

■ 청도천2교 대구방향(S1~S3) 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, 0, 0, 0
2, 5, 0, 0
3, 7.5, 0, 0
4, 7.8125, 0, 0
5, 8.4375, 0, 0
6, 10, 0, 0
7, 15, 0, 0
8, 15.834, 0, 0
9, 16.042, 0, 0
10, 17.5, 0, 0
11, 17.917, 0, 0
12, 18.125, 0, 0
13, 20, 0, 0
14, 25, 0, 0
15, 30, 0, 0
16, 31.875, 0, 0
17, 32.083, 0, 0
18, 32.5, 0, 0
19, 34.375, 0, 0
20, 34.792, 0, 0
21, 35, 0, 0
22, 40, 0, 0
23, 40.3125, 0, 0
24, 40.9375, 0, 0
25, 45, 0, 0
26, 50, 0, 0
27, 55, 0, 0
28, 56.25, 0, 0
29, 60, 0, 0
30, 65, 0, 0
31, 65.625, 0, 0
32, 66.6125, 0, 0
33, 70.05, 0, 0
34, 74.55, 0, 0
35, 75, 0, 0
36, 0, 7.6, 0
37, 5, 7.6, 0
38, 7.5, 7.6, 0
39, 7.8125, 7.6, 0
40, 8.4375, 7.6, 0
41, 10, 7.6, 0
42, 15, 7.6, 0
43, 15.834, 7.6, 0
44, 16.042, 7.6, 0
45, 17.5, 7.6, 0
46, 17.917, 7.6, 0
47, 18.125, 7.6, 0
48, 20, 7.6, 0
49, 25, 7.6, 0
50, 30, 7.6, 0
51, 31.875, 7.6, 0
52, 32.083, 7.6, 0
53, 32.5, 7.6, 0
54, 34.375, 7.6, 0
55, 34.792, 7.6, 0
56, 35, 7.6, 0
57, 40, 7.6, 0
58, 40.3125, 7.6, 0
59, 40.9375, 7.6, 0
60, 45, 7.6, 0
61, 50, 7.6, 0
62, 55, 7.6, 0
63, 56.25, 7.6, 0
64, 60, 7.6, 0
65, 65, 7.6, 0
66, 65.625, 7.6, 0
67, 66.6125, 7.6, 0
68, 70.05, 7.6, 0
69, 74.55, 7.6, 0
70, 75, 7.6, 0
71, 0, 3.8, 0
72, 5, 3.8, 0
73, 7.5, 3.8, 0
74, 7.8125, 3.8, 0
75, 8.4375, 3.8, 0
76, 10, 3.8, 0
77, 15, 3.8, 0
78, 15.834, 3.8, 0

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79, 16.042, 3.8, 0
80, 17.5, 3.8, 0
81, 17.917, 3.8, 0
82, 18.125, 3.8, 0
83, 20, 3.8, 0
84, 25, 3.8, 0
85, 30, 3.8, 0
86, 31.875, 3.8, 0
87, 32.083, 3.8, 0
88, 32.5, 3.8, 0
89, 34.375, 3.8, 0
90, 34.792, 3.8, 0
91, 35, 3.8, 0
92, 40, 3.8, 0
93, 40.3125, 3.8, 0
94, 40.9375, 3.8, 0
95, 45, 3.8, 0
96, 50, 3.8, 0
97, 55, 3.8, 0
98, 56.25, 3.8, 0
99, 60, 3.8, 0
100, 65, 3.8, 0
101, 65.625, 3.8, 0
102, 66.6125, 3.8, 0
103, 70.05, 3.8, 0
104, 74.55, 3.8, 0
105, 75, 3.8, 0
106, -5, 0, 0
107, -7.5, 0, 0
108, -7.8125, 0, 0
109, -8.4375, 0, 0
110, -10, 0, 0
111, -15, 0, 0
112, -15.834, 0, 0
113, -16.042, 0, 0
114, -17.5, 0, 0
115, -17.917, 0, 0
116, -18.125, 0, 0
117, -20, 0, 0
118, -25, 0, 0
119, -30, 0, 0
120, -31.875, 0, 0
121, -32.083, 0, 0
122, -32.5, 0, 0
123, -34.375, 0, 0
124, -34.792, 0, 0
125, -35, 0, 0
126, -40, 0, 0
127, -40.3125, 0, 0
128, -40.9375, 0, 0
129, -45, 0, 0
130, -50, 0, 0
131, -55, 0, 0
132, -56.25, 0, 0
133, -60, 0, 0
134, -65, 0, 0
135, -65.625, 0, 0
136, -66.6125, 0, 0
137, -70.05, 0, 0
138, -74.55, 0, 0
139, -75, 0, 0
140, -5, 7.6, 0
141, -7.5, 7.6, 0
142, -7.8125, 7.6, 0
143, -8.4375, 7.6, 0
144, -10, 7.6, 0
145, -15, 7.6, 0
146, -15.834, 7.6, 0
147, -16.042, 7.6, 0
148, -17.5, 7.6, 0
149, -17.917, 7.6, 0
150, -18.125, 7.6, 0
151, -20, 7.6, 0
152, -25, 7.6, 0
153, -30, 7.6, 0
154, -31.875, 7.6, 0
155, -32.083, 7.6, 0
156, -32.5, 7.6, 0
157, -34.375, 7.6, 0
158, -34.792, 7.6, 0
159, -35, 7.6, 0
160, -40, 7.6, 0
161, -40.3125, 7.6, 0
162, -40.9375, 7.6, 0
163, -45, 7.6, 0
164, -50, 7.6, 0
165, -55, 7.6, 0
166, -56.25, 7.6, 0
167, -60, 7.6, 0
168, -65, 7.6, 0
169, -65.625, 7.6, 0
170, -66.6125, 7.6, 0
171, -70.05, 7.6, 0
172, -74.55, 7.6, 0
173, -75, 7.6, 0
174, -74.55, 3.8, 0
175, -70.05, 3.8, 0

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176, -65, 3.8, 0
177, -60, 3.8, 0
178, -55, 3.8, 0
179, -50, 3.8, 0
180, -45, 3.8, 0
181, -40, 3.8, 0
182, -35, 3.8, 0
183, -30, 3.8, 0
184, -25, 3.8, 0
185, -20, 3.8, 0
186, -15, 3.8, 0
187, -10, 3.8, 0
188, -5, 3.8, 0
189, -7.5, 3.8, 0
190, -7.8125, 3.8, 0
191, -8.4375, 3.8, 0
192, -15.834, 3.8, 0
193, -16.042, 3.8, 0
194, -17.5, 3.8, 0
195, -17.917, 3.8, 0
196, -18.125, 3.8, 0
197, -31.875, 3.8, 0
198, -32.083, 3.8, 0
199, -32.5, 3.8, 0
200, -34.375, 3.8, 0
201, -34.792, 3.8, 0
202, -40.3125, 3.8, 0
203, -40.9375, 3.8, 0
204, -56.25, 3.8, 0
205, -65.625, 3.8, 0
206, -66.6125, 3.8, 0
207, -75, 3.8, 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, 1, 2, 0, 0
2, BEAM , 1, 14, 2, 3, 0, 0
3, BEAM , 1, 13, 3, 4, 0, 0
4, BEAM , 1, 12, 4, 5, 0, 0
5, BEAM , 1, 6, 5, 6, 0, 0
6, BEAM , 1, 6, 6, 7, 0, 0
7, BEAM , 1, 6, 7, 8, 0, 0
8, BEAM , 1, 7, 8, 9, 0, 0
9, BEAM , 1, 8, 9, 10, 0, 0
10, BEAM , 1, 9, 10, 11, 0, 0
11, BEAM , 1, 10, 11, 12, 0, 0
12, BEAM , 1, 11, 12, 13, 0, 0
13, BEAM , 1, 11, 13, 14, 0, 0
14, BEAM , 1, 11, 14, 15, 0, 0
15, BEAM , 1, 11, 15, 16, 0, 0
16, BEAM , 1, 10, 16, 17, 0, 0
17, BEAM , 1, 9, 17, 18, 0, 0
18, BEAM , 1, 8, 18, 19, 0, 0
19, BEAM , 1, 7, 19, 20, 0, 0
20, BEAM , 1, 6, 20, 21, 0, 0
21, BEAM , 1, 6, 21, 22, 0, 0
22, BEAM , 1, 5, 22, 23, 0, 0
23, BEAM , 1, 4, 23, 24, 0, 0
24, BEAM , 1, 3, 24, 25, 0, 0
25, BEAM , 1, 3, 25, 26, 0, 0
26, BEAM , 1, 3, 26, 27, 0, 0
27, BEAM , 1, 3, 27, 28, 0, 0
28, BEAM , 1, 3, 28, 29, 0, 0
29, BEAM , 1, 3, 29, 30, 0, 0
30, BEAM , 1, 3, 30, 31, 0, 0
31, BEAM , 1, 2, 31, 32, 0, 0
32, BEAM , 1, 1, 32, 33, 0, 0
33, BEAM , 1, 1, 33, 34, 0, 0
34, BEAM , 1, 1, 34, 35, 0, 0
35, BEAM , 1, 14, 36, 37, 0, 0
36, BEAM , 1, 14, 37, 38, 0, 0
37, BEAM , 1, 13, 38, 39, 0, 0
38, BEAM , 1, 12, 39, 40, 0, 0
39, BEAM , 1, 6, 40, 41, 0, 0
40, BEAM , 1, 6, 41, 42, 0, 0
41, BEAM , 1, 6, 42, 43, 0, 0
42, BEAM , 1, 7, 43, 44, 0, 0
43, BEAM , 1, 8, 44, 45, 0, 0
44, BEAM , 1, 9, 45, 46, 0, 0
45, BEAM , 1, 10, 46, 47, 0, 0
46, BEAM , 1, 11, 47, 48, 0, 0
47, BEAM , 1, 11, 48, 49, 0, 0
48, BEAM , 1, 11, 49, 50, 0, 0
49, BEAM , 1, 11, 50, 51, 0, 0
50, BEAM , 1, 10, 51, 52, 0, 0
51, BEAM , 1, 9, 52, 53, 0, 0
52, BEAM , 1, 8, 53, 54, 0, 0
53, BEAM , 1, 7, 54, 55, 0, 0
54, BEAM , 1, 6, 55, 56, 0, 0

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55, BEAM , 1, 6, 56, 57, 0, 0	152, BEAM , 1, 8, 122, 123, 0, 0	249, BEAM , 2, 16, 183, 197, 0, 0
56, BEAM , 1, 5, 57, 58, 0, 0	153, BEAM , 1, 7, 123, 124, 0, 0	250, BEAM , 2, 16, 197, 198, 0, 0
57, BEAM , 1, 4, 58, 59, 0, 0	154, BEAM , 1, 6, 124, 125, 0, 0	251, BEAM , 2, 16, 198, 199, 0, 0
58, BEAM , 1, 3, 59, 60, 0, 0	155, BEAM , 1, 6, 125, 126, 0, 0	252, BEAM , 2, 16, 199, 200, 0, 0
59, BEAM , 1, 3, 60, 61, 0, 0	156, BEAM , 1, 5, 126, 127, 0, 0	253, BEAM , 2, 16, 200, 201, 0, 0
60, BEAM , 1, 3, 61, 62, 0, 0	157, BEAM , 1, 4, 127, 128, 0, 0	254, BEAM , 2, 16, 201, 182, 0, 0
61, BEAM , 1, 3, 62, 63, 0, 0	158, BEAM , 1, 3, 128, 129, 0, 0	255, BEAM , 2, 16, 182, 181, 0, 0
