

합성전

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; MIDAS/Civil Text(MCT) File.
; Date : 2026/3/19
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*VERSION
  9.7.0
*UNIT      ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
  KN      , M, J, 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
*STRUCTYPE   ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT,
GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB, bROTRIGID
  0, 1, 1, NO, NO, 9.806, 0, NO, NO, NO
*REBAR=MATL=CODE      ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01=Civil(RC), SD400, KS01=Civil(RC), SD400
*NODE      ; Nodes
; iNO, X, Y, Z
  101, 0, 4.6, 0
  102, 0.4, 4.6, 0
  103, 0.6, 4.6, 0
  104, 4, 4.6, 0
  105, 5.25, 4.6, 0
  106, 10.1, 4.6, 0
  107, 14.95, 4.6, 0
  108, 19.8, 4.6, 0
  109, 24.65, 4.6, 0
  110, 25.9, 4.6, 0
  111, 29.3, 4.6, 0
  112, 29.5, 4.6, 0
  113, 29.9, 4.6, 0
  114, 30, 4.6, 0
  115, 30.4, 4.6, 0
  116, 30.6, 4.6, 0
  117, 34, 4.6, 0
  118, 35.25, 4.6, 0
  119, 40.1, 4.6, 0
  120, 44.95, 4.6, 0
  121, 49.8, 4.6, 0
  122, 54.65, 4.6, 0
  123, 55.9, 4.6, 0
  124, 59.3, 4.6, 0
  125, 59.5, 4.6, 0
  126, 59.9, 4.6, 0
  127, 60, 4.6, 0
  128, 60.4, 4.6, 0
  129, 60.6, 4.6, 0
  130, 64, 4.6, 0
  131, 65.25, 4.6, 0
  132, 70.1, 4.6, 0
  133, 74.95, 4.6, 0
  134, 79.8, 4.6, 0
  135, 84.65, 4.6, 0
  136, 85.9, 4.6, 0
  137, 89.3, 4.6, 0
  138, 89.5, 4.6, 0
  139, 89.9, 4.6, 0
  201, 0, 2.3, 0
  202, 0.4, 2.3, 0
  203, 0.6, 2.3, 0
  204, 4, 2.3, 0
  205, 5.25, 2.3, 0
  206, 10.1, 2.3, 0
  207, 14.95, 2.3, 0
  208, 19.8, 2.3, 0
  209, 24.65, 2.3, 0
  210, 25.9, 2.3, 0
  211, 29.3, 2.3, 0
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212, 29.5, 2.3, 0
213, 29.9, 2.3, 0
214, 30, 2.3, 0
215, 30.4, 2.3, 0
216, 30.6, 2.3, 0
217, 34, 2.3, 0
218, 35.25, 2.3, 0
219, 40.1, 2.3, 0
220, 44.95, 2.3, 0
221, 49.8, 2.3, 0
222, 54.65, 2.3, 0
223, 55.9, 2.3, 0
224, 59.3, 2.3, 0
225, 59.5, 2.3, 0
226, 59.9, 2.3, 0
227, 60, 2.3, 0
228, 60.4, 2.3, 0
229, 60.6, 2.3, 0
230, 64, 2.3, 0
231, 65.25, 2.3, 0
232, 70.1, 2.3, 0
233, 74.95, 2.3, 0
234, 79.8, 2.3, 0
235, 84.65, 2.3, 0
236, 85.9, 2.3, 0
237, 89.3, 2.3, 0
238, 89.5, 2.3, 0
239, 89.9, 2.3, 0
301, 0, 0, 0
302, 0.4, 0, 0
303, 0.6, 0, 0
304, 4, 0, 0
305, 5.25, 0, 0
306, 10.1, 0, 0
307, 14.95, 0, 0
308, 19.8, 0, 0
309, 24.65, 0, 0
310, 25.9, 0, 0
311, 29.3, 0, 0
312, 29.5, 0, 0
313, 29.9, 0, 0
314, 30, 0, 0
315, 30.4, 0, 0
316, 30.6, 0, 0
317, 34, 0, 0
318, 35.25, 0, 0
319, 40.1, 0, 0
320, 44.95, 0, 0
321, 49.8, 0, 0
322, 54.65, 0, 0
323, 55.9, 0, 0
324, 59.3, 0, 0
325, 59.5, 0, 0
326, 59.9, 0, 0
327, 60, 0, 0
328, 60.4, 0, 0
329, 60.6, 0, 0
330, 64, 0, 0
331, 65.25, 0, 0
332, 70.1, 0, 0
333, 74.95, 0, 0
334, 79.8, 0, 0
335, 84.65, 0, 0
336, 85.9, 0, 0
337, 89.3, 0, 0
338, 89.5, 0, 0
339, 89.9, 0, 0
401, 0, -2.3, 0
402, 0.4, -2.3, 0
403, 0.6, -2.3, 0
404, 4, -2.3, 0
405, 5.25, -2.3, 0
406, 10.1, -2.3, 0
407, 14.95, -2.3, 0
408, 19.8, -2.3, 0
409, 24.65, -2.3, 0
410, 25.9, -2.3, 0
411, 29.3, -2.3, 0
412, 29.5, -2.3, 0
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413, 29.9, -2.3, 0	105, BEAM , 1, 2, 105, 106, 0, 0
414, 30, -2.3, 0	106, BEAM , 1, 2, 106, 107, 0, 0
415, 30.4, -2.3, 0	107, BEAM , 1, 2, 107, 108, 0, 0
416, 30.6, -2.3, 0	108, BEAM , 1, 2, 108, 109, 0, 0
417, 34, -2.3, 0	109, BEAM , 1, 2, 109, 110, 0, 0
418, 35.25, -2.3, 0	110, BEAM , 1, 4, 110, 111, 0, 0
419, 40.1, -2.3, 0	111, BEAM , 1, 1, 111, 112, 0, 0
420, 44.95, -2.3, 0	112, BEAM , 1, 1, 112, 113, 0, 0
421, 49.8, -2.3, 0	113, BEAM , 1, 1, 114, 115, 0, 0
422, 54.65, -2.3, 0	114, BEAM , 1, 1, 115, 116, 0, 0
423, 55.9, -2.3, 0	115, BEAM , 1, 3, 116, 117, 0, 0
424, 59.3, -2.3, 0	116, BEAM , 1, 2, 117, 118, 0, 0
425, 59.5, -2.3, 0	117, BEAM , 1, 2, 118, 119, 0, 0
426, 59.9, -2.3, 0	118, BEAM , 1, 2, 119, 120, 0, 0
427, 60, -2.3, 0	119, BEAM , 1, 2, 120, 121, 0, 0
428, 60.4, -2.3, 0	120, BEAM , 1, 2, 121, 122, 0, 0
429, 60.6, -2.3, 0	121, BEAM , 1, 2, 122, 123, 0, 0
430, 64, -2.3, 0	122, BEAM , 1, 4, 123, 124, 0, 0
431, 65.25, -2.3, 0	123, BEAM , 1, 1, 124, 125, 0, 0
432, 70.1, -2.3, 0	124, BEAM , 1, 1, 125, 126, 0, 0
433, 74.95, -2.3, 0	125, BEAM , 1, 1, 127, 128, 0, 0
434, 79.8, -2.3, 0	126, BEAM , 1, 1, 128, 129, 0, 0
435, 84.65, -2.3, 0	127, BEAM , 1, 3, 129, 130, 0, 0
436, 85.9, -2.3, 0	128, BEAM , 1, 2, 130, 131, 0, 0
437, 89.3, -2.3, 0	129, BEAM , 1, 2, 131, 132, 0, 0
438, 89.5, -2.3, 0	130, BEAM , 1, 2, 132, 133, 0, 0
439, 89.9, -2.3, 0	131, BEAM , 1, 2, 133, 134, 0, 0
501, 0, -4.6, 0	132, BEAM , 1, 2, 134, 135, 0, 0
502, 0.4, -4.6, 0	133, BEAM , 1, 2, 135, 136, 0, 0
503, 0.6, -4.6, 0	134, BEAM , 1, 4, 136, 137, 0, 0
504, 4, -4.6, 0	135, BEAM , 1, 1, 137, 138, 0, 0
505, 5.25, -4.6, 0	136, BEAM , 1, 1, 138, 139, 0, 0
506, 10.1, -4.6, 0	201, BEAM , 1, 1, 201, 202, 0, 0
507, 14.95, -4.6, 0	202, BEAM , 1, 1, 202, 203, 0, 0
508, 19.8, -4.6, 0	203, BEAM , 1, 3, 203, 204, 0, 0
509, 24.65, -4.6, 0	204, BEAM , 1, 2, 204, 205, 0, 0
510, 25.9, -4.6, 0	205, BEAM , 1, 2, 205, 206, 0, 0
511, 29.3, -4.6, 0	206, BEAM , 1, 2, 206, 207, 0, 0
512, 29.5, -4.6, 0	207, BEAM , 1, 2, 207, 208, 0, 0
513, 29.9, -4.6, 0	208, BEAM , 1, 2, 208, 209, 0, 0
514, 30, -4.6, 0	209, BEAM , 1, 2, 209, 210, 0, 0
515, 30.4, -4.6, 0	210, BEAM , 1, 4, 210, 211, 0, 0
516, 30.6, -4.6, 0	211, BEAM , 1, 1, 211, 212, 0, 0
517, 34, -4.6, 0	212, BEAM , 1, 1, 212, 213, 0, 0
518, 35.25, -4.6, 0	213, BEAM , 1, 1, 214, 215, 0, 0
519, 40.1, -4.6, 0	214, BEAM , 1, 1, 215, 216, 0, 0
520, 44.95, -4.6, 0	215, BEAM , 1, 3, 216, 217, 0, 0
521, 49.8, -4.6, 0	216, BEAM , 1, 2, 217, 218, 0, 0
522, 54.65, -4.6, 0	217, BEAM , 1, 2, 218, 219, 0, 0
523, 55.9, -4.6, 0	218, BEAM , 1, 2, 219, 220, 0, 0
524, 59.3, -4.6, 0	219, BEAM , 1, 2, 220, 221, 0, 0
525, 59.5, -4.6, 0	220, BEAM , 1, 2, 221, 222, 0, 0
526, 59.9, -4.6, 0	221, BEAM , 1, 2, 222, 223, 0, 0
527, 60, -4.6, 0	222, BEAM , 1, 4, 223, 224, 0, 0
528, 60.4, -4.6, 0	223, BEAM , 1, 1, 224, 225, 0, 0
529, 60.6, -4.6, 0	224, BEAM , 1, 1, 225, 226, 0, 0
530, 64, -4.6, 0	225, BEAM , 1, 1, 227, 228, 0, 0
531, 65.25, -4.6, 0	226, BEAM , 1, 1, 228, 229, 0, 0
532, 70.1, -4.6, 0	227, BEAM , 1, 3, 229, 230, 0, 0
533, 74.95, -4.6, 0	228, BEAM , 1, 2, 230, 231, 0, 0
534, 79.8, -4.6, 0	229, BEAM , 1, 2, 231, 232, 0, 0
535, 84.65, -4.6, 0	230, BEAM , 1, 2, 232, 233, 0, 0
536, 85.9, -4.6, 0	231, BEAM , 1, 2, 233, 234, 0, 0
537, 89.3, -4.6, 0	232, BEAM , 1, 2, 234, 235, 0, 0
538, 89.5, -4.6, 0	233, BEAM , 1, 2, 235, 236, 0, 0
539, 89.9, -4.6, 0	234, BEAM , 1, 4, 236, 237, 0, 0
*ELEMENT ; Elements	235, BEAM , 1, 1, 237, 238, 0, 0
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB,	236, BEAM , 1, 1, 238, 239, 0, 0
; Frame Element	301, BEAM , 1, 1, 301, 302, 0, 0
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL,	302, BEAM , 1, 1, 302, 303, 0, 0
EXVAL2, bLMT ; Comp/Tens Truss	303, BEAM , 1, 3, 303, 304, 0, 0
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID ,	304, BEAM , 1, 2, 304, 305, 0, 0
LCAXIS ; Planar Element	305, BEAM , 1, 2, 305, 306, 0, 0
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7,	306, BEAM , 1, 2, 306, 307, 0, 0
iN8 ; Solid Element	307, BEAM , 1, 2, 307, 308, 0, 0
101, BEAM , 1, 1, 101, 102, 0, 0	308, BEAM , 1, 2, 308, 309, 0, 0
102, BEAM , 1, 1, 102, 103, 0, 0	309, BEAM , 1, 2, 309, 310, 0, 0
103, BEAM , 1, 3, 103, 104, 0, 0	310, BEAM , 1, 4, 310, 311, 0, 0
104, BEAM , 1, 2, 104, 105, 0, 0	311, BEAM , 1, 1, 311, 312, 0, 0


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; 6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2
; 7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERL_OUT2,
PERL_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
; [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, bHUMBLY,
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

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; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, bHUMBLY,
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, bHUMBLY,
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, bHUMBLY,
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
; 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, [Dumbbell]
; [Dumbbell] : bInfusion
; [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

