

■ 청도IC1교 대구방향(S1~S2) 상부 input

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: MIDAS/Civil Text(MCT) File.
: Date : 2015/12/30
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*VERSION
8.4.5

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

*REBAR-MATL-CODE      : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01~Civil(RC), SD300, KS01~Civil(RC), SD300

*NODE      : Nodes
: INO, X, Y, Z
1, 2.8225, 0, 0
2, 4.385, 0, 0
3, 5.01, 0, 0
4, 6.5725, 0, 0
5, 7.1975, 0, 0
6, 10.02, 0, 0
7, 11.5825, 0, 0
8, 12.2075, 0, 0
9, 13.77, 0, 0
10, 15.02, 0, 0
11, 20.02, 0, 0
12, 22.8325, 0, 0
13, 23.4575, 0, 0
14, 25.02, 0, 0
15, 30.02, 0, 0
16, 35.02, 0, 0
17, 37.8425, 0, 0
18, 38.4675, 0, 0
19, 40.03, 0, 0
20, 45.03, 0, 0
21, 45.3625, 0, 0
22, 45.9875, 0, 0
23, 49.6, 0, 0
24, 50, 0, 0
25, 31.25, 0, 0
26, 2.8225, -5.5, 0
27, 4.385, -5.5, 0
28, 5.01, -5.5, 0
29, 6.5725, -5.5, 0
30, 7.1975, -5.5, 0
31, 10.02, -5.5, 0
32, 11.5825, -5.5, 0
33, 12.2075, -5.5, 0
34, 13.77, -5.5, 0
35, 15.02, -5.5, 0
36, 20.02, -5.5, 0
37, 22.8325, -5.5, 0
38, 23.4575, -5.5, 0
39, 25.02, -5.5, 0
40, 30.02, -5.5, 0
41, 35.02, -5.5, 0
42, 37.8425, -5.5, 0
43, 38.4675, -5.5, 0
44, 40.03, -5.5, 0
45, 45.03, -5.5, 0
46, 45.3625, -5.5, 0
47, 45.9875, -5.5, 0
48, 49.6, -5.5, 0
49, 50, -5.5, 0
50, 31.25, -5.5, 0
51, 2.8225, -11, 0
52, 4.385, -11, 0
53, 5.01, -11, 0
54, 6.5725, -11, 0
55, 7.1975, -11, 0
56, 10.02, -11, 0
57, 11.5825, -11, 0
58, 12.2075, -11, 0
59, 13.77, -11, 0
60, 15.02, -11, 0
61, 20.02, -11, 0
62, 22.8325, -11, 0
63, 23.4575, -11, 0
64, 25.02, -11, 0
65, 30.02, -11, 0
66, 35.02, -11, 0
67, 37.8425, -11, 0
68, 38.4675, -11, 0
69, 40.03, -11, 0
70, 45.03, -11, 0
71, 45.3625, -11, 0
72, 45.9875, -11, 0
73, 49.6, -11, 0
74, 50, -11, 0
75, 31.25, -11, 0
76, 0, 0, 0
77, 0, -5.5, 0
78, 0, -11, 0

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79, -2.8225, 0, 0
80, -2.8225, -11, 0
81, -4.385, 0, 0
82, -4.385, -11, 0
83, -5.01, 0, 0
84, -5.01, -11, 0
85, -6.5725, 0, 0
86, -6.5725, -11, 0
87, -7.1975, 0, 0
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89, -10.02, 0, 0
90, -11.5825, 0, 0
91, -10.02, -11, 0
92, -11.5825, -11, 0
93, -12.2075, 0, 0
94, -12.2075, -11, 0
95, -13.77, 0, 0
96, -13.77, -11, 0
97, -15.02, 0, 0
98, -20.02, 0, 0
99, -22.8325, 0, 0
100, -15.02, -11, 0
101, -20.02, -11, 0
102, -22.8325, -11, 0
103, -23.4575, 0, 0
104, -23.4575, -11, 0
105, -25.02, 0, 0
106, -30.02, 0, 0
107, -31.25, 0, 0
108, -35.02, 0, 0
109, -37.8425, 0, 0
110, -25.02, -11, 0
111, -30.02, -11, 0
112, -31.25, -11, 0
113, -35.02, -11, 0
114, -37.8425, -11, 0
115, -38.4675, 0, 0
116, -38.4675, -11, 0
117, -40.03, 0, 0
118, -45.03, 0, 0
119, -45.3625, 0, 0
120, -40.03, -11, 0
121, -45.03, -11, 0
122, -45.3625, -11, 0
123, -45.9875, 0, 0
124, -45.9875, -11, 0
125, -49.6, 0, 0
126, -50, 0, 0
127, -49.6, -11, 0
128, -50, -11, 0
129, -2.8225, -5.5, 0
130, -4.385, -5.5, 0
131, -5.01, -5.5, 0
132, -6.5725, -5.5, 0
133, -7.1975, -5.5, 0
134, -10.02, -5.5, 0
135, -11.5825, -5.5, 0
136, -12.2075, -5.5, 0
137, -13.77, -5.5, 0
138, -15.02, -5.5, 0
139, -20.02, -5.5, 0
140, -22.8325, -5.5, 0
141, -23.4575, -5.5, 0
142, -25.02, -5.5, 0
143, -30.02, -5.5, 0
144, -31.25, -5.5, 0
145, -35.02, -5.5, 0
146, -37.8425, -5.5, 0
147, -38.4675, -5.5, 0
148, -40.03, -5.5, 0
149, -45.03, -5.5, 0
150, -45.3625, -5.5, 0
151, -45.9875, -5.5, 0
152, -49.6, -5.5, 0
153, -50, -5.5, 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)
1, BEAM , 1, 14, 76, 1, 0, 0
2, BEAM , 1, 14, 78, 51, 0, 0
3, BEAM , 1, 13, 1, 2, 0, 0
4, BEAM , 1, 13, 51, 52, 0, 0
5, BEAM , 1, 15, 2, 3, 0, 0
6, BEAM , 1, 15, 52, 53, 0, 0
7, BEAM , 1, 12, 3, 4, 0, 0
8, BEAM , 1, 12, 53, 54, 0, 0
9, BEAM , 1, 11, 4, 5, 0, 0
10, BEAM , 1, 11, 54, 55, 0, 0
11, BEAM , 1, 10, 5, 6, 0, 0

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12, BEAM , 1, 10, 6, 7, 0, 0
13, BEAM , 1, 10, 55, 56, 0, 0
14, BEAM , 1, 10, 56, 57, 0, 0
15, BEAM , 1, 9, 7, 8, 0, 0
16, BEAM , 1, 9, 57, 58, 0, 0
17, BEAM , 1, 8, 8, 9, 0, 0
18, BEAM , 1, 8, 58, 59, 0, 0
19, BEAM , 1, 7, 9, 10, 0, 0
20, BEAM , 1, 7, 10, 11, 0, 0
21, BEAM , 1, 7, 11, 12, 0, 0
22, BEAM , 1, 7, 59, 60, 0, 0
23, BEAM , 1, 7, 60, 61, 0, 0
24, BEAM , 1, 7, 61, 62, 0, 0
25, BEAM , 1, 6, 12, 13, 0, 0
26, BEAM , 1, 6, 62, 63, 0, 0
27, BEAM , 1, 5, 13, 14, 0, 0
28, BEAM , 1, 5, 14, 15, 0, 0
29, BEAM , 1, 5, 15, 25, 0, 0
30, BEAM , 1, 5, 25, 16, 0, 0
31, BEAM , 1, 5, 16, 17, 0, 0
32, BEAM , 1, 5, 63, 64, 0, 0
33, BEAM , 1, 5, 64, 65, 0, 0
34, BEAM , 1, 5, 65, 75, 0, 0
35, BEAM , 1, 5, 75, 66, 0, 0
36, BEAM , 1, 5, 66, 67, 0, 0
37, BEAM , 1, 4, 17, 18, 0, 0
38, BEAM , 1, 4, 67, 68, 0, 0
39, BEAM , 1, 3, 18, 19, 0, 0
40, BEAM , 1, 3, 19, 20, 0, 0
41, BEAM , 1, 3, 20, 21, 0, 0
42, BEAM , 1, 3, 68, 69, 0, 0
43, BEAM , 1, 3, 69, 70, 0, 0
44, BEAM , 1, 3, 70, 71, 0, 0
45, BEAM , 1, 2, 21, 22, 0, 0
46, BEAM , 1, 2, 71, 72, 0, 0
47, BEAM , 1, 1, 22, 23, 0, 0
48, BEAM , 1, 1, 23, 24, 0, 0
49, BEAM , 1, 1, 72, 73, 0, 0
50, BEAM , 1, 1, 73, 74, 0, 0
51, BEAM , 1, 31, 77, 26, 0, 0
52, BEAM , 1, 30, 26, 27, 0, 0
53, BEAM , 1, 29, 27, 28, 0, 0
54, BEAM , 1, 28, 28, 29, 0, 0
55, BEAM , 1, 27, 29, 30, 0, 0
56, BEAM , 1, 26, 30, 31, 0, 0
57, BEAM , 1, 26, 31, 32, 0, 0
58, BEAM , 1, 25, 32, 33, 0, 0
59, BEAM , 1, 24, 33, 34, 0, 0
60, BEAM , 1, 23, 34, 35, 0, 0
61, BEAM , 1, 23, 35, 36, 0, 0
62, BEAM , 1, 23, 36, 37, 0, 0
63, BEAM , 1, 22, 37, 38, 0, 0
64, BEAM , 1, 21, 38, 39, 0, 0
65, BEAM , 1, 21, 39, 40, 0, 0
66, BEAM , 1, 21, 40, 50, 0, 0
67, BEAM , 1, 21, 50, 41, 0, 0
68, BEAM , 1, 21, 41, 42, 0, 0
69, BEAM , 1, 20, 42, 43, 0, 0
70, BEAM , 1, 19, 43, 44, 0, 0
71, BEAM , 1, 19, 44, 45, 0, 0
72, BEAM , 1, 19, 45, 46, 0, 0
73, BEAM , 1, 18, 46, 47, 0, 0
74, BEAM , 1, 17, 47, 48, 0, 0
75, BEAM , 1, 17, 48, 49, 0, 0
76, BEAM , 2, 16, 78, 77, 0, 0
77, BEAM , 2, 16, 77, 76, 0, 0
78, BEAM , 2, 16, 53, 28, 0, 0
79, BEAM , 2, 16, 28, 3, 0, 0
80, BEAM , 2, 16, 56, 31, 0, 0
81, BEAM , 2, 16, 31, 6, 0, 0
82, BEAM , 2, 16, 60, 35, 0, 0
83, BEAM , 2, 16, 35, 10, 0, 0
84, BEAM , 2, 16, 61, 36, 0, 0
85, BEAM , 2, 16, 36, 11, 0, 0
86, BEAM , 2, 16, 64, 39, 0, 0
87, BEAM , 2, 16, 39, 14, 0, 0
88, BEAM , 2, 16, 65, 40, 0, 0
89, BEAM , 2, 16, 40, 15, 0, 0
90, BEAM , 2, 16, 66, 41, 0, 0
91, BEAM , 2, 16, 41, 16, 0, 0
92, BEAM , 2, 16, 69, 44, 0, 0
93, BEAM , 2, 16, 44, 19, 0, 0
94, BEAM , 2, 16, 70, 45, 0, 0
95, BEAM , 2, 16, 45, 20, 0, 0
96, BEAM , 2, 16, 73, 48, 0, 0
97, BEAM , 2, 16, 48, 23, 0, 0
98, BEAM , 1, 14, 76, 79, 0, 0
99, BEAM , 1, 14, 78, 80, 0, 0
100, BEAM , 1, 13, 79, 81, 0, 0
101, BEAM , 1, 13, 80, 82, 0, 0
102, BEAM , 1, 15, 81, 83, 0, 0
103, BEAM , 1, 15, 82, 84, 0, 0
104, BEAM , 1, 12, 83, 85, 0, 0
105, BEAM , 1, 12, 84, 86, 0, 0
106, BEAM , 1, 11, 85, 87, 0, 0
107, BEAM , 1, 11, 86, 88, 0, 0
108, BEAM , 1, 10, 87, 89, 0, 0