62, BEAM , 1, 3, 63, 64, 0, 0	159, BEAM , 1, 3, 129, 130, 0, 0	256, BEAM , 2, 16, 181, 202, 0, 0
63, BEAM , 1, 3, 64, 65, 0, 0	160, BEAM , 1, 3, 130, 131, 0, 0	257, BEAM , 2, 16, 202, 203, 0, 0
64, BEAM , 1, 3, 65, 66, 0, 0	161, BEAM , 1, 3, 131, 132, 0, 0	258, BEAM , 2, 16, 203, 180, 0, 0
65, BEAM , 1, 2, 66, 67, 0, 0	162, BEAM , 1, 3, 132, 133, 0, 0	259, BEAM , 2, 16, 180, 179, 0, 0
66, BEAM , 1, 1, 67, 68, 0, 0	163, BEAM , 1, 3, 133, 134, 0, 0	260, BEAM , 2, 16, 179, 178, 0, 0
67, BEAM , 1, 1, 68, 69, 0, 0	164, BEAM , 1, 3, 134, 135, 0, 0	261, BEAM , 2, 16, 178, 204, 0, 0
68, BEAM , 1, 1, 69, 70, 0, 0	165, BEAM , 1, 2, 135, 136, 0, 0	262, BEAM , 2, 16, 204, 177, 0, 0
69, BEAM , 2, 15, 34, 104, 0, 0	166, BEAM , 1, 1, 136, 137, 0, 0	263, BEAM , 2, 16, 177, 176, 0, 0
70, BEAM , 2, 15, 104, 69, 0, 0	167, BEAM , 1, 1, 137, 138, 0, 0	264, BEAM , 2, 16, 176, 205, 0, 0
71, BEAM , 2, 15, 33, 103, 0, 0	168, BEAM , 1, 1, 138, 139, 0, 0	265, BEAM , 2, 16, 205, 206, 0, 0
72, BEAM , 2, 15, 103, 68, 0, 0	169, BEAM , 1, 14, 36, 140, 0, 0	266, BEAM , 2, 16, 206, 175, 0, 0
73, BEAM , 2, 15, 30, 100, 0, 0	170, BEAM , 1, 14, 140, 141, 0, 0	267, BEAM , 2, 16, 175, 174, 0, 0
74, BEAM , 2, 15, 100, 65, 0, 0	171, BEAM , 1, 13, 141, 142, 0, 0	268, BEAM , 2, 16, 174, 207, 0, 0
75, BEAM , 2, 15, 29, 99, 0, 0	172, BEAM , 1, 12, 142, 143, 0, 0	
76, BEAM , 2, 15, 99, 64, 0, 0	173, BEAM , 1, 6, 143, 144, 0, 0	*MATERIAL : Material
77, BEAM , 2, 15, 27, 97, 0, 0	174, BEAM , 1, 6, 144, 145, 0, 0	: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
78, BEAM , 2, 15, 97, 62, 0, 0	175, BEAM , 1, 6, 145, 146, 0, 0	bMASS, DAMPRATIO, [DATA1] : STEEL, CONC,
79, BEAM , 2, 15, 26, 96, 0, 0	176, BEAM , 1, 7, 146, 147, 0, 0	USER
80, BEAM , 2, 15, 96, 61, 0, 0	177, BEAM , 1, 8, 147, 148, 0, 0	: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
81, BEAM , 2, 15, 25, 95, 0, 0	178, BEAM , 1, 9, 148, 149, 0, 0	bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC
82, BEAM , 2, 15, 95, 60, 0, 0	179, BEAM , 1, 10, 149, 150, 0, 0	: [DATA1] : 1, DB, NAME, CODE
83, BEAM , 2, 15, 22, 92, 0, 0	180, BEAM , 1, 11, 150, 151, 0, 0	: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
84, BEAM , 2, 15, 92, 57, 0, 0	181, BEAM , 1, 11, 151, 152, 0, 0	: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz,
85, BEAM , 2, 15, 21, 91, 0, 0	182, BEAM , 1, 11, 152, 153, 0, 0	Pxy, Pxz, Pyz, DEN, MASS : Orthotropic
86, BEAM , 2, 15, 91, 56, 0, 0	183, BEAM , 1, 11, 153, 154, 0, 0	: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,
87, BEAM , 2, 15, 15, 85, 0, 0	184, BEAM , 1, 10, 154, 155, 0, 0	THERMAL, DEN, MASS
88, BEAM , 2, 15, 85, 50, 0, 0	185, BEAM , 1, 9, 155, 156, 0, 0	1, STEEL, SM490 , 0, 0, , C, NO, 0.02,
89, BEAM , 2, 15, 14, 84, 0, 0	186, BEAM , 1, 8, 156, 157, 0, 0	1, KS10-Civil(S), , SM490
90, BEAM , 2, 15, 84, 49, 0, 0	187, BEAM , 1, 7, 157, 158, 0, 0	2, STEEL, SM400 , 0, 0, , C, NO, 0.02,
91, BEAM , 2, 15, 13, 83, 0, 0	188, BEAM , 1, 6, 158, 159, 0, 0	1, KS10-Civil(S), , SM400
92, BEAM , 2, 15, 83, 48, 0, 0	189, BEAM , 1, 6, 159, 160, 0, 0	*MATL-COLOR
93, BEAM , 2, 15, 7, 77, 0, 0	190, BEAM , 1, 5, 160, 161, 0, 0	: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
94, BEAM , 2, 15, 77, 42, 0, 0	191, BEAM , 1, 4, 161, 162, 0, 0	HE_G, HE_B, bBLEND, FACT
95, BEAM , 2, 15, 6, 76, 0, 0	192, BEAM , 1, 3, 162, 163, 0, 0	1, 255, 0, 0, 0, 255, 0, 0, 0, 255,
96, BEAM , 2, 15, 76, 41, 0, 0	193, BEAM , 1, 3, 163, 164, 0, 0	NO, 0.5
97, BEAM , 2, 15, 2, 72, 0, 0	194, BEAM , 1, 3, 164, 165, 0, 0	2, 255, 0, 0, 0, 255, 0, 0, 0, 255,
98, BEAM , 2, 15, 72, 37, 0, 0	195, BEAM , 1, 3, 165, 166, 0, 0	NO, 0.5
99, BEAM , 2, 15, 1, 71, 0, 0	196, BEAM , 1, 3, 166, 167, 0, 0	*SECTION : Section
100, BEAM , 2, 15, 71, 36, 0, 0	197, BEAM , 1, 3, 167, 168, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],
101, BEAM , 2, 16, 71, 72, 0, 0	198, BEAM , 1, 3, 168, 169, 0, 0	[DATA2] : 1st line - DB/USER
102, BEAM , 2, 16, 72, 73, 0, 0	199, BEAM , 1, 2, 169, 170, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,
103, BEAM , 2, 16, 73, 74, 0, 0	200, BEAM , 1, 1, 170, 171, 0, 0	..., D8, ICEL : 1st line - VALUE
104, BEAM , 2, 16, 74, 75, 0, 0	201, BEAM , 1, 1, 171, 172, 0, 0	: AREA, ASy, ASz, lxx, lyy, lzz
105, BEAM , 2, 16, 75, 76, 0, 0	202, BEAM , 1, 1, 172, 173, 0, 0	: 2nd line
106, BEAM , 2, 16, 76, 77, 0, 0	203, BEAM , 2, 15, 138, 174, 0, 0	: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,
107, BEAM , 2, 16, 77, 78, 0, 0	204, BEAM , 2, 15, 174, 172, 0, 0	PERI_IN, Cy, Cz : 3rd line
108, BEAM , 2, 16, 78, 79, 0, 0	205, BEAM , 2, 15, 137, 175, 0, 0	: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz
109, BEAM , 2, 16, 79, 80, 0, 0	206, BEAM , 2, 15, 175, 171, 0, 0	: 4th line
110, BEAM , 2, 16, 80, 81, 0, 0	207, BEAM , 2, 15, 134, 176, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,
111, BEAM , 2, 16, 81, 82, 0, 0	208, BEAM , 2, 15, 176, 168, 0, 0	DEN, POIS, POIC, SF, THERMAL : 1st line - SRC
112, BEAM , 2, 16, 82, 83, 0, 0	209, BEAM , 2, 15, 133, 177, 0, 0	: D1, D2, [SRC]
113, BEAM , 2, 16, 83, 84, 0, 0	210, BEAM , 2, 15, 177, 167, 0, 0	: 2nd line
114, BEAM , 2, 16, 84, 85, 0, 0	211, BEAM , 2, 15, 131, 178, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,
115, BEAM , 2, 16, 85, 86, 0, 0	212, BEAM , 2, 15, 178, 165, 0, 0	NAME1, NAME2, D1, D2 : 1st line - COMBINED
116, BEAM , 2, 16, 86, 87, 0, 0	213, BEAM , 2, 15, 130, 179, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,
117, BEAM , 2, 16, 87, 88, 0, 0	214, BEAM , 2, 15, 179, 164, 0, 0	D12, D13, D14, D15, D21, D22, D23, D24
118, BEAM , 2, 16, 88, 89, 0, 0	215, BEAM , 2, 15, 129, 180, 0, 0	: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,
119, BEAM , 2, 16, 89, 90, 0, 0	216, BEAM , 2, 15, 180, 163, 0, 0	izVAR, STYPE : 1st line - TAPERED
120, BEAM , 2, 16, 90, 91, 0, 0	217, BEAM , 2, 15, 126, 181, 0, 0	: DB, NAME1, NAME2
121, BEAM , 2, 16, 91, 92, 0, 0	218, BEAM , 2, 15, 181, 160, 0, 0	: 2nd line(STYPE=DB)
122, BEAM , 2, 16, 92, 93, 0, 0	219, BEAM , 2, 15, 125, 182, 0, 0	: [DIM1], [DIM2]
123, BEAM , 2, 16, 93, 94, 0, 0	220, BEAM , 2, 15, 182, 159, 0, 0	: 2nd line(STYPE=USER)
124, BEAM , 2, 16, 94, 95, 0, 0	221, BEAM , 2, 15, 119, 183, 0, 0	: D11, D12, D13, D14, D15, D16, D17, D18
