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;   MIDAS/Civil Text(MCT) File.
;   Date : 2015/11/14
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*VERSION
   8.4.5

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

*STRUCTYPE      ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB, bROTRIGID
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; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300

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809, 131.099491549911, 2.47855984833837, 0
810, 131.600491549911, 2.49055984833837, 0

*ELEMENT ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, iOPT(EXVAL2) ; Frame Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, EXVAL2, bLMT ; Comp/Tens Truss
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID , LCAXIS ; Planar Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8 ; Solid Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL ; Frame(Ref. Point)
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3, BEAM , 1, 1, 3, 4, 0, 0
4, BEAM , 1, 1, 4, 5, 0, 0
5, BEAM , 1, 1, 5, 6, 0, 0
6, BEAM , 1, 1, 6, 7, 0, 0
7, BEAM , 1, 1, 7, 8, 0, 0

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11, BEAM , 1, 1, 11, 12, 0, 0
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13, BEAM , 1, 2, 13, 14, 0, 0
14, BEAM , 1, 2, 14, 15, 0, 0
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16, BEAM , 1, 2, 16, 17, 0, 0
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105,	BEAM	,	1,	1,	105,	106,	0,	0
106,	BEAM	,	1,	1,	106,	107,	0,	0
107,	BEAM	,	1,	1,	107,	108,	0,	0
108,	BEAM	,	1,	1,	108,	109,	0,	0
109,	BEAM	,	1,	1,	109,	110,	0,	0
110,	BEAM	,	1,	1,	110,	111,	0,	0
111,	BEAM	,	1,	1,	111,	112,	0,	0
112,	BEAM	,	1,	1,	112,	113,	0,	0
113,	BEAM	,	1,	1,	113,	114,	0,	0
114,	BEAM	,	1,	1,	114,	115,	0,	0
115,	BEAM	,	1,	10,	116,	117,	0,	0
116,	BEAM	,	1,	10,	117,	118,	0,	0
117,	BEAM	,	1,	10,	118,	119,	0,	0
118,	BEAM	,	1,	10,	119,	120,	0,	0
119,	BEAM	,	1,	10,	120,	121,	0,	0
120,	BEAM	,	1,	10,	121,	122,	0,	0
121,	BEAM	,	1,	10,	122,	123,	0,	0
122,	BEAM	,	1,	10,	123,	124,	0,	0
123,	BEAM	,	1,	10,	124,	125,	0,	0
124,	BEAM	,	1,	10,	125,	126,	0,	0
125,	BEAM	,	1,	10,	126,	127,	0,	0
126,	BEAM	,	1,	10,	127,	128,	0,	0
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128,	BEAM	,	1,	11,	129,	130,	0,	0
129,	BEAM	,	1,	11,	130,	131,	0,	0
130,	BEAM	,	1,	11,	131,	132,	0,	0
131,	BEAM	,	1,	11,	132,	133,	0,	0
132,	BEAM	,	1,	11,	133,	134,	0,	0
133,	BEAM	,	1,	11,	134,	135,	0,	0
134,	BEAM	,	1,	11,	135,	136,	0,	0
135,	BEAM	,	1,	11,	136,	137,	0,	0
136,	BEAM	,	1,	11,	137,	138,	0,	0
137,	BEAM	,	1,	11,	138,	139,	0,	0
138,	BEAM	,	1,	12,	139,	140,	0,	0
139,	BEAM	,	1,	12,	140,	141,	0,	0
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141,	BEAM	,	1,	12,	142,	143,	0,	0
142,	BEAM	,	1,	13,	143,	144,	0,	0
143,	BEAM	,	1,	13,	144,	145,	0,	0
144,	BEAM	,	1,	13,	145,	146,	0,	0
145,	BEAM	,	1,	13,	146,	147,	0,	0
146,	BEAM	,	1,	14,	147,	148,	0,	0
147,	BEAM	,	1,	14,	148,	149,	0,	0
148,	BEAM	,	1,	15,	149,	150,	0,	0

149,	BEAM	,	1,	15,	150,	151,	0,	0
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151,	BEAM	,	1,	15,	152,	153,	0,	0
152,	BEAM	,	1,	15,	153,	154,	0,	0
153,	BEAM	,	1,	15,	154,	155,	0,	0
154,	BEAM	,	1,	15,	155,	156,	0,	0
155,	BEAM	,	1,	15,	156,	157,	0,	0
156,	BEAM	,	1,	15,	157,	158,	0,	0
157,	BEAM	,	1,	16,	158,	159,	0,	0
158,	BEAM	,	1,	16,	159,	160,	0,	0
159,	BEAM	,	1,	16,	160,	161,	0,	0
160,	BEAM	,	1,	16,	161,	162,	0,	0
161,	BEAM	,	1,	17,	162,	163,	0,	0
162,	BEAM	,	1,	17,	163,	164,	0,	0
163,	BEAM	,	1,	17,	164,	165,	0,	0
164,	BEAM	,	1,	17,	165,	166,	0,	0
165,	BEAM	,	1,	17,	166,	167,	0,	0
166,	BEAM	,	1,	17,	167,	168,	0,	0
167,	BEAM	,	1,	18,	168,	169,	0,	0
168,	BEAM	,	1,	18,	169,	170,	0,	0
169,	BEAM	,	1,	18,	170,	171,	0,	0
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182,	BEAM	,	1,	17,	183,	184,	0,	0
183,	BEAM	,	1,	17,	184,	185,	0,	0
184,	BEAM	,	1,	17,	185,	186,	0,	0
185,	BEAM	,	1,	17,	186,	187,	0,	0
186,	BEAM	,	1,	17,	187,	188,	0,	0
187,	BEAM	,	1,	17,	188,	189,	0,	0
188,	BEAM	,	1,	16,	189,	190,	0,	0
189,	BEAM	,	1,	16,	190,	191,	0,	0
190,	BEAM	,	1,	16,	191,	192,	0,	0
191,	BEAM	,	1,	16,	192,	193,	0,	0
192,	BEAM	,	1,	15,	193,	194,	0,	0
193,	BEAM	,	1,	15,	194,	195,	0,	0
194,	BEAM	,	1,	15,	195,	196,	0,	0
195,	BEAM	,	1,	15,	196,	197,	0,	0

196,	BEAM	,	1,	15,	197,	198,	0,	0
197,	BEAM	,	1,	15,	198,	199,	0,	0
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201,	BEAM	,	1,	14,	202,	203,	0,	0
202,	BEAM	,	1,	13,	203,	204,	0,	0
203,	BEAM	,	1,	13,	204,	205,	0,	0
204,	BEAM	,	1,	13,	205,	206,	0,	0
205,	BEAM	,	1,	13,	206,	207,	0,	0
206,	BEAM	,	1,	12,	207,	208,	0,	0
207,	BEAM	,	1,	12,	208,	209,	0,	0
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209,	BEAM	,	1,	12,	210,	211,	0,	0
210,	BEAM	,	1,	11,	211,	212,	0,	0
211,	BEAM	,	1,	11,	212,	213,	0,	0
212,	BEAM	,	1,	11,	213,	214,	0,	0
213,	BEAM	,	1,	11,	214,	215,	0,	0
214,	BEAM	,	1,	11,	215,	216,	0,	0
215,	BEAM	,	1,	11,	216,	217,	0,	0
216,	BEAM	,	1,	11,	217,	218,	0,	0
217,	BEAM	,	1,	11,	218,	219,	0,	0
218,	BEAM	,	1,	11,	219,	220,	0,	0
219,	BEAM	,	1,	10,	220,	221,	0,	0
220,	BEAM	,	1,	10,	221,	222,	0,	0
221,	BEAM	,	1,	10,	222,	223,	0,	0
222,	BEAM	,	1,	10,	223,	224,	0,	0
223,	BEAM	,	1,	10,	224,	225,	0,	0
224,	BEAM	,	1,	10,	225,	226,	0,	0
225,	BEAM	,	1,	10,	226,	227,	0,	0
226,	BEAM	,	1,	10,	227,	228,	0,	0
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229,	BEAM	,	1,	10,	230,	231,	0,	0
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231,	BEAM	,	1,	10,	233,	234,	0,	0
232,	BEAM	,	1,	10,	234,	235,	0,	0
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236,	BEAM	,	1,	10,	238,	239,	0,	0
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244,	BEAM	,	1,	11,	246,	247,	0,	0
245,	BEAM	,	1,	11,	247,	248,	0,	0
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*GROUP     ; Group
;  NAME,  NODE_LIST,  ELEM_LIST,  PLANE_TYPE
   Lateral    , 2 4to19by5 23 27 31to736by235 33 37 39 43to154by37 47to62by5 66 ₩
        70to316by82 74 76 83to107by4 110 114to465by117 119 123to138by5 ₩
        142to661by173 146 150 155to167by4 172 177 182to194by4 196to198 ₩
        202to226by4 229 236 239 243to258by5 262 270 272to611by113 273 ₩
        275to287by4 292 297 302to314by4 318to346by4 351 355 358 362to377by5 381 ₩
        388 391 393to405by4 410 415 420 424 428 430 434 436to460by4 462 ₩
        469to484by5 492 496 504 508 512to527by5 531 535 539 541 544to572by4 ₩
        575to584by3 588to603by5 607 615 618 620to632by4 637 642 647to659by4 ₩
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        663to691by4 694to703by3 707to722by5 726 730 734 738to750by4 755 760 765 ₩
        769 773 776 779 781to809by4, 804to983, 0
   ExGirder    , 1to115 350to463, 1to114 347to459, 0
   InGirder    , 116to349, 115to346, 0
   analysis    , , 804 807 809to825 828to858 861 863to924 927 929to979 981 983, 0
   A-A         , 17 132 249 365, 16to361by115 17 130 247 362, 0
   B-B         , 36 153 271 387, 35 36to384by116 151 269 383, 0
   C-C         , 59 176 293 407, 58 59 174 175 290 291 403 404, 0

*MATERIAL     ; Material
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1]              ; STEEL, CONC, USE
R
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2] ; SRC
; [DATA1] : 1, DB, NAME, CODE
; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS    ; Orthotropic
; [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN, THERMAL, DEN, MASS
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     2, STEEL, SM490              , 0, 0, , C, NO, 0.02, 1, KS10-Civil(S),              , SM490
     3, STEEL, SM400              , 0, 0, , C, NO, 0.02, 2, 2.0500e+009,    0.3, 1.2000e-005, 76.98,      0
     4, STEEL, SM400              , 0, 0, , C, NO, 0.02, 2, 2.0500e+009,    0.3, 1.2000e-005, 76.98,      0