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109. BEAM , 1, 10, 89, 90, 0, 0	THERMAL, DEN, MASS	:	[SIZE-A]-i
110. BEAM , 1, 10, 88, 91, 0, 0	1, STEEL, SM490 , 0, 0, , C, NO, 0.02,	:	: 4th line(STYPE=CMP-CI/CT)
111. BEAM , 1, 10, 91, 92, 0, 0	1, KS10-Civil(S), , SM490	:	[SIZE-B]-i
112. BEAM , 1, 9, 90, 93, 0, 0	2, STEEL, SM400 , 0, 0, , C, NO, 0.02,	:	: 5th line(STYPE=CMP-CI/CT)
113. BEAM , 1, 9, 92, 94, 0, 0	1, KS10-Civil(S), , SM400	:	[SIZE-C]-i
114. BEAM , 1, 8, 93, 95, 0, 0	*MATL-COLOR	:	: 6th line(STYPE=CMP-CI/CT)
115. BEAM , 1, 8, 94, 96, 0, 0	: IMAT, W_R, W_B, HF_R, HF_G, HF_B, HE_R,	:	[SIZE-D]-i
116. BEAM , 1, 7, 95, 97, 0, 0	HE_G, HE_B, bBLEND, FACT	:	: 7th line(STYPE=CMP-CI/CT)
117. BEAM , 1, 7, 97, 98, 0, 0	1, 255, 0, 0, 0, 255, 0, 0, 0, 255,	:	[SIZE-A]-j
118. BEAM , 1, 7, 98, 99, 0, 0	NO, 0.5	:	: 8th line(STYPE=CMP-CI/CT)
119. BEAM , 1, 7, 96, 100, 0, 0	2, 255, 0, 0, 0, 255, 0, 0, 0, 255,	:	[SIZE-B]-j
120. BEAM , 1, 7, 100, 101, 0, 0	NO, 0.5	:	: 9th line(STYPE=CMP-CI/CT)
121. BEAM , 1, 7, 101, 102, 0, 0	*SECTION : Section	:	[SIZE-C]-j
122. BEAM , 1, 6, 99, 103, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],	:	: 10th line(STYPE=CMP-CI/CT)
123. BEAM , 1, 6, 102, 104, 0, 0	[DATA2] : 1st line - DB/USER	:	[SIZE-D]-j
124. BEAM , 1, 5, 103, 105, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,	:	: 11th line(STYPE=CMP-CI/CT)
125. BEAM , 1, 5, 105, 106, 0, 0	..., DB, ICEL : 1st line - VALUE	:	: ISEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2
126. BEAM , 1, 5, 106, 107, 0, 0	: AREA, ASy, ASz, lxx, lyy, lzz	:	: 1st line - CONSTRUCT
127. BEAM , 1, 5, 107, 108, 0, 0	: 2nd line	:	SHAPE, ...(same with other type data from shape)
128. BEAM , 1, 5, 108, 109, 0, 0	CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,	:	: Before (STYPE1)
129. BEAM , 1, 5, 104, 110, 0, 0	PERI_IN, Cy, Cz : 3rd line	:	SHAPE, ...(same with other type data from shape)
130. BEAM , 1, 5, 110, 111, 0, 0	: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz	:	: After (STYPE2)
131. BEAM , 1, 5, 111, 112, 0, 0	: 4th line	:	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
132. BEAM , 1, 5, 112, 113, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,	:	: 1st line - COMPOSITE-SB
133. BEAM , 1, 5, 113, 114, 0, 0	DEN, POIS, POIC, SF, THERMAL : 1st line - SRC	:	Hw, tw, B, Bf1, tf1, B2, Bf2, tf2
134. BEAM , 1, 4, 109, 115, 0, 0	: D1, D2, [SRC]	:	: 2nd line
135. BEAM , 1, 4, 114, 116, 0, 0	: 2nd line	:	N1, N2, Hr, Hr2, tr1, tr2
136. BEAM , 1, 3, 115, 117, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,	:	: 3rd line
137. BEAM , 1, 3, 117, 118, 0, 0	NAME1, NAME2, D1, D2 : 1st line - COMBINED	:	SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
138. BEAM , 1, 3, 118, 119, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,	:	bMulti, Elong, Esh : 4th line
139. BEAM , 1, 3, 116, 120, 0, 0	D12, D13, D14, D15, D21, D22, D23, D24	:	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
140. BEAM , 1, 3, 120, 121, 0, 0	: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,	:	: 1st line - COMPOSITE-SI
141. BEAM , 1, 3, 121, 122, 0, 0	izVAR, STYPE : 1st line - TAPERED	:	Hw, tw, B, tf1, B2, tf2
142. BEAM , 1, 2, 119, 123, 0, 0	: DB, NAME1, NAME2	:	: 2nd line
143. BEAM , 1, 2, 122, 124, 0, 0	: 2nd line(STYPE=DB)	:	SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
144. BEAM , 1, 1, 123, 125, 0, 0	: [DIM1], [DIM2]	:	bMulti, Elong, Esh : 3rd line
145. BEAM , 1, 1, 125, 126, 0, 0	: 2nd line(STYPE=USER)	:	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
146. BEAM , 1, 1, 124, 127, 0, 0	: D11, D12, D13, D14, D15, D16, D17, D18	:	: 1st line - COMPOSITE-CI/CT
147. BEAM , 1, 1, 127, 128, 0, 0	: 2nd line(STYPE=VALUE)	:	OPT1, OPT2, [JOINT]
148. BEAM , 1, 31, 77, 129, 0, 0	: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1	:	: 2nd line
149. BEAM , 1, 30, 129, 130, 0, 0	: 3rd line(STYPE=VALUE)	:	[SIZE-A]
150. BEAM , 1, 29, 130, 131, 0, 0	: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,	:	: 3rd line
151. BEAM , 1, 28, 131, 132, 0, 0	PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th	:	[SIZE-B]
152. BEAM , 1, 27, 132, 133, 0, 0	line(STYPE=VALUE)	:	: 4th line
153. BEAM , 1, 26, 133, 134, 0, 0	: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,	:	[SIZE-C]
154. BEAM , 1, 26, 134, 135, 0, 0	Zyy2	:	: 5th line
155. BEAM , 1, 25, 135, 136, 0, 0	: D21, D22, D23, D24, D25, D26, D27, D28	:	[SIZE-D]
156. BEAM , 1, 24, 136, 137, 0, 0	: 6th line(STYPE=VALUE)	:	: 6th line
157. BEAM , 1, 23, 137, 138, 0, 0	: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2	:	SW, GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb,
158. BEAM , 1, 23, 138, 139, 0, 0	: 7th line(STYPE=VALUE)	:	Pgd, Psb : 7th line
159. BEAM , 1, 23, 139, 140, 0, 0	: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,	:	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
160. BEAM , 1, 22, 140, 141, 0, 0	PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th	:	: 1st line - PSC
161. BEAM , 1, 21, 141, 142, 0, 0	line(STYPE=VALUE)	:	OPT1, OPT2, [JOINT]
162. BEAM , 1, 21, 142, 143, 0, 0	: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,	:	: 2nd line
163. BEAM , 1, 21, 143, 144, 0, 0	Zzz2	:	bSHEARCHK, [SCHK], [WT], WIDTH, bSYM,
164. BEAM , 1, 21, 144, 145, 0, 0	: OPT1, OPT2, [JOINT]	:	bSIDEHOLE : 3rd line
165. BEAM , 1, 21, 145, 146, 0, 0	: 2nd line(STYPE=PSC)	:	bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
166. BEAM , 1, 20, 146, 147, 0, 0	: ELAST, DEN, POIS, POIC, THERMAL	:	[STIFF] : 4th line
167. BEAM , 1, 19, 147, 148, 0, 0	: 2nd line(STYPE=PSC-CMPW)	:	[SIZE-A]
168. BEAM , 1, 19, 148, 149, 0, 0	: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],	:	: 5th line
169. BEAM , 1, 19, 149, 150, 0, 0	[WT-J], Wl, Wj, bSYM, bSIDEHOLE : 3rd	:	[SIZE-B]
170. BEAM , 1, 18, 150, 151, 0, 0	line(STYPE=PSC)	:	: 6th line
171. BEAM , 1, 17, 151, 152, 0, 0	: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],	:	[SIZE-C]
172. BEAM , 1, 17, 152, 153, 0, 0	[CMPWEB-J] : 3rd	:	: 7th line
173. BEAM , 2, 16, 78, 77, 0, 0	line(STYPE=PSC-CMPW)	:	[SIZE-D]
174. BEAM , 2, 16, 77, 76, 0, 0	: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,	:	: 8th line
175. BEAM , 2, 16, 84, 131, 0, 0	[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)	:	[DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6,
176. BEAM , 2, 16, 131, 83, 0, 0	:	:	D7, D8, D9, D10
177. BEAM , 2, 16, 91, 134, 0, 0	: 5th line(STYPE=PSC)	:	: [DATA2] : CSHAPE or ICEL or iN1, iN2
178. BEAM , 2, 16, 134, 89, 0, 0	[SIZE-B]-i	:	: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4,
179. BEAM , 2, 16, 100, 138, 0, 0	: 6th line(STYPE=PSC)	:	D5, D6, D7, D8, D9, D10, iN1, iN2
180. BEAM , 2, 16, 138, 97, 0, 0	[SIZE-C]-i	:	: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
181. BEAM , 2, 16, 101, 139, 0, 0	: 7th line(STYPE=PSC)	:	: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER,
182. BEAM , 2, 16, 139, 98, 0, 0	[SIZE-D]-i	:	iVERT, VUSER
183. BEAM , 2, 16, 110, 142, 0, 0	: 8th line(STYPE=PSC)	:	: [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI,
184. BEAM , 2, 16, 142, 105, 0, 0	[SIZE-A]-j	:	HUSERJ, iVERT, VUSERI, VUSERJ
185. BEAM , 2, 16, 111, 143, 0, 0	: 9th line(STYPE=PSC)	:	: [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM),
186. BEAM , 2, 16, 143, 106, 0, 0	[SIZE-B]-j	:	8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
187. BEAM , 2, 16, 113, 145, 0, 0	: 10th line(STYPE=PSC)	:	: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM),
188. BEAM , 2, 16, 145, 108, 0, 0	[SIZE-C]-j	:	6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
189. BEAM , 2, 16, 120, 148, 0, 0	: 11th line(STYPE=PSC)	:	: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM),
190. BEAM , 2, 16, 148, 117, 0, 0	[SIZE-D]-j	:	6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
191. BEAM , 2, 16, 121, 149, 0, 0	: 12th line(STYPE=PSC)	:	: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM),
192. BEAM , 2, 16, 149, 118, 0, 0	:	:	10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
193. BEAM , 2, 16, 127, 152, 0, 0	: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,	:	: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM),
194. BEAM , 2, 16, 152, 125, 0, 0	bMULTI, EsEc-L, EsEc-S : 2nd	:	7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
*MATERIAL : Material	line(STYPE=CMP-B/I)	:	: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,	: SW_i, Hw_i, tw_i, B_j, Bf1_i, tf1_i, B2_i, Bf2_i,	:	: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
bMASS, DAMPRATIO, [DATA1] : STEEL, CONC,	tf2_i : 3rd line(STYPE=CMP-B/I)	:	: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,
USER	: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,	:	bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,	tf2_j : 4th line(STYPE=CMP-B/I)	:	: [CMPWEB] : EFD, LRF, A, B, H, T
bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC	: N1, N2, Hr, Hr2, tr1, tr2	:	1, COMPOSITE , 1 , CC, 0, 0, 0, 0,
: [DATA1] : 1, DB, NAME, CODE	: 5th line(STYPE=CMP-B)	:	0, 0, YES, B
: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS	: GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb, Pgd,	:	2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz,	Psb, bSYM, SW_j, SW_j : 2nd	:	1, 0, 0, 0, 3, 5
Pxy, Pxz, Pyz, DEN, MASS : Orthotropic	line(STYPE=CMP-CI/CT)	:	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,	: OPT1, OPT2, [JOINT]	:	0
	: 3rd line(STYPE=CMP-CI/CT)	:	