125, BEAM , 2, 16, 95, 96, 0, 0	222, BEAM , 2, 15, 183, 153, 0, 0	: 2nd line(STYPE=VALUE)
126, BEAM , 2, 16, 96, 97, 0, 0	223, BEAM , 2, 15, 118, 184, 0, 0	: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1
127, BEAM , 2, 16, 97, 98, 0, 0	224, BEAM , 2, 15, 184, 152, 0, 0	: 3rd line(STYPE=VALUE)
128, BEAM , 2, 16, 98, 99, 0, 0	225, BEAM , 2, 15, 117, 185, 0, 0	: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
129, BEAM , 2, 16, 99, 100, 0, 0	226, BEAM , 2, 15, 185, 151, 0, 0	PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
130, BEAM , 2, 16, 100, 101, 0, 0	227, BEAM , 2, 15, 111, 186, 0, 0	line(STYPE=VALUE)
131, BEAM , 2, 16, 101, 102, 0, 0	228, BEAM , 2, 15, 186, 145, 0, 0	: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,
132, BEAM , 2, 16, 102, 103, 0, 0	229, BEAM , 2, 15, 110, 187, 0, 0	Zyy2 : 5th line(STYPE=VALUE)
133, BEAM , 2, 16, 103, 104, 0, 0	230, BEAM , 2, 15, 187, 144, 0, 0	: D21, D22, D23, D24, D25, D26, D27, D28
134, BEAM , 2, 16, 104, 105, 0, 0	231, BEAM , 2, 15, 106, 188, 0, 0	: 6th line(STYPE=VALUE)
135, BEAM , 1, 14, 1, 106, 0, 0	232, BEAM , 2, 15, 188, 140, 0, 0	: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
136, BEAM , 1, 14, 106, 107, 0, 0	233, BEAM , 2, 15, 1, 71, 0, 0	: 7th line(STYPE=VALUE)
137, BEAM , 1, 13, 107, 108, 0, 0	234, BEAM , 2, 15, 71, 36, 0, 0	: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
138, BEAM , 1, 12, 108, 109, 0, 0	235, BEAM , 2, 16, 71, 188, 0, 0	PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
139, BEAM , 1, 6, 109, 110, 0, 0	236, BEAM , 2, 16, 188, 189, 0, 0	line(STYPE=VALUE)
140, BEAM , 1, 6, 110, 111, 0, 0	237, BEAM , 2, 16, 189, 190, 0, 0	: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,
141, BEAM , 1, 6, 111, 112, 0, 0	238, BEAM , 2, 16, 190, 191, 0, 0	Zzz2 : 9th line(STYPE=VALUE)
142, BEAM , 1, 7, 112, 113, 0, 0	239, BEAM , 2, 16, 191, 187, 0, 0	: OPT1, OPT2, [JOINT]
143, BEAM , 1, 8, 113, 114, 0, 0	240, BEAM , 2, 16, 187, 186, 0, 0	: 2nd line(STYPE=PSC)
144, BEAM , 1, 9, 114, 115, 0, 0	241, BEAM , 2, 16, 186, 192, 0, 0	: ELAST, DEN, POIS, POIC, THERMAL
145, BEAM , 1, 10, 115, 116, 0, 0	242, BEAM , 2, 16, 192, 193, 0, 0	: 2nd line(STYPE=PSC-CMPW)
146, BEAM , 1, 11, 116, 117, 0, 0	243, BEAM , 2, 16, 193, 194, 0, 0	: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
147, BEAM , 1, 11, 117, 118, 0, 0	244, BEAM , 2, 16, 194, 195, 0, 0	[WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
148, BEAM , 1, 11, 118, 119, 0, 0	245, BEAM , 2, 16, 195, 196, 0, 0	line(STYPE=PSC)
149, BEAM , 1, 11, 119, 120, 0, 0	246, BEAM , 2, 16, 196, 185, 0, 0	: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],
150, BEAM , 1, 10, 120, 121, 0, 0	247, BEAM , 2, 16, 185, 184, 0, 0	[CMPWEB-J] : 3rd
151, BEAM , 1, 9, 121, 122, 0, 0	248, BEAM , 2, 16, 184, 183, 0, 0	line(STYPE=PSC-CMPW)
		: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,

[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)	: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10	0.18, 1.2, NO, ,
: [SIZE-A]-i	: [DATA2] : CCSHAPE or ICEL or IN1, IN2	7, COMPOSITE , 7 , CC, 0, 0, 0, 0, 0, 0, YES, B
: 5th line(STYPE=PSC)	: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, IN1, IN2	2.4, 0.012, 2.6, 0.1, 0.02, 2.6, 0.1, 0.024
: 6th line(STYPE=PSC)	: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8	1, 0, 0, 0, 5, 5
: 7th line(STYPE=PSC)	: [OFFSET] : OFFSET, ICENT, IREF, IHORZ, HUSER, IVERT, VUSER	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 8th line(STYPE=PSC)	: [OFFSET2]: OFFSET, ICENT, IREF, IHORZ, HUSERI, HUSERJ, IVERT, VUSERI, VUSERJ	0
: [SIZE-A]-j	: [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)	0
: 9th line(STYPE=PSC)	: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [SIZE-B]-j	: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)	0.433, 0, NO, 0.433, 0, NO
: 10th line(STYPE=PSC)	: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [SIZE-C]-j	: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)	0.433, 0, NO, 0.433, 0, NO
: 11th line(STYPE=PSC)	: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: [SIZE-D]-j	: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3	0.18, 1.2, NO, ,
: 12th line(STYPE=PSC)	: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3	8, COMPOSITE , 8 , CC, 0, 0, 0, 0, 0, 0, YES, B
GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 2nd line(STYPE=CMP-B/I)	: [CMPWEB] : EFD, LRF, A, B, H, T	2.4, 0.012, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 3rd line(STYPE=CMP-B/I)	1, COMPOSITE , 1 , CC, 0, 0, 0, 0, 0, 0, YES, B	1, 0, 0, 0, 5, 5
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 4th line(STYPE=CMP-B/I)	2.4, 0.012, 2.6, 0.1, 0.01, 2.6, 0.1, 0.012	1, 0, 0, 0, 5, 3
: N1, N2, Hr, Hr2, tr1, tr2 : 5th line(STYPE=CMP-B)	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_j, SW_j : 2nd line(STYPE=CMP-CI/CT)	0	0
: OPT1, OPT2, [JOINT] : 3rd line(STYPE=CMP-CI/CT)	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [SIZE-A]-i	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
: 4th line(STYPE=CMP-CI/CT)	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.18, 1.2, NO, ,
: [SIZE-B]-i	2, COMPOSITE , 2 , CC, 0, 0, 0, 0, 0, 0, YES, B	2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.012
: 5th line(STYPE=CMP-CI/CT)	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 3, 5
: [SIZE-C]-i	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0
: 6th line(STYPE=CMP-CI/CT)	0	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
: [SIZE-D]-i	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
: 7th line(STYPE=CMP-CI/CT)	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.18, 1.2, NO, ,
: [SIZE-A]-j	3, COMPOSITE , 3 , CC, 0, 0, 0, 0, 0, 0, YES, B	2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.018
: 8th line(STYPE=CMP-CI/CT)	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 3, 5
: [SIZE-B]-j	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0
: 9th line(STYPE=CMP-CI/CT)	0	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
: [SIZE-C]-j	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
: 10th line(STYPE=CMP-CI/CT)	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.18, 1.2, NO, ,