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; [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, PSC , END BM(BC) , CC, 0, 0, 0, 0, 0, 0,
YES, NO, PSCI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 1.812, YES, 0.23, NO, 0, NO, 0, NO, 0, NO,
0, 0, YES, NO
NO, , NO, , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
2, PSC , CEN BM(BC) , CC, 0, 0, 0, 0, 0, 0,
YES, NO, PSCI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 1.72, YES, 0.45, NO, 0, NO, 0, NO, 0, NO,
0, 0, YES, NO
NO, , NO, , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
3, TAPERED , END=CEN BM(BC) , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, NO, NO, PSCI, 2, 2, PSC
, , NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 0, YES, 0, YES, 0, YES, 0, NO, 0, NO, 0,
NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, 0, 0, YES, NO
NO, , NO, , , , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
4, TAPERED , CEN-END BM(BC) , CC, 0, 0, 0, 0, 0,
0, 0, 0, YES, NO, NO, PSCI, 2, 2, PSC
, , NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 0, YES, 0, YES, 0, YES, 0, NO, 0, NO, 0,
NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, 0, 0, YES, NO
NO, , NO, , , , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G,
HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, 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
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, bHUMBLY,
SHAPE, iyVAR, izVAR, STYPE ; 1st line -
TAPERED(Steel Comp. Psc Comp.)
; 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], W1, 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, EgDsb, 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

```



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0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
*STLDCASE      ; Static Load Cases
; LCNAME, LCTYPE, DESC
PSC뎡 자중, D ,
바닥판 자중, D ,
*SPRING      ; Point Spring Supports
; NODE_LIST, Type, F_SDx, F_SDy, F_SDz, F_SRx, F_SRy,
F_SRz, SDx, SDy, SDz, SRx, SRy, SRz ...
; DAMPING, Cx, Cy, Cz, CRx, CRy, CRz,
GROUP, [DATA1] ; LINEAR
; NODE_LIST, Type, Direction, Vx, Vy, Vz, Stiffness, GROUP,
[DATA1] ; COMP, TENS
; NODE_LIST, Type, Direction, Vx, Vy, Vz, FUNCTION,
GROUP, [DATA1] ; MULTI
; [DATA1] EFFAREA, Kx, Ky, Kz
102to502by100 , LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, , 0, 0, 0, 0, 0
112to512by100 , LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, , 0, 0, 0, 0, 0
115to515by100 , LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, , 0, 0, 0, 0, 0
125to525by100 , LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, , 0, 0, 0, 0, 0
128to528by100 , LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, , 0, 0, 0, 0, 0
138to538by100, LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, , 0, 0, 0, 0, 0
*USE-STLD, PSC뎡 자중
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ,
GROUP,STRTPENAME
105, 0, 0, -8.554, 0, 0, 0, ,
106, 0, 0, -8.554, 0, 0, 0, ,
107, 0, 0, -8.554, 0, 0, 0, ,
108, 0, 0, -8.554, 0, 0, 0, ,
109, 0, 0, -8.554, 0, 0, 0, ,
118, 0, 0, -8.554, 0, 0, 0, ,
119, 0, 0, -8.554, 0, 0, 0, ,
120, 0, 0, -8.554, 0, 0, 0, ,
121, 0, 0, -8.554, 0, 0, 0, ,
122, 0, 0, -8.554, 0, 0, 0, ,
131, 0, 0, -8.554, 0, 0, 0, ,
132, 0, 0, -8.554, 0, 0, 0, ,
133, 0, 0, -8.554, 0, 0, 0, ,
134, 0, 0, -8.554, 0, 0, 0, ,
135, 0, 0, -8.554, 0, 0, 0, ,
205, 0, 0, -8.554, 0, 0, 0, ,
206, 0, 0, -8.554, 0, 0, 0, ,
207, 0, 0, -8.554, 0, 0, 0, ,
208, 0, 0, -8.554, 0, 0, 0, ,
209, 0, 0, -8.554, 0, 0, 0, ,
218, 0, 0, -8.554, 0, 0, 0, ,
219, 0, 0, -8.554, 0, 0, 0, ,
220, 0, 0, -8.554, 0, 0, 0, ,
221, 0, 0, -8.554, 0, 0, 0, ,
222, 0, 0, -8.554, 0, 0, 0, ,
231, 0, 0, -8.554, 0, 0, 0, ,
232, 0, 0, -8.554, 0, 0, 0, ,
233, 0, 0, -8.554, 0, 0, 0, ,
234, 0, 0, -8.554, 0, 0, 0, ,
235, 0, 0, -8.554, 0, 0, 0, ,
305, 0, 0, -8.554, 0, 0, 0, ,
306, 0, 0, -8.554, 0, 0, 0, ,
307, 0, 0, -8.554, 0, 0, 0, ,
308, 0, 0, -8.554, 0, 0, 0, ,
309, 0, 0, -8.554, 0, 0, 0, ,
318, 0, 0, -8.554, 0, 0, 0, ,
319, 0, 0, -8.554, 0, 0, 0, ,
320, 0, 0, -8.554, 0, 0, 0, ,
321, 0, 0, -8.554, 0, 0, 0, ,
322, 0, 0, -8.554, 0, 0, 0, ,
331, 0, 0, -8.554, 0, 0, 0, ,

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332, 0, 0, -8.554, 0, 0, 0, ,
333, 0, 0, -8.554, 0, 0, 0, ,
334, 0, 0, -8.554, 0, 0, 0, ,
335, 0, 0, -8.554, 0, 0, 0, ,
405, 0, 0, -8.554, 0, 0, 0, ,
406, 0, 0, -8.554, 0, 0, 0, ,
407, 0, 0, -8.554, 0, 0, 0, ,
408, 0, 0, -8.554, 0, 0, 0, ,
409, 0, 0, -8.554, 0, 0, 0, ,
418, 0, 0, -8.554, 0, 0, 0, ,
419, 0, 0, -8.554, 0, 0, 0, ,
420, 0, 0, -8.554, 0, 0, 0, ,
421, 0, 0, -8.554, 0, 0, 0, ,
422, 0, 0, -8.554, 0, 0, 0, ,
431, 0, 0, -8.554, 0, 0, 0, ,
432, 0, 0, -8.554, 0, 0, 0, ,
433, 0, 0, -8.554, 0, 0, 0, ,
434, 0, 0, -8.554, 0, 0, 0, ,
435, 0, 0, -8.554, 0, 0, 0, ,
505, 0, 0, -8.554, 0, 0, 0, ,
506, 0, 0, -8.554, 0, 0, 0, ,
507, 0, 0, -8.554, 0, 0, 0, ,
508, 0, 0, -8.554, 0, 0, 0, ,
509, 0, 0, -8.554, 0, 0, 0, ,
518, 0, 0, -8.554, 0, 0, 0, ,
519, 0, 0, -8.554, 0, 0, 0, ,
520, 0, 0, -8.554, 0, 0, 0, ,
521, 0, 0, -8.554, 0, 0, 0, ,
522, 0, 0, -8.554, 0, 0, 0, ,
531, 0, 0, -8.554, 0, 0, 0, ,
532, 0, 0, -8.554, 0, 0, 0, ,
533, 0, 0, -8.554, 0, 0, 0, ,
534, 0, 0, -8.554, 0, 0, 0, ,
535, 0, 0, -8.554, 0, 0, 0, ,
*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, LY, , , , 0,
-33.184, 1, -33.184, 0, 0, 0, 0, , NO, 0, 0, NO,
102, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-33.184, 1, -33.184, 0, 0, 0, 0, , NO, 0, 0, NO,
103, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-33.184, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
104, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
105, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
106, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
107, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
108, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
109, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
110, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -33.184, 0, 0, 0, 0, , NO, 0, 0, NO,
111, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-33.184, 1, -33.184, 0, 0, 0, 0, , NO, 0, 0, NO,
112, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-33.184, 1, -33.184, 0, 0, 0, 0, , NO, 0, 0, NO,
113, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-33.184, 1, -33.184, 0, 0, 0, 0, , NO, 0, 0, NO,
114, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-33.184, 1, -33.184, 0, 0, 0, 0, , NO, 0, 0, NO,
115, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-33.184, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
116, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
117, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
118, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,

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-16.785, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
533, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -16.785, 0, 0, 0, 0, , NO, 0, 0, NO,
534, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-16.785, 1, -33.184, 0, 0, 0, 0, , NO, 0, 0, NO,
535, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-33.184, 1, -33.184, 0, 0, 0, 0, , NO, 0, 0, NO,
536, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-33.184, 1, -33.184, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [PSC뵁 자중]
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*USE-STLD, 바닥판 자중

*CONLOAD ; Nodal Loads

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; NODE_LIST, FX, FY, FZ, MX, MY, MZ,
GROUP,STRYPENAME

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```

102, 0, 0, -14.477, 0, 0, 0, ,
105, 0, 0, -10.858, 0, 0, 0, ,
106, 0, 0, -10.858, 0, 0, 0, ,
107, 0, 0, -10.858, 0, 0, 0, ,
108, 0, 0, -10.858, 0, 0, 0, ,
109, 0, 0, -10.858, 0, 0, 0, ,
112, 0, 0, -23.525, 0, 0, 0, ,
115, 0, 0, -23.525, 0, 0, 0, ,
118, 0, 0, -10.858, 0, 0, 0, ,
119, 0, 0, -10.858, 0, 0, 0, ,
120, 0, 0, -10.858, 0, 0, 0, ,
121, 0, 0, -10.858, 0, 0, 0, ,
122, 0, 0, -10.858, 0, 0, 0, ,
125, 0, 0, -23.525, 0, 0, 0, ,
128, 0, 0, -23.525, 0, 0, 0, ,
131, 0, 0, -10.858, 0, 0, 0, ,
132, 0, 0, -21.716, 0, 0, 0, ,
133, 0, 0, -10.858, 0, 0, 0, ,
134, 0, 0, -10.858, 0, 0, 0, ,
135, 0, 0, -10.858, 0, 0, 0, ,
138, 0, 0, -14.477, 0, 0, 0, ,
202, 0, 0, -28.954, 0, 0, 0, ,
205, 0, 0, -21.716, 0, 0, 0, ,
206, 0, 0, -21.716, 0, 0, 0, ,
207, 0, 0, -21.716, 0, 0, 0, ,
208, 0, 0, -21.716, 0, 0, 0, ,
209, 0, 0, -21.716, 0, 0, 0, ,
212, 0, 0, -47.05, 0, 0, 0, ,
215, 0, 0, -47.05, 0, 0, 0, ,
218, 0, 0, -21.716, 0, 0, 0, ,
219, 0, 0, -21.716, 0, 0, 0, ,
220, 0, 0, -21.716, 0, 0, 0, ,
221, 0, 0, -21.716, 0, 0, 0, ,
222, 0, 0, -21.716, 0, 0, 0, ,
225, 0, 0, -47.05, 0, 0, 0, ,
228, 0, 0, -47.05, 0, 0, 0, ,
231, 0, 0, -21.716, 0, 0, 0, ,
232, 0, 0, -21.716, 0, 0, 0, ,
233, 0, 0, -21.716, 0, 0, 0, ,
234, 0, 0, -21.716, 0, 0, 0, ,
235, 0, 0, -21.716, 0, 0, 0, ,
238, 0, 0, -28.954, 0, 0, 0, ,
302, 0, 0, -28.954, 0, 0, 0, ,
305, 0, 0, -21.716, 0, 0, 0, ,
306, 0, 0, -21.716, 0, 0, 0, ,
307, 0, 0, -21.716, 0, 0, 0, ,
308, 0, 0, -21.716, 0, 0, 0, ,
309, 0, 0, -21.716, 0, 0, 0, ,
312, 0, 0, -47.05, 0, 0, 0, ,
315, 0, 0, -47.05, 0, 0, 0, ,
318, 0, 0, -21.716, 0, 0, 0, ,
319, 0, 0, -21.716, 0, 0, 0, ,
320, 0, 0, -21.716, 0, 0, 0, ,
321, 0, 0, -21.716, 0, 0, 0, ,
322, 0, 0, -21.716, 0, 0, 0, ,
325, 0, 0, -47.05, 0, 0, 0, ,
328, 0, 0, -47.05, 0, 0, 0, ,
331, 0, 0, -21.716, 0, 0, 0, ,
332, 0, 0, -21.716, 0, 0, 0, ,
333, 0, 0, -21.716, 0, 0, 0, ,
334, 0, 0, -21.716, 0, 0, 0, ,
335, 0, 0, -21.716, 0, 0, 0, ,
338, 0, 0, -28.954, 0, 0, 0, ,
402, 0, 0, -28.954, 0, 0, 0, ,

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405, 0, 0, -21.716, 0, 0, 0, ,
406, 0, 0, -21.716, 0, 0, 0, ,
407, 0, 0, -21.716, 0, 0, 0, ,
408, 0, 0, -21.716, 0, 0, 0, ,
409, 0, 0, -21.716, 0, 0, 0, ,
412, 0, 0, -47.05, 0, 0, 0, ,
415, 0, 0, -47.05, 0, 0, 0, ,
418, 0, 0, -21.716, 0, 0, 0, ,
419, 0, 0, -21.716, 0, 0, 0, ,
420, 0, 0, -21.716, 0, 0, 0, ,
421, 0, 0, -21.716, 0, 0, 0, ,
422, 0, 0, -21.716, 0, 0, 0, ,
425, 0, 0, -47.05, 0, 0, 0, ,
428, 0, 0, -47.05, 0, 0, 0, ,
431, 0, 0, -21.716, 0, 0, 0, ,
432, 0, 0, -21.716, 0, 0, 0, ,
433, 0, 0, -21.716, 0, 0, 0, ,
434, 0, 0, -21.716, 0, 0, 0, ,
435, 0, 0, -21.716, 0, 0, 0, ,
438, 0, 0, -28.954, 0, 0, 0, ,
502, 0, 0, -14.477, 0, 0, 0, ,
505, 0, 0, -10.858, 0, 0, 0, ,
506, 0, 0, -10.858, 0, 0, 0, ,
507, 0, 0, -10.858, 0, 0, 0, ,
508, 0, 0, -10.858, 0, 0, 0, ,
509, 0, 0, -10.858, 0, 0, 0, ,
512, 0, 0, -23.525, 0, 0, 0, ,
515, 0, 0, -23.525, 0, 0, 0, ,
518, 0, 0, -10.858, 0, 0, 0, ,
519, 0, 0, -10.858, 0, 0, 0, ,
520, 0, 0, -10.858, 0, 0, 0, ,
521, 0, 0, -10.858, 0, 0, 0, ,
522, 0, 0, -10.858, 0, 0, 0, ,
525, 0, 0, -23.525, 0, 0, 0, ,
528, 0, 0, -23.525, 0, 0, 0, ,
531, 0, 0, -10.858, 0, 0, 0, ,
532, 0, 0, -10.858, 0, 0, 0, ,
533, 0, 0, -10.858, 0, 0, 0, ,
534, 0, 0, -10.858, 0, 0, 0, ,
535, 0, 0, -10.858, 0, 0, 0, ,
538, 0, 0, -14.477, 0, 0, 0, ,

```

*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, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
102, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
103, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
104, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
105, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
106, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
107, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
108, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
109, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
110, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
111, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
112, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
113, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,
114, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0, , NO, 0, 0, NO,

```

[illegible]


```

529, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0 , NO, 0, 0, NO,
530, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0 , NO, 0, 0, NO,
531, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0 , NO, 0, 0, NO,
532, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0 , NO, 0, 0, NO,
533, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0 , NO, 0, 0, NO,
534, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0 , NO, 0, 0, NO,
535, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0 , NO, 0, 0, NO,
536, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-12.688, 1, -12.688, 0, 0, 0, 0 , NO, 0, 0, NO,
; End of data for load case [바닥판 자중]
-----
*MVLDCODE      ; Moving Load Code
; CODE=CODE
CODE=NONE
*LOADCOMB      ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC,
iSERV=TYPE, nLCOMTYPE, nSEISTYPE, LcomFactor ; line 1
; ANAL1, LCNAME1, FACT1, ...
; from line 2
NAME=합성전, GEN, ACTIVE, 0, 0, , 0, 0, 0, 1
ST, PSC빔 자중, 1, ST, 바닥판 자중, 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, 바닥판 자중, 0, 192, 128, 255, 128, 0, 160, 192, 255
CB, 합성전, 255, 160, 255, 148, 87, 255, 0, 192, 128
ST, PSC빔 자중, 160, 192, 255, 0, 192, 192, 192, 72, 0
*ANAL-CTRL
; bARDC, bANRC, iITER, TOL, bCSECF, bTRS, bCRBAR,
bTPF, bCSO, bSCS, bCLATS
YES, YES, 20, 0.001, YES, YES, YES, NO, NO, NO, NO,
NO
*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,
bFCI, FCI
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1,
FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2,
AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5,
AL6, AL7, AL8, AL9, AL10
; MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
1, CONC , C40 , 1, KS01-Civil(RC),
,C40 , NO, 1, NO, 0, , , 0, 0, 28000, NO, 0, 0,
, 0, NO, 1, , , , 0, 0, 0
*SECTION MANAGER-GROUP & PART ; Section Manager
- Group & Part
; SECT = NO, bSAMEJ
; line 1
; GRPDISIZE, GRPDJSIZE, PARTISIZE, PARTJSIZE
; line 2
; ..... ;
; LOOP UTIL (GRPDISIZE, GRPDJSIZE)
;
; GROUPID, GROUPNAME, GROUPTYPE
; line n
; ..... ;
; LOOP UTIL (PARTISIZE, PARTJSIZE)

```