15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 26, COMPOSITE , G2-10 , CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.022 1, 0, 0, 0, 5, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 27, COMPOSITE , G2-11 , CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.022 1, 0, 0, 0, 5, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 28, COMPOSITE , G2-12 , CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034 1, 0, 0, 0, 5, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 29, COMPOSITE , G2-12-1 , CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034 1, 0, 0, 0, 5, 3 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO 15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 30, COMPOSITE , G2-13 , CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.014, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034 1, 0, 0, 0, 5, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 31, COMPOSITE , G2-14 , CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.014, 2.5, 0.1, 0.032, 2.5, 0.1, 0.034 1, 0, 0, 0, 5, 3 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO 15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , *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 22, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 23, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 24, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 25, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 26, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 27, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 28, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 29, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 30, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 31, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 *DGN-SECT : ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] : 1st line - DB/USER : ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., DB, ICEL : 1st line - VALUE : AREA, ASy, ASz, lxx, lyy, lzz : 2nd line : CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd line : Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line : ISEC, TYPE, SNAME, [OFFSET], bSD, 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, lxx1, lyy1, lzz1 : 3rd line(STYPE=VALUE) : CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th line(STYPE=VALUE) : Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 : 5th line(STYPE=VALUE) : D21, D22, D23, D24, D25, D26, D27, D28 : 6th line(STYPE=VALUE) : AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 : 7th line(STYPE=VALUE) : CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th line(STYPE=VALUE) : Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 : 9th line(STYPE=VALUE) : OPT1, OPT2, [JOINT] : 2nd line(STYPE=PSC) : ELAST, DEN, POIS, POIC, THERMAL : 2nd line(STYPE=PSC-CMPW) : bSSEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd line(STYPE=PSC) : bSSEARCHK, bSYM, bHUNCH, [CMPWEB-I],	[CMPWEB-J] : 3rd line(STYPE=PSC-CMPW) : bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] : 4th line(STYPE=PSC) : [SIZE-A]-i : 5th line(STYPE=PSC) : [SIZE-B]-i : 6th line(STYPE=PSC) : [SIZE-C]-i : 7th line(STYPE=PSC) : [SIZE-D]-i : 8th line(STYPE=PSC) : [SIZE-A]-j : 9th line(STYPE=PSC) : [SIZE-B]-j : 10th line(STYPE=PSC) : [SIZE-C]-j : 11th line(STYPE=PSC) : [SIZE-D]-j : 12th line(STYPE=PSC) : GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 2nd line(STYPE=CMP-B/I) : SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i : 3rd line(STYPE=CMP-B/I) : SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 4th line(STYPE=CMP-B/I) : N1, N2, Hr, Hr2, tr1, tr2 : 5th line(STYPE=CMP-B) : GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j : 2nd line(STYPE=CMP-CI/CT) : OPT1, OPT2, [JOINT] : 3rd line(STYPE=CMP-CI/CT) : [SIZE-A]-i : 4th line(STYPE=CMP-CI/CT) : [SIZE-B]-i : 5th line(STYPE=CMP-CI/CT) : [SIZE-C]-i : 6th line(STYPE=CMP-CI/CT) : [SIZE-D]-i : 7th line(STYPE=CMP-CI/CT) : [SIZE-A]-j : 8th line(STYPE=CMP-CI/CT) : [SIZE-B]-j : 9th line(STYPE=CMP-CI/CT) : [SIZE-C]-j : 10th line(STYPE=CMP-CI/CT) : [SIZE-D]-j : 11th line(STYPE=CMP-CI/CT) : ISEC, TYPE, SNAME, [OFFSET], bSD, 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 : bSSEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line : bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] : 4th line : [SIZE-A] : 5th line : [SIZE-B] : 6th line : [SIZE-C]
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	: 7th line	0.416, 0, NO, 0.416, 0, NO	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
:	[SIZE-D]	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	0
	: 8th line	0.3, 0.18, 1.2, NO, ,	0
:	[DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10	7, COMPOSITE , 7, CC, 0, 0, 0, 0,	5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
:	[DATA2] : CCSHAPE or ICEL or iN1, iN2	0, 0, YES, B	0.416, 0, NO, 0.416, 0, NO
:	[SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2	2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
:	[DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8	1, 0, 0, 0, 3, 5	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,
:	[OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	0.3, 0.18, 1.2, NO, ,
:	[OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERi, HUSERj, iVERT, VUSERi, VUSERj	0	15, COMPOSITE , 12-1, CC, 0, 0, 0, 0,
:	[JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)	0	0, 0, YES, B
:	[SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO	2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034
:	[SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,	1, 0, 0, 0, 5, 3
:	[SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)	0.416, 0, NO, 0.416, 0, NO	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
:	[SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	0
:	[STIFF] : AREA, ASy, ASz, lxx, lyy, lzz	0.3, 0.18, 1.2, NO, ,	5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
:	[SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3	8, COMPOSITE , 8, CC, 0, 0, 0, 0,	0.416, 0, NO, 0.416, 0, NO
:	[WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3	0, 0, YES, B	2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
:	[CMPWEB] : EFD, LRF, A, B, H, T	1, 0, 0, 0, 5, 5	1, 0, 0, 0, 3, 5
	1, COMPOSITE , 1, CC, 0, 0, 0, 0,	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
0, 0, YES, B		0	0
	2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012	5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
	1, 0, 0, 0, 3, 5	0.416, 0, NO, 0.416, 0, NO	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	0.416, 0, NO, 0.416, 0, NO	0.416, 0, NO, 0.416, 0, NO
	0	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.416, 0, NO, 0.416, 0, NO		0.3, 0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
	2, COMPOSITE , 2, CC, 0, 0, 0, 0,	10, COMPOSITE , 10, CC, 0, 0, 0, 0,	18, COMPOSITE , G2-2, CC, 0, 0, 0, 0,
0, 0, YES, B		0, 0, YES, B	0, 0, YES, B
	2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014	2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.016	2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 5, 5	1, 0, 0, 0, 3, 5
	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
	0	0	0
	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO	5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,	0.416, 0, NO, 0.416, 0, NO	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO		0.416, 0, NO, 0.416, 0, NO	0.416, 0, NO, 0.416, 0, NO
	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.3, 0.18, 1.2, NO, ,		0.3, 0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
	3, COMPOSITE , 3, CC, 0, 0, 0, 0,	11, COMPOSITE , 11, CC, 0, 0, 0, 0,	19, COMPOSITE , G2-3, CC, 0, 0, 0, 0,
0, 0, YES, B		0, 0, YES, B	0, 0, YES, B
	2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.014	2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.022	2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.014
	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 5, 5	1, 0, 0, 0, 3, 5
	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
	0	0	0
	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO	5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,	0.416, 0, NO, 0.416, 0, NO	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO		0.416, 0, NO, 0.416, 0, NO	0.416, 0, NO, 0.416, 0, NO
	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.3, 0.18, 1.2, NO, ,		0.3, 0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
	4, COMPOSITE , 4, CC, 0, 0, 0, 0,	12, COMPOSITE , 12, CC, 0, 0, 0, 0,	20, COMPOSITE , G2-4, CC, 0, 0, 0, 0,
0, 0, YES, B		0, 0, YES, B	0, 0, YES, B
	2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.02	2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.022	2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.02
	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 5, 5	1, 0, 0, 0, 3, 5
	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
	0	0	0
	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO	5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,	0.416, 0, NO, 0.416, 0, NO	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO		0.416, 0, NO, 0.416, 0, NO	0.416, 0, NO, 0.416, 0, NO
	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.3, 0.18, 1.2, NO, ,		0.3, 0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
	5, COMPOSITE , 5, CC, 0, 0, 0, 0,	13, COMPOSITE , 13, CC, 0, 0, 0, 0,	21, COMPOSITE , G2-5, CC, 0, 0, 0, 0,
0, 0, YES, B		0, 0, YES, B	0, 0, YES, B
	2.4, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02	2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034	2.4, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 5, 5	1, 0, 0, 0, 3, 5
	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
	0	0	0
	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO	5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,	0.416, 0, NO, 0.416, 0, NO	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO		0.416, 0, NO, 0.416, 0, NO	0.416, 0, NO, 0.416, 0, NO
	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,	15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.3, 0.18, 1.2, NO, ,		0.3, 0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
	6, COMPOSITE , 6, CC, 0, 0, 0, 0,	14, COMPOSITE , 14, CC, 0, 0, 0, 0,	22, COMPOSITE , G2-6, CC, 0, 0, 0, 0,
0, 0, YES, B		0, 0, YES, B	0, 0, YES, B
	2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02	2.4, 0.014, 2.5, 0.1, 0.032, 2.5, 0.1, 0.034	2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02
	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 5, 3	1, 0, 0, 0, 3, 5
	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0		1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
	0		0
	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO		3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
	5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,		5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO			0.416, 0, NO, 0.416, 0, NO
	15.75, 3, 5.5, 5.125, 0.25, 0.05, 7.94851, 0,		15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.3, 0.18, 1.2, NO, ,			0.18, 1.2, NO, ,
	7, COMPOSITE , 7, CC, 0, 0, 0, 0,		23, COMPOSITE , G2-7, CC, 0, 0, 0, 0,
0, 0, YES, B			0, 0, YES, B

```
2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
24, COMPOSITE , G2-8 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
25, COMPOSITE , G2-9 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.016
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
26, COMPOSITE , G2-10 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
27, COMPOSITE , G2-11 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
28, COMPOSITE , G2-12 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
12.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
29, COMPOSITE , G2-12-1 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
30, COMPOSITE , G2-13 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.014, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO,
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0.416, 0, NO, 0.416, 0, NO
12.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
31, COMPOSITE , G2-14 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.014, 2.5, 0.1, 0.032, 2.5, 0.1, 0.034
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
15.75, 3, 5.5, 5.5, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
*STLOCASE : Static Load Cases
: LCNAME, LCTYPE, DESC
자중 , D ,
슬래브하중, D ,
방호벽하중, D ,
포장하중, D ,
단위모멘트, USER,
*CONSTRAINT : Supports
: NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
76to78, 111000,
23 48 73 125 127 152, 011000,
*OFFSET : Beam End Offsets
: ELEM_LIST, TYPE, RGDXi, RGDI, RGDI, RGDI, RGDI,
RGDI, RGDI, GROUP : TYPE=GLOBAL
: ELEM_LIST, TYPE, RGDI, RGDI, RGDI, RGDI,
: TYPE=ELEMENT
76, ELEMENT, 0, 1.2,
77, ELEMENT, 1.2, 0,
78, ELEMENT, 0, 1.2,
79, ELEMENT, 1.2, 0,
80, ELEMENT, 0, 1.2,
81, ELEMENT, 1.2, 0,
82, ELEMENT, 0, 1.2,
83, ELEMENT, 1.2, 0,
84, ELEMENT, 0, 1.2,
85, ELEMENT, 1.2, 0,
86, ELEMENT, 0, 1.2,
87, ELEMENT, 1.2, 0,
88, ELEMENT, 0, 1.2,
89, ELEMENT, 1.2, 0,
90, ELEMENT, 0, 1.2,
91, ELEMENT, 1.2, 0,
92, ELEMENT, 0, 1.2,
93, ELEMENT, 1.2, 0,
94, ELEMENT, 0, 1.2,
95, ELEMENT, 1.2, 0,
96, ELEMENT, 0, 1.2,
97, ELEMENT, 1.2, 0,
173, ELEMENT, 0, 1.2,
174, ELEMENT, 1.2, 0,
175, ELEMENT, 0, 1.2,
176, ELEMENT, 1.2, 0,
177, ELEMENT, 0, 1.2,
178, ELEMENT, 1.2, 0,
179, ELEMENT, 0, 1.2,
180, ELEMENT, 1.2, 0,
181, ELEMENT, 0, 1.2,
182, ELEMENT, 1.2, 0,
183, ELEMENT, 0, 1.2,
184, ELEMENT, 1.2, 0,
185, ELEMENT, 0, 1.2,
186, ELEMENT, 1.2, 0,
187, ELEMENT, 0, 1.2,
188, ELEMENT, 1.2, 0,
189, ELEMENT, 0, 1.2,
190, ELEMENT, 1.2, 0,
191, ELEMENT, 0, 1.2,
192, ELEMENT, 1.2, 0,
193, ELEMENT, 0, 1.2,
194, ELEMENT, 1.2, 0,
*USE-STLD, 자중
*SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
: End of data for load case [자중]
-----
*USE-STLD, 슬래브하중
*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_J-END,
ADDITIONAL_J-END, bADDITIONAL_J-END
1, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
1, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
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2, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 7.087, 1, 7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, -7.087, 1, -7.087, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-37.797, 1, -37.797, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
```

[illegible]

[illegible]