: [SIZE-D]-j	3, COMPOSITE , 3 , CC, 0, 0, 0, 0, 0, 0, YES, B	2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.018
: 11th line(STYPE=CMP-CI/CT)	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 3, 5
iSEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2 : 1st line - CONSTRUCT	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0
: SHAPE, ...(same with other type data from shape) : Before (STYPE1)	0	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
: SHAPE, ...(same with other type data from shape) : After (STYPE2)	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - COMPOSITE-SB	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.18, 1.2, NO, ,
: Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 : 2nd line	4, COMPOSITE , 4 , CC, 0, 0, 0, 0, 0, 0, YES, B	2.4, 0.012, 2.6, 0.1, 0.02, 2.6, 0.1, 0.012
: N1, N2, Hr, Hr2, tr1, tr2 : 3rd line	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 3, 5
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 4th line	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - COMPOSITE-SI	0	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
: Hw, tw, B, Bf1, B2, tf2 : 2nd line	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 3rd line	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.18, 1.2, NO, ,
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - COMPOSITE-CI/CT	5, COMPOSITE , 5 , CC, 0, 0, 0, 0, 0, 0, YES, B	2.4, 0.012, 2.6, 0.1, 0.02, 2.6, 0.1, 0.012
: OPT1, OPT2, [JOINT] : 2nd line	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 3, 5
: [SIZE-A]	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0
: 3rd line	0	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
: [SIZE-B]	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
: 4th line	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.18, 1.2, NO, ,
: [SIZE-C]	5, COMPOSITE , 5 , CC, 0, 0, 0, 0, 0, 0, YES, B	2.4, 0.012, 2.6, 0.1, 0.02, 2.6, 0.1, 0.02
: 5th line	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 3, 5
: [SIZE-D]	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0
: 6th line	0	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb : 7th line	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - PSC	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.18, 1.2, NO, ,
: OPT1, OPT2, [JOINT] : 2nd line	6, COMPOSITE , 6 , CC, 0, 0, 0, 0, 0, 0, YES, B	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line	1, 0, 0, 0, 5, 5	1, 0, 0, 0, 5, 5
: bUSERDEFMESHESIZE, MESHESIZE, bUSERINPSTIFF, [STIFF] : 4th line	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: [SIZE-A]	0	0
: 5th line	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [SIZE-B]	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
: 6th line	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: [SIZE-C]	0.433, 0, NO, 0.433, 0, NO	0.18, 1.2, NO, ,
: 7th line	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	13, COMPOSITE , 13 , CC, 0, 0, 0, 0, 0, 0, YES, B
: [SIZE-D]	0.433, 0, NO, 0.433, 0, NO	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
: 8th line	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	1, 0, 0, 0, 5, 5
		1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
		0
		5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
		0.433, 0, NO, 0.433, 0, NO
		5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
		0.433, 0, NO, 0.433, 0, NO
		12.6, 2, 3.8, 6.3, 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, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
		1, 0, 0, 0, 3, 5
		1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
		0
		0
		3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO

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5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 0.01, 0.012, 0.3, 0.012, 0, 0, 0,
0
*SECT-COLOR
: ISEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
5, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
6, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
7, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
8, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
9, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
10, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
11, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
12, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
13, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
14, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
15, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
16, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
*DGN-SECT
: ISEC, TYPE, SNAME, [OFFSET], bSD, 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
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_j, 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
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
[STIFF] : 4th line
: [SIZE-A]
: 5th line
: [SIZE-B]
: 6th line
: [SIZE-C]
: 7th line
: 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, COMPOSITE , 1 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.6, 0.1, 0.01, 2.6, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.014, 2.6, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.014, 2.6, 0.1, 0.018
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.02, 2.6, 0.1, 0.018
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.02, 2.6, 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, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.02, 2.6, 0.1, 0.02
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
```

0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.02, 2.6, 0.1, 0.024
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.024, 2.6, 0.1, 0.03
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.028, 2.6, 0.1, 0.03
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.02, 2.6, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0

0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 0.01, 0.012, 0.3, 0.012, 0, 0, 0,
0
*STLDCASE : Static Load Cases
: LCNAME, LCTYPE, DESC
자중 , D ,
슬래브하중, D ,
방호벽 및 포장하중, D ,
단위모멘트, USER,
*CONSTRAINT : Supports
: NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
14 49, 111000,
34 69 118 138 152 172, 011000,
*OFFSET : Beam End Offsets
: ELEM_LIST, TYPE, RGDXI, RGDI, RGDXJ, RGDI,