```

;
; PARTTYPE, GROUPID, PARTNAME, PARTSHAPE,
bSTIFFENER ; line n
; LINESIZE, LINEINDEX[i].....
; line n
; ..... ;
SECT=3, YES
0, 0, 0, 0
SECT=4, YES
0, 0, 0, 0
*SECTION MANAGER-STIFFENER ; Section Manager -
Stiffener
; SECT = NO, bSAMEJ
; line 1
STFNISIZE, STFNJSIZE
; line 2
; ..... ;
; LOOP UTIL (STFNISIZE, STFNJSIZE)
;
; TYPE, Z, STANDREF, POSLINE, STANDREFL, NUM,
CTC ; line n
; STIFFTYPE, dSIZE(0 ~ 20)
; line n
; LINESIZE, LINEINDEX[i].....
; line n
; ..... ;
SECT=3, YES
0, 0
SECT=4, YES
0, 0
*ENDDATA

```

```
;-
합성후
;-
; MIDAS/Civil Text(MCT) File.
; Date : 2026/3/19
;-
*VERSION
9.7.0
*UNIT ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
KN , M, J, C
*STRUCTYPE ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT,
GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB, bROTRIGID
0, 1, 1, NO, NO, 9.806, 0, NO, NO, NO
*REBAR=MATL=CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01=Civil(RC), SD400, KS01=Civil(RC), SD400
*NODE ; Nodes
; iNO, X, Y, Z
101, 0, 4.6, 0
102, 0.4, 4.6, 0
103, 0.6, 4.6, 0
104, 4, 4.6, 0
105, 5.25, 4.6, 0
106, 10.1, 4.6, 0
107, 14.95, 4.6, 0
108, 19.8, 4.6, 0
109, 24.65, 4.6, 0
110, 25.9, 4.6, 0
111, 29.3, 4.6, 0
112, 29.5, 4.6, 0
113, 29.9, 4.6, 0
114, 30, 4.6, 0
115, 30.4, 4.6, 0
116, 30.6, 4.6, 0
117, 34, 4.6, 0
118, 35.25, 4.6, 0
119, 40.1, 4.6, 0
120, 44.95, 4.6, 0
121, 49.8, 4.6, 0
122, 54.65, 4.6, 0
123, 55.9, 4.6, 0
124, 59.3, 4.6, 0
125, 59.5, 4.6, 0
126, 59.9, 4.6, 0
127, 60, 4.6, 0
128, 60.4, 4.6, 0
129, 60.6, 4.6, 0
130, 64, 4.6, 0
131, 65.25, 4.6, 0
132, 70.1, 4.6, 0
133, 74.95, 4.6, 0
134, 79.8, 4.6, 0
135, 84.65, 4.6, 0
136, 85.9, 4.6, 0
137, 89.3, 4.6, 0
138, 89.5, 4.6, 0
139, 89.9, 4.6, 0
201, 0, 2.3, 0
202, 0.4, 2.3, 0
203, 0.6, 2.3, 0
204, 4, 2.3, 0
205, 5.25, 2.3, 0
206, 10.1, 2.3, 0
207, 14.95, 2.3, 0
208, 19.8, 2.3, 0
209, 24.65, 2.3, 0
210, 25.9, 2.3, 0
211, 29.3, 2.3, 0
212, 29.5, 2.3, 0
213, 29.9, 2.3, 0
214, 30, 2.3, 0
215, 30.4, 2.3, 0
216, 30.6, 2.3, 0
217, 34, 2.3, 0
218, 35.25, 2.3, 0
```

```
219, 40.1, 2.3, 0
220, 44.95, 2.3, 0
221, 49.8, 2.3, 0
222, 54.65, 2.3, 0
223, 55.9, 2.3, 0
224, 59.3, 2.3, 0
225, 59.5, 2.3, 0
226, 59.9, 2.3, 0
227, 60, 2.3, 0
228, 60.4, 2.3, 0
229, 60.6, 2.3, 0
230, 64, 2.3, 0
231, 65.25, 2.3, 0
232, 70.1, 2.3, 0
233, 74.95, 2.3, 0
234, 79.8, 2.3, 0
235, 84.65, 2.3, 0
236, 85.9, 2.3, 0
237, 89.3, 2.3, 0
238, 89.5, 2.3, 0
239, 89.9, 2.3, 0
301, 0, 0, 0
302, 0.4, 0, 0
303, 0.6, 0, 0
304, 4, 0, 0
305, 5.25, 0, 0
306, 10.1, 0, 0
307, 14.95, 0, 0
308, 19.8, 0, 0
309, 24.65, 0, 0
310, 25.9, 0, 0
311, 29.3, 0, 0
312, 29.5, 0, 0
313, 29.9, 0, 0
314, 30, 0, 0
315, 30.4, 0, 0
316, 30.6, 0, 0
317, 34, 0, 0
318, 35.25, 0, 0
319, 40.1, 0, 0
320, 44.95, 0, 0
321, 49.8, 0, 0
322, 54.65, 0, 0
323, 55.9, 0, 0
324, 59.3, 0, 0
325, 59.5, 0, 0
326, 59.9, 0, 0
327, 60, 0, 0
328, 60.4, 0, 0
329, 60.6, 0, 0
330, 64, 0, 0
331, 65.25, 0, 0
332, 70.1, 0, 0
333, 74.95, 0, 0
334, 79.8, 0, 0
335, 84.65, 0, 0
336, 85.9, 0, 0
337, 89.3, 0, 0
338, 89.5, 0, 0
339, 89.9, 0, 0
401, 0, -2.3, 0
402, 0.4, -2.3, 0
403, 0.6, -2.3, 0
404, 4, -2.3, 0
405, 5.25, -2.3, 0
406, 10.1, -2.3, 0
407, 14.95, -2.3, 0
408, 19.8, -2.3, 0
409, 24.65, -2.3, 0
410, 25.9, -2.3, 0
411, 29.3, -2.3, 0
412, 29.5, -2.3, 0
413, 29.9, -2.3, 0
414, 30, -2.3, 0
415, 30.4, -2.3, 0
416, 30.6, -2.3, 0
417, 34, -2.3, 0
418, 35.25, -2.3, 0
419, 40.1, -2.3, 0
```

```

420, 44.95, -2.3, 0
421, 49.8, -2.3, 0
422, 54.65, -2.3, 0
423, 55.9, -2.3, 0
424, 59.3, -2.3, 0
425, 59.5, -2.3, 0
426, 59.9, -2.3, 0
427, 60, -2.3, 0
428, 60.4, -2.3, 0
429, 60.6, -2.3, 0
430, 64, -2.3, 0
431, 65.25, -2.3, 0
432, 70.1, -2.3, 0
433, 74.95, -2.3, 0
434, 79.8, -2.3, 0
435, 84.65, -2.3, 0
436, 85.9, -2.3, 0
437, 89.3, -2.3, 0
438, 89.5, -2.3, 0
439, 89.9, -2.3, 0
501, 0, -4.6, 0
502, 0.4, -4.6, 0
503, 0.6, -4.6, 0
504, 4, -4.6, 0
505, 5.25, -4.6, 0
506, 10.1, -4.6, 0
507, 14.95, -4.6, 0
508, 19.8, -4.6, 0
509, 24.65, -4.6, 0
510, 25.9, -4.6, 0
511, 29.3, -4.6, 0
512, 29.5, -4.6, 0
513, 29.9, -4.6, 0
514, 30, -4.6, 0
515, 30.4, -4.6, 0
516, 30.6, -4.6, 0
517, 34, -4.6, 0
518, 35.25, -4.6, 0
519, 40.1, -4.6, 0
520, 44.95, -4.6, 0
521, 49.8, -4.6, 0
522, 54.65, -4.6, 0
523, 55.9, -4.6, 0
524, 59.3, -4.6, 0
525, 59.5, -4.6, 0
526, 59.9, -4.6, 0
527, 60, -4.6, 0
528, 60.4, -4.6, 0
529, 60.6, -4.6, 0
530, 64, -4.6, 0
531, 65.25, -4.6, 0
532, 70.1, -4.6, 0
533, 74.95, -4.6, 0
534, 79.8, -4.6, 0
535, 84.65, -4.6, 0
536, 85.9, -4.6, 0
537, 89.3, -4.6, 0
538, 89.5, -4.6, 0
539, 89.9, -4.6, 0
1001, 0.4, 4.6, -2.25
1002, 0.4, 2.3, -2.25
1003, 0.4, 0, -2.25
1004, 0.4, -2.3, -2.25
1005, 0.4, -4.6, -2.25
1006, 29.5, 4.6, -2.25
1007, 29.5, 2.3, -2.25
1008, 29.5, 0, -2.25
1009, 29.5, -2.3, -2.25
1010, 29.5, -4.6, -2.25
2001, 0.4, 4.6, -2.5
2002, 0.4, 2.3, -2.5
2003, 0.4, 0, -2.5
2004, 0.4, -2.3, -2.5
2005, 0.4, -4.6, -2.5
2006, 29.5, 4.6, -2.5
2007, 29.5, 2.3, -2.5
2008, 29.5, 0, -2.5
2009, 29.5, -2.3, -2.5
2010, 29.5, -4.6, -2.5
2076, 30.4, 4.6, -2.25
2077, 30.4, 2.3, -2.25
2078, 30.4, 0, -2.25
2079, 30.4, -2.3, -2.25
2080, 30.4, -4.6, -2.25
2081, 59.5, 4.6, -2.25
2082, 59.5, 2.3, -2.25
2083, 59.5, 0, -2.25
2084, 59.5, -2.3, -2.25
2085, 59.5, -4.6, -2.25
2086, 30.4, 4.6, -2.5
2087, 30.4, 2.3, -2.5
2088, 30.4, 0, -2.5
2089, 30.4, -2.3, -2.5
2090, 30.4, -4.6, -2.5
2091, 59.5, 4.6, -2.5
2092, 59.5, 2.3, -2.5
2093, 59.5, 0, -2.5
2094, 59.5, -2.3, -2.5
2095, 59.5, -4.6, -2.5
2161, 60.4, 4.6, -2.25
2162, 60.4, 2.3, -2.25
2163, 60.4, 0, -2.25
2164, 60.4, -2.3, -2.25
2165, 60.4, -4.6, -2.25
2166, 89.5, 4.6, -2.25
2167, 89.5, 2.3, -2.25
2168, 89.5, 0, -2.25
2169, 89.5, -2.3, -2.25
2170, 89.5, -4.6, -2.25
2171, 60.4, 4.6, -2.5
2172, 60.4, 2.3, -2.5
2173, 60.4, 0, -2.5
2174, 60.4, -2.3, -2.5
2175, 60.4, -4.6, -2.5
2176, 89.5, 4.6, -2.5
2177, 89.5, 2.3, -2.5
2178, 89.5, 0, -2.5
2179, 89.5, -2.3, -2.5
2180, 89.5, -4.6, -2.5
*ELEMENT      ; Elements
; 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
1, BEAM , 2, 5, 202, 102, 0, 0
2, BEAM , 2, 5, 302, 202, 0, 0
3, BEAM , 2, 5, 402, 302, 0, 0
4, BEAM , 2, 5, 502, 402, 0, 0
5, BEAM , 2, 7, 205, 105, 0, 0
6, BEAM , 2, 7, 305, 205, 0, 0
7, BEAM , 2, 7, 405, 305, 0, 0
8, BEAM , 2, 7, 505, 405, 0, 0
9, BEAM , 2, 7, 206, 106, 0, 0
10, BEAM , 2, 7, 306, 206, 0, 0
11, BEAM , 2, 7, 406, 306, 0, 0
12, BEAM , 2, 7, 506, 406, 0, 0
13, BEAM , 2, 7, 207, 107, 0, 0
14, BEAM , 2, 7, 307, 207, 0, 0
15, BEAM , 2, 7, 407, 307, 0, 0
16, BEAM , 2, 7, 507, 407, 0, 0
17, BEAM , 2, 7, 208, 108, 0, 0
18, BEAM , 2, 7, 308, 208, 0, 0
19, BEAM , 2, 7, 408, 308, 0, 0
20, BEAM , 2, 7, 508, 408, 0, 0
21, BEAM , 2, 7, 209, 109, 0, 0
22, BEAM , 2, 7, 309, 209, 0, 0
23, BEAM , 2, 7, 409, 309, 0, 0
24, BEAM , 2, 7, 509, 409, 0, 0
25, BEAM , 2, 6, 212, 112, 0, 0
26, BEAM , 2, 6, 312, 212, 0, 0
27, BEAM , 2, 6, 412, 312, 0, 0
28, BEAM , 2, 6, 512, 412, 0, 0
101, BEAM , 1, 1, 101, 102, 0, 0
102, BEAM , 1, 1, 102, 103, 0, 0

```



```

;      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, PERL_OUT2,
PERL_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, 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, bHUMBLY,
SHAPE          ; 1st line -
COMPOSITE-B
;          Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2
;          ; 2nd line
;          [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS]

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(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, bHUMBLY,
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, bHUMBLY,
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, bHUMBLY,
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
;          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, [Dumbbell]
; [Dumbbell] : bInfusion
; [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),

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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 , END BM(AC)-Outside, CT, 0, 0, 0, 0, 0,
0, YES, NO, YES, CI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
2.05, 1, 2.5, 2.05, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1,
NO, ,
2, COMPOSITE , CEN BM(AC)-Outside, CT, 0, 0, 0, 0, 0,
0, YES, NO, YES, CI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
2.05, 1, 2.5, 2.05, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1,
NO, ,
3, TAPERED , END-CEN BM(AC)-Outside, CT, 0, 0, 0,
0, 0, 0, 0, 0, YES, NO, YES, CPCI, 1, 1, CMP-CI
1, 0, 2.05, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1, NO, ,,
YES, 2.05, 2.05
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
4, TAPERED , CEN-END BM(AC)-Outside, CT, 0, 0, 0,
0, 0, 0, 0, 0, YES, NO, YES, CPCI, 1, 1, CMP-CI
1, 0, 2.05, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1, NO, ,,
YES, 2.05, 2.05
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
5, DBUSER , END CROSS BM , CT, 0, 0, 0, 0, 0,
0, YES, NO, SB , 2, 1.77, 0.4, 0, 0, 0, 0, 0, 0, 0, 0
6, DBUSER , CON CROSS BM , CT, 0, 0, 0, 0, 0,
0, YES, NO, SB , 2, 1.77, 0.65, 0, 0, 0, 0, 0, 0, 0, 0
7, DBUSER , CEN CROSS BM , CT, 0, 0, 0, 0, 0,
0, YES, NO, SB , 2, 1.77, 0.3, 0, 0, 0, 0, 0, 0, 0, 0
8, COMPOSITE , END BM(AC)-Inside , CT, 0, 0, 0, 0, 0,
0, YES, NO, YES, CI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
2.3, 1, 2.5, 2.3, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1,
NO, ,
9, COMPOSITE , CEN BM(AC)-Inside , CT, 0, 0, 0, 0, 0,
0, YES, NO, YES, CI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
2.3, 1, 2.5, 2.3, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1,
NO, ,
10, TAPERED , END-CEN BM(AC)-Inside, CT, 0, 0, 0,
0, 0, 0, 0, 0, YES, NO, YES, CPCI, 1, 1, CMP-CI
1, 0, 2.3, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1, NO, ,,