*MATL-COLOR
; iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
     1,    0,    0, 255,  166, 202, 240,    0,    0, 255,   NO, 0.5
     2,    0,    0, 255,  166, 202, 240,    0,    0, 255,   NO, 0.5
     3, 128, 128,    0,  192, 220, 192,  128, 128,    0,   NO, 0.5
     4, 128, 128,    0,  192, 220, 192,  128, 128,    0,   NO, 0.5


*SECTION     ; Section
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2]                    ; 1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, 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, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st line - SRC
;        D1, D2, [SRC]                                                        ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2         ; 1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE                ; 1st line - TAPERED
;        DB, NAME1, NAME2                                                     ; 2nd line(STYPE=DB)
;        [DIM1], [DIM2]                                                       ; 2nd line(STYPE=USER)
;         D11, D12, D13, D14, D15, D16, D17, D18                              ; 2nd line(STYPE=VALUE)
;         AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1                                 ; 3rd line(STYPE=VALUE)
;          CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1  ; 4th line(STYPE=VALUE)
;         Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2                  ; 5th line(STYPE=VALUE)
```

```
;        D21, D22, D23, D24, D25, D26, D27, D28                          ; 6th line(STYPE=VALUE)
;        AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2                            ; 7th line(STYPE=VALUE)
;         CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2        ; 8th line(STYPE=VALUE)
;        Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2              ; 9th line(STYPE=VALUE)
;        OPT1, OPT2, [JOINT]                                            ; 2nd line(STYPE=PSC)
;        ELAST, DEN, POIS, POIC, THERMAL                                ; 2nd line(STYPE=PSC-CMPW)
;         bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd line(STYPE=PSC)
;         bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J]                ; 3rd line(STYPE=PSC-CMPW)
;         bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J]          ; 4th line(STYPE=PSC)
;        [SIZE-A]-i                                                     ; 5th line(STYPE=PSC)
;        [SIZE-B]-i                                                     ; 6th line(STYPE=PSC)
;        [SIZE-C]-i                                                     ; 7th line(STYPE=PSC)
;        [SIZE-D]-i                                                     ; 8th line(STYPE=PSC)
;        [SIZE-A]-j                                                     ; 9th line(STYPE=PSC)
;        [SIZE-B]-j                                                     ; 10th line(STYPE=PSC)
;        [SIZE-C]-j                                                     ; 11th line(STYPE=PSC)
;        [SIZE-D]-j                                                     ; 12th line(STYPE=PSC)
;         GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S          ; 2nd line(STYPE=CMP-B/I)
;         SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i                  ; 3rd line(STYPE=CMP-B/I)
;         SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j                  ; 4th line(STYPE=CMP-B/I)
;        N1, N2, Hr, Hr2, tr1, tr2                                      ; 5th line(STYPE=CMP-B)
;         GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j          ; 2nd line(STYPE=CMP-CI/CT)
;        OPT1, OPT2, [JOINT]                                            ; 3rd line(STYPE=CMP-CI/CT)
;        [SIZE-A]-i                                                     ; 4th line(STYPE=CMP-CI/CT)
;        [SIZE-B]-i                                                     ; 5th line(STYPE=CMP-CI/CT)
;        [SIZE-C]-i                                                     ; 6th line(STYPE=CMP-CI/CT)
;        [SIZE-D]-i                                                     ; 7th line(STYPE=CMP-CI/CT)
;        [SIZE-A]-j                                                     ; 8th line(STYPE=CMP-CI/CT)
;        [SIZE-B]-j                                                     ; 9th line(STYPE=CMP-CI/CT)
;        [SIZE-C]-j                                                     ; 10th line(STYPE=CMP-CI/CT)
;        [SIZE-D]-j                                                     ; 11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, 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, SHAPE                               ; 1st line - COMPOSITE-SB
;        Hw, tw, B, Bf1, tf1, B2, Bf2, tf2                              ; 2nd line
;        N1, N2, Hr, Hr2, tr1, tr2                                      ; 3rd line
;         SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh          ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                               ; 1st line - COMPOSITE-SI
;        Hw, tw, B, tf1, B2, tf2                                        ; 2nd line
;         SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh          ; 3rd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, 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
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;        SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb              ; 7th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                               ; 1st line - PSC
;        OPT1, OPT2, [JOINT]                                            ; 2nd line
;         bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE                ; 3rd line
;         bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF]             ; 4th line
;        [SIZE-A]                                                       ; 5th line
;        [SIZE-B]                                                       ; 6th line
;        [SIZE-C]                                                       ; 7th line
;        [SIZE-D]                                                       ; 8th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC]   : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [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
  1, COMPOSITE , EX-A              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.014, 2, 0.1, 0.014
     1, 0, 0, 0, 2, 5
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     2, 0.67, 0, NO, 0.66, 0, NO
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     20.5, 4, 5.5,    4.75, 0.25, 0.036,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  2, COMPOSITE , EX-B              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.016, 2, 0.1, 0.016
     1, 0, 0, 0, 2, 5
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     2, 0.67, 0, NO, 0.66, 0, NO
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     20.5, 4, 5.5,    4.75, 0.25, 0.034,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  3, COMPOSITE , EX-C              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
     1, 0, 0, 0, 2, 5
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
```



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     0
     2, 0.67, 0, NO, 0.66, 0, NO
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     20.5, 4, 5.5,    4.75, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  4, COMPOSITE , EX-D              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
     1, 0, 0, 0, 5, 5
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     20.5, 4, 5.5,    4.75, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  5, COMPOSITE , EX-E              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
     1, 0, 0, 0, 5, 2
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     2, 0.67, 0, NO, 0.66, 0, NO
     20.5, 4, 5.5,    4.75, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  6, COMPOSITE , EX-F              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.024, 2, 0.1, 0.024
     1, 0, 0, 0, 5, 2
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     2, 0.67, 0, NO, 0.66, 0, NO
     20.5, 4, 5.5,    4.75, 0.25, 0.026,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  7, COMPOSITE , EX-G              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
     1, 0, 0, 0, 5, 2
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     2, 0.67, 0, NO, 0.66, 0, NO
     20.5, 4, 5.5,    4.75, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  8, COMPOSITE , EX-H              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
     1, 0, 0, 0, 5, 5
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
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     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     20.5, 4, 5.5,    4.75, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  9, COMPOSITE , EX-I              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.014, 2, 0.1, 0.014
     1, 0, 0, 0, 2, 5
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     2, 0.67, 0, NO, 0.66, 0, NO
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     20.5, 4, 5.5,    4.75, 0.25, 0.036,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 10, COMPOSITE , IN-A              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.014, 2, 0.1, 0.014
     1, 0, 0, 0, 2, 5
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     2, 0.67, 0, NO, 0.66, 0, NO
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     20.5, 4, 5.5,    5.5, 0.25, 0.036,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 11, COMPOSITE , IN-B              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.016, 2, 0.1, 0.016
     1, 0, 0, 0, 2, 5
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     2, 0.67, 0, NO, 0.66, 0, NO
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     20.5, 4, 5.5,    5.5, 0.25, 0.034,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 12, COMPOSITE , IN-C              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
     1, 0, 0, 0, 2, 5
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     2, 0.67, 0, NO, 0.66, 0, NO
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     20.5, 4, 5.5,    5.5, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 13, COMPOSITE , IN-D              , CC, 0, 0, 0, 0, 0, 0, YES, B
     2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
     1, 0, 0, 0, 5, 5
     1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
     0
     0
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
     20.5, 4, 5.5,    5.5, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
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  14, COMPOSITE , IN-E                , CC, 0, 0, 0, 0, 0, 0, YES, B
      2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
      1, 0, 0, 0, 5, 2
      1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
      2, 0.67, 0, NO, 0.66, 0, NO
      20.5, 4, 5.5,    5.5, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  15, COMPOSITE , IN-F                , CC, 0, 0, 0, 0, 0, 0, YES, B
      2.2, 0.012, 2, 0.1, 0.024, 2, 0.1, 0.024
      1, 0, 0, 0, 5, 2
      1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
      2, 0.67, 0, NO, 0.66, 0, NO
      20.5, 4, 5.5,    5.5, 0.25, 0.026,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  16, COMPOSITE , IN-G                , CC, 0, 0, 0, 0, 0, 0, YES, B
      2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
      1, 0, 0, 0, 5, 2
      1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
      2, 0.67, 0, NO, 0.66, 0, NO
      20.5, 4, 5.5,    5.5, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  17, COMPOSITE , IN-H                , CC, 0, 0, 0, 0, 0, 0, YES, B
      2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
      1, 0, 0, 0, 5, 5
      1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
      5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
      20.5, 4, 5.5,    5.5, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  18, COMPOSITE , IN-I                , CC, 0, 0, 0, 0, 0, 0, YES, B
      2.2, 0.012, 2, 0.1, 0.014, 2, 0.1, 0.014
      1, 0, 0, 0, 2, 5
      1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
      2, 0.67, 0, NO, 0.66, 0, NO
      5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
      20.5, 4, 5.5,    5.5, 0.25, 0.036,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  19, DBUSER     , Stringer           , CT, 0, 0, 0, 0, 1, 0.114, YES, H   , 2, 0.828, 0.3, 0.012, 0.014, 0, 0, 0, 0, 0, 0
  20, DBUSER     , Cross1             , CT, 0, 0, 0, 0, 1, 0.564, YES, H   , 2, 1.728, 0.3, 0.014, 0.014, 0, 0, 0, 0, 0, 0
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  21, DBUSER     , Cross2             , CT, 0, 0, 0, 0, 1, 0.364, YES, H   , 2, 1.328, 0.3, 0.014, 0.014, 0, 0, 0, 0, 0, 0

*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
    1, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
    2, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
    3, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
    4, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
    5, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
    6, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
    7, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
    8, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
    9, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   10, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   11, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   12, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   13, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   14, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   15, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   16, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   17, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   18, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   19, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   20, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5
   21, 255,    0,    0,    0, 255,    0,    0,    0, 255,  NO, 0.5

*COMP-GEN-SECT-PSC-DESIGN      ; Composite Section for PSC Design
; ELEM, (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
    5, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
    6, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
    7, 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
   12, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   13, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   14, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   15, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   16, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   17, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
   18, NO,  0, 0, 0, 0, 0, 0, 0,  0, 0, 0, 0, 0, 0, 0
```



```
*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2]                    ; 1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, 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, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st line - SRC
;       D1, D2, [SRC]                                                          ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2          ; 1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE                 ; 1st line - TAPERED
;       DB, NAME1, NAME2                                                       ; 2nd line(STYPE=DB)
;       [DIM1], [DIM2]                                                         ; 2nd line(STYPE=USER)
;       D11, D12, D13, D14, D15, D16, D17, D18                                 ; 2nd line(STYPE=VALUE)
;       AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1                                    ; 3rd line(STYPE=VALUE)
;       CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1      ; 4th line(STYPE=VALUE)
;       Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2                     ; 5th line(STYPE=VALUE)
;       D21, D22, D23, D24, D25, D26, D27, D28                                 ; 6th line(STYPE=VALUE)
;       AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2                                    ; 7th line(STYPE=VALUE)
;       CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2      ; 8th line(STYPE=VALUE)
;       Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2                     ; 9th line(STYPE=VALUE)
;       OPT1, OPT2, [JOINT]                                                    ; 2nd line(STYPE=PSC)
;       ELAST, DEN, POIS, POIC, THERMAL                                        ; 2nd line(STYPE=PSC-CMPW)
;       bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd line(STYPE=PSC)
;       bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J]                        ; 3rd line(STYPE=PSC-CMPW)
;       bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J]        ; 4th line(STYPE=PSC)
;       [SIZE-A]-i                                                             ; 5th line(STYPE=PSC)
;       [SIZE-B]-i                                                             ; 6th line(STYPE=PSC)
;       [SIZE-C]-i                                                             ; 7th line(STYPE=PSC)
;       [SIZE-D]-i                                                             ; 8th line(STYPE=PSC)
;       [SIZE-A]-j                                                             ; 9th line(STYPE=PSC)
;       [SIZE-B]-j                                                             ; 10th line(STYPE=PSC)
;       [SIZE-C]-j                                                             ; 11th line(STYPE=PSC)
;       [SIZE-D]-j                                                             ; 12th line(STYPE=PSC)
;       GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S        ; 2nd line(STYPE=CMP-B/I)
;       SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i                ; 3rd line(STYPE=CMP-B/I)
;       SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j                ; 4th line(STYPE=CMP-B/I)
;       N1, N2, Hr, Hr2, tr1, tr2                                              ; 5th line(STYPE=CMP-B)
;       GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j        ; 2nd line(STYPE=CMP-CI/CT)
;       OPT1, OPT2, [JOINT]                                                    ; 3rd line(STYPE=CMP-CI/CT)
;       [SIZE-A]-i                                                             ; 4th line(STYPE=CMP-CI/CT)
;       [SIZE-B]-i                                                             ; 5th line(STYPE=CMP-CI/CT)
;       [SIZE-C]-i                                                             ; 6th line(STYPE=CMP-CI/CT)
;       [SIZE-D]-i                                                             ; 7th line(STYPE=CMP-CI/CT)
;       [SIZE-A]-j                                                             ; 8th line(STYPE=CMP-CI/CT)
;       [SIZE-B]-j                                                             ; 9th line(STYPE=CMP-CI/CT)
;       [SIZE-C]-j                                                             ; 10th line(STYPE=CMP-CI/CT)
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;       [SIZE-D]-j                                                             ; 11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, 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, SHAPE                                      ; 1st line - COMPOSITE-SB
;       Hw, tw, B, Bf1, tf1, B2, Bf2, tf2                                      ; 2nd line
;       N1, N2, Hr, Hr2, tr1, tr2                                              ; 3rd line
;       SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh        ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                                      ; 1st line - COMPOSITE-SI
;       Hw, tw, B, tf1, B2, tf2                                                ; 2nd line
;       SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh        ; 3rd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, 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, SHAPE                                      ; 1st line - PSC
;       OPT1, OPT2, [JOINT]                                                    ; 2nd line
;       bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE                        ; 3rd line
;       bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF]                     ; 4th line
;       [SIZE-A]                                                               ; 5th line
;       [SIZE-B]                                                               ; 6th line
;       [SIZE-C]                                                               ; 7th line
;       [SIZE-D]                                                               ; 8th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC]   : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [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
  1, COMPOSITE , EX-A                , CC, 0, 0, 0, 0, 0, 0, YES, B
      2.2, 0.012, 2, 0.1, 0.014, 2, 0.1, 0.014
      1, 0, 0, 0, 2, 5
      1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
      0
      0
```

```
    2, 0.67, 0, NO, 0.66, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    4.75, 0.25, 0.036,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  2, COMPOSITE , EX-B                  , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.016, 2, 0.1, 0.016
    1, 0, 0, 0, 2, 5
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    2, 0.67, 0, NO, 0.66, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    4.75, 0.25, 0.034,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  3, COMPOSITE , EX-C                  , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
    1, 0, 0, 0, 2, 5
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    2, 0.67, 0, NO, 0.66, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    4.75, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  4, COMPOSITE , EX-D                  , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
    1, 0, 0, 0, 5, 5
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    4.75, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  5, COMPOSITE , EX-E                  , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
    1, 0, 0, 0, 5, 2
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    2, 0.67, 0, NO, 0.66, 0, NO
    20.5, 4, 5.5,    4.75, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  6, COMPOSITE , EX-F                  , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.024, 2, 0.1, 0.024
    1, 0, 0, 0, 5, 2
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    2, 0.67, 0, NO, 0.66, 0, NO
```