RGDXJ, RGDI, GROUP : TYPE=GLOBAL
: ELEM_LIST, TYPE, RGDI, RGDI, GROUP
: TYPE=ELEMENT
69, ELEMENT, 0, 1.2,
70, ELEMENT, 1.2, 0,
71, ELEMENT, 0, 1.2,
72, ELEMENT, 1.2, 0,
73, ELEMENT, 0, 1.2,
74, ELEMENT, 1.2, 0,
75, ELEMENT, 0, 1.2,
76, ELEMENT, 1.2, 0,
77, ELEMENT, 0, 1.2,
78, ELEMENT, 1.2, 0,
79, ELEMENT, 0, 1.2,
80, ELEMENT, 1.2, 0,
81, ELEMENT, 0, 1.2,
82, ELEMENT, 1.2, 0,
83, ELEMENT, 0, 1.2,
84, ELEMENT, 1.2, 0,
85, ELEMENT, 0, 1.2,
86, ELEMENT, 1.2, 0,
87, ELEMENT, 0, 1.2,
88, ELEMENT, 1.2, 0,
89, ELEMENT, 0, 1.2,
90, ELEMENT, 1.2, 0,
91, ELEMENT, 0, 1.2,
92, ELEMENT, 1.2, 0,
93, ELEMENT, 0, 1.2,
94, ELEMENT, 1.2, 0,
95, ELEMENT, 0, 1.2,
96, ELEMENT, 1.2, 0,
97, ELEMENT, 0, 1.2,
98, ELEMENT, 1.2, 0,
99, ELEMENT, 0, 1.2,
100, ELEMENT, 1.2, 0,
203, ELEMENT, 0, 1.2,
204, ELEMENT, 1.2, 0,
205, ELEMENT, 0, 1.2,
206, ELEMENT, 1.2, 0,
207, ELEMENT, 0, 1.2,
208, ELEMENT, 1.2, 0,
209, ELEMENT, 0, 1.2,
210, ELEMENT, 1.2, 0,
211, ELEMENT, 0, 1.2,
212, ELEMENT, 1.2, 0,
213, ELEMENT, 0, 1.2,
214, ELEMENT, 1.2, 0,
215, ELEMENT, 0, 1.2,
216, ELEMENT, 1.2, 0,
217, ELEMENT, 0, 1.2,
218, ELEMENT, 1.2, 0,
219, ELEMENT, 0, 1.2,
220, ELEMENT, 1.2, 0,
221, ELEMENT, 0, 1.2,
222, ELEMENT, 1.2, 0,
223, ELEMENT, 0, 1.2,
224, ELEMENT, 1.2, 0,
225, ELEMENT, 0, 1.2,
226, ELEMENT, 1.2, 0,
227, ELEMENT, 0, 1.2,
228, ELEMENT, 1.2, 0,
229, ELEMENT, 0, 1.2,
230, ELEMENT, 1.2, 0,
231, ELEMENT, 0, 1.2,
232, ELEMENT, 1.2, 0,
233, ELEMENT, 0, 1.2,
234, ELEMENT, 1.2, 0,
*USE-STLD, 자중
: *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 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_I-END,
ADDITIONAL_J-END, bADDITIONAL_J-END
1, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
1, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,

182, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	53, 0.95, 0.167, NO, 0,	54, 0.95, 0.167,
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	199, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	NO, 0
183, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	55, 0.95, 0.167, NO, 0,
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	199, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	NO, 0
183, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	57, 0.95, 0.167, NO, 0,
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	199, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	NO, 0
183, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	59, 0.95, 0.167, NO, 0,
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	200, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	NO, 0
184, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	61, 0.95, 0.167, NO, 0,
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	200, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	NO, 0
184, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	63, 0.95, 0.167, NO, 0,
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	200, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	NO, 0
184, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	65, 0.95, 0.167, NO, 0,
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	201, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	NO, 0
185, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	67, 0.95, 0.167, NO, 0,
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	201, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	NO, 0
185, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	201, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	268, 0.75, 0.167, YES, 0,
185, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	NO, 0
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	202, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	266, 0.75, 0.167, NO, 0,
186, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	265, 0.75, 0.167,
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	202, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	264, 0.75, 0.167, NO, 0,
186, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	NO, 0
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	202, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	262, 0.75, 0.167, NO, 0,
186, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	261, 0.75, 0.167,
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	; End of data for load case [방호벽 및 포장하중]		
187, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	-----		
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	*USE=STLD, 단위모멘트		
187, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	*CONLOAD : Nodal Loads		
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP		
187, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	34, 0, 0, 0, 0, -1, 0,		
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	69, 0, 0, 0, 0, -1, 0,		
188, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	138, 0, 0, 0, 0, 1, 0,		
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	172, 0, 0, 0, 0, 1, 0,		
188, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	; End of data for load case [단위모멘트]		
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	-----		
188, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	*MVLDCODE : Moving Load Code		
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	; CODE=CODE		
189, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	CODE=KOREA		
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	*LINELANE : Traffic Line Lanes		
189, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	; NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING,		
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	LW, WS, bLANEOPT : line 1		
189, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	; iELEM1, ECC1, FACT1, bSPAN1, ECCVL...		
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	; from line 2		
190, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	NAME=L1, LANE, , 0, 0, BOTH, 3, 1.8, NO		
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	202, 0.95, 0.167, YES, 0,	201, 0.95, 0.167,	NO, 0
190, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	200, 0.95, 0.167, NO, 0,	199, 0.95, 0.167,	NO, 0
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	198, 0.95, 0.167, NO, 0,	197, 0.95, 0.167,	NO, 0
190, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	196, 0.95, 0.167, NO, 0,	195, 0.95, 0.167,	NO, 0
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	194, 0.95, 0.167, NO, 0,	193, 0.95, 0.167,	NO, 0
191, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	192, 0.95, 0.167, NO, 0,	191, 0.95, 0.167,	NO, 0
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	190, 0.95, 0.167, NO, 0,	189, 0.95, 0.167,	NO, 0
191, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	188, 0.95, 0.167, NO, 0,	187, 0.95, 0.167,	NO, 0
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	186, 0.95, 0.167, NO, 0,	185, 0.95, 0.167,	NO, 0
191, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	184, 0.95, 0.167, NO, 0,	183, 0.95, 0.167,	NO, 0
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	182, 0.95, 0.167, NO, 0,	181, 0.95, 0.167,	NO, 0
192, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	180, 0.95, 0.167, NO, 0,	179, 0.95, 0.167,	NO, 0
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	178, 0.95, 0.167, NO, 0,	177, 0.95, 0.167,	NO, 0
192, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	176, 0.95, 0.167, NO, 0,	175, 0.95, 0.167,	NO, 0
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	174, 0.95, 0.167, NO, 0,	173, 0.95, 0.167,	NO, 0
192, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	172, 0.95, 0.167, NO, 0,	171, 0.95, 0.167,	NO, 0
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	170, 0.95, 0.167, NO, 0,	169, 0.95, 0.167,	NO, 0
193, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	35, 0.95, 0.167, NO, 0,	36, 0.95, 0.167,	NO, 0
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	37, 0.95, 0.167, NO, 0,	38, 0.95, 0.167,	NO, 0
193, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	39, 0.95, 0.167, NO, 0,	40, 0.95, 0.167,	NO, 0
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	41, 0.95, 0.167, NO, 0,	42, 0.95, 0.167,	NO, 0
194, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	43, 0.95, 0.167, NO, 0,	44, 0.95, 0.167,	NO, 0
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	45, 0.95, 0.167, NO, 0,	46, 0.95, 0.167,	NO, 0
194, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	47, 0.95, 0.167, NO, 0,	48, 0.95, 0.167,	NO, 0
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	49, 0.95, 0.167, NO, 0,	50, 0.95, 0.167,	NO, 0
195, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	51, 0.95, 0.167, NO, 0,	52, 0.95, 0.167,	NO, 0
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO		
195, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	168, 0.55, 0.167, YES, 0,	167, 0.55, 0.167,	NO, 0
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	166, 0.55, 0.167, NO, 0,	165, 0.55, 0.167,	NO, 0
195, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	164, 0.55, 0.167, NO, 0,	163, 0.55, 0.167,	NO, 0
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	162, 0.55, 0.167, NO, 0,	161, 0.55, 0.167,	NO, 0
196, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,	160, 0.55, 0.167, NO, 0,	159, 0.55, 0.167,	NO, 0
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	158, 0.55, 0.167, NO, 0,	157, 0.55, 0.167,	NO, 0
196, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,			
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,			
196, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,			
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,			
197, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,			
, 0, -15.101, 1,	-15.101, 0, 0, 0, 0, , NO, 0, 0, NO,			
197, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,			
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,			
197, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,			
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,			
198, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,			
, 0, -6.638, 1,	-6.638, 0, 0, 0, 0, , NO, 0, 0, NO,			
198, LINE	, UNILoad, GZ, NO , NO, aDir[1], , , ,			
, 0, -10.764, 1,	-10.764, 0, 0, 0, 0, , NO, 0, 0, NO,			
198, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,			


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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, 138 172
P1, -0.01, 118 152
P2, -0.01, 14 49
P3, -0.01, 34 69
*SMLDCASE : Settlement Load Cases
: NAME=NAME, ISMIN, ISMAX, SCALE, DESC : line 1
: GRNAME1, GRNAME2, ... : from line 2
NAME=지점침하, 1, 3, 1,
A1, P1, P2, P3
*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, 방호벽 및 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, 255, 255, 255, 192, 192, 192, 192, 0, 128
ST, 슬래브하중, 210, 210, 210, 192, 192, 0, 255, 87,
128
ST, 방호벽 및 포장하중, 163, 160, 255, 0, 128, 255, 192,
0, 192
ST, 단위모멘트, 85, 0, 192, 0, 128, 128, 0, 128, 192
SM, 지점침하, 78, 0, 255, 192, 0, 192, 128, 192, 0
MV, 활하중(DB), 160, 255, 255, 255, 255, 255, 0, 157,
192
MV, 활하중(DL), 255, 160, 255, 210, 210, 210, 255, 192,
160
MV, 활하중, 0, 128, 57, 255, 0, 192, 160, 192, 255
CB, 합성전, 0, 128, 192, 0, 192, 128, 146, 0, 255
CB, 합성후, 192, 192, 192, 93, 255, 87, 255, 255, 255
CB, 고정하중, 192, 0, 128, 255, 87, 128, 146, 0, 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, 0,0.0000e+000, 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, 0.0000e+000, 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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■ 청도천2교 대구방향(S4~S6) 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, 0, 0, 0
2, 0.45, 0, 0
3, 5.45, 0, 0
4, 8.8875, 0, 0
5, 9.825, 0, 0
6, 10.45, 0, 0
7, 15.45, 0, 0
8, 20.45, 0, 0
9, 25.1375, 0, 0
10, 25.7625, 0, 0
11, 26.075, 0, 0
12, 31.075, 0, 0
13, 33.575, 0, 0
14, 33.8875, 0, 0
15, 34.2, 0, 0
16, 36.075, 0, 0
17, 41.075, 0, 0
18, 46.075, 0, 0
19, 47.95, 0, 0
20, 48.2625, 0, 0
21, 51.075, 0, 0
22, 56.075, 0, 0
23, 57.6375, 0, 0
24, 57.95, 0, 0
25, 58.575, 0, 0
26, 61.075, 0, 0
27, 66.075, 0, 0
28, 71.075, 0, 0
29, 72.325, 0, 0
30, 72.95, 0, 0
31, 74.2, 0, 0
32, 74.825, 0, 0
33, 76.7, 0, 0
34, 81.7, 0, 0
35, 82.0125, 0, 0
36, 82.325, 0, 0
37, 84.2, 0, 0
38, 84.5125, 0, 0
39, 86.7, 0, 0
40, 91.7, 0, 0
41, 96.7, 0, 0
42, 98.575, 0, 0
43, 98.8875, 0, 0
44, 99.2, 0, 0
45, 101.075, 0, 0
46, 101.3875, 0, 0
47, 101.7, 0, 0
48, 106.7, 0, 0
49, 107.0125, 0, 0
50, 107.6375, 0, 0
51, 108.575, 0, 0
52, 111.7, 0, 0
53, 116.7, 0, 0
54, 121.7, 0, 0
55, 126.7, 0, 0
56, 131.7, 0, 0
57, 132.325, 0, 0