NO, 0			158, 2.4925, 0.167, NO, 0,	157, 2.4925,	: [TRUCK/LANE] : 2, P, Qm, Qq
106, 0.795, 0.167, NO, 0,	104, 0.795, 0.167,	0.167, NO, 0	156, 2.4925, 0.167, NO, 0,	155, 2.4925,	: lane load1
NO, 0	102, 0.795, 0.167, NO, 0,	0.167, NO, 0	154, 2.4925, 0.167, NO, 0,	153, 2.4925,	: [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2
NO, 0	98, 0.795, 0.167, NO, 0,	1, 0.795, 0.167,	152, 2.4925, 0.167, NO, 0,	151, 2.4925,	: lane load2
NO, 0	3, 0.795, 0.167, NO, 0,	5, 0.795, 0.167,	150, 2.4925, 0.167, NO, 0,	149, 2.4925,	: [TRUCK/LANE] : 4, dW, dD
NO, 0	7, 0.795, 0.167, NO, 0,	9, 0.795, 0.167,	148, 2.4925, 0.167, NO, 0,	51, 2.4925,	: crawler type
NO, 0	11, 0.795, 0.167, NO, 0,	12, 0.795, 0.167,	146, 2.4925, 0.167, NO, 0,	50, 2.4925,	: [TRUCK/LANE] : 5
NO, 0	15, 0.795, 0.167, NO, 0,	17, 0.795, 0.167,	144, 2.4925, 0.167, NO, 0,	49, 2.4925,	: GC type load
NO, 0	19, 0.795, 0.167, NO, 0,	20, 0.795, 0.167,	142, 2.4925, 0.167, NO, 0,	48, 2.4925,	: [TRAIN/SUBWAY] : iTYPE, W1, D1, W2, D2
NO, 0	21, 0.795, 0.167, NO, 0,	25, 0.795, 0.167,	140, 2.4925, 0.167, NO, 0,	47, 2.4925,	: train-type1,3
NO, 0	27, 0.795, 0.167, NO, 0,	28, 0.795, 0.167,	138, 2.4925, 0.167, NO, 0,	46, 2.4925,	: [TRAIN/SUBWAY] : iTYPE, DD, FD, BD, MAINCOUNT
NO, 0	29, 0.795, 0.167, NO, 0,	30, 0.795, 0.167,	136, 2.4925, 0.167, NO, 0,	45, 2.4925,	: train-type2
NO, 0	31, 0.795, 0.167, NO, 0,	37, 0.795, 0.167,	134, 2.4925, 0.167, NO, 0,	44, 2.4925,	: [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD,
NO, 0	39, 0.795, 0.167, NO, 0,	40, 0.795, 0.167,	132, 2.4925, 0.167, NO, 0,	43, 2.4925,	Po, n, IFR : subway
NO, 0	41, 0.795, 0.167, NO, 0,	45, 0.795, 0.167,	130, 2.4925, 0.167, NO, 0,	42, 2.4925,	: [CROWD] : 1, dW1
NO, 0	47, 0.795, 0.167, NO, 0,	48, 0.795, 0.167,	128, 2.4925, 0.167, NO, 0,	41, 2.4925,	: crowd-type1
NO, 0	NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO	172, -1.105, 0.167, YES, 0,	171, -1.105,	40, 2.4925,	: [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH
0.167, NO, 0	170, -1.105, 0.167, NO, 0,	169, -1.105,	168, -1.105,	39, 2.4925,	: crowd-type2
0.167, NO, 0	168, -1.105, 0.167, NO, 0,	167, -1.105,	166, -1.105,	38, 2.4925,	: if Moving Load Type is India
0.167, NO, 0	166, -1.105, 0.167, NO, 0,	165, -1.105,	164, -1.105,	37, 2.4925,	: NAME=NAME, 1, TYPE=NAME, CODE
0.167, NO, 0	164, -1.105, 0.167, NO, 0,	163, -1.105,	162, -1.105,	36, 2.4925,	: standard
0.167, NO, 0	162, -1.105, 0.167, NO, 0,	161, -1.105,	160, -1.105,	35, 2.4925,	: NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST
0.167, NO, 0	160, -1.105, 0.167, NO, 0,	159, -1.105,	158, -1.105,	34, 2.4925,	: user: line 1
0.167, NO, 0	158, -1.105, 0.167, NO, 0,	157, -1.105,	156, -1.105,	33, 2.4925,	: NAME=NAME, 2, bWTB, dD1, dD2, NDIST
0.167, NO, 0	156, -1.105, 0.167, NO, 0,	155, -1.105,	154, -1.105,	32, 2.4925,	: user: line 1
0.167, NO, 0	154, -1.105, 0.167, NO, 0,	153, -1.105,	152, -1.105,	31, 2.4925,	: LOAD1, DIST1, LOAD2, DIST2, ...
0.167, NO, 0	152, -1.105, 0.167, NO, 0,	151, -1.105,	150, -1.105,	30, 2.4925,	: user: from line 2
0.167, NO, 0	150, -1.105, 0.167, NO, 0,	149, -1.105,	148, -1.105,	29, 2.4925,	: if Moving Load Code is CANADA
0.167, NO, 0	148, -1.105, 0.167, NO, 0,	51, -1.105,	146, -1.105,	28, 2.4925,	: NAME=NAME, 1, TYPE=NAME, DLA, CODE, [DYNA]
0.167, NO, 0	146, -1.105, 0.167, NO, 0,	53, -1.105,	144, -1.105,	27, 2.4925,	: standard
0.167, NO, 0	144, -1.105, 0.167, NO, 0,	55, -1.105,	142, -1.105,	26, 2.4925,	: NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2),
0.167, NO, 0	142, -1.105, 0.167, NO, 0,	57, -1.105,	140, -1.105,	25, 2.4925,	PLV(D2), NDIST, [DYNA] : user: line 1
0.167, NO, 0	140, -1.105, 0.167, NO, 0,	59, -1.105,	138, -1.105,	24, 2.4925,	: LOAD1, DIST1, LOAD2, DIST2, ...
0.167, NO, 0	138, -1.105, 0.167, NO, 0,	159, -1.105,	136, -1.105,	23, 2.4925,	: user: from line 2
0.167, NO, 0	136, -1.105, 0.167, NO, 0,	157, -1.105,	134, -1.105,	22, 2.4925,	: [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE
0.167, NO, 0	134, -1.105, 0.167, NO, 0,	155, -1.105,	132, -1.105,	21, 2.4925,	: Dynamic Load Allowance
0.167, NO, 0	132, -1.105, 0.167, NO, 0,	153, -1.105,	130, -1.105,	20, 2.4925,	: if Moving Load Code is BS
0.167, NO, 0	130, -1.105, 0.167, NO, 0,	151, -1.105,	128, -1.105,	19, 2.4925,	: NAME=NAME, 1, TYPE=NAME, CODE, UNITNUM
0.167, NO, 0	128, -1.105, 0.167, NO, 0,	149, -1.105,	126, -1.105,	18, 2.4925,	: standard
0.167, NO, 0	126, -1.105, 0.167, NO, 0,	147, -1.105,	124, -1.105,	17, 2.4925,	: NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4
0.167, NO, 0	124, -1.105, 0.167, NO, 0,	145, -1.105,	122, -1.105,	16, 2.4925,	: HA, HA & HB, HA & HB(Auto)
0.167, NO, 0	122, -1.105, 0.167, NO, 0,	143, -1.105,	120, -1.105,	15, 2.4925,	: NAME=NAME, 2, iSTYPE, W1, W2, W3, L, Pa, Pb, D1,
0.167, NO, 0	120, -1.105, 0.167, NO, 0,	141, -1.105,	118, -1.105,	14, 2.4925,	D2, d, UNITNUM : user(BS 5400)
0.167, NO, 0	118, -1.105, 0.167, NO, 0,	139, -1.105,	116, -1.105,	13, 2.4925,	: NAME=NAME, 2, iSTYPE, [BD37/01-HA],
0.167, NO, 0	116, -1.105, 0.167, NO, 0,	137, -1.105,	114, -1.105,	12, 2.4925,	[BS-DATA-LF] : user(HA)
0.167, NO, 0	114, -1.105, 0.167, NO, 0,	135, -1.105,	112, -1.105,	11, 2.4925,	: NAME=NAME, 2, iSTYPE, [BS-DATA-HB]
0.167, NO, 0	112, -1.105, 0.167, NO, 0,	133, -1.105,	110, -1.105,	10, 2.4925,	: user(HB)
0.167, NO, 0	110, -1.105, 0.167, NO, 0,	131, -1.105,	108, -1.105,	9, 2.4925,	: NAME=NAME, 2, iSTYPE, [BD37/01-HA2],
0.167, NO, 0	108, -1.105, 0.167, NO, 0,	129, -1.105,	106, -1.105,	8, 2.4925,	[BS-DATA-HB2], [BS-DATA-LF] : user(HA&HB)
0.167, NO, 0	106, -1.105, 0.167, NO, 0,	127, -1.105,	104, -1.105,	7, 2.4925,	: NAME=NAME, 2, iSTYPE, [BD37/01-HA],
0.167, NO, 0	104, -1.105, 0.167, NO, 0,	125, -1.105,	102, -1.105,	6, 2.4925,	[BD37/01-HB], [BS-DATA-LF] : user(HA&HB(AUTO))
0.167, NO, 0	102, -1.105, 0.167, NO, 0,	123, -1.105,	100, -1.105,	5, 2.4925,	: NAME=NAME, 2, iSTYPE, W, L
0.167, NO, 0	100, -1.105, 0.167, NO, 0,	121, -1.105,	98, -1.105,	4, 2.4925,	: user(Pedestrian)
0.167, NO, 0	98, -1.105, 0.167, NO, 0,	119, -1.105,	96, -1.105,	3, 2.4925,	: NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1,
0.167, NO, 0	96, -1.105, 0.167, NO, 0,	117, -1.105,	94, -1.105,	2, 2.4925,	P2, D2, ... : user(Special Vehicle)
0.167, NO, 0	94, -1.105, 0.167, NO, 0,	115, -1.105,	92, -1.105,	1, 2.4925,	: [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa
0.167, NO, 0	92, -1.105, 0.167, NO, 0,	113, -1.105,	90, -1.105,	0, 2.4925,	: [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
0.167, NO, 0	90, -1.105, 0.167, NO, 0,	111, -1.105,	88, -1.105,	0, 2.4925,	: [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
0.167, NO, 0	88, -1.105, 0.167, NO, 0,	109, -1.105,	86, -1.105,	0, 2.4925,	: [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
0.167, NO, 0	86, -1.105, 0.167, NO, 0,	107, -1.105,	84, -1.105,	0, 2.4925,	: [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
0.167, NO, 0	84, -1.105, 0.167, NO, 0,	105, -1.105,	82, -1.105,	0, 2.4925,	: if Moving Load Code is EUROC CODE
0.167, NO, 0	82, -1.105, 0.167, NO, 0,	103, -1.105,	80, -1.105,	0, 2.4925,	: NAME=NAME, 1, iTYPE, TYPE=NAME, PSY1, PSY2, PHI,
0.167, NO, 0	80, -1.105, 0.167, NO, 0,	101, -1.105,	78, -1.105,	0, 2.4925,	[AF7] : standard (LM1, FLM1)
0.167, NO, 0	78, -1.105, 0.167, NO, 0,	99, -1.105,	76, -1.105,	0, 2.4925,	: NAME=NAME, 1, iTYPE, TYPE=NAME, bDF, bU, PHI,
0.167, NO, 0	76, -1.105, 0.167, NO, 0,	97, -1.105,	74, -1.105,	0, 2.4925,	PSY, ADJ, IN : standard (others)
0.167, NO, 0	74, -1.105, 0.167, NO, 0,	95, -1.105,	72, -1.105,	0, 2.4925,	: NAME=NAME, 2, 1, [AF7]
0.167, NO, 0	72, -1.105, 0.167, NO, 0,	93, -1.105,	70, -1.105,	0, 2.4925,	: user(Type 1)
0.167, NO, 0	70, -1.105, 0.167, NO, 0,	91, -1.105,	68, -1.105,	0, 2.4925,	: [LOAD7], D, PHI, TPSY, UPSY
0.167, NO, 0	68, -1.105, 0.167, NO, 0,	89, -1.105,	66, -1.105,	0, 2.4925,	: user(Type 1): line 2
0.167, NO, 0	66, -1.105, 0.167, NO, 0,	87, -1.105,	64, -1.105,	0, 2.4925,	: NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1,
0.167, NO, 0	64, -1.105, 0.167, NO, 0,	85, -1.105,	62, -1.105,	0, 2.4925,	P2, D2, ... : user(Type 2)
0.167, NO, 0	62, -1.105, 0.167, NO, 0,	83, -1.105,	60, -1.105,	0, 2.4925,	: NAME=NAME, 2, 3
0.167, NO, 0	60, -1.105, 0.167, NO, 0,	81, -1.105,	58, -1.105,	0, 2.4925,	: user(Type 3)
0.167, NO, 0	58, -1.105, 0.167, NO, 0,	79, -1.105,	56, -1.105,	0, 2.4925,	: [LOADCASE1]
0.167, NO, 0	56, -1.105, 0.167, NO, 0,	77, -1.105,	54, -1.105,	0, 2.4925,	: user(Type 3): line 2
0.167, NO, 0	54, -1.105, 0.167, NO, 0,	75, -1.105,	52, -1.105,	0, 2.4925,	: [LOADCASE2]
0.167, NO, 0	52, -1.105, 0.167, NO, 0,	73, -1.105,	50, -1.105,	0, 2.4925,	: user(Type 3): line 3
0.167, NO, 0	50, -1.105, 0.167, NO, 0,	71, -1.105,	48, -1.105,	0, 2.4925,	: [LOADCASE3]
0.167, NO, 0	48, -1.105, 0.167, NO, 0,	69, -1.105,	46, -1.105,	0, 2.4925,	: user(Type 3): line 4
0.167, NO, 0	46, -1.105, 0.167, NO, 0,	67, -1.105,	44, -1.105,	0, 2.4925,	: NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI,
0.167, NO, 0	44, -1.105, 0.167, NO, 0,	65, -1.105,	42, -1.105,	0, 2.4925,	F, P1, D1, P2, D2, ... : user(Type 4)
0.167, NO, 0	42, -1.105, 0.167, NO, 0,	63, -1.105,	40, -1.105,	0, 2.4925,	: NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2
0.167, NO, 0	40, -1.105, 0.167, NO, 0,	61, -1.105,	38, -1.105,	0, 2.4925,	: user(Type 5)
0.167, NO, 0	38, -1.105, 0.167, NO, 0,	59, -1.105,	36, -1.105,	0, 2.4925,	: [VEHICLE1]
0.167, NO, 0	36, -1.105, 0.167, NO, 0,	57, -1.105,	34, -1.105,	0, 2.4925,	: user(Type 5): line 2
0.167, NO, 0	34, -1.105, 0.167, NO, 0,	55, -1.105,	32, -1.105,	0, 2.4925,	: [VEHICLE2]
0.167, NO, 0	32, -1.105, 0.167, NO, 0,	53, -1.105,	30, -1.105,	0, 2.4925,	: user(Type 5): line 3
0.167, NO, 0	30, -1.105, 0.167, NO, 0,	51, -1.105,	28, -1.105,	0, 2.4925,	: [VEHICLE3]
0.167, NO, 0	28, -1.105, 0.167, NO, 0,	49, -1.105,	26, -1.105,	0, 2.4925,	: user(Type 5): line 4
0.167, NO, 0	26, -1.105, 0.167, NO, 0,	47, -1.105,	24, -1.105,	0, 2.4925,	: [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4
0.167, NO, 0	24, -1.105, 0.167, NO, 0,	45, -1.105,	22, -1.105,	0, 2.4925,	: adjustment factor
0.167, NO, 0	22, -1.105, 0.167, NO, 0,	43, -1.105,	20, -1.105,	0, 2.4925,	: [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4
0.167, NO, 0	20, -1.105, 0.167, NO, 0,	41, -1.105,	18, -1.105,	0, 2.4925,	: tandem/udl loads
0.167, NO, 0	18, -1.105, 0.167, NO, 0,	39, -1.105,	16, -1.105,	0, 2.4925,	: [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2,
0.167, NO, 0	16, -1.105, 0.167, NO, 0,	37, -1.105,	14, -1.105,	0, 2.4925,	: load case
0.167, NO, 0	14, -1.105, 0.167, NO, 0,	35, -1.105,	12, -1.105,	0, 2.4925,	: [VEHICLE] : bUSE, N, P1, L1, P2, L2, ...
0.167, NO, 0	12, -1.105, 0.167, NO, 0,	33, -1.105,	10, -1.105,	0, 2.4925,	
0.167, NO, 0	10, -1.105, 0.167, NO, 0,	31, -1.105,	8, -1.105,	0, 2.4925,	
0.167, NO, 0	8, -1.105, 0.167, NO, 0,	29, -1.105,	6, -1.105,	0, 2.4925,	
0.167, NO, 0	6, -1.105, 0.167, NO, 0,	27, -1.105,	4, -1.105,	0, 2.4925,	
0.167, NO, 0	4, -1.105, 0.167, NO, 0,	25, -1.105,	2, -1.105,	0, 2.4925,	
0.167, NO, 0	2, -1.105, 0.167, NO, 0,	23, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	21, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	19, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	17, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	15, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	13, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	11, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	9, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	7, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	5, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	3, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	1, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	0, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	0, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	0, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.105, 0.167, NO, 0,	0, -1.105,	0, -1.105,	0, 2.4925,	
0.167, NO, 0	0, -1.10				

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: 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 OTHER 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)
: 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

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: 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
*MVLD_CASE : Moving Load Cases
: NAME=NAME, bLCPV, SCALE1, SCALE2, SCALE3,
SCALE4, SCALE5, SCALE6, COMB, DESC, LCOM, SERIAL
: 1st line
: nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1,
3LFACTOR2, 3LFACTOR3, 3LFACTOR4 :
2st line
: TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1, LANE11,
LANE12, ... : 3nd line
: ...
: TYPEn, VCLASSn, SCALEn, iMINn, iMAXn, LANEn1,
LANEn2, ... : n+1th line
: NAME=NAME, bLCPV, VEHICLE, REFLANE, ECCEN,
SCALE, DESC :
Permit
NAME=활하중(DB하중), 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, 4, L1, L2, L3, L4
NAME=활하중(DL하중), NO, 1, 1, 0.9, 0.75, 0.75, 0.75,
INDEPENDENT, , 0, 2
1, 1, 1, 1, 1, 0.5, 0.25
VL, DL-24, 1, 1, 4, L1, L2, L3, L4
NAME=활하중, NO, 1, 1, 0.9, 0.75, 0.75, 0.75,
INDEPENDENT, , 0, 3
1, 1, 1, 1, 1, 0.5, 0.25
VL, DB-24, 1, 1, 4, L1, L2, L3, L4
VL, DL-24, 1, 1, 4, L1, L2, L3, L4
*SM-GROUP : Settlement Group
: GRNAME, DISPLACEMENT, NODE_LIST
A1, -0.01, 125 127 152
P1, -0.01, 76to78
A2, -0.01, 23 48 73
*SMLD_CASE : Settlement Load Cases
: NAME=NAME, iSMIN, iSMAX, SCALE, DESC : line 1
: GRNAME1, GRNAME2, ... : from line 2
NAME=지점침하, 1, 3, 1,
A1, P1, A2
*LOADCOMB : Combinations
: NAME=NAME, KIND, ACTIVE, bES, ITYPE, DESC,
ISERV-TYPE, nLCOMTYPE : line 1
: ANAL1, LCNAME1, FACT1, ...
: from line 2
NAME=합성전, GEN, ACTIVE, 0, 0, , 0, 0
ST, 자중, 1, ST, 슬래브하중, 1
NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
ST, 방호벽하중, 1, ST, 포장하중, 1
NAME=고정하중, GEN, ACTIVE, 0, 0, , 0, 0
CB, 합성전, 1, CB, 합성후, 1
*LC-COLOR : Diagram Color for Load Case
: ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN),
iG2(MIN), iB2(MIN), iR3(MAX), iG2(MAX), iB2(MAX)
ST, 자중, 163, 160, 255, 192, 0, 192, 0, 128, 255
ST, 슬래브하중, 255, 128, 0, 255, 255, 87, 192, 72, 0
ST, 방호벽하중, 85, 0, 192, 163, 160, 255, 192, 0, 192
ST, 포장하중, 255, 0, 128, 160, 192, 255, 210, 210, 210
ST, 단위모멘트, 255, 0, 128, 0, 192, 192, 192, 192, 192
SM, 지점침하, 0, 192, 192, 163, 255, 160, 255, 255, 255
MV, 활하중(DB하중), 163, 160, 255, 192, 0, 128, 192,
72, 0
MV, 활하중(DL하중), 192, 0, 192, 255, 255, 87, 255,
255, 87
CB, 합성전, 255, 255, 87, 255, 87, 87, 255, 87, 128
CB, 합성후, 192, 192, 0, 255, 128, 0, 0, 192, 192
CB, 고정하중, 163, 255, 160, 163, 255, 160, 85, 0, 192
MV, 활하중, 148, 87, 255, 0, 128, 255, 255, 87, 128
*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