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    20.5, 4, 5.5,    4.75, 0.25, 0.026,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  7, COMPOSITE , EX-G                  , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
    1, 0, 0, 0, 5, 2
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    2, 0.67, 0, NO, 0.66, 0, NO
    20.5, 4, 5.5,    4.75, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  8, COMPOSITE , EX-H                  , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
    1, 0, 0, 0, 5, 5
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    4.75, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  9, COMPOSITE , EX-I                  , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.014, 2, 0.1, 0.014
    1, 0, 0, 0, 2, 5
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    2, 0.67, 0, NO, 0.66, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    4.75, 0.25, 0.036,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  10, COMPOSITE , IN-A                 , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.014, 2, 0.1, 0.014
    1, 0, 0, 0, 2, 5
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    2, 0.67, 0, NO, 0.66, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    5.5, 0.25, 0.036,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  11, COMPOSITE , IN-B                 , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.016, 2, 0.1, 0.016
    1, 0, 0, 0, 2, 5
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    2, 0.67, 0, NO, 0.66, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    5.5, 0.25, 0.034,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  12, COMPOSITE , IN-C                 , CC, 0, 0, 0, 0, 0, 0, YES, B
```



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    2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
    1, 0, 0, 0, 2, 5
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    2, 0.67, 0, NO, 0.66, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    5.5, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  13, COMPOSITE , IN-D                 , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
    1, 0, 0, 0, 5, 5
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    5.5, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  14, COMPOSITE , IN-E                 , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
    1, 0, 0, 0, 5, 2
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    2, 0.67, 0, NO, 0.66, 0, NO
    20.5, 4, 5.5,    5.5, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  15, COMPOSITE , IN-F                 , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.024, 2, 0.1, 0.024
    1, 0, 0, 0, 5, 2
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    2, 0.67, 0, NO, 0.66, 0, NO
    20.5, 4, 5.5,    5.5, 0.25, 0.026,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  16, COMPOSITE , IN-G                 , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
    1, 0, 0, 0, 5, 2
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    2, 0.67, 0, NO, 0.66, 0, NO
    20.5, 4, 5.5,    5.5, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  17, COMPOSITE , IN-H                 , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.018, 2, 0.1, 0.018
    1, 0, 0, 0, 5, 5
```



```
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    5.5, 0.25, 0.032,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  18, COMPOSITE , IN-I                 , CC, 0, 0, 0, 0, 0, 0, YES, B
    2.2, 0.012, 2, 0.1, 0.014, 2, 0.1, 0.014
    1, 0, 0, 0, 2, 5
    1, Rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
    0
    0
    2, 0.67, 0, NO, 0.66, 0, NO
    5, 0.34, 0, NO, 0.33, 0, NO, 0.33, 0, YES, 0.33, 0, NO, 0.34, 0, NO
    20.5, 4, 5.5,    5.5, 0.25, 0.036,    7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
  19, DBUSER     , Stringer          , CT, 0, 0, 0, 0, 1, 0.114, YES, H  , 2, 0.828, 0.3, 0.012, 0.014, 0, 0, 0, 0, 0, 0
  20, DBUSER     , Cross1            , CT, 0, 0, 0, 0, 1, 0.564, YES, H  , 2, 1.728, 0.3, 0.014, 0.014, 0, 0, 0, 0, 0, 0
  21, DBUSER     , Cross2            , CT, 0, 0, 0, 0, 1, 0.364, YES, H  , 2, 1.328, 0.3, 0.014, 0.014, 0, 0, 0, 0, 0, 0


*STLDCASE     ; Static Load Cases
; LCNAME, LCTYPE, DESC
   Self Weight, D ,
   Deck , D ,
   2nd Dead, D ,
   Unit , USER,
   MVminLC4Dz356, USER,


*LOCALAXIS     ; Node Local Axis
; NODE_LIST, iMETHOD, ANGLE-x, ANGLE-y, ANGLE-z                    ; iMETHOD=1
; NODE_LIST, iMETHOD, P0X, P0Y, P0Z, P1X, P1Y, P1Z, P2X, P2Y, P2Z   ; iMETHOD=2
; NODE_LIST, iMETHOD, V1X, V1Y, V1Z, V2X, V2Y, V2Z                  ; iMETHOD=3
     2, 1, 0, 0, -1.371
    37, 1, 0, 0, -0.465
    80, 1, 0, 0, 0.673
   114, 1, 0, 0, 1.566
   117, 1, 0, 0, -1.444
   154, 1, 0, 0, -0.538
   197, 1, 0, 0, 0.591
   231, 1, 0, 0, 1.495
   234, 1, 0, 0, -1.517
   272, 1, 0, 0, -0.611
   315, 1, 0, 0, 0.526
   348, 1, 0, 0, 1.424
   351, 1, 0, 0, -1.589
   388, 1, 0, 0, -0.683
```

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   430, 1, 0, 0, 0.449
   462, 1, 0, 0, 1.353

*CONSTRAINT      ; Supports
;  NODE_LIST,  CONST(Dx,Dy,Dz,Rx,Ry,Rz),  GROUP
   197,  111000,
   80  315  430,  101000,
   117  154  231,  011000,
   2  37  114  234  272  348  351  388  462,  001000,