58, 133.2625, 0, 0
59, 136.7, 0, 0
60, 141.2, 0, 0
61, 141.65, 0, 0
62, 0, 3.8, 0
63, 0.45, 3.8, 0
64, 5.45, 3.8, 0
65, 8.8875, 3.8, 0
66, 9.825, 3.8, 0
67, 10.45, 3.8, 0
68, 15.45, 3.8, 0
69, 20.45, 3.8, 0
70, 25.1375, 3.8, 0
71, 25.7625, 3.8, 0
72, 26.075, 3.8, 0
73, 31.075, 3.8, 0
74, 33.575, 3.8, 0
75, 33.8875, 3.8, 0
76, 34.2, 3.8, 0
77, 36.075, 3.8, 0
78, 41.075, 3.8, 0
79, 46.075, 3.8, 0
80, 47.95, 3.8, 0
81, 48.2625, 3.8, 0

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82, 51.075, 3.8, 0
83, 56.075, 3.8, 0
84, 57.6375, 3.8, 0
85, 57.95, 3.8, 0
86, 58.575, 3.8, 0
87, 61.075, 3.8, 0
88, 66.075, 3.8, 0
89, 71.075, 3.8, 0
90, 72.325, 3.8, 0
91, 72.95, 3.8, 0
92, 74.2, 3.8, 0
93, 74.825, 3.8, 0
94, 76.7, 3.8, 0
95, 81.7, 3.8, 0
96, 82.0125, 3.8, 0
97, 82.325, 3.8, 0
98, 84.2, 3.8, 0
99, 84.5125, 3.8, 0
100, 86.7, 3.8, 0
101, 91.7, 3.8, 0
102, 96.7, 3.8, 0
103, 98.575, 3.8, 0
104, 98.8875, 3.8, 0
105, 99.2, 3.8, 0
106, 101.075, 3.8, 0
107, 101.3875, 3.8, 0
108, 101.7, 3.8, 0
109, 106.7, 3.8, 0
110, 107.0125, 3.8, 0
111, 107.6375, 3.8, 0
112, 108.575, 3.8, 0
113, 111.7, 3.8, 0
114, 116.7, 3.8, 0
115, 121.7, 3.8, 0
116, 126.7, 3.8, 0
117, 131.7, 3.8, 0
118, 132.325, 3.8, 0
119, 133.2625, 3.8, 0
120, 136.7, 3.8, 0
121, 141.2, 3.8, 0
122, 141.65, 3.8, 0
123, 48.575, 0, 0
124, 48.575, 3.8, 0
125, 84.825, 0, 0
126, 84.825, 3.8, 0
127, 0, 7.6, 0
128, 0.45, 7.6, 0
129, 5.45, 7.6, 0
130, 8.8875, 7.6, 0
131, 9.825, 7.6, 0
132, 10.45, 7.6, 0
133, 15.45, 7.6, 0
134, 20.45, 7.6, 0
135, 25.1375, 7.6, 0
136, 25.7625, 7.6, 0
137, 26.075, 7.6, 0
138, 31.075, 7.6, 0
139, 33.575, 7.6, 0
140, 33.8875, 7.6, 0
141, 34.2, 7.6, 0
142, 36.075, 7.6, 0
143, 41.075, 7.6, 0
144, 46.075, 7.6, 0
145, 47.95, 7.6, 0
146, 48.2625, 7.6, 0
147, 48.575, 7.6, 0
148, 51.075, 7.6, 0
149, 56.075, 7.6, 0
150, 57.6375, 7.6, 0
151, 57.95, 7.6, 0
152, 58.575, 7.6, 0
153, 61.075, 7.6, 0
154, 66.075, 7.6, 0
155, 71.075, 7.6, 0
156, 72.325, 7.6, 0
157, 72.95, 7.6, 0
158, 74.2, 7.6, 0
159, 74.825, 7.6, 0
160, 76.7, 7.6, 0
161, 81.7, 7.6, 0
162, 82.0125, 7.6, 0
163, 82.325, 7.6, 0
164, 84.2, 7.6, 0
165, 84.5125, 7.6, 0
166, 84.825, 7.6, 0
167, 86.7, 7.6, 0
168, 91.7, 7.6, 0
169, 96.7, 7.6, 0
170, 98.575, 7.6, 0
171, 98.8875, 7.6, 0
172, 99.2, 7.6, 0
173, 101.075, 7.6, 0
174, 101.3875, 7.6, 0
175, 101.7, 7.6, 0
176, 106.7, 7.6, 0
177, 107.0125, 7.6, 0
178, 107.6375, 7.6, 0
179, 108.575, 7.6, 0
180, 111.7, 7.6, 0
181, 116.7, 7.6, 0

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182, 121.7, 7.6, 0
183, 126.7, 7.6, 0
184, 131.7, 7.6, 0
185, 132.325, 7.6, 0
186, 133.2625, 7.6, 0
187, 136.7, 7.6, 0
188, 141.2, 7.6, 0
189, 141.65, 7.6, 0
190, 15, 0, 0
191, 15, 7.6, 0
192, 15, 3.8, 0
193, 122.9, 0, 0
194, 122.9, 7.6, 0
195, 122.9, 3.8, 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, 1, 1, 2, 0, 0
2, BEAM , 1, 1, 2, 3, 0, 0
3, BEAM , 1, 1, 3, 4, 0, 0
4, BEAM , 1, 2, 4, 5, 0, 0
5, BEAM , 1, 3, 5, 6, 0, 0
6, BEAM , 1, 3, 6, 190, 0, 0
7, BEAM , 1, 3, 7, 8, 0, 0
8, BEAM , 1, 3, 8, 9, 0, 0
9, BEAM , 1, 4, 9, 10, 0, 0
10, BEAM , 1, 5, 10, 11, 0, 0
11, BEAM , 1, 6, 11, 12, 0, 0
12, BEAM , 1, 6, 12, 13, 0, 0
13, BEAM , 1, 7, 13, 14, 0, 0
14, BEAM , 1, 8, 14, 15, 0, 0
15, BEAM , 1, 9, 15, 16, 0, 0
16, BEAM , 1, 9, 16, 17, 0, 0
17, BEAM , 1, 9, 17, 18, 0, 0
18, BEAM , 1, 9, 18, 19, 0, 0
19, BEAM , 1, 8, 19, 20, 0, 0
20, BEAM , 1, 7, 20, 123, 0, 0
21, BEAM , 1, 6, 123, 21, 0, 0
22, BEAM , 1, 6, 21, 22, 0, 0
23, BEAM , 1, 6, 22, 23, 0, 0
24, BEAM , 1, 10, 23, 24, 0, 0
25, BEAM , 1, 11, 24, 25, 0, 0
26, BEAM , 1, 12, 25, 26, 0, 0
27, BEAM , 1, 12, 26, 27, 0, 0
28, BEAM , 1, 12, 27, 28, 0, 0
29, BEAM , 1, 12, 28, 29, 0, 0
30, BEAM , 1, 11, 29, 30, 0, 0
31, BEAM , 1, 13, 30, 31, 0, 0
32, BEAM , 1, 14, 31, 32, 0, 0
33, BEAM , 1, 15, 32, 33, 0, 0
34, BEAM , 1, 15, 33, 34, 0, 0
35, BEAM , 1, 15, 34, 35, 0, 0
36, BEAM , 1, 16, 35, 36, 0, 0
37, BEAM , 1, 17, 36, 37, 0, 0
38, BEAM , 1, 18, 37, 38, 0, 0
39, BEAM , 1, 19, 38, 125, 0, 0
40, BEAM , 1, 20, 125, 39, 0, 0
41, BEAM , 1, 20, 39, 40, 0, 0
42, BEAM , 1, 20, 40, 41, 0, 0
43, BEAM , 1, 20, 41, 42, 0, 0
44, BEAM , 1, 19, 42, 43, 0, 0
45, BEAM , 1, 18, 43, 44, 0, 0
46, BEAM , 1, 17, 44, 45, 0, 0
47, BEAM , 1, 16, 45, 46, 0, 0
48, BEAM , 1, 15, 46, 47, 0, 0
49, BEAM , 1, 15, 47, 48, 0, 0
50, BEAM , 1, 21, 48, 49, 0, 0
51, BEAM , 1, 22, 49, 50, 0, 0
52, BEAM , 1, 23, 50, 51, 0, 0
53, BEAM , 1, 3, 51, 52, 0, 0
54, BEAM , 1, 3, 52, 53, 0, 0
55, BEAM , 1, 3, 53, 54, 0, 0
56, BEAM , 1, 3, 54, 193, 0, 0
57, BEAM , 1, 3, 55, 56, 0, 0
58, BEAM , 1, 3, 56, 57, 0, 0
59, BEAM , 1, 2, 57, 58, 0, 0
60, BEAM , 1, 1, 58, 59, 0, 0
61, BEAM , 1, 1, 59, 60, 0, 0
62, BEAM , 1, 1, 60, 61, 0, 0
63, BEAM , 1, 1, 127, 128, 0, 0
64, BEAM , 1, 1, 128, 129, 0, 0
65, BEAM , 1, 1, 129, 130, 0, 0
66, BEAM , 1, 2, 130, 131, 0, 0
67, BEAM , 1, 3, 131, 132, 0, 0
68, BEAM , 1, 3, 132, 191, 0, 0
69, BEAM , 1, 3, 133, 134, 0, 0
70, BEAM , 1, 3, 134, 135, 0, 0
71, BEAM , 1, 4, 135, 136, 0, 0
72, BEAM , 1, 5, 136, 137, 0, 0
73, BEAM , 1, 6, 137, 138, 0, 0
74, BEAM , 1, 6, 138, 139, 0, 0
75, BEAM , 1, 7, 139, 140, 0, 0

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76, BEAM , 1, 8, 140, 141, 0, 0	176, BEAM , 2, 25, 111, 112, 0, 0	[DATA2] : 1st line - DB/USER
77, BEAM , 1, 9, 141, 142, 0, 0	177, BEAM , 2, 25, 112, 113, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,
78, BEAM , 1, 9, 142, 143, 0, 0	178, BEAM , 2, 25, 113, 114, 0, 0	..., D8, iCEL : 1st line - VALUE
79, BEAM , 1, 9, 143, 144, 0, 0	179, BEAM , 2, 25, 114, 115, 0, 0	: AREA, ASy, ASz, lxx, lyy, lzz
80, BEAM , 1, 9, 144, 145, 0, 0	180, BEAM , 2, 25, 115, 116, 0, 0	: 2nd line
81, BEAM , 1, 8, 145, 146, 0, 0	181, BEAM , 2, 25, 116, 117, 0, 0	: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,
82, BEAM , 1, 7, 146, 147, 0, 0	182, BEAM , 2, 25, 117, 118, 0, 0	PERI_IN, Cy, Cz : 3rd line
83, BEAM , 1, 6, 147, 148, 0, 0	183, BEAM , 2, 25, 118, 119, 0, 0	: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz
84, BEAM , 1, 6, 148, 149, 0, 0	184, BEAM , 2, 25, 119, 120, 0, 0	: 4th line
85, BEAM , 1, 6, 149, 150, 0, 0	185, BEAM , 2, 25, 120, 121, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,