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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, 0,0.0000e+000, 0,, 0, 0,0, 0,
0,0, 0,0,0, 0, 0,0, 0, 0,
2, STEEL, SM400 , 1, KS10-Civil(S),
,SM400 , 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, 0,
*ENDDATA

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■ 청도IC1교 부산방향(S1~S2) 상부 input

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:-----
:
: MIDAS/Civil Text(MCT) File.
: Date : 2015/12/30
:-----
*VERSION
8.4.5
*UNIT      : Unit System
: FORCE, LENGTH, HEAT, TEMPER
KN      , M, KCAL, C
*REBAR-MATL-CODE      : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE      : Nodes
: INO, X, Y, Z
1, 2.8225, 0, 0
2, 4.385, 0, 0
3, 5.01, 0, 0
4, 6.5725, 0, 0
5, 7.1975, 0, 0
6, 10.02, 0, 0
7, 11.5825, 0, 0
8, 12.2075, 0, 0
9, 13.77, 0, 0
10, 15.02, 0, 0
11, 20.02, 0, 0
12, 22.8325, 0, 0
13, 23.4575, 0, 0
14, 25.02, 0, 0
15, 30.02, 0, 0
16, 35.02, 0, 0
17, 37.8425, 0, 0
18, 38.4675, 0, 0
19, 40.03, 0, 0
20, 45.03, 0, 0
21, 45.3625, 0, 0
22, 45.9875, 0, 0
23, 49.6, 0, 0
24, 50, 0, 0
25, 31.25, 0, 0
76, 0, 0, 0
77, -2.8225, 0, 0
78, -4.385, 0, 0
79, -5.01, 0, 0
80, -6.5725, 0, 0
81, -7.1975, 0, 0
82, -10.02, 0, 0
83, -11.5825, 0, 0
84, -12.2075, 0, 0
85, -13.77, 0, 0
86, -15.02, 0, 0
87, -20.02, 0, 0
88, -22.8325, 0, 0
89, -23.4575, 0, 0
90, -25.02, 0, 0
91, -30.02, 0, 0
92, -31.25, 0, 0
93, -35.02, 0, 0
94, -37.8425, 0, 0
95, -38.4675, 0, 0
96, -40.03, 0, 0
97, -45.03, 0, 0
98, -45.3625, 0, 0
99, -45.9875, 0, 0
100, -49.6, 0, 0
101, -50, 0, 0
102, 0, -7.5, 0
103, 2.8225, -7.5, 0
104, 4.385, -7.5, 0
105, 5.01, -7.5, 0
106, 6.5725, -7.5, 0
107, 7.1975, -7.5, 0
108, 10.02, -7.5, 0
109, 11.5825, -7.5, 0
110, 12.2075, -7.5, 0
111, 13.77, -7.5, 0
112, 15.02, -7.5, 0
113, 20.02, -7.5, 0
114, 22.8325, -7.5, 0
115, 23.4575, -7.5, 0
116, 25.02, -7.5, 0
117, 30.02, -7.5, 0
118, 31.25, -7.5, 0
119, 35.02, -7.5, 0
120, 37.8425, -7.5, 0
121, 38.4675, -7.5, 0
122, 40.03, -7.5, 0
123, 45.03, -7.5, 0
124, 45.3625, -7.5, 0
125, 45.9875, -7.5, 0
126, 49.6, -7.5, 0
127, 50, -7.5, 0
128, -2.8225, -7.5, 0

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129, -4.385, -7.5, 0
130, -5.01, -7.5, 0
131, -6.5725, -7.5, 0
132, -7.1975, -7.5, 0
133, -10.02, -7.5, 0
134, -11.5825, -7.5, 0
135, -12.2075, -7.5, 0
136, -13.77, -7.5, 0
137, -15.02, -7.5, 0
138, -20.02, -7.5, 0
139, -22.8325, -7.5, 0
140, -23.4575, -7.5, 0
141, -25.02, -7.5, 0
142, -30.02, -7.5, 0
143, -31.25, -7.5, 0
144, -35.02, -7.5, 0
145, -37.8425, -7.5, 0
146, -38.4675, -7.5, 0
147, -40.03, -7.5, 0
148, -45.03, -7.5, 0
149, -45.3625, -7.5, 0
150, -45.9875, -7.5, 0
151, -49.6, -7.5, 0
152, -50, -7.5, 0
153, 2.8225, -3.75, 0
154, 4.385, -3.75, 0
155, 5.01, -3.75, 0
156, 6.5725, -3.75, 0
157, 7.1975, -3.75, 0
158, 10.02, -3.75, 0
159, 11.5825, -3.75, 0
160, 12.2075, -3.75, 0
161, 13.77, -3.75, 0
162, 15.02, -3.75, 0
163, 20.02, -3.75, 0
164, 22.8325, -3.75, 0
165, 23.4575, -3.75, 0
166, 25.02, -3.75, 0
167, 30.02, -3.75, 0
168, 35.02, -3.75, 0
169, 37.8425, -3.75, 0
170, 38.4675, -3.75, 0
171, 40.03, -3.75, 0
172, 45.03, -3.75, 0
173, 45.3625, -3.75, 0
174, 45.9875, -3.75, 0
175, 49.6, -3.75, 0
176, 50, -3.75, 0
177, 31.25, -3.75, 0
178, 0, -3.75, 0
179, -2.8225, -3.75, 0
180, -4.385, -3.75, 0
181, -5.01, -3.75, 0
182, -6.5725, -3.75, 0
183, -7.1975, -3.75, 0
184, -10.02, -3.75, 0
185, -11.5825, -3.75, 0
186, -12.2075, -3.75, 0
187, -13.77, -3.75, 0
188, -15.02, -3.75, 0
189, -20.02, -3.75, 0
190, -22.8325, -3.75, 0
191, -23.4575, -3.75, 0
192, -25.02, -3.75, 0
193, -30.02, -3.75, 0
194, -31.25, -3.75, 0
195, -35.02, -3.75, 0
196, -37.8425, -3.75, 0
197, -38.4675, -3.75, 0
198, -40.03, -3.75, 0
199, -45.03, -3.75, 0
200, -45.3625, -3.75, 0
201, -45.9875, -3.75, 0
202, -49.6, -3.75, 0
203, -50, -3.75, 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)
1, BEAM , 1, 14, 76, 1, 0, 0
2, BEAM , 1, 13, 1, 2, 0, 0
3, BEAM , 1, 17, 2, 3, 0, 0
4, BEAM , 1, 12, 3, 4, 0, 0
5, BEAM , 1, 11, 4, 5, 0, 0
6, BEAM , 1, 10, 5, 6, 0, 0
7, BEAM , 1, 10, 6, 7, 0, 0
8, BEAM , 1, 9, 7, 8, 0, 0
9, BEAM , 1, 8, 8, 9, 0, 0
10, BEAM , 1, 7, 9, 10, 0, 0
11, BEAM , 1, 7, 10, 11, 0, 0

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12, BEAM , 1, 7, 11, 12, 0, 0
13, BEAM , 1, 6, 12, 13, 0, 0
14, BEAM , 1, 5, 13, 14, 0, 0
15, BEAM , 1, 5, 14, 15, 0, 0
16, BEAM , 1, 5, 15, 25, 0, 0
17, BEAM , 1, 5, 25, 16, 0, 0
18, BEAM , 1, 5, 16, 17, 0, 0
19, BEAM , 1, 4, 17, 18, 0, 0
20, BEAM , 1, 3, 18, 19, 0, 0
21, BEAM , 1, 3, 19, 20, 0, 0
22, BEAM , 1, 3, 20, 21, 0, 0
23, BEAM , 1, 2, 21, 22, 0, 0
24, BEAM , 1, 1, 22, 23, 0, 0
25, BEAM , 1, 1, 23, 24, 0, 0
26, BEAM , 1, 14, 76, 77, 0, 0
27, BEAM , 1, 13, 77, 78, 0, 0
28, BEAM , 1, 17, 78, 79, 0, 0
29, BEAM , 1, 12, 79, 80, 0, 0
30, BEAM , 1, 11, 80, 81, 0, 0
31, BEAM , 1, 10, 81, 82, 0, 0
32, BEAM , 1, 10, 82, 83, 0, 0
33, BEAM , 1, 9, 83, 84, 0, 0
34, BEAM , 1, 8, 84, 85, 0, 0
35, BEAM , 1, 7, 85, 86, 0, 0
36, BEAM , 1, 7, 86, 87, 0, 0
37, BEAM , 1, 7, 87, 88, 0, 0
38, BEAM , 1, 6, 88, 89, 0, 0
39, BEAM , 1, 5, 89, 90, 0, 0
40, BEAM , 1, 5, 90, 91, 0, 0
41, BEAM , 1, 5, 91, 92, 0, 0
42, BEAM , 1, 5, 92, 93, 0, 0
43, BEAM , 1, 5, 93, 94, 0, 0
44, BEAM , 1, 4, 94, 95, 0, 0
45, BEAM , 1, 3, 95, 96, 0, 0
46, BEAM , 1, 3, 96, 97, 0, 0
47, BEAM , 1, 3, 97, 98, 0, 0
48, BEAM , 1, 2, 98, 99, 0, 0
49, BEAM , 1, 1, 99, 100, 0, 0
50, BEAM , 1, 1, 100, 101, 0, 0
51, BEAM , 1, 14, 102, 103, 0, 0
52, BEAM , 1, 13, 103, 104, 0, 0
53, BEAM , 1, 17, 104, 105, 0, 0
54, BEAM , 1, 12, 105, 106, 0, 0
55, BEAM , 1, 11, 106, 107, 0, 0
56, BEAM , 1, 10, 107, 108, 0, 0
57, BEAM , 1, 10, 108, 109, 0, 0
58, BEAM , 1, 9, 109, 110, 0, 0
59, BEAM , 1, 8, 110, 111, 0, 0
60, BEAM , 1, 7, 111, 112, 0, 0
61, BEAM , 1, 7, 112, 113, 0, 0
62, BEAM , 1, 7, 113, 114, 0, 0
63, BEAM , 1, 6, 114, 115, 0, 0
64, BEAM , 1, 5, 115, 116, 0, 0
65, BEAM , 1, 5, 116, 117, 0, 0
66, BEAM , 1, 5, 117, 118, 0, 0
67, BEAM , 1, 5, 118, 119, 0, 0
68, BEAM , 1, 5, 119, 120, 0, 0
69, BEAM , 1, 4, 120, 121, 0, 0
70, BEAM , 1, 3, 121, 122, 0, 0
71, BEAM , 1, 3, 122, 123, 0, 0
72, BEAM , 1, 3, 123, 124, 0, 0
73, BEAM , 1, 2, 124, 125, 0, 0
74, BEAM , 1, 1, 125, 126, 0, 0
75, BEAM , 1, 1, 126, 127, 0, 0
76, BEAM , 1, 14, 102, 128, 0, 0
77, BEAM , 1, 13, 128, 129, 0, 0
78, BEAM , 1, 17, 129, 130, 0, 0
79, BEAM , 1, 12, 130, 131, 0, 0
80, BEAM , 1, 11, 131, 132, 0, 0
81, BEAM , 1, 10, 132, 133, 0, 0
82, BEAM , 1, 10, 133, 134, 0, 0
83, BEAM , 1, 9, 134, 135, 0, 0
84, BEAM , 1, 8, 135, 136, 0, 0
85, BEAM , 1, 7, 136, 137, 0, 0
86, BEAM , 1, 7, 137, 138, 0, 0
87, BEAM , 1, 7, 138, 139, 0, 0
88, BEAM , 1, 6, 139, 140, 0, 0
89, BEAM , 1, 5, 140, 141, 0, 0
90, BEAM , 1, 5, 141, 142, 0, 0
91, BEAM , 1, 5, 142, 143, 0, 0
92, BEAM , 1, 5, 143, 144, 0, 0
93, BEAM , 1, 5, 144, 145, 0, 0
94, BEAM , 1, 4, 145, 146, 0, 0
95, BEAM , 1, 3, 146, 147, 0, 0
96, BEAM , 1, 3, 147, 148, 0, 0
97, BEAM , 1, 3, 148, 149, 0, 0
98, BEAM , 1, 2, 149, 150, 0, 0
99, BEAM , 1, 1, 150, 151, 0, 0
100, BEAM , 1, 1, 151, 152, 0, 0
101, BEAM , 2, 15, 151, 202, 0, 0
102, BEAM , 2, 15, 202, 100, 0, 0
103, BEAM , 2, 15, 148, 199, 0, 0
104, BEAM , 2, 15, 199, 97, 0, 0
105, BEAM , 2, 15, 147, 198, 0, 0
106, BEAM , 2, 15, 198, 96, 0, 0
107, BEAM , 2, 15, 144, 195, 0, 0
108, BEAM , 2, 15, 195, 93, 0, 0