;  *LOADTOMASS,  DIR,  bNODAL,  bBEAM,  bFLOOR,  bPRES,  GRAV
;       LCNAME1,  FACTOR1,  LCNAME2,  FACTOR2,  ...    ; from line 1
*LOADTOMASS,  Z,  YES,  YES,  YES,  YES,  9.806
   2nd  Dead,  1

*USE-STLD,  Self  Weight

;  *SELFWEIGHT,  X,  Y,  Z,  GROUP
*SELFWEIGHT,  0,  0,  -1.4074,

;  End  of  data  for  load  case  [Self  Weight]  ------------------------

*USE-STLD,  Deck

*BEAMLOAD      ; Element  Beam  Loads
;  ELEM_LIST,  CMD,  TYPE,  DIR,  bPROJ,  [ECCEN],  [VALUE],  GROUP
;  ELEM_LIST,  CMD,  TYPE,  TYPE,  DIR,  VX,  VY,  VZ,  bPROJ,  [ECCEN],  [VALUE],  GROUP
;  [VALUE]          : D1,  P1,  D2,  P2,  D3,  P3,  D4,  P4
;  [ECCEN]          : bECCEN,  ECCDIR,  I-END,  J-END,  bJ-END
;  [ADDITIONAL]    : bADDITIONAL,  ADDITIONAL_I-END,  ADDITIONAL_J-END,  bADDITIONAL_J-END
    1,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
    2,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
    3,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
    4,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
    5,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
    6,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
    7,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
    8,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
    9,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   10,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   11,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   12,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   13,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   14,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   15,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   16,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   17,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
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   18,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   19,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   20,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   21,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   22,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   23,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   24,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   25,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   26,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   27,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   28,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   29,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   30,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   31,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   32,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   33,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   34,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   35,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   36,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   37,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   38,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   39,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   40,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   41,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   42,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   43,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   44,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   45,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   46,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   47,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   48,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   49,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   50,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   51,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   52,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   53,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   54,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   55,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   56,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   57,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   58,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   59,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   60,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   61,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   62,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   63,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   64,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
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   65,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   66,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   67,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   68,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   69,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   70,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   71,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   72,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   73,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   74,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   75,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   76,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   77,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   78,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   79,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   80,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   81,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   82,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   83,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   84,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   85,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   86,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   87,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   88,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   89,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   90,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   91,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   92,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   93,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   94,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   95,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   96,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   97,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   98,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
   99,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  100,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  101,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  102,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  103,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  104,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  105,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  106,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  107,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  108,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  109,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  110,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  111,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
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  112,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  113,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  114,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  0.044,  0.044,  YES,  0,  -29.036,  1,  -29.036,  0,  0,  0,  0,  ,  NO,  0,  0,  NO,
  115,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  116,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
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  117,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
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  118,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  119,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  120,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  121,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  122,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  123,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  124,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
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  125,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
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  126,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
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  127,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  128,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  129,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  130,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  131,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
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  132,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
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  133,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
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  134,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
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  135,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
,
  136,  BEAM    ,  UNILOAD,  GZ,  NO  ,  YES,  1,  GY,  -0.046,  -0.046,  YES,  0,  -28.356,  1,  -28.356,  0,  0,  0,  0,  ,  NO,  0,  0,  NO
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137, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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138, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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139, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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140, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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141, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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142, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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143, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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144, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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145, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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146, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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147, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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148, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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149, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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150, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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151, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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152, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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153, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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154, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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155, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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156, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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157, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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158, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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159, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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160, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO

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161, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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162, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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163, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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164, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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165, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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166, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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167, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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168, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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169, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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170, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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172, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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173, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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174, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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175, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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176, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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177, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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178, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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179, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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180, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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181, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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182, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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183, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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184, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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186, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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226, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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227, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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228, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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229, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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230, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.046, -0.046, YES, 0, -28.356, 1, -28.356, 0, 0, 0, 0, , NO, 0, 0, NO
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231, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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232, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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233, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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241, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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243, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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244, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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254, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO

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255, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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290, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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291, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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292, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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293, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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294, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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295, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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296, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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297, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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307, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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309, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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310, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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311, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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312, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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313, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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314, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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315, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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317, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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318, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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319, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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320, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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321, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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322, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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332, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, -0.039, -0.039, YES, 0, -28.366, 1, -28.366, 0, 0, 0, 0, , NO, 0, 0, NO
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347, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, -0.121, -0.121, YES, 0, -29.17, 1, -29.17, 0, 0, 0, 0, , NO, 0, 0, NO,
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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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397, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, -0.121, -0.121, YES, 0, -29.17, 1, -29.17, 0, 0, 0, 0, , NO, 0, 0, NO,
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408, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, -0.121, -0.121, YES, 0, -29.17, 1, -29.17, 0, 0, 0, 0, , NO, 0, 0, NO,
409, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, -0.121, -0.121, YES, 0, -29.17, 1, -29.17, 0, 0, 0, 0, , NO, 0, 0, NO,
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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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444, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, -0.121, -0.121, YES, 0, -29.17, 1, -29.17, 0, 0, 0, 0, , NO, 0, 0, NO,
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; End of data for load case [Deck] -------------------------

*USE-STLD, 2nd Dead

*BEAMLOAD     ; Element Beam Loads
; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE]        : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN]        : bECCEN, ECCDIR, I-END, J-END, bJ-END
; [ADDITIONAL]   : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
    1, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
    2, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
    3, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
    4, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
    5, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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    6, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
    7, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
    8, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
    9, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   10, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   11, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   12, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   13, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   14, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   15, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   16, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   17, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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   20, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   21, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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   25, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   26, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   27, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
   28, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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53, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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61, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
62, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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91, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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99, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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100, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
101, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
102, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
103, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
104, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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107, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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109, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
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111, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
112, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
113, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
114, BEAM , UNILOAD, GZ, NO , YES, 1, GY, 1.173, 1.173, YES, 0, -12.853, 1, -12.853, 0, 0, 0, 0, , NO, 0, 0, NO,
115, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.098, -0.098, YES, 0, -6.716, 1, -6.716, 0, 0, 0, 0, , NO, 0, 0, NO,
116, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.098, -0.098, YES, 0, -6.716, 1, -6.716, 0, 0, 0, 0, , NO, 0, 0, NO,
117, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.098, -0.098, YES, 0, -6.716, 1, -6.716, 0, 0, 0, 0, , NO, 0, 0, NO,
118, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.098, -0.098, YES, 0, -6.716, 1, -6.716, 0, 0, 0, 0, , NO, 0, 0, NO,
119, BEAM , UNILOAD, GZ, NO , YES, 1, GY, -0.098, -0.098, YES, 0, -6.716, 1, -6.716, 0, 0, 0, 0, , NO, 0, 0, NO,
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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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241, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
242, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
243, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
244, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
245, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
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247, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
248, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
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250, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
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285, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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288, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
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295, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
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311, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
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332, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
333, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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335, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, 0.064, 0.064, YES, 0, -6.736, 1, -6.736, 0, 0, 0, 0, , NO, 0, 0, NO,
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353, BEAM    , UNILOAD, GZ, NO , YES, 1, GY, -1.158, -1.158, YES, 0, -13.217, 1, -13.217, 0, 0, 0, 0, , NO, 0, 0, NO
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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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PROJECT TITLE :