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YES, 2.3, 2.3
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
11, TAPERED , CEN-END BM(AC)-Inside, CT, 0, 0, 0,
0, 0, 0, 0, 0, YES, NO, YES, CPCI, 1, 1, CMP-CI
1, 0, 2.3, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1, NO, ,,
YES, 2.3, 2.3
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
101, PSC , 지점부 , CC, 0, 0, 0, 0, 0, 0,
YES, NO, PSCI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 1.812, YES, 0.23, NO, 0, NO, 0, NO, 0, NO,
0, 0, YES, NO
NO, , NO, , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
102, PSC , 중앙부 , CC, 0, 0, 0, 0, 0, 0,
YES, NO, PSCI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 1.72, YES, 0.45, NO, 0, NO, 0, NO, 0, NO,
0, 0, YES, NO
NO, , NO, , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 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
101, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
102, 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, 0
2, NO, 0, 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, 0
4, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
8, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
9, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
10, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
11, NO, 0, 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,

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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
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, bHUMBLY.
SHAPE, iyVAR, izVAR, STYPE          ; 1st line -
TAPERED(Steel Comp. Psc Comp.)
;          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], W1, 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
;          [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, tr1, tr2
;          ; 5th line(STYPE=CMP-B)
;          GN, CTC, Bc, Tc, Hh, EgdBsb, 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, bHUMBLY,
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, bHUMBLY,
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, bHUMBLY,
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, bHUMBLY,
SHAPE          ; 1st line -
COMPOSITE-CI/CT
;          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

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;                                     [SIZE-C]                0.33, 0.35, 0, 0, 0.331, 0, 0
;                                     ; 8th line                0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
;                                     [SIZE-D]                0.33, 0.35, 0, 0, 0.331, 0, 0
;                                     ; 9th line                5, DBUSER      , END CROSS BM      , CT, 0, 0, 0, 0, 0,
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7,    0, YES, NO, SB , 2, 1.77, 0.4, 0, 0, 0, 0, 0, 0, 0, 0
D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC]   : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5,    6, DBUSER      , CON CROSS BM      , CT, 0, 0, 0, 0, 0, 0,
D6, D7, D8, D9, D10, iN1, iN2, [Dumbbell]
; [Dumbbell] : bInfusion
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT,      7, DBUSER      , CEN CROSS BM      , CT, 0, 0, 0, 0, 0, 0,
VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI,            0, YES, NO, SB , 2, 1.77, 0.3, 0, 0, 0, 0, 0, 0, 0, 0
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 , END BM(AC)-Outside, CT, 0, 0, 0, 0, 0,
0, YES, NO, YES, CI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
2.05, 1, 2.5, 2.05, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1,
NO, ,
2, COMPOSITE , CEN BM(AC)-Outside, CT, 0, 0, 0, 0, 0,
0, YES, NO, YES, CI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
2.05, 1, 2.5, 2.05, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1,
NO, ,
3, TAPERED , END-CEN BM(AC)-Outside, CT, 0, 0, 0,
0, 0, 0, 0, 0, YES, NO, YES, CPCI, 1, 1, CMP-CI
1, 0, 2.05, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1, NO, ,,
YES, 2.05, 2.05
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
4, TAPERED , CEN-END BM(AC)-Outside, CT, 0, 0, 0,
0, 0, 0, 0, 0, YES, NO, YES, CPCI, 1, 1, CMP-CI
1, 0, 2.05, 0.25, 0, 1.1238, 1, 0.18, 0.18, 1, NO, ,,
YES, 2.05, 2.05
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
101, PSC , 지점부 , CC, 0, 0, 0, 0, 0, 0,
YES, NO, PSCI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 1.812, YES, 0.23, NO, 0, NO, 0, NO, 0, NO,
0, 0, YES, NO
NO, , NO, , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
0.18, 0.008, 0, 0, 1.582, 0, 0, 0, 0.23
0.33, 0.35, 0, 0, 0.331, 0, 0
102, PSC , 중앙부 , CC, 0, 0, 0, 0, 0, 0,
YES, NO, PSCI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 1.72, YES, 0.45, NO, 0, NO, 0, NO, 0, NO,
0, 0, YES, NO
NO, , NO, , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
0.18, 0.1, 0, 0, 1.27, 0.22, 0, 0, 0.23
0.1, 0.35, 0, 0, 0.33, 0, 0
*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC

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    합성후 고정하중, D , "합성후 고정하중(포장, 방호벽, 중분대)"
*CONSTRAINT      ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
    2001to2010 2086to2095 2171to2180, 111111,
*ELASTICLINK      ; Elastic Link
; iNO, iNODE1, iNODE2, LINK, ANGLE, R_SDx, R_SDy,
R_SDz, R_SRx, R_SRY, R_SRz, SDx, SDy, SDz, SRx, SRy, SRz
...
;                                bSHEAR, DRy, DRz, GROUP
                                ; GEN
; iNO, iNODE1, iNODE2, LINK, ANGLE, bSHEAR, DRy, DRz,
GROUP
RIGID,SADDLE
; 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, 2094, 2084, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
    2, 2005, 1005, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
    3, 2004, 1004, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
    4, 2003, 1003, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
    5, 2002, 1002, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
    6, 2001, 1001, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
    7, 2088, 2078, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
    8, 2010, 1010, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
    9, 2009, 1009, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   10, 2008, 1008, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   11, 2007, 1007, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   12, 2006, 1006, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   13, 2095, 2085, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   14, 2089, 2079, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   15, 2091, 2081, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   16, 2090, 2080, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   17, 2092, 2082, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   18, 2086, 2076, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   19, 2093, 2083, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   20, 2087, 2077, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   21, 2179, 2169, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   22, 2173, 2163, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   23, 2180, 2170, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   24, 2174, 2164, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   25, 2176, 2166, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   26, 2175, 2165, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   27, 2177, 2167, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   28, 2171, 2161, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   29, 2178, 2168, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,
   30, 2172, 2162, GEN ,      0, NO, NO, NO, NO, NO, NO,
NO, 1.36e+06, 1700, 1700, 0, 0, 0, NO, 0.5, 0.5,

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*RIGIDLINK      ; Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
    102, 111111, 1001,
    112, 111111, 1006,
    115, 111111, 2076,
    125, 111111, 2081,
    128, 111111, 2161,
    138, 111111, 2166,
    202, 111111, 1002,
    212, 111111, 1007,
    215, 111111, 2077,
    225, 111111, 2082,
    228, 111111, 2162,
    238, 111111, 2167,
    302, 111111, 1003,
    312, 111111, 1008,
    315, 111111, 2078,
    325, 111111, 2083,
    328, 111111, 2163,
    338, 111111, 2168,
    402, 111111, 1004,
    412, 111111, 1009,
    415, 111111, 2079,
    425, 111111, 2084,
    428, 111111, 2164,
    438, 111111, 2169,
    502, 111111, 1005,
    512, 111111, 1010,
    515, 111111, 2080,
    525, 111111, 2085,
    528, 111111, 2165,
    538, 111111, 2170,
*USE-STLD, 합성후 고정하중
*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, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    102, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    103, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    104, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    105, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    106, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    107, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    108, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    109, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    110, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    111, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    112, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    113, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    114, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    115, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    116, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    117, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
    118, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,

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[illegible]

[illegible]

525, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0	101, 1.1, 0.217, YES, 0, 0.5,	102, 1.1, 0.217, NO,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	103, 1.1, 0.217, NO, 0, 0.5,	104, 1.1, 0.217, NO,
526, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	105, 1.1, 0.217, NO, 0, 0.5,	106, 1.1, 0.217, NO,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	107, 1.1, 0.217, NO, 0, 0.5,	108, 1.1, 0.217, NO,
527, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	109, 1.1, 0.217, NO, 0, 0.5,	110, 1.1, 0.217, NO,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	111, 1.1, 0.217, NO, 0, 0.5,	112, 1.1, 0.217, NO,
528, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	113, 1.1, 0.217, NO, 0, 0.5,	114, 1.1, 0.217, NO,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	115, 1.1, 0.217, NO, 0, 0.5,	116, 1.1, 0.217, NO,
529, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	117, 1.1, 0.217, NO, 0, 0.5,	118, 1.1, 0.217, NO,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	119, 1.1, 0.217, NO, 0, 0.5,	120, 1.1, 0.217, NO,
530, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	121, 1.1, 0.217, NO, 0, 0.5,	122, 1.1, 0.217, NO,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	123, 1.1, 0.217, NO, 0, 0.5,	124, 1.1, 0.217, NO,
531, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	125, 1.1, 0.217, NO, 0, 0.5,	126, 1.1, 0.217, NO,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	127, 1.1, 0.217, NO, 0, 0.5,	128, 1.1, 0.217, NO,
532, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	129, 1.1, 0.217, NO, 0, 0.5,	130, 1.1, 0.217, NO,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	131, 1.1, 0.217, NO, 0, 0.5,	132, 1.1, 0.217, NO,
533, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	133, 1.1, 0.217, NO, 0, 0.5,	134, 1.1, 0.217, NO,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	135, 1.1, 0.217, NO, 0, 0.5,	136, 1.1, 0.217, NO,
534, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	137, 1.1, 0.217, NO, 0, 0.5,	138, 1.1, 0.217, NO,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	NAME=L2(우측 기준), LANE, , 0, 0, BOTH, 0, 3, 1.8, NO,	0
535, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	301, 0.167, 0.217, YES, 0, 0.5,	302, 0.167, 0.217,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	NO, 0, 0.5	303, 0.167, 0.217, NO, 0, 0.5,
536, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	304, 0.167, 0.217,	305, 0.167, 0.217, NO, 0, 0.5,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	306, 0.167, 0.217,	307, 0.167, 0.217, NO, 0, 0.5,
537, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	308, 0.167, 0.217,	309, 0.167, 0.217, NO, 0, 0.5,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	310, 0.167, 0.217,	311, 0.167, 0.217, NO, 0, 0.5,
538, BEAM , UNILoad, GZ, NO , NO, LY, , , , 0,	0, 0.5	312, 0.167, 0.217,	313, 0.167, 0.217, NO, 0, 0.5,
-10.356, 1, -10.356, 0, 0, 0, 0 , NO, 0, 0, NO,	0, 0.5	314, 0.167, 0.217,	315, 0.167, 0.217, NO, 0, 0.5,
; End of data for load case [합성후 고정하중]	0, 0.5	316, 0.167, 0.217,	317, 0.167, 0.217, NO, 0, 0.5,
-----		318, 0.167, 0.217,	319, 0.167, 0.217, NO, 0, 0.5,
*MVLDCODE ; Moving Load Code	0, 0.5	320, 0.167, 0.217,	321, 0.167, 0.217, NO, 0, 0.5,
; CODE=CODE	0, 0.5	322, 0.167, 0.217,	323, 0.167, 0.217, NO, 0, 0.5,
CODE=KOREA	0, 0.5	324, 0.167, 0.217,	325, 0.167, 0.217, NO, 0, 0.5,
*LINELANE ; Traffic Line Lanes	0, 0.5	326, 0.167, 0.217,	327, 0.167, 0.217, NO, 0, 0.5,
; NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING,	0, 0.5	328, 0.167, 0.217,	329, 0.167, 0.217, NO, 0, 0.5,
LANETYPE, LW, WS, bLANEOPT, ALLOWWIDTH ; line 1	0, 0.5	330, 0.167, 0.217,	331, 0.167, 0.217, NO, 0, 0.5,
; iELEM1, ECC1, FACT1, bSPAN1, ECCVL, CENTF	0, 0.5	332, 0.167, 0.217,	333, 0.167, 0.217, NO, 0, 0.5,
; from line 2	0, 0.5	334, 0.167, 0.217,	335, 0.167, 0.217, NO, 0, 0.5,
NAME=L1(우측 기준), LANE, , 0, 0, BOTH, 0, 3, 1.8, NO,	0	336, 0.167, 0.217,	337, 0.167, 0.217, NO, 0, 0.5,
0		338, 0.167, 0.217,	NO, 0, 0.5
501, -1.1, 0.217, YES, 0, 0.5,	502, -1.1, 0.217,		
NO, 0, 0.5			
503, -1.1, 0.217, NO, 0, 0.5,	504, -1.1, 0.217,		
NO, 0, 0.5			
505, -1.1, 0.217, NO, 0, 0.5,	506, -1.1, 0.217,		
NO, 0, 0.5			
507, -1.1, 0.217, NO, 0, 0.5,	508, -1.1, 0.217,		
NO, 0, 0.5			
509, -1.1, 0.217, NO, 0, 0.5,	510, -1.1, 0.217,		
NO, 0, 0.5			
511, -1.1, 0.217, NO, 0, 0.5,	512, -1.1, 0.217,		
NO, 0, 0.5			
513, -1.1, 0.217, NO, 0, 0.5,	514, -1.1, 0.217,		
NO, 0, 0.5			
515, -1.1, 0.217, NO, 0, 0.5,	516, -1.1, 0.217,		
NO, 0, 0.5			
517, -1.1, 0.217, NO, 0, 0.5,	518, -1.1, 0.217,		
NO, 0, 0.5			
519, -1.1, 0.217, NO, 0, 0.5,	520, -1.1, 0.217,		
NO, 0, 0.5			
521, -1.1, 0.217, NO, 0, 0.5,	522, -1.1, 0.217,		
NO, 0, 0.5			
523, -1.1, 0.217, NO, 0, 0.5,	524, -1.1, 0.217,		
NO, 0, 0.5			
525, -1.1, 0.217, NO, 0, 0.5,	526, -1.1, 0.217,		
NO, 0, 0.5			
527, -1.1, 0.217, NO, 0, 0.5,	528, -1.1, 0.217,		
NO, 0, 0.5			
529, -1.1, 0.217, NO, 0, 0.5,	530, -1.1, 0.217,		
NO, 0, 0.5			
531, -1.1, 0.217, NO, 0, 0.5,	532, -1.1, 0.217,		
NO, 0, 0.5			
533, -1.1, 0.217, NO, 0, 0.5,	534, -1.1, 0.217,		
NO, 0, 0.5			
535, -1.1, 0.217, NO, 0, 0.5,	536, -1.1, 0.217,		
NO, 0, 0.5			
537, -1.1, 0.217, NO, 0, 0.5,	538, -1.1, 0.217,		
NO, 0, 0.5			
NAME=L1(좌측 기준), LANE, , 0, 0, BOTH, 0, 3, 1.8, NO,			