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109. BEAM , 2, 15, 142, 193, 0, 0	1, KS10-Civil(S), , SM490	:	[SIZE-B]-i
110. BEAM , 2, 15, 193, 91, 0, 0	2, STEEL, SM400 , 0, 0, , C, NO, 0.02,	:	5th line(STYPE=CMP-CI/CT)
111. BEAM , 2, 15, 141, 192, 0, 0	1, KS10-Civil(S), , SM400	:	[SIZE-C]-i
112. BEAM , 2, 15, 192, 90, 0, 0	*MATL-COLOR	:	6th line(STYPE=CMP-CI/CT)
113. BEAM , 2, 15, 138, 189, 0, 0	: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,	:	[SIZE-D]-i
114. BEAM , 2, 15, 189, 87, 0, 0	HE_G, HE_B, bBLEND, FACT	:	7th line(STYPE=CMP-CI/CT)
115. BEAM , 2, 15, 137, 188, 0, 0	1, 255, 0, 0, 0, 255, 0, 0, 0, 255,	:	[SIZE-A]-j
116. BEAM , 2, 15, 188, 86, 0, 0	NO, 0.5	:	8th line(STYPE=CMP-CI/CT)
117. BEAM , 2, 15, 133, 184, 0, 0	2, 255, 0, 0, 0, 255, 0, 0, 0, 255,	:	[SIZE-B]-j
118. BEAM , 2, 15, 184, 82, 0, 0	NO, 0.5	:	9th line(STYPE=CMP-CI/CT)
119. BEAM , 2, 15, 130, 181, 0, 0	*SECTION : Section	:	[SIZE-C]-j
120. BEAM , 2, 15, 181, 79, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],	:	10th line(STYPE=CMP-CI/CT)
121. BEAM , 2, 15, 102, 178, 0, 0	[DATA2] : 1st line - DB/USER	:	[SIZE-D]-j
122. BEAM , 2, 15, 178, 76, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,	:	11th line(STYPE=CMP-CI/CT)
123. BEAM , 2, 15, 105, 155, 0, 0	..., D8, iCEL : 1st line - VALUE	:	ISEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2
124. BEAM , 2, 15, 155, 3, 0, 0	: AREA, ASy, ASz, lxx, lyy, lzz	:	1st line - CONSTRUCT
125. BEAM , 2, 15, 108, 158, 0, 0	: 2nd line	:	SHAPE, ...(same with other type data from shape)
126. BEAM , 2, 15, 158, 6, 0, 0	: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,	:	Before (STYPE1)
127. BEAM , 2, 15, 112, 162, 0, 0	PERI_IN, Cy, Cz : 3rd line	:	SHAPE, ...(same with other type data from shape)
128. BEAM , 2, 15, 162, 10, 0, 0	: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz	:	After (STYPE2)
129. BEAM , 2, 15, 113, 163, 0, 0	: 4th line	:	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
130. BEAM , 2, 15, 163, 11, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,	:	1st line - COMPOSITE-SB
131. BEAM , 2, 15, 116, 166, 0, 0	DEN, POIS, POIC, SF, THERMAL : 1st line - SRC	:	Hw, tw, B, Bf1, tf1, B2, Bf2, tf2
132. BEAM , 2, 15, 166, 14, 0, 0	: D1, D2, [SRC]	:	2nd line
133. BEAM , 2, 15, 117, 167, 0, 0	: 2nd line	:	N1, N2, Hr, Hr2, tr1, tr2
134. BEAM , 2, 15, 167, 15, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,	:	3rd line
135. BEAM , 2, 15, 119, 168, 0, 0	NAME1, NAME2, D1, D2 : 1st line - COMBINED	:	SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
136. BEAM , 2, 15, 168, 16, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,	:	bMulti, Elong, Esh : 4th line
137. BEAM , 2, 15, 122, 171, 0, 0	D12, D13, D14, D15, D21, D22, D23, D24	:	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
138. BEAM , 2, 15, 171, 19, 0, 0	: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,	:	1st line - COMPOSITE-SI
139. BEAM , 2, 15, 123, 172, 0, 0	izVAR, STYPE : 1st line - TAPERED	:	Hw, tw, B, tf1, B2, tf2
140. BEAM , 2, 15, 172, 20, 0, 0	: DB, NAME1, NAME2	:	2nd line
141. BEAM , 2, 15, 126, 175, 0, 0	: 2nd line(STYPE=DB)	:	SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
142. BEAM , 2, 15, 175, 23, 0, 0	: [DIM1], [DIM2]	:	bMulti, Elong, Esh : 3rd line
143. BEAM , 2, 16, 203, 202, 0, 0	: 2nd line(STYPE=USER)	:	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
144. BEAM , 2, 16, 202, 201, 0, 0	: D11, D12, D13, D14, D15, D16, D17, D18	:	1st line - COMPOSITE-CI/CT
145. BEAM , 2, 16, 201, 200, 0, 0	: 2nd line(STYPE=VALUE)	:	OPT1, OPT2, [JOINT]
146. BEAM , 2, 16, 200, 199, 0, 0	: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1	:	2nd line
147. BEAM , 2, 16, 199, 198, 0, 0	: 3rd line(STYPE=VALUE)	:	[SIZE-A]
148. BEAM , 2, 16, 198, 197, 0, 0	: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,	:	3rd line
149. BEAM , 2, 16, 197, 196, 0, 0	PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th	:	[SIZE-B]
150. BEAM , 2, 16, 196, 195, 0, 0	line(STYPE=VALUE)	:	4th line
151. BEAM , 2, 16, 195, 194, 0, 0	: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,	:	[SIZE-C]
152. BEAM , 2, 16, 194, 193, 0, 0	Zyy2 : 5th line(STYPE=VALUE)	:	5th line
153. BEAM , 2, 16, 193, 192, 0, 0	: D21, D22, D23, D24, D25, D26, D27, D28	:	[SIZE-D]
154. BEAM , 2, 16, 192, 191, 0, 0	: 6th line(STYPE=VALUE)	:	6th line
155. BEAM , 2, 16, 191, 190, 0, 0	: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2	:	SW, GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb,
156. BEAM , 2, 16, 190, 189, 0, 0	: 7th line(STYPE=VALUE)	:	Pgd, Psb : 7th line
157. BEAM , 2, 16, 189, 188, 0, 0	: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,	:	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
158. BEAM , 2, 16, 188, 187, 0, 0	PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th	:	1st line - PSC
159. BEAM , 2, 16, 187, 186, 0, 0	line(STYPE=VALUE)	:	OPT1, OPT2, [JOINT]
160. BEAM , 2, 16, 186, 185, 0, 0	: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,	:	2nd line
161. BEAM , 2, 16, 185, 184, 0, 0	Zzz2 : 9th line(STYPE=VALUE)	:	bSHEARCHK, [SCHK], [WT], WIDTH, bSYM,
162. BEAM , 2, 16, 184, 183, 0, 0	: OPT1, OPT2, [JOINT]	:	bSIDEHOLE : 3rd line
163. BEAM , 2, 16, 183, 182, 0, 0	: 2nd line(STYPE=PSC)	:	bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
164. BEAM , 2, 16, 182, 181, 0, 0	: ELAST, DEN, POIS, POIC, THERMAL	:	[STIFF] : 4th line
165. BEAM , 2, 16, 181, 180, 0, 0	: 2nd line(STYPE=PSC-CMPW)	:	[SIZE-A]
166. BEAM , 2, 16, 180, 179, 0, 0	: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],	:	5th line
167. BEAM , 2, 16, 179, 178, 0, 0	[WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd	:	[SIZE-B]
168. BEAM , 2, 16, 178, 153, 0, 0	line(STYPE=PSC)	:	6th line
169. BEAM , 2, 16, 153, 154, 0, 0	: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],	:	[SIZE-C]
170. BEAM , 2, 16, 154, 155, 0, 0	[CMPWEB-J] : 3rd	:	7th line
171. BEAM , 2, 16, 155, 156, 0, 0	line(STYPE=PSC-CMPW)	:	[SIZE-D]
172. BEAM , 2, 16, 156, 157, 0, 0	: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,	:	8th line
173. BEAM , 2, 16, 157, 158, 0, 0	[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)	:	[DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6,
174. BEAM , 2, 16, 158, 159, 0, 0	:	:	D7, D8, D9, D10
175. BEAM , 2, 16, 159, 160, 0, 0	: 5th line(STYPE=PSC)	:	[DATA2] : CCSHAPE or iCEL or in1, in2
176. BEAM , 2, 16, 160, 161, 0, 0	:	:	[SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4,
177. BEAM , 2, 16, 161, 162, 0, 0	: 6th line(STYPE=PSC)	:	D5, D6, D7, D8, D9, D10, in1, in2
178. BEAM , 2, 16, 162, 163, 0, 0	:	:	[DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
179. BEAM , 2, 16, 163, 164, 0, 0	: 7th line(STYPE=PSC)	:	[OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER,
180. BEAM , 2, 16, 164, 165, 0, 0	:	:	IVERT, VUSER
181. BEAM , 2, 16, 165, 166, 0, 0	: 8th line(STYPE=PSC)	:	[OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI,
182. BEAM , 2, 16, 166, 167, 0, 0	:	:	HUSERJ, IVERT, VUSERI, VUSERJ
183. BEAM , 2, 16, 167, 177, 0, 0	: 9th line(STYPE=PSC)	:	[JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM),
184. BEAM , 2, 16, 177, 168, 0, 0	:	:	8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
185. BEAM , 2, 16, 168, 169, 0, 0	: 10th line(STYPE=PSC)	:	[SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM),
186. BEAM , 2, 16, 169, 170, 0, 0	:	:	6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
187. BEAM , 2, 16, 170, 171, 0, 0	: 11th line(STYPE=PSC)	:	[SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM),
188. BEAM , 2, 16, 171, 172, 0, 0	:	:	6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
189. BEAM , 2, 16, 172, 173, 0, 0	: 12th line(STYPE=PSC)	:	[SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM),
190. BEAM , 2, 16, 173, 174, 0, 0	: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,	:	10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
191. BEAM , 2, 16, 174, 175, 0, 0	bMULTI, EsEc-L, EsEc-S : 2nd	:	[SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM),
192. BEAM , 2, 16, 175, 176, 0, 0	line(STYPE=CMP-B/I)	:	7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
*MATERIAL : Material	: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,	:	[STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,	tf2_j : 3rd line(STYPE=CMP-B/I)	:	[SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
bMASS, DAMPRATIO, [DATA1] : STEEL, CONC,	: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,	:	[WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,
USER	tf2_j : 4th line(STYPE=CMP-B/I)	:	bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,	: N1, N2, Hr, Hr2, tr1, tr2	:	[CMPWEB] : EFD, LRF, A, B, H, T
bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC	: 5th line(STYPE=CMP-B)	:	1, COMPOSITE, 1, CC, 0, 0, 0, 0, 0,
: [DATA1] : 1, DB, NAME, CODE	: GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb, Pgd,	:	0, 0, YES, B
: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS	Psb, bSYM, SW_j, SW_j : 2nd	:	2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz,	line(STYPE=CMP-CI/CT)	:	1, 0, 0, 0, 3, 5
Pxy, Pxz, Pyz, DEN, MASS : Orthotropic	: OPT1, OPT2, [JOINT]	:	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,	: 3rd line(STYPE=CMP-CI/CT)	:	0
THERMAL, DEN, MASS	:	:	0
1, STEEL, SM490 , 0, 0, , C, NO, 0.02,	: 4th line(STYPE=CMP-CI/CT)	:	3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO

5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 2, COMPOSITE , 2, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014 1, 0, 0, 0, 3, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO 5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 3, COMPOSITE , 3, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.014 1, 0, 0, 0, 3, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO 5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 4, COMPOSITE , 4, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.02 1, 0, 0, 0, 3, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO 5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 5, COMPOSITE , 5, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02 1, 0, 0, 0, 3, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO 5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 6, COMPOSITE , 6, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02 1, 0, 0, 0, 3, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO 5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 7, COMPOSITE , 7, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016 1, 0, 0, 0, 3, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO 5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 8, COMPOSITE , 8, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016 1, 0, 0, 0, 5, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 9, COMPOSITE , 9, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.016 1, 0, 0, 0, 5, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 10, COMPOSITE , 10, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.022 1, 0, 0, 0, 5, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 11, COMPOSITE , 11, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.022 1, 0, 0, 0, 5, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 12, COMPOSITE , 12, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034 1, 0, 0, 0, 5, 5 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 13, COMPOSITE , 13, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.014, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034 1, 0, 0, 0, 5, 3 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 14, COMPOSITE , 14, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.014, 2.5, 0.1, 0.032, 2.5, 0.1, 0.034 1, 0, 0, 0, 5, 3 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 15, DBUSER , Cross Beam, CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0, 0, 0 16, DBUSER , Stringer, CC, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.3, 0.015, 0.012, 0.3, 0.012, 0, 0, 0, 0 17, COMPOSITE , 12-1, CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034 1, 0, 0, 0, 5, 3 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , *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 *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, lxx, lyy, lzz : 2nd line : CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd line : Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line : ISEC, TYPE, SNAME, [OFFSET], bSD, 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, lxx1, lyy1, lzz1 : 3rd line(STYPE=VALUE) : CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th line(STYPE=VALUE) : Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 : 5th line(STYPE=VALUE) : D21, D22, D23, D24, D25, D26, D27, D28 : 6th line(STYPE=VALUE) : AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 : 7th line(STYPE=VALUE) : CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th line(STYPE=VALUE) : Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 : 9th line(STYPE=VALUE) : OPT1, OPT2, [JOINT] : 2nd line(STYPE=PSC) : ELAST, DEN, POIS, POIC, THERMAL : 2nd line(STYPE=PSC-CMPW) : bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd line(STYPE=PSC) : bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] : 3rd line(STYPE=PSC-CMPW) : bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] : 4th line(STYPE=PSC) : [SIZE-A]-i : 5th line(STYPE=PSC) : [SIZE-B]-i : 6th line(STYPE=PSC) : [SIZE-C]-i : 7th line(STYPE=PSC) : [SIZE-D]-i : 8th line(STYPE=PSC) : [SIZE-A]-j : 9th line(STYPE=PSC) : [SIZE-B]-j : 10th line(STYPE=PSC) : [SIZE-C]-j : 11th line(STYPE=PSC) : [SIZE-D]-j : 12th line(STYPE=PSC)
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: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 2nd line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i : 3rd line(STYPE=CMP-B/I)
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 4th line(STYPE=CMP-B/I)
: N1, N2, Hr, Hr2, tr1, tr2 : 5th line(STYPE=CMP-B)
: GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j : 2nd line(STYPE=CMP-CI/CT)
: OPT1, OPT2, [JOINT] : 3rd line(STYPE=CMP-CI/CT)
: [SIZE-A]-i : 4th line(STYPE=CMP-CI/CT)
: [SIZE-B]-i : 5th line(STYPE=CMP-CI/CT)
: [SIZE-C]-i : 6th line(STYPE=CMP-CI/CT)
: [SIZE-D]-i : 7th line(STYPE=CMP-CI/CT)
: [SIZE-A]-j : 8th line(STYPE=CMP-CI/CT)
: [SIZE-B]-j : 9th line(STYPE=CMP-CI/CT)
: [SIZE-C]-j : 10th line(STYPE=CMP-CI/CT)
: [SIZE-D]-j : 11th line(STYPE=CMP-CI/CT)
: ISEC, TYPE, SNAME, [OFFSET], bSD, 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, EgDsb, DgdDsb, Pgd, Psb : 7th line
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - PST
: OPT1, OPT2, [JOINT] : 2nd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line
: bUSERDEFMESH SIZE, MESH SIZE, 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] : CSHAPE 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, lxx, lyy, lzz
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [CMPWEB] : EFD, LRF, A, B, H, T
1, COMPOSITE , 1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
2, COMPOSITE , 2 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
3, COMPOSITE , 3 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
4, COMPOSITE , 4 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
5, COMPOSITE , 5 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.02, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
6, COMPOSITE , 6 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.02
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
7, COMPOSITE , 7 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
8, COMPOSITE , 8 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
9, COMPOSITE , 9 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.016
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
10, COMPOSITE , 10 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
11, COMPOSITE , 11 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
12, COMPOSITE , 12 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
5, 0.416, 0, NO, 0.41667, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
13, COMPOSITE , 13 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.014, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
14, COMPOSITE , 14 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.014, 2.5, 0.1, 0.032, 2.5, 0.1, 0.034
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, ,
15, DBUSER , Cross Beam , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0, 0, 0
16, DBUSER , Stringer , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.3, 0.015, 0.012, 0.3, 0.012, 0, 0, 0, 0
17, COMPOSITE , 12-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.024, 2.5, 0.1, 0.034
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0