Company		Client	
Author		File Name	신계1교-안전성검토

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743, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
744, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
745, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
746, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
747, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
748, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
749, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
750, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
751, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
752, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
753, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
754, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
755, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
756, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
757, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
758, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
759, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
760, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
761, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
762, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
763, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
764, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
765, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
766, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
767, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
768, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
769, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
770, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
771, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
772, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
773, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
774, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
775, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
776, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
777, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
778, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
779, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
780, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
781, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
782, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
783, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
784, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
785, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
```



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786, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
787, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
788, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
789, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
790, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
791, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
792, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
793, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
794, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
795, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
796, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
797, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
798, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
799, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
800, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
801, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
802, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,
803, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -4.317, 1, -4.317, 0, 0, 0, 0, , NO, 0, 0, NO,

; End of data for load case [2nd Dead] ------------------------

*USE-STLD, Unit

*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
    2, BEAM    , CONMOMENT, LY, NO , NO, aDir[1], , , , 0, 1, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  113, BEAM    , CONMOMENT, LY, NO , NO, aDir[1], , , , 1, -1, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  116, BEAM    , CONMOMENT, LY, NO , NO, aDir[1], , , , 0, 1, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  229, BEAM    , CONMOMENT, LY, NO , NO, aDir[1], , , , 1, -1, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  232, BEAM    , CONMOMENT, LY, NO , NO, aDir[1], , , , 0, 1, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  345, BEAM    , CONMOMENT, LY, NO , NO, aDir[1], , , , 1, -1, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  348, BEAM    , CONMOMENT, LY, NO , NO, aDir[1], , , , 0, 1, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  458, BEAM    , CONMOMENT, LY, NO , NO, aDir[1], , , , 1, -1, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,

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

*USE-STLD, MVminLC4Dz356

*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
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; [ADDITIONAL]   : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
  360, BEAM    , CONLOAD, GZ, NO , NO, aDir[1], , , , 0, -99.97, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  360, BEAM    , CONMOMENT, LX, NO , NO, aDir[1], , , , 0, -112.466, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  361, BEAM    , CONLOAD, GZ, NO , NO, aDir[1], , , , 0.049828, -99.97, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  361, BEAM    , CONMOMENT, LX, NO , NO, aDir[1], , , , 0.049828, -112.466, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  364, BEAM    , CONMOMENT, LX, NO , NO, aDir[1], , , , 0.588174, -79.0425, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,
  364, BEAM    , CONLOAD, GZ, NO , NO, aDir[1], , , , 0.588174, -70.26, 0, 0, 0, 0, 0, 0, , NO, 0, 0, NO,

; End of data for load case [MVminLC4Dz356] ------------------------

*MVLDCODE     ; Moving Load Code
; CODE=CODE
  CODE=KOREA

*LINELANE     ; Traffic Line Lanes
; NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, LW, WS, bLANEOPT ; line 1
;       iELEM1, ECC1, FACT1, bSPAN1, ECCVL...                    ; from line 2
  NAME=DL1, CROSS, Lateral, 0, 0, BOTH, 3, 1.8, NO
        231, -1, 0.189, YES, 0,    232, -1, 0.189, NO, 0
        233, -1, 0.189, NO, 0,    234, -1, 0.189, NO, 0
        235, -1, 0.189, NO, 0,    236, -1, 0.189, NO, 0
        237, -1, 0.189, NO, 0,    238, -1, 0.189, NO, 0
        239, -1, 0.189, NO, 0,    240, -1, 0.189, NO, 0
        241, -1, 0.189, NO, 0,    242, -1, 0.189, NO, 0
        243, -1, 0.189, NO, 0,    244, -1, 0.189, NO, 0
        245, -1, 0.189, NO, 0,    246, -1, 0.189, NO, 0
        247, -1, 0.189, NO, 0,    248, -1, 0.189, NO, 0
        249, -1, 0.189, NO, 0,    250, -1, 0.189, NO, 0
        251, -1, 0.189, NO, 0,    252, -1, 0.189, NO, 0
        253, -1, 0.189, NO, 0,    254, -1, 0.189, NO, 0
        255, -1, 0.189, NO, 0,    256, -1, 0.189, NO, 0
        257, -1, 0.189, NO, 0,    258, -1, 0.189, NO, 0
        259, -1, 0.189, NO, 0,    260, -1, 0.189, NO, 0
        261, -1, 0.189, NO, 0,    262, -1, 0.189, NO, 0
        263, -1, 0.177, NO, 0,    264, -1, 0.177, NO, 0
        265, -1, 0.177, NO, 0,    266, -1, 0.177, NO, 0
        267, -1, 0.177, NO, 0,    268, -1, 0.177, NO, 0
        269, -1, 0.177, NO, 0,    270, -1, 0.177, YES, 0
        271, -1, 0.177, NO, 0,    272, -1, 0.177, NO, 0
        273, -1, 0.177, NO, 0,    274, -1, 0.177, NO, 0
        275, -1, 0.177, NO, 0,    276, -1, 0.177, NO, 0
        277, -1, 0.177, NO, 0,    278, -1, 0.177, NO, 0
        279, -1, 0.167, NO, 0,    280, -1, 0.167, NO, 0
        281, -1, 0.167, NO, 0,    282, -1, 0.167, NO, 0
        283, -1, 0.167, NO, 0,    284, -1, 0.167, NO, 0
        285, -1, 0.167, NO, 0,    286, -1, 0.167, NO, 0
        287, -1, 0.167, NO, 0,    288, -1, 0.167, NO, 0
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    289, -1, 0.167, NO, 0,    290, -1, 0.167, NO, 0
    291, -1, 0.167, NO, 0,    292, -1, 0.167, NO, 0
    293, -1, 0.167, NO, 0,    294, -1, 0.167, NO, 0
    295, -1, 0.167, NO, 0,    296, -1, 0.167, NO, 0
    297, -1, 0.167, NO, 0,    298, -1, 0.167, NO, 0
    299, -1, 0.167, NO, 0,    300, -1, 0.167, NO, 0
    301, -1, 0.167, NO, 0,    302, -1, 0.167, NO, 0
    303, -1, 0.167, NO, 0,    304, -1, 0.177, NO, 0
    305, -1, 0.177, NO, 0,    306, -1, 0.177, NO, 0
    307, -1, 0.177, NO, 0,    308, -1, 0.177, NO, 0
    309, -1, 0.177, NO, 0,    310, -1, 0.177, NO, 0
    311, -1, 0.177, NO, 0,    312, -1, 0.177, NO, 0
    313, -1, 0.177, YES, 0,   314, -1, 0.177, NO, 0
    315, -1, 0.177, NO, 0,    316, -1, 0.177, NO, 0
    317, -1, 0.177, NO, 0,    318, -1, 0.177, NO, 0
    319, -1, 0.189, NO, 0,    320, -1, 0.189, NO, 0
    321, -1, 0.189, NO, 0,    322, -1, 0.189, NO, 0
    323, -1, 0.189, NO, 0,    324, -1, 0.189, NO, 0
    325, -1, 0.189, NO, 0,    326, -1, 0.189, NO, 0
    327, -1, 0.189, NO, 0,    328, -1, 0.189, NO, 0
    329, -1, 0.189, NO, 0,    330, -1, 0.189, NO, 0
    331, -1, 0.189, NO, 0,    332, -1, 0.189, NO, 0
    333, -1, 0.189, NO, 0,    334, -1, 0.189, NO, 0
    335, -1, 0.189, NO, 0,    336, -1, 0.189, NO, 0
    337, -1, 0.189, NO, 0,    338, -1, 0.189, NO, 0
    339, -1, 0.189, NO, 0,    340, -1, 0.189, NO, 0
    341, -1, 0.189, NO, 0,    342, -1, 0.189, NO, 0
    343, -1, 0.189, NO, 0,    344, -1, 0.189, NO, 0
    345, -1, 0.189, NO, 0,    346, -1, 0.189, NO, 0
NAME=DL2, CROSS, Lateral, 0, 0, BOTH, 3, 1.8, NO
    231, 2.183, 0.189, YES, 0,   232, 2.183, 0.189, NO, 0
    233, 2.183, 0.189, NO, 0,    234, 2.183, 0.189, NO, 0
    235, 2.183, 0.189, NO, 0,    236, 2.183, 0.189, NO, 0
    237, 2.183, 0.189, NO, 0,    238, 2.183, 0.189, NO, 0
    239, 2.183, 0.189, NO, 0,    240, 2.183, 0.189, NO, 0
    241, 2.183, 0.189, NO, 0,    242, 2.183, 0.189, NO, 0
    243, 2.183, 0.189, NO, 0,    244, 2.183, 0.189, NO, 0
    245, 2.183, 0.189, NO, 0,    246, 2.183, 0.189, NO, 0
    247, 2.183, 0.189, NO, 0,    248, 2.183, 0.189, NO, 0
    249, 2.183, 0.189, NO, 0,    250, 2.183, 0.189, NO, 0
    251, 2.183, 0.189, NO, 0,    252, 2.183, 0.189, NO, 0
    253, 2.183, 0.189, NO, 0,    254, 2.183, 0.189, NO, 0
    255, 2.183, 0.189, NO, 0,    256, 2.183, 0.189, NO, 0
    257, 2.183, 0.189, NO, 0,    258, 2.183, 0.189, NO, 0
    259, 2.183, 0.189, NO, 0,    260, 2.183, 0.189, NO, 0
    261, 2.183, 0.189, NO, 0,    262, 2.183, 0.189, NO, 0
    263, 2.183, 0.177, NO, 0,    264, 2.183, 0.177, NO, 0
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    265, 2.183, 0.177, NO, 0,    266, 2.183, 0.177, NO, 0
    267, 2.183, 0.177, NO, 0,    268, 2.183, 0.177, NO, 0
    269, 2.183, 0.177, NO, 0,    270, 2.183, 0.177, YES, 0
    271, 2.183, 0.177, NO, 0,    272, 2.183, 0.177, NO, 0
    273, 2.183, 0.177, NO, 0,    274, 2.183, 0.177, NO, 0
    275, 2.183, 0.177, NO, 0,    276, 2.183, 0.177, NO, 0
    277, 2.183, 0.177, NO, 0,    278, 2.183, 0.177, NO, 0
    279, 2.183, 0.167, NO, 0,    280, 2.183, 0.167, NO, 0
    281, 2.183, 0.167, NO, 0,    282, 2.183, 0.167, NO, 0
    283, 2.183, 0.167, NO, 0,    284, 2.183, 0.167, NO, 0
    285, 2.183, 0.167, NO, 0,    286, 2.183, 0.167, NO, 0
    287, 2.183, 0.167, NO, 0,    288, 2.183, 0.167, NO, 0
    289, 2.183, 0.167, NO, 0,    290, 2.183, 0.167, NO, 0
    291, 2.183, 0.167, NO, 0,    292, 2.183, 0.167, NO, 0
    293, 2.183, 0.167, NO, 0,    294, 2.183, 0.167, NO, 0
    295, 2.183, 0.167, NO, 0,    296, 2.183, 0.167, NO, 0
    297, 2.183, 0.167, NO, 0,    298, 2.183, 0.167, NO, 0
    299, 2.183, 0.167, NO, 0,    300, 2.183, 0.167, NO, 0
    301, 2.183, 0.167, NO, 0,    302, 2.183, 0.167, NO, 0
    303, 2.183, 0.167, NO, 0,    304, 2.183, 0.177, NO, 0
    305, 2.183, 0.177, NO, 0,    306, 2.183, 0.177, NO, 0
    307, 2.183, 0.177, NO, 0,    308, 2.183, 0.177, NO, 0
    309, 2.183, 0.177, NO, 0,    310, 2.183, 0.177, NO, 0
    311, 2.183, 0.177, NO, 0,    312, 2.183, 0.177, NO, 0
    313, 2.183, 0.177, YES, 0,   314, 2.183, 0.177, NO, 0