NAME=L2(좌측 기준), LANE, , 0, 0, BOTH, 0, 3, 1.8, NO,
0
301, -0.167, 0.217, YES, 0, 0.5, 302, -0.167,
0.217, NO, 0, 0.5
303, -0.167, 0.217, NO, 0, 0.5, 304, -0.167,
0.217, NO, 0, 0.5
305, -0.167, 0.217, NO, 0, 0.5, 306, -0.167,
0.217, NO, 0, 0.5
307, -0.167, 0.217, NO, 0, 0.5, 308, -0.167,
0.217, NO, 0, 0.5
309, -0.167, 0.217, NO, 0, 0.5, 310, -0.167,
0.217, NO, 0, 0.5
311, -0.167, 0.217, NO, 0, 0.5, 312, -0.167,
0.217, NO, 0, 0.5
313, -0.167, 0.217, NO, 0, 0.5, 314, -0.167,
0.217, NO, 0, 0.5
315, -0.167, 0.217, NO, 0, 0.5, 316, -0.167,
0.217, NO, 0, 0.5
317, -0.167, 0.217, NO, 0, 0.5, 318, -0.167,
0.217, NO, 0, 0.5
319, -0.167, 0.217, NO, 0, 0.5, 320, -0.167,
0.217, NO, 0, 0.5
321, -0.167, 0.217, NO, 0, 0.5, 322, -0.167,
0.217, NO, 0, 0.5
323, -0.167, 0.217, NO, 0, 0.5, 324, -0.167,
0.217, NO, 0, 0.5
325, -0.167, 0.217, NO, 0, 0.5, 326, -0.167,
0.217, NO, 0, 0.5
327, -0.167, 0.217, NO, 0, 0.5, 328, -0.167,
0.217, NO, 0, 0.5
329, -0.167, 0.217, NO, 0, 0.5, 330, -0.167,
0.217, NO, 0, 0.5
331, -0.167, 0.217, NO, 0, 0.5, 332, -0.167,
0.217, NO, 0, 0.5
333, -0.167, 0.217, NO, 0, 0.5, 334, -0.167,
0.217, NO, 0, 0.5
335, -0.167, 0.217, NO, 0, 0.5, 336, -0.167,
0.217, NO, 0, 0.5
337, -0.167, 0.217, NO, 0, 0.5, 338, -0.167,
0.217, NO, 0, 0.5
NAME=L3(우측 기준), LANE, , 0, 0, BOTH, 0, 3, 1.8, NO,
0
201, -0.866, 0.217, YES, 0, 0.5, 202, -0.866,
0.217, NO, 0, 0.5
203, -0.866, 0.217, NO, 0, 0.5, 204, -0.866,
0.217, NO, 0, 0.5
205, -0.866, 0.217, NO, 0, 0.5, 206, -0.866,
0.217, NO, 0, 0.5
207, -0.866, 0.217, NO, 0, 0.5, 208, -0.866,
0.217, NO, 0, 0.5
209, -0.866, 0.217, NO, 0, 0.5, 210, -0.866,
0.217, NO, 0, 0.5
211, -0.866, 0.217, NO, 0, 0.5, 212, -0.866,
0.217, NO, 0, 0.5
213, -0.866, 0.217, NO, 0, 0.5, 214, -0.866,
0.217, NO, 0, 0.5
215, -0.866, 0.217, NO, 0, 0.5, 216, -0.866,
0.217, NO, 0, 0.5
217, -0.866, 0.217, NO, 0, 0.5, 218, -0.866,
0.217, NO, 0, 0.5
219, -0.866, 0.217, NO, 0, 0.5, 220, -0.866,
0.217, NO, 0, 0.5
221, -0.866, 0.217, NO, 0, 0.5, 222, -0.866,
0.217, NO, 0, 0.5
223, -0.866, 0.217, NO, 0, 0.5, 224, -0.866,
0.217, NO, 0, 0.5
225, -0.866, 0.217, NO, 0, 0.5, 226, -0.866,
0.217, NO, 0, 0.5
227, -0.866, 0.217, NO, 0, 0.5, 228, -0.866,
0.217, NO, 0, 0.5
229, -0.866, 0.217, NO, 0, 0.5, 230, -0.866,
0.217, NO, 0, 0.5
231, -0.866, 0.217, NO, 0, 0.5, 232, -0.866,
0.217, NO, 0, 0.5
233, -0.866, 0.217, NO, 0, 0.5, 234, -0.866,
0.217, NO, 0, 0.5
235, -0.866, 0.217, NO, 0, 0.5, 236, -0.866,
0.217, NO, 0, 0.5
237, -0.866, 0.217, NO, 0, 0.5, 238, -0.866,

0.217, NO, 0, 0.5
NAME=L3(좌측 기준), LANE, , 0, 0, BOTH, 0, 3, 1.8, NO,
0
401, 0.866, 0.217, YES, 0, 0.5, 402, 0.866, 0.217,
NO, 0, 0.5
403, 0.866, 0.217, NO, 0, 0.5, 404, 0.866, 0.217,
NO, 0, 0.5
405, 0.866, 0.217, NO, 0, 0.5, 406, 0.866, 0.217,
NO, 0, 0.5
407, 0.866, 0.217, NO, 0, 0.5, 408, 0.866, 0.217,
NO, 0, 0.5
409, 0.866, 0.217, NO, 0, 0.5, 410, 0.866, 0.217,
NO, 0, 0.5
411, 0.866, 0.217, NO, 0, 0.5, 412, 0.866, 0.217,
NO, 0, 0.5
413, 0.866, 0.217, NO, 0, 0.5, 414, 0.866, 0.217,
NO, 0, 0.5
415, 0.866, 0.217, NO, 0, 0.5, 416, 0.866, 0.217,
NO, 0, 0.5
417, 0.866, 0.217, NO, 0, 0.5, 418, 0.866, 0.217,
NO, 0, 0.5
419, 0.866, 0.217, NO, 0, 0.5, 420, 0.866, 0.217,
NO, 0, 0.5
421, 0.866, 0.217, NO, 0, 0.5, 422, 0.866, 0.217,
NO, 0, 0.5
423, 0.866, 0.217, NO, 0, 0.5, 424, 0.866, 0.217,
NO, 0, 0.5
425, 0.866, 0.217, NO, 0, 0.5, 426, 0.866, 0.217,
NO, 0, 0.5
427, 0.866, 0.217, NO, 0, 0.5, 428, 0.866, 0.217,
NO, 0, 0.5
429, 0.866, 0.217, NO, 0, 0.5, 430, 0.866, 0.217,
NO, 0, 0.5
431, 0.866, 0.217, NO, 0, 0.5, 432, 0.866, 0.217,
NO, 0, 0.5
433, 0.866, 0.217, NO, 0, 0.5, 434, 0.866, 0.217,
NO, 0, 0.5
435, 0.866, 0.217, NO, 0, 0.5, 436, 0.866, 0.217,
NO, 0, 0.5
437, 0.866, 0.217, NO, 0, 0.5, 438, 0.866, 0.217,
NO, 0, 0.5
*LSUPPORT ; Lane Supports - Negative Moments at
Interior Piers
; iTYPE, ELEM_LIST, POSITION ; (When iTYPE=0)
; iTYPE, GRUP-NAME ; (When iTYPE=1)
0, 115to515by100 128to528by100, END-I
0, 111to511by100 124to524by100, 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

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; 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=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4,
CA, LL ; ALL MODEL
2(UDL+KEL)
; 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

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; [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
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),

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... ; 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 Moving Load Code is France
; NAME=NAME, 1, TYPE=NAME, nLANETYPE, bDYNAFAC
; ; standard:line 1
; NAME=NAME, 1, TYPE=NAME, nLANETYPE, bDYNAFAC,
SidewalkW ; Sidewalk:line 1
; if Moving Load Code is Japan
; NAME=NAME, 1, TYPE=NAME, CODE, NUM, HEIGHT, D2
; ; standard:line 1
; NAME=NAME, 2, nLOADTYPE, nLANETYPE, nTRAINTYPE,
HEIGHT, D1, D2, W1 ; user:line 1
; if Moving Load Code is Australia.
; NAME=NAME, 1, TYPE=NAME, DLA, CODE, bFATIG,
dRoadW2, dIncrLength, DLA2, nSlowMoving, nAuto ; 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

; 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, bCentF, bTDM
; ; 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, KS2005, NO, NO
NAME=DL-24, 1, DL-24, 0, KS2005, NO, NO
*VCLASS ; Vehicle Classes
; NAME=NAME ; line 1
; VLOAD1, VLOAD2, ... ; from line 2
NAME=DB24
DB-24
NAME=DL24
DL-24
*MVLD CASE ; Moving Load Cases
; NAME=NAME, nLCTYPE, SCALE1, SCALE2, SCALE3,
SCALE4, SCALE5, SCALE6, COMB, DESC, LCOM, SERIAL ;
1st line
; nLCTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1,
3LFACTOR2, 3LFACTOR3, 3LFACTOR4 ; 2st
line
; TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1, LANE11,
LANE12, ... ; 3nd line
; ...
; TYPEEn, VCLASSn, SCALEEn, 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

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1st line
;
; ; Traffic Lane Optimization ...
; TYPEEn, VCLASSn, SCALEn...
; ; Traffic Lane Optimization

n+1th line
NAME=활하중, 0, 1, 1, 0.9, 0.75, 0.75, 0.75,
INDEPENDENT, 설계활하중(부재력), 0, NO, 0
1, 1, 1, 1, 1, 0.5, 0.25
1, 0.9, 0.8, 0.7, 0.6, 0.55
VC, DB24, 1, 1, 3, L1(좌측 기준), L2(좌측 기준), L3(좌
측 기준)
VC, DL24, 1, 1, 3, L1(좌측 기준), L2(좌측 기준), L3(좌
측 기준)
VC, DB24, 1, 1, 3, L1(우측 기준), L2(우측 기준), L3(우
측 기준)
VC, DL24, 1, 1, 3, L1(우측 기준), L2(우측 기준), L3(우
측 기준)
*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, 합성후 고정하중, 160, 192, 255, 0, 192, 192, 192, 72, 0
MV, 활하중, 255, 192, 87, 192, 0, 192, 192, 0, 192
*ANAL-CTRL
; bARDC, bANRC, iITER, TOL, bCSECF, bTRS, bCRBAR,
bTPF, bCSO, bSCS, bCLATS
YES, YES, 20, 0.001, YES, YES, YES, NO, NO, NO, NO,
NO
*MOVE-CTRL ; Moving Load Analysis Control
; METHOD, POINT, iGP, iGPN/DIST, MATTYPE,
BRIDGETYPE, AKMATTYPE, AKBRIDGETYPE, MINFACTS2,
PLATE, bSTRCALC, bCONCURRENT, bCONCLINK, FRAME,
bCSTRCALC, bREAC, bRG, RGN, bDISP, bDG, DGN, bFM,
bFG, FGN, bL, bLG, LGN, MAXV, INCV, MAXSPACE
EXACT, ALL, 0, 3, 1, 0, 1, 0, 0.8, NODAL, NO, NO, NO,
AXIAL, NO, YES, NO, , YES, NO, , YES, NO, , YES,
NO, , 10, 1, 10, NO
*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,
bFCI, FCI
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1,
FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2,
AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5,
AL6, AL7, AL8, AL9, AL10
; MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
1, CONC , C40 , 1, KSCE-LSD15(RC),
,C40 , NO, 1, NO, 0, , , 0, 0, 28000, NO, 0,
0, , , , 0, NO, 1, , , 0, 0,
0
2, CONC , C27 , 1, KSCE-LSD15(RC),
,C27 , NO, 1, NO, 0, , , 0, 0, 18900, NO, 0,
0, , , , 0, NO, 1, , , 0, 0,
0
*SECTION MANAGER-GROUP & PART ; Section Manager
- Group & Part
; SECT = NO, bSAMEJ
; ; line 1
; GRPDISIZE, GRPDJSIZE, PARTISIZE, PARTJSIZE
; ; line 2
; ..... ;
; LOOP UTIL (GRPDISIZE, GRPDJSIZE)
; ;
; GROUPID, GROUPNAME, GROUPTYPE

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; 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=4, YES
0, 0, 0, 0
SECT=8, YES
0, 0, 0, 0
SECT=9, YES
0, 0, 0, 0
SECT=10, YES
0, 0, 0, 0
SECT=11, YES
0, 0, 0, 0
SECT=22, YES
0, 0, 0, 0
SECT=28, YES
0, 0, 0, 0
SECT=29, YES
0, 0, 0, 0
SECT=105, YES
0, 0, 0, 0
*SECTION MANAGER-STIFFENER ; Section Manager -
Stiffener
; SECT = NO, bSAMEJ
; line 1
; STFNSIZE, STFNJSIZE
; line 2
; ..... ;
; LOOP UTIL (STFNSIZE, STFNJSIZE)
;
; 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=4, YES
0, 0
SECT=8, YES
0, 0
SECT=9, YES
0, 0
SECT=10, YES
0, 0
SECT=11, YES
0, 0
SECT=22, YES
0, 0
SECT=28, YES
0, 0
SECT=29, YES
0, 0
SECT=105, YES
0, 0
*ENDDATA

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재하시험

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;-----
; MIDAS/Civil Text(MCT) File.
; Date : 2026/3/24
;-----
*VERSION
9.7.0
*UNIT ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
N , MM, J, C
*STRUCTYPE ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT,
GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB, bROTRIGID
0, 1, 1, NO, NO, 9806, 0, NO, NO, NO
*REBAR-MATL-CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01-Civil(RC), SD400, KS01-Civil(RC), SD400
*NODE ; Nodes
; iNO, X, Y, Z
101, 0, 4600, 0
102, 400, 4600, 0
103, 600, 4600, 0
104, 4000, 4600, 0
105, 5250, 4600, 0
106, 10100, 4600, 0
107, 14950, 4600, 0
108, 19800, 4600, 0
109, 24650, 4600, 0
110, 25900, 4600, 0
111, 29300, 4600, 0
112, 29500, 4600, 0
113, 29900, 4600, 0
114, 30000, 4600, 0
115, 30400, 4600, 0
116, 30600, 4600, 0
117, 34000, 4600, 0
118, 35250, 4600, 0
119, 40100, 4600, 0
120, 44950, 4600, 0
121, 49800, 4600, 0
122, 54650, 4600, 0
123, 55900, 4600, 0
124, 59300, 4600, 0
125, 59500, 4600, 0
126, 59900, 4600, 0
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128, 60400, 4600, 0
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130, 64000, 4600, 0
131, 65250, 4600, 0
132, 70100, 4600, 0
133, 74950, 4600, 0
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135, 84650, 4600, 0
136, 85900, 4600, 0
137, 89300, 4600, 0
138, 89500, 4600, 0
139, 89900, 4600, 0
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202, 400, 2300, 0
203, 600, 2300, 0
204, 4000, 2300, 0
205, 5250, 2300, 0
206, 10100, 2300, 0
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224, 59300, 2300, 0
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690, 79800, -5500, 0
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692, 85900, -5500, 0
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711, 52225, -5000, 0
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718, 82225, -5500, 0
719, 82225, -5000, 0
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721, 12525, -4600, 0
722, 17375, -4600, 0
723, 22225, -4600, 0
724, 37675, -4600, 0
725, 42525, -4600, 0
726, 47375, -4600, 0
727, 52225, -4600, 0
728, 67675, -4600, 0
729, 72525, -4600, 0
730, 77375, -4600, 0
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732, 7675, -2300, 0
733, 12525, -2300, 0
734, 17375, -2300, 0
735, 22225, -2300, 0
736, 37675, -2300, 0
737, 42525, -2300, 0
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743, 82225, -2300, 0
744, 7675, 0, 0
745, 12525, 0, 0
746, 17375, 0, 0
747, 22225, 0, 0
748, 37675, 0, 0
749, 42525, 0, 0
750, 47375, 0, 0
751, 52225, 0, 0
752, 67675, 0, 0
753, 72525, 0, 0
754, 77375, 0, 0
755, 82225, 0, 0
756, 7675, 2300, 0
757, 12525, 2300, 0
758, 17375, 2300, 0
759, 22225, 2300, 0
760, 37675, 2300, 0
761, 42525, 2300, 0
762, 47375, 2300, 0
763, 52225, 2300, 0
764, 67675, 2300, 0
765, 72525, 2300, 0
766, 77375, 2300, 0
767, 82225, 2300, 0
768, 7675, 4600, 0
769, 12525, 4600, 0
770, 17375, 4600, 0
771, 22225, 4600, 0
772, 37675, 4600, 0
773, 42525, 4600, 0
774, 47375, 4600, 0
775, 52225, 4600, 0
776, 67675, 4600, 0
777, 72525, 4600, 0
778, 77375, 4600, 0
779, 82225, 4600, 0
780, 7675, 5000, 0
781, 12525, 5000, 0
782, 17375, 5000, 0
783, 22225, 5000, 0
784, 37675, 5000, 0
785, 42525, 5000, 0
786, 47375, 5000, 0
787, 52225, 5000, 0
788, 67675, 5000, 0
789, 72525, 5000, 0
790, 77375, 5000, 0
791, 82225, 5000, 0
792, 7675, 5500, 0