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*USE-STLD, 포장하중
*BEAMLOAD      : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN],
[VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ,
bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN]      : bECCEN, ECCDIR, I-END, J-END,
bJ-END
: [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END,
ADDITIONAL_J-END, bADDITIONAL_J-END
1, LINE      , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE      , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE      , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE      , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE      , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE      , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE      , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE      , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE      , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
30, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
31, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
32, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,
-10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE     , UNILoad, GZ, NO , NO, aDir[1], , , , 0,

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[illegible]

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-10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO,
93, LINE , UNILoad, GZ, NO , NO, aDir[1], , , 0,
-10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO,
94, LINE , UNILoad, GZ, NO , NO, aDir[1], , , 0,
-10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO,
95, LINE , UNILoad, GZ, NO , NO, aDir[1], , , 0,
-10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO,
96, LINE , UNILoad, GZ, NO , NO, aDir[1], , , 0,
-10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO,
97, LINE , UNILoad, GZ, NO , NO, aDir[1], , , 0,
-10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO,
98, LINE , UNILoad, GZ, NO , NO, aDir[1], , , 0,
-10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO,
99, LINE , UNILoad, GZ, NO , NO, aDir[1], , , 0,
-10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO,
100, LINE , UNILoad, GZ, NO , NO, aDir[1], , , 0,
0, -10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO,
: End of data for load case [포장하중]
-----
*USE-STLD, 단위모멘트
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
23, 0, 0, 0, 0, -1, 0,
100, 0, 0, 0, 0, 1, 0,
126, 0, 0, 0, 0, -1, 0,
151, 0, 0, 0, 0, 1, 0,
: End of data for load case [단위모멘트]
-----
*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=L1, LANE, , 0, 0, BOTH, 3, 1.8, NO
50, -0.54, 0.167, YES, 0, 49, -0.54, 0.167,
NO, 0
48, -0.54, 0.167, NO, 0, 47, -0.54, 0.167,
NO, 0
46, -0.54, 0.167, NO, 0, 45, -0.54, 0.167,
NO, 0
44, -0.54, 0.167, NO, 0, 43, -0.54, 0.167,
NO, 0
42, -0.54, 0.167, NO, 0, 41, -0.54, 0.167,
NO, 0
40, -0.54, 0.167, NO, 0, 39, -0.54, 0.167,
NO, 0
38, -0.54, 0.167, NO, 0, 37, -0.54, 0.167,
NO, 0
36, -0.54, 0.167, NO, 0, 35, -0.54, 0.167,
NO, 0
34, -0.54, 0.167, NO, 0, 33, -0.54, 0.167,
NO, 0
32, -0.54, 0.167, NO, 0, 31, -0.54, 0.167,
NO, 0
30, -0.54, 0.167, NO, 0, 29, -0.54, 0.167,
NO, 0
28, -0.54, 0.167, NO, 0, 27, -0.54, 0.167,
NO, 0
26, -0.54, 0.167, NO, 0, 1, -0.54, 0.167,
NO, 0
2, -0.54, 0.167, NO, 0, 3, -0.54, 0.167,
NO, 0
4, -0.54, 0.167, NO, 0, 5, -0.54, 0.167,
NO, 0
6, -0.54, 0.167, NO, 0, 7, -0.54, 0.167,
NO, 0
8, -0.54, 0.167, NO, 0, 9, -0.54, 0.167,
NO, 0
10, -0.54, 0.167, NO, 0, 11, -0.54, 0.167,
NO, 0
12, -0.54, 0.167, NO, 0, 13, -0.54, 0.167,
NO, 0
14, -0.54, 0.167, NO, 0, 15, -0.54, 0.167,
NO, 0

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NO, 0	16, -0.54, 0.167, NO, 0,	17, -0.54, 0.167,	NO, 0	60, -0.84, 0.167, NO, 0,	61, -0.84, 0.167,	P2, D2, ...	: user(Type 2)
NO, 0	18, -0.54, 0.167, NO, 0,	19, -0.54, 0.167,	NO, 0	62, -0.84, 0.167, NO, 0,	63, -0.84, 0.167,	:	NAME=NAME, 2, 3
NO, 0	20, -0.54, 0.167, NO, 0,	21, -0.54, 0.167,	NO, 0	64, -0.84, 0.167, NO, 0,	65, -0.84, 0.167,	:	: user(Type 3)
NO, 0	22, -0.54, 0.167, NO, 0,	23, -0.54, 0.167,	NO, 0	66, -0.84, 0.167, NO, 0,	67, -0.84, 0.167,	:	[LOADCASE1]
NO, 0	24, -0.54, 0.167, NO, 0,	25, -0.54, 0.167,	NO, 0	68, -0.84, 0.167, NO, 0,	69, -0.84, 0.167,	:	: user(Type 3): line 2
NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO	143, -0.69, 0.167, YES, 0,	144, -0.69,	NO, 0	70, -0.84, 0.167, NO, 0,	71, -0.84, 0.167,	:	[LOADCASE2]
0.167, NO, 0	145, -0.69, 0.167, NO, 0,	146, -0.69, 0.167,	NO, 0	72, -0.84, 0.167, NO, 0,	73, -0.84, 0.167,	:	: user(Type 3): line 3
NO, 0	147, -0.69, 0.167, NO, 0,	148, -0.69, 0.167,	NO, 0	74, -0.84, 0.167, NO, 0,	75, -0.84, 0.167,	:	[LOADCASE3]
NO, 0	149, -0.69, 0.167, NO, 0,	150, -0.69, 0.167,	NO, 0	*VEHICLE : Vehicles		:	: user(Type 3): line 4
NO, 0	151, -0.69, 0.167, NO, 0,	152, -0.69, 0.167,	NO, 0	: if Moving Load Code is China		:	: NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI,
NO, 0	153, -0.69, 0.167, NO, 0,	154, -0.69, 0.167,	NO, 0	: NAME=NAME, 1, TYPE=NAME, CODE		:	F, P1, D1, P2, D2, ... : user(Type 4)
NO, 0	155, -0.69, 0.167, NO, 0,	156, -0.69, 0.167,	NO, 0	: standard		:	: NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2
NO, 0	157, -0.69, 0.167, NO, 0,	158, -0.69, 0.167,	NO, 0	: NAME=NAME, 2, LTYPE, [TRUCK/LANE] or		:	: user(Type 5)
NO, 0	159, -0.69, 0.167, NO, 0,	160, -0.69, 0.167,	NO, 0	: [TRAIN/SUBWAY] or [CROWD] : user: line 1		:	[VEHICLE1]
NO, 0	161, -0.69, 0.167, NO, 0,	162, -0.69, 0.167,	NO, 0	: LOAD1, DIST1, LOAD2, DIST2, ...		:	: tandem/udl loads
NO, 0	163, -0.69, 0.167, NO, 0,	164, -0.69, 0.167,	NO, 0	: : user: from line 2		:	: [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2,
NO, 0	165, -0.69, 0.167, NO, 0,	166, -0.69, 0.167,	NO, 0	: [TRUCK/LANE] : 1, P, Qm, Qq		:	... : load case
NO, 0	167, -0.69, 0.167, NO, 0,	168, -0.69, 0.167,	NO, 0	: : truck(JTG)		:	: [VEHICLE] : bUSE, N, P1, L1, P2, L2, ...
NO, 0	169, -0.69, 0.167, NO, 0,	170, -0.69, 0.167,	NO, 0	: [TRUCK/LANE] : 2, P, Qm, Qq		:	: vehicle
NO, 0	171, -0.69, 0.167, NO, 0,	172, -0.69, 0.167,	NO, 0	: : lane load1		:	: if Moving Load Code is RUSSIA
NO, 0	173, -0.69, 0.167, NO, 0,	174, -0.69, 0.167,	NO, 0	: [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2		:	: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
NO, 0	175, -0.69, 0.167, NO, 0,	176, -0.69, 0.167,	NO, 0	: : lane load2		:	bFATI, nLOADFAC, dLOADFAC : standard (SK)
NO, 0	177, -0.69, 0.167, NO, 0,	178, -0.69, 0.167,	NO, 0	: [TRUCK/LANE] : 4, dW, dD		:	: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
NO, 0	179, -0.69, 0.167, NO, 0,	180, -0.69, 0.167,	NO, 0	: : crawler type		:	bFATI, nLOADFAC, dLOADFAC : standard (SK
NO, 0	181, -0.69, 0.167, NO, 0,	182, -0.69, 0.167,	NO, 0	: [TRUCK/LANE] : 5		:	FATIGUE)
NO, 0	183, -0.69, 0.167, NO, 0,	184, -0.69, 0.167,	NO, 0	: : GC type load		:	: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
NO, 0	185, -0.69, 0.167, NO, 0,	186, -0.69, 0.167,	NO, 0	: [TRAIN/SUBWAY] : ITYPE, W1, D1, W2, D2		:	dDYNAFAC_UDL
NO, 0	187, -0.69, 0.167, NO, 0,	188, -0.69, 0.167,	NO, 0	: : train-type1.3		:	: bFATI, nLOADFAC, dLOADFAC,
NO, 0	189, -0.69, 0.167, NO, 0,	190, -0.69, 0.167,	NO, 0	: [TRAIN/SUBWAY] : ITYPE, DD, FD, BD, MAINCOUNT		:	dLOADFAC_UDL, s1, s1_UDL : standard (AK)
NO, 0	191, -0.69, 0.167, NO, 0,	192, -0.69, 0.167,	NO, 0	: : train-type2		:	: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
NO, 0	193, -0.69, 0.167, NO, 0,	194, -0.69, 0.167,	NO, 0	: [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD,		:	nLOADFAC, dLOADFAC,
NO, 0	195, -0.69, 0.167, NO, 0,	196, -0.69, 0.167,	NO, 0	Po, n, IFR : subway		:	: bTWOVEHI, TWOVEHI_FACT,
NO, 0	197, -0.69, 0.167, NO, 0,	198, -0.69, 0.167,	NO, 0	: [CROWD] : 1, dW1		:	b2NDREDUC, 2NDREDUC_FACT
NO, 0	199, -0.69, 0.167, NO, 0,	200, -0.69, 0.167,	NO, 0	: : crowd-type1		:	: standard (N14)
NO, 0	201, -0.69, 0.167, NO, 0,	202, -0.69, 0.167,	NO, 0	: [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH		:	: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
NO, 0</							

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: 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)
: 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
*MLVDCASE : Moving Load Cases
: NAME=NAME, bLCPV, SCALE1, SCALE2, SCALE3,
SCALE4, SCALE5, SCALE6, COMB, DESC, LCOM, SERIAL
: 1st line
: nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1,
3LFACTOR2, 3LFACTOR3, 3LFACTOR4 :
: 2st line
: TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1, LANE11,
LANE12, ... : 3nd line
: ...
: TYPEn, VCLASSn, SCALEn, iMINn, iMAXn, LANE1,
LANEn2, ... : n+1th line
: NAME=NAME, bLCPV, VEHICLE, REFLANE, ECCEN,
SCALE, DESC :
Permit
NAME=활하중(DB), 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, 3, L1, L2, L3
NAME=활하중(DL), NO, 1, 1, 0.9, 0.75, 0.75, 0.75,
INDEPENDENT, , 0, 2
1, 1, 1, 1, 1, 0.5, 0.25
VL, DL-24, 1, 1, 3, L1, L2, L3
NAME=활하중, NO, 1, 1, 0.9, 0.75, 0.75, 0.75,
INDEPENDENT, , 0, 3
1, 1, 1, 1, 1, 0.5, 0.25
VL, DB-24, 1, 1, 3, L1, L2, L3
VL, DL-24, 1, 1, 3, L1, L2, L3
*SM-GROUP : Settlement Group
: GRNAME, DISPLACEMENT, NODE_LIST
A1, -0.01, 100 151
P1, -0.01, 76 102
A2, -0.01, 23 126
*SMLDCASE : Settlement Load Cases
: NAME=NAME, iSMIN, iSMAX, SCALE, DESC : line 1
: GRNAME1, GRNAME2, ... : from line 2
NAME=지점침하, 1, 3, 1,
A1, P1, A2
*LOADCOMB : Combinations
: NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC,
iSERV=TYPE, nLCOMTYPE : line 1
: ANAL1, LCNAME1, FACT1, ...
: from line 2
NAME=합성전, GEN, ACTIVE, 0, 0, , 0, 0
ST, 자중, 1, ST, 슬래브하중, 1
NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
ST, 방호벽하중, 1, ST, 포장하중, 1
NAME=고정하중, GEN, ACTIVE, 0, 0, , 0, 0
CB, 합성전, 1, CB, 합성후, 1
*LC-COLOR : Diagram Color for Load Case
: ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN),
iG2(MIN), iB2(MIN), iR3(MAX), iG2(MAX), iB2(MAX)
ST, 자중, 93, 255, 87, 255, 87, 128, 0, 128, 128
ST, 슬래브하중, 160, 255, 255, 0, 157, 192, 163, 255,
160
ST, 방호벽하중, 192, 128, 0, 148, 87, 255, 255, 87, 128
ST, 포장하중, 85, 192, 0, 160, 192, 255, 255, 160, 255
ST, 단위모멘트, 255, 192, 160, 0, 192, 128, 0, 128, 57
SM, 지점침하, 146, 0, 255, 255, 255, 87, 192, 0, 192
MV, 활하중(DB), 192, 0, 192, 128, 192, 0, 160, 192, 255
MV, 활하중(DL), 0, 192, 128, 160, 255, 255, 148, 87,
255
MV, 활하중, 0, 128, 57, 128, 192, 0, 0, 192, 128
CB, 합성전, 78, 0, 255, 255, 87, 128, 255, 128, 0