    315, 2.183, 0.177, NO, 0,    316, 2.183, 0.177, NO, 0
    317, 2.183, 0.177, NO, 0,    318, 2.183, 0.177, NO, 0
    319, 2.183, 0.189, NO, 0,    320, 2.183, 0.189, NO, 0
    321, 2.183, 0.189, NO, 0,    322, 2.183, 0.189, NO, 0
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58, 0.625, 0, NO, 0, 59, 0.625, 0, NO, 0, 60, 0.625, 0, NO, 0
61, 0.625, 0, NO, 0, 62, 0.625, 0, NO, 0, 63, 0.625, 0, NO, 0
64, 0.625, 0, NO, 0, 65, 0.625, 0, NO, 0, 66, 0.625, 0, NO, 0
67, 0.625, 0, NO, 0, 68, 0.625, 0, NO, 0, 69, 0.625, 0, NO, 0
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88, 0.625, 0, NO, 0, 89, 0.625, 0, NO, 0, 90, 0.625, 0, NO, 0
91, 0.625, 0, NO, 0, 92, 0.625, 0, NO, 0, 93, 0.625, 0, NO, 0
94, 0.625, 0, NO, 0, 95, 0.625, 0, NO, 0, 96, 0.625, 0, NO, 0
97, 0.625, 0, NO, 0, 98, 0.625, 0, NO, 0, 99, 0.625, 0, NO, 0
100, 0.625, 0, NO, 0, 101, 0.625, 0, NO, 0, 102, 0.625, 0, NO, 0
103, 0.625, 0, NO, 0, 104, 0.625, 0, NO, 0, 105, 0.625, 0, NO, 0
106, 0.625, 0, NO, 0, 107, 0.625, 0, NO, 0, 108, 0.625, 0, NO, 0
109, 0.625, 0, NO, 0, 110, 0.625, 0, NO, 0, 111, 0.625, 0, NO, 0
112, 0.625, 0, NO, 0, 113, 0.625, 0, NO, 0, 114, 0.625, 0, NO, 0
NAME=T1-2, CROSS, Lateral, 0, 0, BACKWARD, 3, 0, NO
1, 0.105, 0, YES, 0, 2, 0.105, 0, NO, 0, 3, 0.105, 0, NO, 0
4, 0.105, 0, NO, 0, 5, 0.105, 0, NO, 0, 6, 0.105, 0, NO, 0
7, 0.105, 0, NO, 0, 8, 0.105, 0, NO, 0, 9, 0.105, 0, NO, 0
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13, 0.105, 0, NO, 0, 14, 0.105, 0, NO, 0, 15, 0.105, 0, NO, 0
16, 0.105, 0, NO, 0, 17, 0.105, 0, NO, 0, 18, 0.105, 0, NO, 0
19, 0.105, 0, NO, 0, 20, 0.105, 0, NO, 0, 21, 0.105, 0, NO, 0
22, 0.105, 0, NO, 0, 23, 0.105, 0, NO, 0, 24, 0.105, 0, NO, 0
25, 0.105, 0, NO, 0, 26, 0.105, 0, NO, 0, 27, 0.105, 0, NO, 0
28, 0.105, 0, NO, 0, 29, 0.105, 0, NO, 0, 30, 0.105, 0, NO, 0
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34, 0.105, 0, NO, 0, 35, 0.105, 0, NO, 0, 36, 0.105, 0, NO, 0
37, 0.105, 0, YES, 0, 38, 0.105, 0, NO, 0, 39, 0.105, 0, NO, 0
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46, 0.105, 0, NO, 0, 47, 0.105, 0, NO, 0, 48, 0.105, 0, NO, 0
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61, 0.105, 0, NO, 0, 62, 0.105, 0, NO, 0, 63, 0.105, 0, NO, 0
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79, 0.105, 0, NO, 0, 80, 0.105, 0, YES, 0, 81, 0.105, 0, NO, 0
82, 0.105, 0, NO, 0, 83, 0.105, 0, NO, 0, 84, 0.105, 0, NO, 0
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97, 0.105, 0, NO, 0, 98, 0.105, 0, NO, 0, 99, 0.105, 0, NO, 0
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106, 0.105, 0, NO, 0, 107, 0.105, 0, NO, 0, 108, 0.105, 0, NO, 0
109, 0.105, 0, NO, 0, 110, 0.105, 0, NO, 0, 111, 0.105, 0, NO, 0
112, 0.105, 0, NO, 0, 113, 0.105, 0, NO, 0, 114, 0.105, 0, NO, 0
NAME=T1-3, CROSS, Lateral, 0, 0, BACKWARD, 3, 0, NO
1, 1.125, 0, YES, 0, 2, 1.125, 0, NO, 0, 3, 1.125, 0, NO, 0
4, 1.125, 0, NO, 0, 5, 1.125, 0, NO, 0, 6, 1.125, 0, NO, 0
7, 1.125, 0, NO, 0, 8, 1.125, 0, NO, 0, 9, 1.125, 0, NO, 0
10, 1.125, 0, NO, 0, 11, 1.125, 0, NO, 0, 12, 1.125, 0, NO, 0
13, 1.125, 0, NO, 0, 14, 1.125, 0, NO, 0, 15, 1.125, 0, NO, 0
16, 1.125, 0, NO, 0, 17, 1.125, 0, NO, 0, 18, 1.125, 0, NO, 0
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31, 1.125, 0, NO, 0, 32, 1.125, 0, NO, 0, 33, 1.125, 0, NO, 0
34, 1.125, 0, NO, 0, 35, 1.125, 0, NO, 0, 36, 1.125, 0, NO, 0
37, 1.125, 0, YES, 0, 38, 1.125, 0, NO, 0, 39, 1.125, 0, NO, 0
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46, 1.125, 0, NO, 0, 47, 1.125, 0, NO, 0, 48, 1.125, 0, NO, 0
49, 1.125, 0, NO, 0, 50, 1.125, 0, NO, 0, 51, 1.125, 0, NO, 0
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79, 1.125, 0, NO, 0, 80, 1.125, 0, YES, 0, 81, 1.125, 0, NO, 0
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109, 1.125, 0, NO, 0, 110, 1.125, 0, NO, 0, 111, 1.125, 0, NO, 0
112, 1.125, 0, NO, 0, 113, 1.125, 0, NO, 0, 114, 1.125, 0, NO, 0
NAME=T2, CROSS, Lateral, 0, 0, BACKWARD, 3, 1.85, NO
115, -0.025, 0, YES, 0, 116, -0.025, 0, NO, 0
117, -0.025, 0, NO, 0, 118, -0.025, 0, NO, 0
119, -0.025, 0, NO, 0, 120, -0.025, 0, NO, 0
121, -0.025, 0, NO, 0, 122, -0.025, 0, NO, 0
123, -0.025, 0, NO, 0, 124, -0.025, 0, NO, 0
125, -0.025, 0, NO, 0, 126, -0.025, 0, NO, 0
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147, -0.025, 0, NO, 0, 148, -0.025, 0, NO, 0
149, -0.025, 0, NO, 0, 150, -0.025, 0, NO, 0
151, -0.025, 0, NO, 0, 152, -0.025, 0, NO, 0
153, -0.025, 0, YES, 0, 154, -0.025, 0, NO, 0
155, -0.025, 0, NO, 0, 156, -0.025, 0, NO, 0
157, -0.025, 0, NO, 0, 158, -0.025, 0, NO, 0
159, -0.025, 0, NO, 0, 160, -0.025, 0, NO, 0
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177, -0.025, 0, NO, 0, 178, -0.025, 0, NO, 0
179, -0.025, 0, NO, 0, 180, -0.025, 0, NO, 0
181, -0.025, 0, NO, 0, 182, -0.025, 0, NO, 0
183, -0.025, 0, NO, 0, 184, -0.025, 0, NO, 0
185, -0.025, 0, NO, 0, 186, -0.025, 0, NO, 0
187, -0.025, 0, NO, 0, 188, -0.025, 0, NO, 0
189, -0.025, 0, NO, 0, 190, -0.025, 0, NO, 0
191, -0.025, 0, NO, 0, 192, -0.025, 0, NO, 0
193, -0.025, 0, NO, 0, 194, -0.025, 0, NO, 0
195, -0.025, 0, NO, 0, 196, -0.025, 0, YES, 0
197, -0.025, 0, NO, 0, 198, -0.025, 0, NO, 0
199, -0.025, 0, NO, 0, 200, -0.025, 0, NO, 0
201, -0.025, 0, NO, 0, 202, -0.025, 0, NO, 0
203, -0.025, 0, NO, 0, 204, -0.025, 0, NO, 0
205, -0.025, 0, NO, 0, 206, -0.025, 0, NO, 0
207, -0.025, 0, NO, 0, 208, -0.025, 0, NO, 0
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211, -0.025, 0, NO, 0, 212, -0.025, 0, NO, 0
213, -0.025, 0, NO, 0, 214, -0.025, 0, NO, 0
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217, -0.025, 0, NO, 0, 218, -0.025, 0, NO, 0
219, -0.025, 0, NO, 0, 220, -0.025, 0, NO, 0
221, -0.025, 0, NO, 0, 222, -0.025, 0, NO, 0
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225, -0.025, 0, NO, 0, 226, -0.025, 0, NO, 0
227, -0.025, 0, NO, 0, 228, -0.025, 0, NO, 0
229, -0.025, 0, NO, 0, 230, -0.025, 0, NO, 0
NAME=T3, CROSS, Lateral, 0, 0, FORWARD, 3, 1.85, NO
231, 0.025, 0, YES, 0, 232, 0.025, 0, NO, 0, 233, 0.025, 0, NO, 0
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342, 0.025, 0, NO, 0, 343, 0.025, 0, NO, 0, 344, 0.025, 0, NO, 0
345, 0.025, 0, NO, 0, 346, 2.183, 0.189, NO, 0
NAME=T4, LANE, , 0, 0, FORWARD, 3, 1.8, NO
347, -1.125, 0, YES, 0, 348, -1.125, 0, NO, 0
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NAME=UL1, LANE, , 0, 0, BOTH, 3, 1.8, NO

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NAME=UL3, CROSS, Lateral, 0, 0, BOTH, 3, 1.8, NO

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     163, -2.183, 0.167, NO, 0,   164, -2.183, 0.167, NO, 0
     165, -2.183, 0.167, NO, 0,   166, -2.183, 0.167, NO, 0
     167, -2.183, 0.167, NO, 0,   168, -2.183, 0.167, NO, 0
     169, -2.183, 0.167, NO, 0,   170, -2.183, 0.167, NO, 0
     171, -2.183, 0.167, NO, 0,   172, -2.183, 0.167, NO, 0
     173, -2.183, 0.167, NO, 0,   174, -2.183, 0.167, NO, 0
     175, -2.183, 0.167, NO, 0,   176, -2.183, 0.167, NO, 0
     177, -2.183, 0.167, NO, 0,   178, -2.183, 0.167, NO, 0
     179, -2.183, 0.167, NO, 0,   180, -2.183, 0.167, NO, 0
     181, -2.183, 0.167, NO, 0,   182, -2.183, 0.167, NO, 0
     183, -2.183, 0.167, NO, 0,   184, -2.183, 0.167, NO, 0
     185, -2.183, 0.167, NO, 0,   186, -2.183, 0.167, NO, 0
     187, -2.183, 0.167, NO, 0,   188, -2.183, 0.177, NO, 0
     189, -2.183, 0.177, NO, 0,   190, -2.183, 0.177, NO, 0
     191, -2.183, 0.177, NO, 0,   192, -2.183, 0.177, NO, 0
     193, -2.183, 0.177, NO, 0,   194, -2.183, 0.177, NO, 0
     195, -2.183, 0.177, NO, 0,   196, -2.183, 0.177, YES, 0
     197, -2.183, 0.177, NO, 0,   198, -2.183, 0.177, NO, 0
     199, -2.183, 0.177, NO, 0,   200, -2.183, 0.177, NO, 0
     201, -2.183, 0.177, NO, 0,   202, -2.183, 0.177, NO, 0
     203, -2.183, 0.189, NO, 0,   204, -2.183, 0.189, NO, 0
     205, -2.183, 0.189, NO, 0,   206, -2.183, 0.189, NO, 0
     207, -2.183, 0.189, NO, 0,   208, -2.183, 0.189, NO, 0
     209, -2.183, 0.189, NO, 0,   210, -2.183, 0.189, NO, 0
     211, -2.183, 0.189, NO, 0,   212, -2.183, 0.189, NO, 0
     213, -2.183, 0.189, NO, 0,   214, -2.183, 0.189, NO, 0
     215, -2.183, 0.189, NO, 0,   216, -2.183, 0.189, NO, 0
     217, -2.183, 0.189, NO, 0,   218, -2.183, 0.189, NO, 0
     219, -2.183, 0.189, NO, 0,   220, -2.183, 0.189, NO, 0
     221, -2.183, 0.189, NO, 0,   222, -2.183, 0.189, NO, 0
     223, -2.183, 0.189, NO, 0,   224, -2.183, 0.189, NO, 0
     225, -2.183, 0.189, NO, 0,   226, -2.183, 0.189, NO, 0
     227, -2.183, 0.189, NO, 0,   228, -2.183, 0.189, NO, 0
     229, -2.183, 0.189, NO, 0,   230, -2.183, 0.189, NO, 0
NAME=UR3, CROSS, Lateral, 0, 0, BOTH, 3, 1.8, NO
     115, 1, 0.189, YES, 0,   116, 1, 0.189, NO, 0,   117, 1, 0.189, NO, 0
     118, 1, 0.189, NO, 0,    119, 1, 0.189, NO, 0,   120, 1, 0.189, NO, 0
     121, 1, 0.189, NO, 0,    122, 1, 0.189, NO, 0,   123, 1, 0.189, NO, 0
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     124, 1, 0.189, NO, 0,    125, 1, 0.189, NO, 0,   126, 1, 0.189, NO, 0
     127, 1, 0.189, NO, 0,    128, 1, 0.189, NO, 0,   129, 1, 0.189, NO, 0
     130, 1, 0.189, NO, 0,    131, 1, 0.189, NO, 0,   132, 1, 0.189, NO, 0
     133, 1, 0.189, NO, 0,    134, 1, 0.189, NO, 0,   135, 1, 0.189, NO, 0
     136, 1, 0.189, NO, 0,    137, 1, 0.189, NO, 0,   138, 1, 0.189, NO, 0
     139, 1, 0.189, NO, 0,    140, 1, 0.189, NO, 0,   141, 1, 0.189, NO, 0
     142, 1, 0.189, NO, 0,    143, 1, 0.189, NO, 0,   144, 1, 0.189, NO, 0
     145, 1, 0.189, NO, 0,    146, 1, 0.177, NO, 0,   147, 1, 0.177, NO, 0
     148, 1, 0.177, NO, 0,    149, 1, 0.177, NO, 0,   150, 1, 0.177, NO, 0
     151, 1, 0.177, NO, 0,    152, 1, 0.177, NO, 0,   153, 1, 0.177, YES, 0
     154, 1, 0.177, NO, 0,    155, 1, 0.177, NO, 0,   156, 1, 0.177, NO, 0
     157, 1, 0.177, NO, 0,    158, 1, 0.177, NO, 0,   159, 1, 0.177, NO, 0
     160, 1, 0.177, NO, 0,    161, 1, 0.177, NO, 0,   162, 1, 0.167, NO, 0
     163, 1, 0.167, NO, 0,    164, 1, 0.167, NO, 0,   165, 1, 0.167, NO, 0
     166, 1, 0.167, NO, 0,    167, 1, 0.167, NO, 0,   168, 1, 0.167, NO, 0
     169, 1, 0.167, NO, 0,    170, 1, 0.167, NO, 0,   171, 1, 0.167, NO, 0
     172, 1, 0.167, NO, 0,    173, 1, 0.167, NO, 0,   174, 1, 0.167, NO, 0
     175, 1, 0.167, NO, 0,    176, 1, 0.167, NO, 0,   177, 1, 0.167, NO, 0
     178, 1, 0.167, NO, 0,    179, 1, 0.167, NO, 0,   180, 1, 0.167, NO, 0
     181, 1, 0.167, NO, 0,    182, 1, 0.167, NO, 0,   183, 1, 0.167, NO, 0
     184, 1, 0.167, NO, 0,    185, 1, 0.167, NO, 0,   186, 1, 0.167, NO, 0
     187, 1, 0.167, NO, 0,    188, 1, 0.177, NO, 0,   189, 1, 0.177, NO, 0
     190, 1, 0.177, NO, 0,    191, 1, 0.177, NO, 0,   192, 1, 0.177, NO, 0
     193, 1, 0.177, NO, 0,    194, 1, 0.177, NO, 0,   195, 1, 0.177, NO, 0
     196, 1, 0.177, YES, 0,   197, 1, 0.177, NO, 0,   198, 1, 0.177, NO, 0
     199, 1, 0.177, NO, 0,    200, 1, 0.177, NO, 0,   201, 1, 0.177, NO, 0
     202, 1, 0.177, NO, 0,    203, 1, 0.189, NO, 0,   204, 1, 0.189, NO, 0
     205, 1, 0.189, NO, 0,    206, 1, 0.189, NO, 0,   207, 1, 0.189, NO, 0
     208, 1, 0.189, NO, 0,    209, 1, 0.189, NO, 0,   210, 1, 0.189, NO, 0
     211, 1, 0.189, NO, 0,    212, 1, 0.189, NO, 0,   213, 1, 0.189, NO, 0
     214, 1, 0.189, NO, 0,    215, 1, 0.189, NO, 0,   216, 1, 0.189, NO, 0
     217, 1, 0.189, NO, 0,    218, 1, 0.189, NO, 0,   219, 1, 0.189, NO, 0
     220, 1, 0.189, NO, 0,    221, 1, 0.189, NO, 0,   222, 1, 0.189, NO, 0
     223, 1, 0.189, NO, 0,    224, 1, 0.189, NO, 0,   225, 1, 0.189, NO, 0
     226, 1, 0.189, NO, 0,    227, 1, 0.189, NO, 0,   228, 1, 0.189, NO, 0
     229, 1, 0.189, NO, 0,    230, 1, 0.189, NO, 0

*LSUPPORT     ; Lane Supports - Negative Moments at Interior Piers
; iTYPE, ELEM_LIST, POSITION       ; (When iTYPE=0)
; iTYPE, GRUP-NAME                 ; (When iTYPE=1)
   0, 37 80 153 196 270 313 385 427, END-I
   0, 36 79 152 195 269 312 384 426, 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
```