793, 12525, 5500, 0
794, 17375, 5500, 0
795, 22225, 5500, 0
796, 37675, 5500, 0
797, 42525, 5500, 0
798, 47375, 5500, 0
799, 52225, 5500, 0
800, 67675, 5500, 0
801, 72525, 5500, 0
802, 77375, 5500, 0
803, 82225, 5500, 0
*ELEMENT ; Elements
; 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
101, BEAM , 1, 1, 101, 102, 0, 0
102, BEAM , 1, 1, 102, 103, 0, 0
103, BEAM , 1, 3, 103, 104, 0, 0
104, BEAM , 1, 2, 104, 105, 0, 0
105, BEAM , 1, 2, 105, 768, 0, 0
106, BEAM , 1, 2, 106, 769, 0, 0
107, BEAM , 1, 2, 107, 770, 0, 0
108, BEAM , 1, 2, 108, 771, 0, 0
109, BEAM , 1, 2, 109, 110, 0, 0
110, BEAM , 1, 4, 110, 111, 0, 0
111, BEAM , 1, 1, 111, 112, 0, 0
112, BEAM , 1, 1, 112, 113, 0, 0
113, BEAM , 1, 1, 114, 115, 0, 0
114, BEAM , 1, 1, 115, 116, 0, 0
115, BEAM , 1, 3, 116, 117, 0, 0
116, BEAM , 1, 2, 117, 118, 0, 0
117, BEAM , 1, 2, 118, 772, 0, 0
118, BEAM , 1, 2, 119, 773, 0, 0
119, BEAM , 1, 2, 120, 774, 0, 0
120, BEAM , 1, 2, 121, 775, 0, 0
121, BEAM , 1, 2, 122, 123, 0, 0
122, BEAM , 1, 4, 123, 124, 0, 0
123, BEAM , 1, 1, 124, 125, 0, 0
124, BEAM , 1, 1, 125, 126, 0, 0
125, BEAM , 1, 1, 127, 128, 0, 0
126, BEAM , 1, 1, 128, 129, 0, 0
127, BEAM , 1, 3, 129, 130, 0, 0
128, BEAM , 1, 2, 130, 131, 0, 0
129, BEAM , 1, 2, 131, 776, 0, 0
130, BEAM , 1, 2, 132, 777, 0, 0
131, BEAM , 1, 2, 133, 778, 0, 0
132, BEAM , 1, 2, 134, 779, 0, 0
133, BEAM , 1, 2, 135, 136, 0, 0
134, BEAM , 1, 4, 136, 137, 0, 0
135, BEAM , 1, 1, 137, 138, 0, 0
136, BEAM , 1, 1, 138, 139, 0, 0
201, BEAM , 1, 1, 201, 202, 0, 0
202, BEAM , 1, 1, 202, 203, 0, 0
203, BEAM , 1, 3, 203, 204, 0, 0
204, BEAM , 1, 2, 204, 205, 0, 0
205, BEAM , 1, 2, 205, 756, 0, 0
206, BEAM , 1, 2, 206, 757, 0, 0
207, BEAM , 1, 2, 207, 758, 0, 0
208, BEAM , 1, 2, 208, 759, 0, 0
209, BEAM , 1, 2, 209, 210, 0, 0
210, BEAM , 1, 4, 210, 211, 0, 0
211, BEAM , 1, 1, 211, 212, 0, 0
212, BEAM , 1, 1, 212, 213, 0, 0
213, BEAM , 1, 1, 214, 215, 0, 0
214, BEAM , 1, 1, 215, 216, 0, 0
215, BEAM , 1, 3, 216, 217, 0, 0
216, BEAM , 1, 2, 217, 218, 0, 0
217, BEAM , 1, 2, 218, 760, 0, 0
218, BEAM , 1, 2, 219, 761, 0, 0
219, BEAM , 1, 2, 220, 762, 0, 0
220, BEAM , 1, 2, 221, 763, 0, 0
221, BEAM , 1, 2, 222, 223, 0, 0
222, BEAM , 1, 4, 223, 224, 0, 0
223, BEAM , 1, 1, 224, 225, 0, 0

224, BEAM	, 1, 1,	225, 226,	0, 0	431, BEAM	, 1, 2,	433, 742,	0, 0
225, BEAM	, 1, 1,	227, 228,	0, 0	432, BEAM	, 1, 2,	434, 743,	0, 0
226, BEAM	, 1, 1,	228, 229,	0, 0	433, BEAM	, 1, 2,	435, 436,	0, 0
227, BEAM	, 1, 3,	229, 230,	0, 0	434, BEAM	, 1, 4,	436, 437,	0, 0
228, BEAM	, 1, 2,	230, 231,	0, 0	435, BEAM	, 1, 1,	437, 438,	0, 0
229, BEAM	, 1, 2,	231, 764,	0, 0	436, BEAM	, 1, 1,	438, 439,	0, 0
230, BEAM	, 1, 2,	232, 765,	0, 0	501, BEAM	, 1, 1,	501, 502,	0, 0
231, BEAM	, 1, 2,	233, 766,	0, 0	502, BEAM	, 1, 1,	502, 503,	0, 0
232, BEAM	, 1, 2,	234, 767,	0, 0	503, BEAM	, 1, 3,	503, 504,	0, 0
233, BEAM	, 1, 2,	235, 236,	0, 0	504, BEAM	, 1, 2,	504, 505,	0, 0
234, BEAM	, 1, 4,	236, 237,	0, 0	505, BEAM	, 1, 2,	505, 720,	0, 0
235, BEAM	, 1, 1,	237, 238,	0, 0	506, BEAM	, 1, 2,	506, 721,	0, 0
236, BEAM	, 1, 1,	238, 239,	0, 0	507, BEAM	, 1, 2,	507, 722,	0, 0
301, BEAM	, 1, 1,	301, 302,	0, 0	508, BEAM	, 1, 2,	508, 723,	0, 0
302, BEAM	, 1, 1,	302, 303,	0, 0	509, BEAM	, 1, 2,	509, 510,	0, 0
303, BEAM	, 1, 3,	303, 304,	0, 0	510, BEAM	, 1, 4,	510, 511,	0, 0
304, BEAM	, 1, 2,	304, 305,	0, 0	511, BEAM	, 1, 1,	511, 512,	0, 0
305, BEAM	, 1, 2,	305, 744,	0, 0	512, BEAM	, 1, 1,	512, 513,	0, 0
306, BEAM	, 1, 2,	306, 745,	0, 0	513, BEAM	, 1, 1,	514, 515,	0, 0
307, BEAM	, 1, 2,	307, 746,	0, 0	514, BEAM	, 1, 1,	515, 516,	0, 0
308, BEAM	, 1, 2,	308, 747,	0, 0	515, BEAM	, 1, 3,	516, 517,	0, 0
309, BEAM	, 1, 2,	309, 310,	0, 0	516, BEAM	, 1, 2,	517, 518,	0, 0
310, BEAM	, 1, 4,	310, 311,	0, 0	517, BEAM	, 1, 2,	518, 724,	0, 0
311, BEAM	, 1, 1,	311, 312,	0, 0	518, BEAM	, 1, 2,	519, 725,	0, 0
312, BEAM	, 1, 1,	312, 313,	0, 0	519, BEAM	, 1, 2,	520, 726,	0, 0
313, BEAM	, 1, 1,	314, 315,	0, 0	520, BEAM	, 1, 2,	521, 727,	0, 0
314, BEAM	, 1, 1,	315, 316,	0, 0	521, BEAM	, 1, 2,	522, 523,	0, 0
315, BEAM	, 1, 3,	316, 317,	0, 0	522, BEAM	, 1, 4,	523, 524,	0, 0
316, BEAM	, 1, 2,	317, 318,	0, 0	523, BEAM	, 1, 1,	524, 525,	0, 0
317, BEAM	, 1, 2,	318, 748,	0, 0	524, BEAM	, 1, 1,	525, 526,	0, 0
318, BEAM	, 1, 2,	319, 749,	0, 0	525, BEAM	, 1, 1,	527, 528,	0, 0
319, BEAM	, 1, 2,	320, 750,	0, 0	526, BEAM	, 1, 1,	528, 529,	0, 0
320, BEAM	, 1, 2,	321, 751,	0, 0	527, BEAM	, 1, 3,	529, 530,	0, 0
321, BEAM	, 1, 2,	322, 323,	0, 0	528, BEAM	, 1, 2,	530, 531,	0, 0
322, BEAM	, 1, 4,	323, 324,	0, 0	529, BEAM	, 1, 2,	531, 728,	0, 0
323, BEAM	, 1, 1,	324, 325,	0, 0	530, BEAM	, 1, 2,	532, 729,	0, 0
324, BEAM	, 1, 1,	325, 326,	0, 0	531, BEAM	, 1, 2,	533, 730,	0, 0
325, BEAM	, 1, 1,	327, 328,	0, 0	532, BEAM	, 1, 2,	534, 731,	0, 0
326, BEAM	, 1, 1,	328, 329,	0, 0	533, BEAM	, 1, 2,	535, 536,	0, 0
327, BEAM	, 1, 3,	329, 330,	0, 0	534, BEAM	, 1, 4,	536, 537,	0, 0
328, BEAM	, 1, 2,	330, 331,	0, 0	535, BEAM	, 1, 1,	537, 538,	0, 0
329, BEAM	, 1, 2,	331, 752,	0, 0	536, BEAM	, 1, 1,	538, 539,	0, 0
330, BEAM	, 1, 2,	332, 753,	0, 0	537, BEAM	, 2, 5,	102, 202,	0, 0
331, BEAM	, 1, 2,	333, 754,	0, 0	538, BEAM	, 2, 5,	202, 302,	0, 0
332, BEAM	, 1, 2,	334, 755,	0, 0	539, BEAM	, 2, 5,	302, 402,	0, 0
333, BEAM	, 1, 2,	335, 336,	0, 0	540, BEAM	, 2, 5,	402, 502,	0, 0
334, BEAM	, 1, 4,	336, 337,	0, 0	541, BEAM	, 2, 6,	105, 205,	0, 0
335, BEAM	, 1, 1,	337, 338,	0, 0	542, BEAM	, 2, 6,	205, 305,	0, 0
336, BEAM	, 1, 1,	338, 339,	0, 0	543, BEAM	, 2, 6,	305, 405,	0, 0
401, BEAM	, 1, 1,	401, 402,	0, 0	544, BEAM	, 2, 6,	405, 505,	0, 0
402, BEAM	, 1, 1,	402, 403,	0, 0	545, BEAM	, 2, 6,	106, 206,	0, 0
403, BEAM	, 1, 3,	403, 404,	0, 0	546, BEAM	, 2, 6,	206, 306,	0, 0
404, BEAM	, 1, 2,	404, 405,	0, 0	547, BEAM	, 2, 6,	306, 406,	0, 0
405, BEAM	, 1, 2,	405, 732,	0, 0	548, BEAM	, 2, 6,	406, 506,	0, 0
406, BEAM	, 1, 2,	406, 733,	0, 0	549, BEAM	, 2, 6,	107, 207,	0, 0
407, BEAM	, 1, 2,	407, 734,	0, 0	550, BEAM	, 2, 6,	207, 307,	0, 0
408, BEAM	, 1, 2,	408, 735,	0, 0	551, BEAM	, 2, 6,	307, 407,	0, 0
409, BEAM	, 1, 2,	409, 410,	0, 0	552, BEAM	, 2, 6,	407, 507,	0, 0
410, BEAM	, 1, 4,	410, 411,	0, 0	553, BEAM	, 2, 6,	108, 208,	0, 0
411, BEAM	, 1, 1,	411, 412,	0, 0	554, BEAM	, 2, 6,	208, 308,	0, 0
412, BEAM	, 1, 1,	412, 413,	0, 0	555, BEAM	, 2, 6,	308, 408,	0, 0
413, BEAM	, 1, 1,	414, 415,	0, 0	556, BEAM	, 2, 6,	408, 508,	0, 0
414, BEAM	, 1, 1,	415, 416,	0, 0	557, BEAM	, 2, 6,	109, 209,	0, 0
415, BEAM	, 1, 3,	416, 417,	0, 0	558, BEAM	, 2, 6,	209, 309,	0, 0
416, BEAM	, 1, 2,	417, 418,	0, 0	559, BEAM	, 2, 6,	309, 409,	0, 0
417, BEAM	, 1, 2,	418, 736,	0, 0	560, BEAM	, 2, 6,	409, 509,	0, 0
418, BEAM	, 1, 2,	419, 737,	0, 0	561, BEAM	, 2, 7,	112, 212,	0, 0
419, BEAM	, 1, 2,	420, 738,	0, 0	562, BEAM	, 2, 7,	212, 312,	0, 0
420, BEAM	, 1, 2,	421, 739,	0, 0	563, BEAM	, 2, 7,	312, 412,	0, 0
421, BEAM	, 1, 2,	422, 423,	0, 0	564, BEAM	, 2, 7,	412, 512,	0, 0
422, BEAM	, 1, 4,	423, 424,	0, 0	565, BEAM	, 2, 7,	115, 215,	0, 0
423, BEAM	, 1, 1,	424, 425,	0, 0	566, BEAM	, 2, 7,	215, 315,	0, 0
424, BEAM	, 1, 1,	425, 426,	0, 0	567, BEAM	, 2, 7,	315, 415,	0, 0
425, BEAM	, 1, 1,	427, 428,	0, 0	568, BEAM	, 2, 7,	415, 515,	0, 0
426, BEAM	, 1, 1,	428, 429,	0, 0	569, BEAM	, 2, 6,	118, 218,	0, 0
427, BEAM	, 1, 3,	429, 430,	0, 0	570, BEAM	, 2, 6,	218, 318,	0, 0
428, BEAM	, 1, 2,	430, 431,	0, 0	571, BEAM	, 2, 6,	318, 418,	0, 0
429, BEAM	, 1, 2,	431, 740,	0, 0	572, BEAM	, 2, 6,	418, 518,	0, 0
430, BEAM	, 1, 2,	432, 741,	0, 0	573, BEAM	, 2, 6,	119, 219,	0, 0