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CB, 합성후, 0, 128, 57, 163, 255, 160, 192, 192, 192
CB, 고정하중, 163, 255, 160, 255, 0, 128, 160, 192, 255
*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, 0.0,0.0000e+000, 0,, 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,
2, STEEL, SM400 , 1, KS10-Civil(S),
,SM400 , 1, KS01-Civil(RC),
, , , , 0, 0,NO,0.0000e+000, 0,, 0, 0.0, 0,
0.0, 0, 0.0, 0, 0.0, 0, 0.0,0.0000e+000, 0,, 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,
*ENDDATA

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■ 청도IC1교 대구방향(P1) 하부 input

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-----
: MIDAS/Civil Text(MCT) File.
: Date : 2016/1/8
-----

*VERSION
8.4.5
*UNIT      : Unit System
: FORCE, LENGTH, HEAT, TEMPER
KN , M, KCAL, C
*REBAR=MATL-CODE      : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE      : Nodes
: INO, X, Y, Z
1, 0, 0, 14.05
2, 1.75, 0, 14.05
3, 2, 0, 14.05
4, 3.5, 0, 14.05
5, 5, 0, 14.05
6, 6.6, 0, 14.05
7, 7.25, 0, 14.05
8, 7.9, 0, 14.05
9, 9.5, 0, 14.05
10, 11, 0, 14.05
11, 12.5, 0, 14.05
12, 12.75, 0, 14.05
13, 14.5, 0, 14.05
14, 3.5, 0, 0
15, 11, 0, 0
16, 3.5, 0, 12.8
17, 11, 0, 12.8
*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)
1, BEAM , 1, 1, 1, 2, 0, 0
2, BEAM , 1, 2, 2, 3, 0, 0
3, BEAM , 1, 3, 3, 4, 0, 0
4, BEAM , 1, 3, 4, 5, 0, 0
5, BEAM , 1, 3, 5, 6, 0, 0
6, BEAM , 1, 3, 6, 7, 0, 0
7, BEAM , 1, 3, 7, 8, 0, 0
8, BEAM , 1, 3, 8, 9, 0, 0
9, BEAM , 1, 3, 9, 10, 0, 0
10, BEAM , 1, 3, 10, 11, 0, 0
11, BEAM , 1, 2, 11, 12, 0, 0
12, BEAM , 1, 1, 12, 13, 0, 0
13, BEAM , 1, 4, 16, 14, 0, 0
14, BEAM , 1, 4, 17, 15, 0, 0
*MATERIAL    : Material
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
bMASS, DAMPRATIO, [DATA1] : STEEL, CONC,
USER
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC
: [DATA1] : 1, DB, NAME, CODE
: [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
1, CONC , C24 , 0, 0, , C, NO, 0.05,
1, KS01-Civil(RC), KCI-2012 , C24
*MATL-COLOR
: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 0, 255, 0, 0, 0, 0, 255,
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, lxx, lyy, lzz
: 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,
PERI_IN, Cy, Cz : 3rd line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz
: 4th line
: ISEC, TYPE, SNAME, [OFFSET], bSD, 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, lxx1, lyy1, lzz1
: 3rd line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,
Zyy2 : 5th line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28
: 6th line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
: 7th line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,
Zzz2 : 9th line(STYPE=VALUE)
: OPT1, OPT2, [JOINT]
: 2nd line(STYPE=PSC)
: ELAST, DEN, POIS, POIC, THERMAL
: 2nd line(STYPE=PSC-CMPW)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
[WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
line(STYPE=PSC)
: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],
[CMPWEB-J] : 3rd
line(STYPE=PSC-CMPW)
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)
: [SIZE-A]-i
: 5th line(STYPE=PSC)
: [SIZE-B]-i
: 6th line(STYPE=PSC)
: [SIZE-C]-i
: 7th line(STYPE=PSC)
: [SIZE-D]-i
: 8th line(STYPE=PSC)
: [SIZE-A]-j
: 9th line(STYPE=PSC)
: [SIZE-B]-j
: 10th line(STYPE=PSC)
: [SIZE-C]-j
: 11th line(STYPE=PSC)
: [SIZE-D]-j
: 12th line(STYPE=PSC)
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMULTI, EsEc-L, EsEc-S : 2nd
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i,
tf2_i : 3rd line(STYPE=CMP-B/I)
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,
tf2_j : 4th line(STYPE=CMP-B/I)
: N1, N2, Hr, Hr2, tr1, tr2
: 5th line(STYPE=CMP-B)
: GN, CTC, Bc, Tc, Hh, EgdB, DgdDsb, Pgd,
Psb, bSYM, SW_j, SW_i : 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,
```

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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, EgdB, 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
: bUSERDEFMESH SIZE, MESH SIZE, 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, HUSER,
iVERT, VUSER, iUSERJ, 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, lxx, lyy, lzz
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,
bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [CMPWEB] : EFD, LRF, A, B, H, T
1, DBUSER , 코핑1 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 1.548, 2.8, 0, 0, 0, 0, 0, 0
2, DBUSER , 코핑2 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 1.5, 2.8, 0, 0, 0, 0, 0, 0
3, DBUSER , 코핑3 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 2.5, 2.8, 0, 0, 0, 0, 0, 0
4, DBUSER , 기둥 , CC, 0, 0, 0, 0,
0, 0, YES, SR , 2, 3, 0, 0, 0, 0, 0, 0, 0, 0
*SECT-COLOR
: ISEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
*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, lxx, lyy, lzz
: 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,
PERI_IN, Cy, Cz : 3rd line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz
: 4th line
: ISEC, TYPE, SNAME, [OFFSET], bSD, 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)
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```
      : 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, CONC , C24 , 1, KS01-Civil(RC),
,C24 , NO, 1, , , , 0, 0, 16800, NO, 0,
0,
0, 0, 0 , , , 0, NO, 1, , , ,
*ENDDATA
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■ 청도IC1교 부산방향(P1) 하부 input

```
-----
: MIDAS/Civil Text(MCT) File.
: Date : 2016/1/8
-----
*VERSION
8.4.5
*UNIT      : Unit System
: FORCE, LENGTH, HEAT, TEMPER
KN      , M, KCAL, C
*REBAR=MATL-CODE      : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE      : Nodes
: INO, X, Y, Z
1, 0, 0, 14.525
2, 2.05, 0, 14.525
3, 4.3, 0, 14.525
4, 5.8, 0, 14.525
5, 7.3, 0, 14.525
6, 9.35, 0, 14.525
7, 11.6, 0, 14.525
8, 5.8, 0, 0
9, 5.8, 0, 13.025
*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)
1, BEAM , 1, 1, 1, 2, 0, 0
2, BEAM , 1, 2, 2, 3, 0, 0
3, BEAM , 1, 3, 3, 4, 0, 0
4, BEAM , 1, 3, 4, 5, 0, 0
5, BEAM , 1, 2, 5, 6, 0, 0
6, BEAM , 1, 1, 6, 7, 0, 0
7, BEAM , 1, 4, 9, 8, 0, 0
*MATERIAL    : Material
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
bMASS, DAMPRATIO, [DATA1] : STEEL, CONC,
USER
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC
: [DATA1] : 1, DB, NAME, CODE
: [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
1, CONC , C24 , 0, 0, , C, NO, 0.05,
1, KS01-Civil(RC), KCI-2012 , C24
*MATL-COLOR
: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 0, 255,
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, lxx, lyy, lzz
: 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERLOUT,
PERLIN, 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, lxx1, lyy1, lzz1
: 3rd line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
PERLOUT1, PERLIN1, 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
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: 6th line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
: 7th line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
PERLOUT2, PERLIN2, 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)
: bUSERDEFMESHIZE, MESHIZE, 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_j, 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
: 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
: bUSERDEFMESHIZE, MESHIZE, 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, lxx, lyy, lzz
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,
bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [CMPWEB] : EFD, LRF, A, B, H, T
1, DBUSER , 코핑1 , CC, 0, 0, 0, 0, 0,
0, 0, YES, SB , 2, 1.527, 2.8, 0, 0, 0, 0, 0, 0,
2, DBUSER , 코핑2 , CC, 0, 0, 0, 0, 0,
0, 0, YES, SB , 2, 1.717, 2.8, 0, 0, 0, 0, 0, 0,
3, DBUSER , 코핑3 , CC, 0, 0, 0, 0, 0,
0, 0, YES, SB , 2, 3, 2.8, 0, 0, 0, 0, 0, 0,
4, DBUSER , 기둥 , CC, 0, 0, 0, 0, 0,
0, 0, YES, SR , 2, 3, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0
*SECT-COLOR
: iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
*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, lxx, lyy, lzz
: 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERLOUT,
PERLIN, 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, lxx1, lyy1, lzz1
: 3rd line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
PERLOUT1, PERLIN1, Cy1, Cz1 : 4th
line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,
Zyy2 : 5th line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28
: 6th line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
: 7th line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
PERLOUT2, PERLIN2, Cy2, Cz2 : 8th
```

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line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,
Zzz2 : 9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT]
; : 2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL
; : 2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
[WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],
[CMPWEB-J] : 3rd
line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)
; [SIZE-A]-I
; : 5th line(STYPE=PSC)
; [SIZE-B]-I
; : 6th line(STYPE=PSC)
; [SIZE-C]-I
; : 7th line(STYPE=PSC)
; [SIZE-D]-I
; : 8th line(STYPE=PSC)
; [SIZE-A]-J
; : 9th line(STYPE=PSC)
; [SIZE-B]-J
; : 10th line(STYPE=PSC)
; [SIZE-C]-J
; : 11th line(STYPE=PSC)
; [SIZE-D]-J
; : 12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMULTI, EsEc-L, EsEc-S : 2nd
line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,
tf2_j : 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_j, 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
; 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
; bUSERDEFMESH SIZE, MESH SIZE, 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, lxx, lyy, lzz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,
bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; 1, DBUSER, , 코핑1, , CC, 0, 0, 0, 0,
0, 0, YES, SB, 2, 1.527, 2.8, 0, 0, 0, 0, 0, 0
; 2, DBUSER, , 코핑2, , CC, 0, 0, 0, 0,
0, 0, YES, SB, 2, 1.717, 2.8, 0, 0, 0, 0, 0, 0
; 3, DBUSER, , 코핑3, , CC, 0, 0, 0, 0,
0, 0, YES, SB, 2, 3, 2.8, 0, 0, 0, 0, 0, 0
; 4, DBUSER, , 기둥, , CC, 0, 0, 0, 0,
0, 0, YES, SR, 2, 3, 0, 0, 0, 0, 0, 0, 0
; *STLDCASE : Static Load Cases
; LCNAME, LCTYPE, DESC
; D, USER,
; L, USER,
; W-TR, USER,
; WL, USER,
; W-LO, USER,
; *CONSTRAINT : Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
8, 111111,
; *RIGIDLINK : Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
4, 111111, 9,
; *USE-STLD, D
; *SELFWEIGHT, X, Y, Z, GROUP
; *SELFWEIGHT, 0, 0, -1,
; *CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
2, 0, 0, -5153.18, 0, 0, 0,
6, 0, 0, -4813.23, 0, 0, 0,
; End of data for load case [D]
; -----
; *USE-STLD, L
; *CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
1, 28.35, 0, 0, 0, 0, 0,
2, 304.275, 0, 0, 0, 962.422, 0,
6, 304.275, 0, 0, 0, 962.422, 0,
; *BEAMLOAD : Element Beam Loads
; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN],
[VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ,
bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN] : bECCEN, ECCDIR, I-END, J-END,
bJ-END
; [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END,
ADDITIONAL_J-END, bADDITIONAL_J-END
7, LINE, , UNILoad, GX, NO, NO, aDir[1], , , 0,
4.5, 1, 4.5, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [W-TR]
; -----
; *USE-STLD, WL
; *CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
2, 37.5, 0, 0, 0, 210.675, 0,
6, 37.5, 0, 0, 0, 210.675, 0,
; End of data for load case [WL]
; -----
; *USE-STLD, W-LO
; *BEAMLOAD : Element Beam Loads
; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN],
[VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ,
bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN] : bECCEN, ECCDIR, I-END, J-END,
bJ-END
; [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END,
ADDITIONAL_J-END, bADDITIONAL_J-END
1, LINE, , UNILoad, GY, NO, NO, aDir[1], , , 0,
11.5313, 1, 11.5313, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE, , UNILoad, GY, NO, NO, aDir[1], , , 0,
12.6563, 1, 12.6563, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE, , UNILoad, GY, NO, NO, aDir[1], , , 0,
16.875, 1, 16.875, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE, , UNILoad, GY, NO, NO, aDir[1], , , 0,
16.875, 1, 16.875, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE, , UNILoad, GY, NO, NO, aDir[1], , , 0,
12.6563, 1, 12.6563, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE, , UNILoad, GY, NO, NO, aDir[1], , , 0,
11.5313, 1, 11.5313, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE, , UNILoad, GY, NO, NO, aDir[1], , , 0,
4.5, 1, 4.5, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [W-LO]
; -----
; *LOADCOMB : Combinations
; NAME=NAME, KIND, ACTIVE, bES, ITYPE, DESC,
ISERV-TYPE, nLCOMTYPE : line 1
; ANAL1, LCNAME1, FACT1, ...
; : from line 2
NAME=ULB01, GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, L, 2.15
NAME=ULB03, GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, W-TR, 1.3
; *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, D, 0, 128, 192, 163, 255, 160, 192, 72, 0
ST, L, 212, 160, 255, 160, 255, 255, 85, 0, 192
ST, W-TR, 210, 210, 210, 0, 192, 192, 78, 0, 255
ST, WL, 192, 192, 0, 255, 0, 192, 192, 0, 128
ST, W-LO, 210, 210, 210, 255, 87, 87, 192, 0, 192
CB, ULB01, 0, 128, 255, 163, 160, 255, 93, 255, 87
CB, ULB03, 160, 255, 255, 148, 87, 255, 85, 192, 0
; *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, CONC, C24, , 1, KS01-Civil(RC),
,C24, , NO, 1, , , 0, 0, 16800, NO, 0,
0, 0, 0, 0, NO, 1, , ,
0, 0, 0
; *ENDDATA

```