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;       LOAD1, DIST1, LOAD2, DIST2, ...                         ; user: from line 2
; [TRUCK/LANE] : 1, P, Qm, Qq                                   ; truck(JTG)
; [TRUCK/LANE] : 2, P, Qm, Qq                                   ; lane load1
; [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2                        ; lane load2
; [TRUCK/LANE] : 4, dW, dD                                      ; crawler type
; [TRUCK/LANE] : 5                                              ; GC type load
; [TRAIN/SUBWAY] : iTYPE, W1, D1, W2, D2                        ; train-type1,3
; [TRAIN/SUBWAY] : iTYPE, DD, FD, BD, MAINCOUNT                 ; train-type2
; [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR ; subway
; [CROWD] : 1, dW1                                              ; crowd-type1
; [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH                        ; crowd-type2
; if Moving Load Type is India
; NAME=NAME, 1, TYPE-NAME, CODE                                 ; standard
; NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST             ; user: line 1
; NAME=NAME, 2, bWTB, dD1, dD2, NDIST                           ; user: line 1
;       LOAD1, DIST1, LOAD2, DIST2, ...                         ; user: from line 2
; if Moving Load Code is CANADA
; NAME=NAME, 1, TYPE-NAME, DLA, CODE, [DYNA]                    ; standard
; NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST, [DYNA]   ; user: line 1
;       LOAD1, DIST1, LOAD2, DIST2, ...                         ; user: from line 2
; [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE               ; Dynamic Load Allowance
; if Moving Load Code is BS
; NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM                        ; standard
; NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4                ; HA, HA & HB, HA & HB(Auto)
; NAME=NAME, 2, iSTYPE, W1, W2, W3, L, Pa, Pb, D1, D2, d, UNITNUM   ; user(BS 5400)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BS-DATA-LF]              ; user(HA)
; NAME=NAME, 2, iSTYPE, [BS-DATA-HB]                            ; user(HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA2], [BS-DATA-HB2], [BS-DATA-LF]   ; user(HA&HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BD37/01-HB], [BS-DATA-LF]     ; user(HA&HB(AUTO))
; NAME=NAME, 2, iSTYPE, W, L                                    ; user(Pedestrian)
; NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1, P2, D2, ...  ; user(Special Vehicle)
; [BS-DATA-HA]   : W1, W2, W3, EXP, EXP2, L1, L2, Pa
; [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
; [BS-DATA-HB]   : Pb, D1, D2, d, UNITNUM
; [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
; [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
; if Moving Load Code is EUROCODE
; NAME=NAME, 1, iTYPE, TYPE-NAME, PSY1, PSY2, PHI, [AF7]        ; standard (LM1, FLM1)
; NAME=NAME, 1, iTYPE, TYPE-NAME, bDF, bU, PHI, PSY, ADJ, IN    ; standard (others)
; NAME=NAME, 2, 1, [AF7]                                        ; user(Type 1)
;       [LOAD7], D, PHI, TPSY, UPSY                             ; user(Type 1): line 2
; NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1, P2, D2, ...  ; user(Type 2)
; NAME=NAME, 2, 3                                               ; user(Type 3)
;       [LOADCASE1]                                             ; user(Type 3): line 2
;       [LOADCASE2]                                             ; user(Type 3): line 3
;       [LOADCASE3]                                             ; user(Type 3): line 4
; NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI, F, P1, D1, P2, D2, ...  ; user(Type 4)
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; NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2                ; user(Type 5)
;       [VEHICLE1]                                              ; user(Type 5): line 2
;       [VEHICLE2]                                              ; user(Type 5): line 3
;       [VEHICLE3]                                              ; user(Type 5): line 4
; [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4                     ; adjustment factor
; [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4                   ; tandem/udl loads
; [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2, ...      ; load case
; [VEHICLE] : bUSE, N, P1, L1, P2, L2, ...                      ; vehicle
; if Moving Load Code is RUSSIA
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC   ; standard (SK)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC   ; standard (SK FATIGUE)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL
;                 bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1, s1_UDL   ; standard (AK)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
;                 bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT   ; standard (N14)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
;                 bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT   ; standard (N11)
; NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
;               bFATI, nLOADFAC, dLOADFAC,                      ; standard (SUBWAY TRAINS)
; NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
;                 bFATI, nLOADFAC, dLOADFAC,                    ; standard (TRAMCARS)
; NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC   ; standard (NK-80)
; NAME=NAME, 1, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (NG-60)
; NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC   ; standard (UNIFORM LOAD)
; NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC   ; standard (UNIFORM LOAD(W/O
 OTHER LOADS))
; NAME=NAME, 1, iTYPE, BRIDGETYPE, P                            ; standard (CONCENTRATED LOAD (W/O OT
HER LOADS))
; NAME=NAME, 2, iTYPE, W, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL
;                 bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1, s1_UDL   ; 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          ; standard
; NAME=NAME, 2, 8, L1, W1, W2, EXP                              ; user: line 1 (Type 1)
; NAME=NAME, 2, 1, W1, W2, D1, D2                               ; user: line 1 (Type 2)
; NAME=NAME, 2, 6, LOADNUM, DIST, W, L                          ; user: line 1 (Type 3)
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;       LOAD1, DIST1, LOAD2, DIST2, ...                         ; user: from line 2
; if Moving Load Code is AASHTO LRFD, CANADA and Load Type is Permit Truck
; NAME=NAME, 3, AXLE-TYPE-NUM, IMP-FACTOR                       ; user(Permit Truck)
;       AXLE-TYPE-NAME1, bEDWL1, bSV1, P1, D1, P2, D2, ..., Pn, Dn   ; user(from line 2)
;       ...
;       AXLE-TYPE-NAMEn, bEDWLn, bSVn, P1, D1, P2, D2, ..., Pn, Dn
;       AXLE-TYPE1, SPACING1, bVS1, AXLE-TYPE2, SPACING2, bVS2 ...   ; line 2+AXLE-TYPE-NUM
; if Moving Load Code is not one of those specified above.
; NAME=NAME, 1, TYPE-NAME, DLA, CODE                            ; standard
; NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST  ; user: line 1
;       LOAD1, DIST1, LOAD2, DIST2, ...                         ; user: from line 2
   NAME=DB-24, 1, DB-24, 0, KS-RB
   NAME=DL-24, 1, DL-24, 0, KS-RB
   NAME=Dump-A, 2, NO, 0, 0, 0, 0, 0
       70.26, 3.2, 99.97, 1.3, 99.97, 1.3
   NAME=Dump-B, 2, NO, 0, 0, 0, 0, 0
       72.56, 3.2, 103.27, 1.3, 103.27, 1.3