1, 0								721, PLATE ,	2,	1,	515,	516,	416,	415,
1, 0	682, PLATE ,	2,	1,	631,	632,	515,	514,	1, 0		1,	516,	517,	417,	416,
1, 0	683, PLATE ,	2,	1,	632,	633,	516,	515,	1, 0		1,	517,	518,	418,	417,
1, 0	684, PLATE ,	2,	1,	633,	634,	517,	516,	1, 0		1,	518,	724,	736,	418,
1, 0	685, PLATE ,	2,	1,	634,	635,	518,	517,	1, 0		1,	519,	725,	737,	419,
1, 0	686, PLATE ,	2,	1,	635,	705,	724,	518,	1, 0		1,	520,	726,	738,	420,
1, 0	687, PLATE ,	2,	1,	636,	707,	725,	519,	1, 0		1,	521,	727,	739,	421,
1, 0	688, PLATE ,	2,	1,	637,	709,	726,	520,	1, 0		1,	522,	523,	423,	422,
1, 0	689, PLATE ,	2,	1,	638,	711,	727,	521,	1, 0		1,	523,	524,	424,	423,
1, 0	690, PLATE ,	2,	1,	639,	640,	523,	522,	1, 0		1,	524,	525,	425,	424,
1, 0	691, PLATE ,	2,	1,	640,	641,	524,	523,	1, 0		1,	525,	526,	426,	425,
1, 0	692, PLATE ,	2,	1,	641,	642,	525,	524,	1, 0		1,	526,	527,	427,	426,
1, 0	693, PLATE ,	2,	1,	642,	643,	526,	525,	1, 0		1,	527,	528,	428,	427,
1, 0	694, PLATE ,	2,	1,	643,	644,	527,	526,	1, 0		1,	528,	529,	429,	428,
1, 0	695, PLATE ,	2,	1,	644,	645,	528,	527,	1, 0		1,	529,	530,	430,	429,
1, 0	696, PLATE ,	2,	1,	645,	646,	529,	528,	1, 0		1,	530,	531,	431,	430,
1, 0	697, PLATE ,	2,	1,	646,	647,	530,	529,	1, 0		1,	531,	728,	740,	431,
1, 0	698, PLATE ,	2,	1,	647,	648,	531,	530,	1, 0		1,	532,	729,	741,	432,
1, 0	699, PLATE ,	2,	1,	648,	713,	728,	531,	1, 0		1,	533,	730,	742,	433,
1, 0	700, PLATE ,	2,	1,	649,	715,	729,	532,	1, 0		1,	534,	731,	743,	434,
1, 0	701, PLATE ,	2,	1,	650,	717,	730,	533,	1, 0		1,	535,	536,	436,	435,
1, 0	702, PLATE ,	2,	1,	651,	719,	731,	534,	1, 0		1,	536,	537,	437,	436,
1, 0	703, PLATE ,	2,	1,	652,	653,	536,	535,	1, 0		1,	537,	538,	438,	437,
1, 0	704, PLATE ,	2,	1,	653,	654,	537,	536,	1, 0		1,	538,	539,	439,	438,
1, 0	705, PLATE ,	2,	1,	654,	655,	538,	537,	1, 0		1,	401,	402,	302,	301,
1, 0	706, PLATE ,	2,	1,	655,	656,	539,	538,	1, 0		1,	402,	403,	303,	302,
1, 0	707, PLATE ,	2,	1,	501,	502,	402,	401,	1, 0		1,	403,	404,	304,	303,
1, 0	708, PLATE ,	2,	1,	502,	503,	403,	402,	1, 0		1,	404,	405,	305,	304,
1, 0	709, PLATE ,	2,	1,	503,	504,	404,	403,	1, 0		1,	405,	732,	744,	305,
1, 0	710, PLATE ,	2,	1,	504,	505,	405,	404,	1, 0		1,	406,	733,	745,	306,
1, 0	711, PLATE ,	2,	1,	505,	720,	732,	405,	1, 0		1,	407,	734,	746,	307,
1, 0	712, PLATE ,	2,	1,	506,	721,	733,	406,	1, 0		1,	408,	735,	747,	308,
1, 0	713, PLATE ,	2,	1,	507,	722,	734,	407,	1, 0		1,	409,	410,	310,	309,
1, 0	714, PLATE ,	2,	1,	508,	723,	735,	408,	1, 0		1,	410,	411,	311,	310,
1, 0	715, PLATE ,	2,	1,	509,	510,	410,	409,	1, 0		1,	411,	412,	312,	311,
1, 0	716, PLATE ,	2,	1,	510,	511,	411,	410,	1, 0		1,	412,	413,	313,	312,
1, 0	717, PLATE ,	2,	1,	511,	512,	412,	411,	1, 0		1,	413,	414,	314,	313,
1, 0	718, PLATE ,	2,	1,	512,	513,	413,	412,	1, 0		1,	414,	415,	315,	314,
1, 0	719, PLATE ,	2,	1,	513,	514,	414,	413,	1, 0		1,	415,	416,	316,	315,
1, 0	720, PLATE ,	2,	1,	514,	515,	415,	414,	1, 0		1,	416,	417,	317,	316,

1, 0	761, PLATE ,	2, 1,	417, 418, 318, 317,	1, 800, PLATE ,	2, 1,	318, 748, 760, 218,
1, 0	762, PLATE ,	2, 1,	418, 736, 748, 318,	1, 801, PLATE ,	2, 1,	319, 749, 761, 219,
1, 0	763, PLATE ,	2, 1,	419, 737, 749, 319,	1, 802, PLATE ,	2, 1,	320, 750, 762, 220,
1, 0	764, PLATE ,	2, 1,	420, 738, 750, 320,	1, 803, PLATE ,	2, 1,	321, 751, 763, 221,
1, 0	765, PLATE ,	2, 1,	421, 739, 751, 321,	1, 804, PLATE ,	2, 1,	322, 323, 223, 222,
1, 0	766, PLATE ,	2, 1,	422, 423, 323, 322,	1, 805, PLATE ,	2, 1,	323, 324, 224, 223,
1, 0	767, PLATE ,	2, 1,	423, 424, 324, 323,	1, 806, PLATE ,	2, 1,	324, 325, 225, 224,
1, 0	768, PLATE ,	2, 1,	424, 425, 325, 324,	1, 807, PLATE ,	2, 1,	325, 326, 226, 225,
1, 0	769, PLATE ,	2, 1,	425, 426, 326, 325,	1, 808, PLATE ,	2, 1,	326, 327, 227, 226,
1, 0	770, PLATE ,	2, 1,	426, 427, 327, 326,	1, 809, PLATE ,	2, 1,	327, 328, 228, 227,
1, 0	771, PLATE ,	2, 1,	427, 428, 328, 327,	1, 810, PLATE ,	2, 1,	328, 329, 229, 228,
1, 0	772, PLATE ,	2, 1,	428, 429, 329, 328,	1, 811, PLATE ,	2, 1,	329, 330, 230, 229,
1, 0	773, PLATE ,	2, 1,	429, 430, 330, 329,	1, 812, PLATE ,	2, 1,	330, 331, 231, 230,
1, 0	774, PLATE ,	2, 1,	430, 431, 331, 330,	1, 813, PLATE ,	2, 1,	331, 752, 764, 231,
1, 0	775, PLATE ,	2, 1,	431, 740, 752, 331,	1, 814, PLATE ,	2, 1,	332, 753, 765, 232,
1, 0	776, PLATE ,	2, 1,	432, 741, 753, 332,	1, 815, PLATE ,	2, 1,	333, 754, 766, 233,
1, 0	777, PLATE ,	2, 1,	433, 742, 754, 333,	1, 816, PLATE ,	2, 1,	334, 755, 767, 234,
1, 0	778, PLATE ,	2, 1,	434, 743, 755, 334,	1, 817, PLATE ,	2, 1,	335, 336, 236, 235,
1, 0	779, PLATE ,	2, 1,	435, 436, 336, 335,	1, 818, PLATE ,	2, 1,	336, 337, 237, 236,
1, 0	780, PLATE ,	2, 1,	436, 437, 337, 336,	1, 819, PLATE ,	2, 1,	337, 338, 238, 237,
1, 0	781, PLATE ,	2, 1,	437, 438, 338, 337,	1, 820, PLATE ,	2, 1,	338, 339, 239, 238,
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1, 0	784, PLATE ,	2, 1,	302, 303, 203, 202,	1, 823, PLATE ,	2, 1,	203, 204, 104, 103,
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1, 0	792, PLATE ,	2, 1,	310, 311, 211, 210,	1, 831, PLATE ,	2, 1,	211, 212, 112, 111,
1, 0	793, PLATE ,	2, 1,	311, 312, 212, 211,	1, 832, PLATE ,	2, 1,	212, 213, 113, 112,
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1, 0	795, PLATE ,	2, 1,	313, 314, 214, 213,	1, 834, PLATE ,	2, 1,	214, 215, 115, 114,
1, 0	796, PLATE ,	2, 1,	314, 315, 215, 214,	1, 835, PLATE ,	2, 1,	215, 216, 116, 115,
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1, 0	798, PLATE ,	2, 1,	316, 317, 217, 216,	1, 837, PLATE ,	2, 1,	217, 218, 118, 117,
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1,	0							1,	962, PLATE ,	2,	1,	711,	639,	522,	727,
1,	919, PLATE ,	2,	1,	562,	563,	602,	601,	1,	0						
1,	0								963, BEAM ,	1,	2,	728,	532,	0,	0
1,	920, PLATE ,	2,	1,	563,	564,	603,	602,		964, PLATE ,	2,	1,	713,	649,	532,	728,
1,	0							1,	0						
1,	921, PLATE ,	2,	1,	564,	565,	604,	603,		965, BEAM ,	1,	2,	729,	533,	0,	0
1,	0								966, PLATE ,	2,	1,	715,	650,	533,	729,
1,	922, PLATE ,	2,	1,	565,	566,	605,	604,	1,	0						
1,	0								967, BEAM ,	1,	2,	730,	534,	0,	0
1,	923, PLATE ,	2,	1,	566,	567,	606,	605,		968, PLATE ,	2,	1,	717,	651,	534,	730,
1,	0							1,	0						
1,	924, PLATE ,	2,	1,	567,	568,	607,	606,		969, BEAM ,	1,	2,	731,	535,	0,	0
1,	0								970, PLATE ,	2,	1,	719,	652,	535,	731,
1,	925, PLATE ,	2,	1,	568,	569,	608,	607,	1,	0						
1,	0								971, BEAM ,	1,	2,	732,	406,	0,	0
1,	926, PLATE ,	2,	1,	569,	570,	609,	608,		972, PLATE ,	2,	1,	720,	506,	406,	732,
1,	0							1,	0						
1,	927, PLATE ,	2,	1,	570,	788,	800,	609,		973, BEAM ,	1,	2,	733,	407,	0,	0
1,	0								974, PLATE ,	2,	1,	721,	507,	407,	733,
1,	928, PLATE ,	2,	1,	571,	789,	801,	610,	1,	0						
1,	0								975, BEAM ,	1,	2,	734,	408,	0,	0
1,	929, PLATE ,	2,	1,	572,	790,	802,	611,		976, PLATE ,	2,	1,	722,	508,	408,	734,
1,	0							1,	0						
1,	930, PLATE ,	2,	1,	573,	791,	803,	612,		977, BEAM ,	1,	2,	735,	409,	0,	0
1,	0								978, PLATE ,	2,	1,	723,	509,	409,	735,
1,	931, PLATE ,	2,	1,	574,	575,	614,	613,	1,	0						
1,	0								979, BEAM ,	1,	2,	736,	419,	0,	0
1,	932, PLATE ,	2,	1,	575,	576,	615,	614,		980, PLATE ,	2,	1,	724,	519,	419,	736,
1,	0							1,	0						
1,	933, PLATE ,	2,	1,	576,	577,	616,	615,		981, BEAM ,	1,	2,	737,	420,	0,	0
1,	0								982, PLATE ,	2,	1,	725,	520,	420,	737,
1,	934, PLATE ,	2,	1,	577,	578,	617,	616,	1,	0						
1,	0								983, BEAM ,	1,	2,	738,	421,	0,	0
1,	935, PLATE ,	2,	1,	696,	662,	623,	697,		984, PLATE ,	2,	1,	726,	521,	421,	738,
1,	0							1,	0						
1,	936, PLATE ,	2,	1,	698,	663,	624,	699,		985, BEAM ,	1,	2,	739,	422,	0,	0
1,	0								986, PLATE ,	2,	1,	727,	522,	422,	739,
1,	937, PLATE ,	2,	1,	700,	664,	625,	701,	1,	0						
1,	0								987, BEAM ,	1,	2,	740,	432,	0,	0
1,	938, PLATE ,	2,	1,	702,	665,	626,	703,</								

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; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
; 점 , 102to502by100 112to512by100, , 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, CONC , C40 , 0, 0, , C, NO, 0.05, 1,
KSCE-LSD15(RC), , C40 , NO, 29984
2, CONC , C27 , 0, 0, , C, NO, 0.05, 1,
KSCE-LSD15(RC), , C27 , NO, 26681
*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, 255, 77, 77, 192, 220, 192, NO, 0.5
2, 166, 202, 240, 0, 128, 128, 0, 43, 19, 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

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; AREA, ASy, ASz, Ixx, Iyy, Izz
; 2nd line
; CyP, CyM, CzP, CzM, QyB, QzB, PERL_OUT, PERL_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
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, bHUMBLY,
SHAPE, iyVAR, izVAR, STYPE ; 1st line -
TAPERED(Steel Comp. Psc Comp.)
; 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, PERL_OUT1,
PERL_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, PERL_OUT2,
PERL_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, EgDEsb, DgdDsb, Pgd, Psb,
bSYM, SW_i, SW_j ; 2nd
line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT]

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```

; 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, bHUMBLY,
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, bHUMBLY,
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, bHUMBLY,
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, bHUMBLY,
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
; 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]

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; 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, [Dumbbell]
; [Dumbbell] : bInfusion
; [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, PSC , END BM(BC) , CT, 0, 0, 0, 0, 0, 0,
YES, NO, PSCI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 1812, YES, 230, NO, 0, NO, 0, NO, 0, NO,
0, 0, YES, NO
NO, , NO, , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
2, PSC , CEN BM(BC) , CT, 0, 0, 0, 0, 0, 0,
YES, NO, PSCI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 1720, YES, 450, NO, 0, NO, 0, NO, 0, NO,
0, 0, YES, NO
NO, , NO, , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
3, TAPERED , END-CEN BM(BC) , CT, 0, 0, 0, 0,
0, 0, 0, 0, YES, NO, NO, PSCI, 2, 2, PSC
, , NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 0, YES, 0, YES, 0, YES, 0, NO, 0, NO, 0,
NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, 0, 0, YES, NO
NO, , NO, , , , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
0, 180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
4, TAPERED , CEN-END BM(BC) , CT, 0, 0, 0, 0,
0, 0, 0, 0, YES, NO, NO, PSCI, 2, 2, PSC

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```

, , NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 0, YES, 0, YES, 0, YES, 0, NO, 0, NO, 0,
NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, 0, 0, YES, NO
NO, , NO, , , , , , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
0, 180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
5, DBUSER , 단부가로보 , CT, 0, 0, 0, 0, 0,
0, YES, NO, SB , 2, 1770, 400, 0, 0, 0, 0, 0, 0, 0, 0
6, DBUSER , 중앙부가로보 , CT, 0, 0, 0, 0, 0,
0, YES, NO, SB , 2, 1770, 300, 0, 0, 0, 0, 0, 0, 0, 0
7, DBUSER , 연속지점부가로보 , CT, 0, 0, 0, 0, 0,
0, 0, YES, NO, SB , 2, 1770, 650, 0, 0, 0, 0, 0, 0, 0
*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G,
HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
5, 166, 202, 240, 0, 128, 128, 0, 43, 19, NO, 0.5
6, 166, 202, 240, 0, 128, 128, 0, 43, 19, NO, 0.5
7, 166, 202, 240, 0, 128, 128, 0, 43, 19, 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
3, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
4, NO, 0, 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, 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
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, bHUMBLY.
SHAPE, iyVAR, izVAR, STYPE ; 1st line -
TAPERED(Steel Comp. Psc Comp.)
; 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

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; 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, EgDsb, 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, bHUMBLY,
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, bHUMBLY,
SHAPE ; 1st line - COMPOSITE-I
; Hw, tw, B1, tf1, B2, tf2
; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS]
(1~2) ; 3rd line

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; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc,
bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, bHUMBLY,
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, bHUMBLY,
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, EgDsb, 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, [Dumbbell]
; [Dumbbell] : bInfusion
; [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, PSC , END BM(BC) , CT, 0, 0, 0, 0, 0, 0,

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```

YES, NO, PSCI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 1812, YES, 230, NO, 0, NO, 0, NO, 0, NO,
0, 0, YES, NO
NO, , NO, , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
0, 180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
2, PSC , CEN BM(BC) , CT, 0, 0, 0, 0, 0, 0,
YES, NO, PSCI
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 1720, YES, 450, NO, 0, NO, 0, NO, 0, NO,
0, 0, YES, NO
NO, , NO, , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0
0, 180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
3, TAPERED , END-CEN BM(BC) , CT, 0, 0, 0, 0,
0, 0, 0, 0, YES, NO, NO, PSCI, 2, 2, PSC
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 0, YES, 0, YES, 0, YES, 0, NO, 0, NO, 0,
NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, 0, 0, YES, NO
NO, , NO, , , , , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0
0, 180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
0, 180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
4, TAPERED , CEN-END BM(BC) , CT, 0, 0, 0, 0,
0, 0, 0, 0, YES, NO, NO, PSCI, 2, 2, PSC
, , NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
YES, YES, 0, YES, 0, YES, 0, YES, 0, NO, 0, NO, 0,
NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, NO, 0, 0, 0, YES, NO
NO, , NO, , , , , , , ,
NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0
0, 180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
180, 100, 0, 0, 1270, 220, 0, 0, 230
100, 350, 0, 0, 330, 0, 0
0, 180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
180, 8, 0, 0, 1582, 0, 0, 0, 230
330, 350, 0, 0, 331, 0, 0
5, DBUSER , 단부가로보 , CT, 0, 0, 0, 0, 0,
0, YES, NO, SB , 2, 1770, 400, 0, 0, 0, 0, 0, 0, 0, 0
6, DBUSER , 중앙부가로보 , CT, 0, 0, 0, 0, 0, 0,
0, YES, NO, SB , 2, 1770, 300, 0, 0, 0, 0, 0, 0, 0, 0
7, DBUSER , 연속지점부가로보 , CT, 0, 0, 0, 0, 0,
0, 0, YES, NO, SB , 2, 1770, 650, 0, 0, 0, 0, 0, 0, 0, 0
*THICKNESS ; Thickness
; iTHK, NAME, TYPE, bSAME, THIK-IN, THIK-OUT,
bOFFSET, OFFTYPE, VALUE ; TYPE=VALUE
; iTHK, TYPE, SUBTYPE, RPOS, WEIGHT
; TYPE=STIFFENED, SUBTYPE=VALUE
; SHAPE, THIK-IN, THIK-OUT, HU, HL
; for yz section
; SHAPE, THIK-IN, THIK-OUT, HU, HL
; for xz section
; iTHK, TYPE, SUBTYPE, RPOS, PLATETHIK
; TYPE=STIFFENED, SUBTYPE=USER
; bRIB {, SHAPE, DIST, SIZE1, SIZE2, ..., SIZE6}
; for yz section
; bRIB {, SHAPE, DIST, SIZE2, SIZE2, ..., SIZE6}
; for xz section
; iTHK, TYPE, SUBTYPE, RPOS, PLATETHIK, DBNAME
; TYPE=STIFFENED, SUBTYPE=DB
; bRIB {, SHAPE, DIST, SNAME}

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; for yz section
; bRIB {, SHAPE, DIST, SNAME}
; for xz section
1, VALUE, 1, YES, 250, 0, YES, 1, 125
*THIK-COLOR
; iTHK, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G,
HE_B, bBLEND, FACT
1, 166, 202, 240, 0, 128, 128, 0, 43, 19, NO, 0.5
*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
PSC뎨 차중, D ,
바닥판 차중, D ,
합성후고정하중, USER,
LC1 , USER,
LC2 , USER,
LC3 , USER,
*SPRING ; Point Spring Supports
; NODE_LIST, Type, F_SDx, F_SDy, F_SDz, F_SRx, F_Sry,
F_SRz, SDx, SDy, SDz, SRx, Sry, SRz ...
; DAMPING, Cx, Cy, Cz, CRx, CRy, CRz,
GROUP, [DATA1] ; LINEAR
; NODE_LIST, Type, Direction, Vx, Vy, Vz, Stiffness, GROUP,
[DATA1] ; COMP, TENS
; NODE_LIST, Type, Direction, Vx, Vy, Vz, FUNCTION,
GROUP, [DATA1] ; MULTI
; [DATA1] EFFAREA, Kx, Ky, Kz
102to502by100 , LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
112to512by100 , LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
115to515by100 , LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
125to525by100 , LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
128to528by100 , LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
138to538by100, LINEAR, NO, NO, NO, NO, NO, NO, 1700,
1700, 1.36e+06, 0, 0, 0, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
*LOADTOMASS ; Load to Mass
; DIR, bNODAL, bBEAM, bFLOOR, bPRES, GRAV
; LCNAME1, FACTOR1, LCNAME2, FACTOR2, ... ; from line
1
XYZ, YES, YES, YES, YES, 9806
PSC뎨 차중, 1, 바닥판 차중, 1, 합성후고정하중, 1
*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, 150, 20, 1, 1e-10, NO, 0, 0, NO
*USE-STLD, PSC뎨 차중
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ,
GROUP, STRTYPENAME
105, 0, 0, -8554, 0, 0, 0, ,
106, 0, 0, -8554, 0, 0, 0, ,
107, 0, 0, -8554, 0, 0, 0, ,
108, 0, 0, -8554, 0, 0, 0, ,
109, 0, 0, -8554, 0, 0, 0, ,
118, 0, 0, -8554, 0, 0, 0, ,
119, 0, 0, -8554, 0, 0, 0, ,
120, 0, 0, -8554, 0, 0, 0, ,
121, 0, 0, -8554, 0, 0, 0, ,
122, 0, 0, -8554, 0, 0, 0, ,
131, 0, 0, -8554, 0, 0, 0, ,
132, 0, 0, -8554, 0, 0, 0, ,
133, 0, 0, -8554, 0, 0, 0, ,
134, 0, 0, -8554, 0, 0, 0, ,
135, 0, 0, -8554, 0, 0, 0, ,
205, 0, 0, -8554, 0, 0, 0, ,
206, 0, 0, -8554, 0, 0, 0, ,
207, 0, 0, -8554, 0, 0, 0, ,
208, 0, 0, -8554, 0, 0, 0, ,
209, 0, 0, -8554, 0, 0, 0, ,
218, 0, 0, -8554, 0, 0, 0, ,
219, 0, 0, -8554, 0, 0, 0, ,
220, 0, 0, -8554, 0, 0, 0, ,

```

[illegible]

[illegible]


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991, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
993, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
995, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
997, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
999, BEAM      , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
1001, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
1003, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
1005, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
1007, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
1009, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
1011, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
1013, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
1015, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
1017, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-5.363, 1, -5.363, 0, 0, 0, 0, , NO, 0, 0, NO,
1019, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1021, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1023, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1025, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1027, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1029, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1031, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1033, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1035, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1037, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1039, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1041, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-1.913, 1, -1.913, 0, 0, 0, 0, , NO, 0, 0, NO,
1043, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1045, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1047, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1049, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1051, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1053, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1055, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1057, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1059, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1061, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1063, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
1065, BEAM     , UNILoad, GZ, NO , NO, LY, , , , 0,
-10.356, 1, -10.356, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [합성후고정하중]

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*PNLOADTYPE ; Plane Load Type

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; NAME=NAME, TYPE(POINT/LINE/AREA), DESC
; CP_X=X1, X2, ...
; CP_Y=Y1, Y2, ...
; DATA=X1, Y1, F1, M1
; TYPE=POINT
; ...
; Xn, Yn, Fn, Mn
; DATA=bUNIFORM, TYPE, X1, Y1, L1, X2, Y2, L2
; TYPE=LINE
; DATA=bUNIFORM, b3PT, X1, Y1, L1, X2, Y2, L2, X3, Y3,
L3, X4, Y4, L4 ; TYPE=AREA
NAME=LC1, POINT,
DATA=71725, 9900, -38000, 0
71725, 8000, -38000, 0
74925, 9900, -49750, 0
74925, 8000, -49750, 0
76225, 9900, -49750, 0
76225, 8000, -49750, 0
NAME=LC2, POINT,
DATA=71725, 4550, -38000, 0
71725, 6450, -38000, 0
74925, 4550, -49750, 0
74925, 6450, -49750, 0
76225, 4550, -49750, 0
76225, 6450, -49750, 0
NAME=LC3, POINT,
DATA=71725, 1100, -38000, 0
71725, 3000, -38000, 0
74925, 1100, -49750, 0
74925, 3000, -49750, 0
76225, 1100, -49750, 0
76225, 3000, -49750, 0
*PLANELOAD ; Plane Loads
; LCNAME, LTNAME, ETYPE, GROUP
; 1st line
; ELEM-SEL, ELEM-GROUP, FACE, DIR, PROJ, DESC
; 2nd line
; OX, OY, OZ, XX, XY, XZ, YX, YY, YZ, TOL, bLAREA,
iNODE1, ... , iNODEn ; 3rd line
LC1, LC1, PLATE,
LPLANE, , 1, NLP, NO,
0, -5500, 0, 89900, -5500, 0, 89900, 5500, 0, 1, NO
LC2, LC2, PLATE,
LPLANE, , 1, NLP, NO,
0, -5500, 0, 89900, -5500, 0, 89900, 5500, 0, 1, NO
LC3, LC3, PLATE,
LPLANE, , 1, NLP, NO,
0, -5500, 0, 89900, -5500, 0, 89900, 5500, 0, 1, NO
*MVLDCODE ; Moving Load Code
; CODE=CODE
CODE=NONE
*LOADCOMB ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC,
iSERV-TYPE, nLCOMTYPE, nSEISTYPE, LcomFactor ; line 1
; ANAL1, LCNAME1, FACT1, ...
; from line 2
NAME=고정하중, GEN, ACTIVE, 0, 0, , 0, 0, 0, 1
ST, PSC빔 자중, 1, ST, 바닥판 자중, 1, ST, 합성후고정하
중, 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, 바닥판 자중, 0, 192, 128, 255, 128, 0, 160, 192, 255
CB, 고정하중, 255, 160, 255, 148, 87, 255, 0, 192, 128
ST, 합성후고정하중, 255, 0, 192, 85, 0, 192, 0, 157, 192
ST, PSC빔 자중, 160, 192, 255, 0, 192, 192, 192, 72, 0
ST, LC1, 192, 0, 128, 210, 210, 210, 160, 255, 255
ST, LC2, 93, 255, 87, 93, 255, 87, 255, 87, 87
ST, LC3, 0, 128, 57, 128, 192, 0, 255, 0, 128
*ANAL-CTRL
; bARDC, bANRC, iITER, TOL, bCSECF, bTRS, bCRBAR,
bTPF, bCSO, bSCS, bCLATS
YES, YES, 20, 0.001, YES, YES, YES, NO, NO, NO, NO,
NO
*DGN-MATL ; Modify Steel(Concrete) Material
; iMAT, TYPE, MNAME, [DATA1]
; STEEL
; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV,
SHORT, LONG ; CONC

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; 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,
bFCI, FCI
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1,
FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2,
AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5,
AL6, AL7, AL8, AL9, AL10
; MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
1, CONC , C40 , 1, KSCE-LSD15(RC),
,C40 , NO, 1, NO, 0, , , , 0, 0, 28, NO, 0, 0,
, 0, NO, 1, , , , 0, 0, 0
2, CONC , C27 , 1, KSCE-LSD15(RC),
,C27 , NO, 1, NO, 0, , , , 0, 0, 18.9, NO, 0, 0,
, 0, NO, 1, , , , 0, 0, 0
*SECTION MANAGER-GROUP & PART ; Section Manager
- Group & Part
; SECT = NO, bSAMEJ
; line 1
; GRPDJSIZE, GRPDJSIZE, PARTJSIZE
; line 2
; ..... ;
; LOOP UTIL (GRPDJSIZE, GRPDJSIZE)
;
; GROUPID, GROUPNAME, GROUPTYPE
; line n
; ..... ;
; LOOP UTIL (PARTJSIZE, PARTJSIZE)
;
; PARTTYPE, GROUPID, PARTNAME, PARTSHAPE,
bSTIFFENER ; line n
; LINESIZE, LINEINDEX[i].....
; line n
; ..... ;
SECT=3, YES
0, 0, 0, 0
SECT=4, YES
0, 0, 0, 0
*SECTION MANAGER-STIFFENER ; Section Manager -
Stiffener
; SECT = NO, bSAMEJ
; line 1
; STFNJSIZE, STFNJSIZE
; line 2
; ..... ;
; LOOP UTIL (STFNJSIZE, STFNJSIZE)
;
; TYPE, Z, STANDREF, POSLINE, STANDREFL, NUM,
CTC ; line n
; STIFFTYPE, dSIZE(0 ~ 20)
; line n
; LINESIZE, LINEINDEX[i].....
; line n
; ..... ;
SECT=3, YES
0, 0
SECT=4, YES
0, 0
*ENDDATA

```