*MVLDCASE    ; Moving Load Cases
; NAME=NAME, bLCPV, SCALE1, SCALE2, SCALE3, SCALE4, SCALE5, SCALE6, COMB, DESC, LCOM, SERIAL   ; 1st lin
e
;       nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1, 3LFACTOR2, 3LFACTOR3, 3LFACTOR4   ; 2st line
;       TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1, LANE11, LANE12, ...   ; 3nd line
;       ...                                                         ; ...
;       TYPEn, VCLASSn, SCALEn, iMINn, iMAXn, LANEn1, LANEn2, ...   ; n+1th line
; NAME=NAME, bLCPV, VEHICLE, REFLANE, ECCEN, SCALE, DESC                ; Permit
   NAME=MV, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 1
       1, 1, 1, 1, 1, 0.5, 0.25
       VL, DB-24, 1, 1, 6, DL1, DL2, DL3, UL1, UL2, UL3
       VL, DB-24, 1, 1, 6, DR1, DR2, DR3, UR1, UR2, UR3
       VL, DB-24, 1, 1, 6, DR1, DR2, DR3, UL1, UL2, UL3
       VL, DB-24, 1, 1, 6, DL1, DL2, DL3, UR1, UR2, UR3
       VL, DL-24, 1, 1, 6, DL1, DL2, DL3, UL1, UL2, UL3
       VL, DL-24, 1, 1, 6, DR1, DR2, DR3, UR1, UR2, UR3
       VL, DL-24, 1, 1, 6, DR1, DR2, DR3, UL1, UL2, UL3
       VL, DL-24, 1, 1, 6, DL1, DL2, DL3, UR1, UR2, UR3
   NAME=LC1, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 2
       1, 1, 1, 1, 1, 0.5, 0.25
       VL, Dump-A, 1, 1, 1, T1
   NAME=LC2, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 3
       1, 1, 1, 1, 1, 0.5, 0.25
       VL, Dump-B, 1, 1, 1, T2
   NAME=LC3, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 4
       1, 1, 1, 1, 1, 0.5, 0.25
       VL, Dump-B, 1, 1, 1, T3
   NAME=LC4, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 5
       1, 1, 1, 1, 1, 0.5, 0.25
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       VL, Dump-A, 1, 1, 1, T4
   NAME=LC1-1, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 6
       1, 1, 1, 1, 1, 0.5, 0.25
       VL, Dump-A, 1, 1, 1, T1-2

*COMPBOXLC     ; Pre-Combined Load Cases for Composite Section
; LCNAME1, LCNAME2, ..., LCNAMEn
   Deck, Self Weight

*LOADCOMB     ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE   ; line 1
;       ANAL1, LCNAME1, FACT1, ...                              ; from line 2
   NAME=ALL, GEN, ACTIVE, 0, 0, , 0, 0
       ST, Self Weight, 1, ST, Deck, 1, ST, 2nd Dead, 1, MV, MV, 1
   NAME=DL(BC), GEN, ACTIVE, 0, 0, , 0, 0
       ST, Self Weight, 1, ST, Deck, 1
   NAME=DL(AC), GEN, ACTIVE, 0, 0, , 0, 0
       ST, 2nd Dead, 1
   NAME=LL, GEN, ACTIVE, 0, 0, , 0, 0
       MV, MV, 1
   NAME=K, GEN, ACTIVE, 0, 0, , 0, 0
       ST, Unit, 1.036
   NAME=LC5, GEN, ACTIVE, 0, 0, , 0, 0
       MV, LC1, 1, MV, LC2, 1
   NAME=LC6, GEN, ACTIVE, 0, 0, , 0, 0
       MV, LC3, 1, MV, LC4, 1
   NAME=LC5-1, GEN, ACTIVE, 0, 0, , 0, 0
       MV, LC1-1, 1, MV, LC2, 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, Self Weight, 192, 0, 128, 255, 255, 87, 255, 192, 87
 ST, Deck, 0, 192, 128, 128, 192, 0, 78, 0, 255
 ST, 2nd Dead, 255, 255, 255, 212, 160, 255, 192, 0, 128
 ST, Unit, 255, 0, 192, 0, 128, 192, 192, 192, 192
 MV, MV, 78, 0, 255, 255, 87, 87, 0, 128, 57
 CB, DL(BC), 0, 128, 255, 212, 160, 255, 93, 255, 87
 CB, DL(AC), 0, 128, 128, 192, 192, 192, 0, 192, 192
 CB, LL, 163, 160, 255, 192, 72, 0, 255, 192, 160
 CB, ALL, 0, 128, 57, 93, 255, 87, 160, 255, 255
 CB, K, 192, 128, 0, 192, 128, 0, 255, 192, 87
 MV, LC1, 192, 192, 0, 192, 192, 0, 163, 255, 160
 MV, LC2, 192, 192, 0, 192, 192, 192, 146, 0, 255
 MV, LC3, 255, 0, 192, 255, 255, 87, 146, 0, 255
 MV, LC4, 192, 192, 0, 160, 255, 255, 128, 192, 0
 CB, LC5, 192, 0, 128, 146, 0, 255, 192, 0, 128
 CB, LC6, 255, 87, 128, 192, 192, 0, 146, 0, 255
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 CB, LC5-1, 255, 0, 128, 93, 255, 87, 0, 192, 128
 MV, LC1-1, 0, 192, 128, 0, 128, 255, 255, 192, 160
 ST, MVminLC4Dz356, 0, 192, 128, 255, 0, 128, 255, 255, 87

*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, 10, 20, 1, 1e-010, NO, 0, 0, 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
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4
;                FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
;               MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
    1, STEEL, SM490              , 1, KS10-Civil(S),             ,SM490          , 1, KS01-Civil(RC),             ,                  , , , , 0
, 0,NO,0.0000e+000,      0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000,      0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000
e+000,      0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,
    2, STEEL, SM490              , 1, KS10-Civil(S),             ,SM490          , 1, KS01-Civil(RC),             ,                  , , , , 0
, 0,NO,0.0000e+000,      0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000,      0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000
e+000,      0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,
    3, STEEL, SM400              , 2, 2.0500e+009,   0.3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, KS01-Civil(RC),
  ,                  , , , , 0, 0,NO,0.0000e+000,      0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000,      0,, 0, 0,0, 0, 0,0, 0, 0
,0, 0, 0,0, 0, 0,0.0000e+000,      0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0,
    4, STEEL, SM400              , 2, 2.0500e+009,   0.3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, KS01-Civil(RC),
  ,                  , , , , 0, 0,NO,0.0000e+000,      0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000,      0,, 0, 0,0, 0, 0,0, 0, 0
,0, 0, 0,0, 0, 0,0.0000e+000,      0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0,

*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=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=5,  YES
 0, 0, 0, 0
   SECT=6,  YES
 0, 0, 0, 0
   SECT=7,  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=12,  YES
 0, 0, 0, 0
   SECT=13,  YES
 0, 0, 0, 0
   SECT=14,  YES
 0, 0, 0, 0
   SECT=15,  YES
 0, 0, 0, 0
   SECT=16,  YES
 0, 0, 0, 0
   SECT=17,  YES
 0, 0, 0, 0
   SECT=18,  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=1,  YES
 0, 0
   SECT=2,  YES
 0, 0
   SECT=3,  YES
 0, 0
   SECT=4,  YES
 0, 0
   SECT=5,  YES
 0, 0
   SECT=6,  YES
 0, 0
   SECT=7,  YES
 0, 0
   SECT=8,  YES
 0, 0
   SECT=9,  YES
 0, 0
   SECT=10,  YES
 0, 0
   SECT=11,  YES
 0, 0
   SECT=12,  YES
 0, 0
   SECT=13,  YES
 0, 0
   SECT=14,  YES
 0, 0
   SECT=15,  YES
 0, 0
   SECT=16,  YES
 0, 0
   SECT=17,  YES
 0, 0
   SECT=18,  YES
 0, 0

*ENDDATA
```