86, BEAM , 1, 10, 150, 151, 0, 0	186, BEAM , 2, 25, 121, 122, 0, 0	DEN, POIS, POIC, SF, THERMAL : 1st line - SRC
87, BEAM , 1, 11, 151, 152, 0, 0	187, BEAM , 2, 24, 2, 63, 0, 0	: D1, D2, [SRC]
88, BEAM , 1, 12, 152, 153, 0, 0	188, BEAM , 2, 24, 63, 128, 0, 0	: 2nd line
89, BEAM , 1, 12, 153, 154, 0, 0	189, BEAM , 2, 24, 3, 64, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,
90, BEAM , 1, 12, 154, 155, 0, 0	190, BEAM , 2, 24, 64, 129, 0, 0	NAME1, NAME2, D1, D2 : 1st line - COMBINED
91, BEAM , 1, 12, 155, 156, 0, 0	191, BEAM , 2, 24, 6, 67, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,
92, BEAM , 1, 11, 156, 157, 0, 0	192, BEAM , 2, 24, 67, 132, 0, 0	D12, D13, D14, D15, D21, D22, D23, D24
93, BEAM , 1, 13, 157, 158, 0, 0	193, BEAM , 2, 24, 7, 68, 0, 0	: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,
94, BEAM , 1, 14, 158, 159, 0, 0	194, BEAM , 2, 24, 68, 133, 0, 0	izVAR, STYPE : 1st line - TAPERED
95, BEAM , 1, 15, 159, 160, 0, 0	195, BEAM , 2, 24, 8, 69, 0, 0	: DB, NAME1, NAME2
96, BEAM , 1, 15, 160, 161, 0, 0	196, BEAM , 2, 24, 69, 134, 0, 0	: 2nd line(STYPE=DB)
97, BEAM , 1, 15, 161, 162, 0, 0	197, BEAM , 2, 24, 11, 72, 0, 0	: [DIM1], [DIM2]
98, BEAM , 1, 16, 162, 163, 0, 0	198, BEAM , 2, 24, 72, 137, 0, 0	: 2nd line(STYPE=USER)
99, BEAM , 1, 17, 163, 164, 0, 0	199, BEAM , 2, 24, 12, 73, 0, 0	: D11, D12, D13, D14, D15, D16, D17, D18
100, BEAM , 1, 18, 164, 165, 0, 0	200, BEAM , 2, 24, 73, 138, 0, 0	: 2nd line(STYPE=VALUE)
101, BEAM , 1, 19, 165, 166, 0, 0	201, BEAM , 2, 24, 16, 77, 0, 0	: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1
102, BEAM , 1, 20, 166, 167, 0, 0	202, BEAM , 2, 24, 77, 142, 0, 0	: 3rd line(STYPE=VALUE)
103, BEAM , 1, 20, 167, 168, 0, 0	203, BEAM , 2, 24, 17, 78, 0, 0	: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
104, BEAM , 1, 20, 168, 169, 0, 0	204, BEAM , 2, 24, 78, 143, 0, 0	PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
105, BEAM , 1, 20, 169, 170, 0, 0	205, BEAM , 2, 24, 18, 79, 0, 0	line(STYPE=VALUE)
106, BEAM , 1, 19, 170, 171, 0, 0	206, BEAM , 2, 24, 79, 144, 0, 0	: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,
107, BEAM , 1, 18, 171, 172, 0, 0	207, BEAM , 2, 24, 21, 82, 0, 0	Zyy2 : 5th line(STYPE=VALUE)
108, BEAM , 1, 17, 172, 173, 0, 0	208, BEAM , 2, 24, 82, 148, 0, 0	: D21, D22, D23, D24, D25, D26, D27, D28
109, BEAM , 1, 16, 173, 174, 0, 0	209, BEAM , 2, 24, 22, 83, 0, 0	: 6th line(STYPE=VALUE)
110, BEAM , 1, 15, 174, 175, 0, 0	210, BEAM , 2, 24, 83, 149, 0, 0	: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
111, BEAM , 1, 15, 175, 176, 0, 0	211, BEAM , 2, 24, 26, 87, 0, 0	: 7th line(STYPE=VALUE)
112, BEAM , 1, 21, 176, 177, 0, 0	212, BEAM , 2, 24, 87, 153, 0, 0	: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
113, BEAM , 1, 22, 177, 178, 0, 0	213, BEAM , 2, 24, 27, 88, 0, 0	PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
114, BEAM , 1, 23, 178, 179, 0, 0	214, BEAM , 2, 24, 88, 154, 0, 0	line(STYPE=VALUE)
115, BEAM , 1, 3, 179, 180, 0, 0	215, BEAM , 2, 24, 28, 89, 0, 0	: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,
116, BEAM , 1, 3, 180, 181, 0, 0	216, BEAM , 2, 24, 89, 155, 0, 0	Zzz2 : 9th line(STYPE=VALUE)
117, BEAM , 1, 3, 181, 182, 0, 0	217, BEAM , 2, 24, 33, 94, 0, 0	: OPT1, OPT2, [JOINT]
118, BEAM , 1, 3, 182, 194, 0, 0	218, BEAM , 2, 24, 94, 160, 0, 0	: 2nd line(STYPE=PSC)
119, BEAM , 1, 3, 183, 184, 0, 0	219, BEAM , 2, 24, 34, 95, 0, 0	: ELAST, DEN, POIS, POIC, THERMAL
120, BEAM , 1, 3, 184, 185, 0, 0	220, BEAM , 2, 24, 95, 161, 0, 0	: 2nd line(STYPE=PSC-CMPW)
121, BEAM , 1, 2, 185, 186, 0, 0	221, BEAM , 2, 24, 39, 100, 0, 0	: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
122, BEAM , 1, 1, 186, 187, 0, 0	222, BEAM , 2, 24, 100, 167, 0, 0	[WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
123, BEAM , 1, 1, 187, 188, 0, 0	223, BEAM , 2, 24, 40, 101, 0, 0	line(STYPE=PSC)
124, BEAM , 1, 1, 188, 189, 0, 0	224, BEAM , 2, 24, 101, 168, 0, 0	: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],
125, BEAM , 2, 25, 62, 63, 0, 0	225, BEAM , 2, 24, 41, 102, 0, 0	[CMPWEB-J] : 3rd
126, BEAM , 2, 25, 63, 64, 0, 0	226, BEAM , 2, 24, 102, 169, 0, 0	line(STYPE=PSC-CMPW)
127, BEAM , 2, 25, 64, 65, 0, 0	227, BEAM , 2, 24, 47, 108, 0, 0	: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
128, BEAM , 2, 25, 65, 66, 0, 0	228, BEAM , 2, 24, 108, 175, 0, 0	[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)
129, BEAM , 2, 25, 66, 67, 0, 0	229, BEAM , 2, 24, 48, 109, 0, 0	: [SIZE-A]-i
130, BEAM , 2, 25, 67, 192, 0, 0	230, BEAM , 2, 24, 109, 176, 0, 0	: 5th line(STYPE=PSC)
131, BEAM , 2, 25, 68, 69, 0, 0	231, BEAM , 2, 24, 52, 113, 0, 0	: [SIZE-B]-i
132, BEAM , 2, 25, 69, 70, 0, 0	232, BEAM , 2, 24, 113, 180, 0, 0	: 6th line(STYPE=PSC)
133, BEAM , 2, 25, 70, 71, 0, 0	233, BEAM , 2, 24, 53, 114, 0, 0	: [SIZE-C]-i
134, BEAM , 2, 25, 71, 72, 0, 0	234, BEAM , 2, 24, 114, 181, 0, 0	: 7th line(STYPE=PSC)
135, BEAM , 2, 25, 72, 73, 0, 0	235, BEAM , 2, 24, 54, 115, 0, 0	: [SIZE-D]-i
136, BEAM , 2, 25, 73, 74, 0, 0	236, BEAM , 2, 24, 115, 182, 0, 0	: 8th line(STYPE=PSC)
137, BEAM , 2, 25, 74, 75, 0, 0	237, BEAM , 2, 24, 55, 116, 0, 0	: [SIZE-A]-j
138, BEAM , 2, 25, 75, 76, 0, 0	238, BEAM , 2, 24, 116, 183, 0, 0	: 9th line(STYPE=PSC)
139, BEAM , 2, 25, 76, 77, 0, 0	239, BEAM , 2, 24, 56, 117, 0, 0	: [SIZE-B]-j
140, BEAM , 2, 25, 77, 78, 0, 0	240, BEAM , 2, 24, 117, 184, 0, 0	: 10th line(STYPE=PSC)
141, BEAM , 2, 25, 78, 79, 0, 0	241, BEAM , 2, 24, 59, 120, 0, 0	: [SIZE-C]-j
142, BEAM , 2, 25, 79, 80, 0, 0	242, BEAM , 2, 24, 120, 187, 0, 0	: 11th line(STYPE=PSC)
143, BEAM , 2, 25, 80, 81, 0, 0	243, BEAM , 2, 24, 60, 121, 0, 0	: [SIZE-D]-j
144, BEAM , 2, 25, 81, 124, 0, 0	244, BEAM , 2, 24, 121, 188, 0, 0	: 12th line(STYPE=PSC)
145, BEAM , 2, 25, 124, 82, 0, 0	245, BEAM , 1, 3, 190, 7, 0, 0	: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
146, BEAM , 2, 25, 82, 83, 0, 0	246, BEAM , 1, 3, 191, 133, 0, 0	bMULTI, EsEc-L, EsEc-S : 2nd
147, BEAM , 2, 25, 83, 84, 0, 0	247, BEAM , 2, 25, 192, 68, 0, 0	line(STYPE=CMP-B/I)
148, BEAM , 2, 25, 84, 85, 0, 0	248, BEAM , 1, 3, 193, 55, 0, 0	: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,
149, BEAM , 2, 25, 85, 86, 0, 0	249, BEAM , 1, 3, 194, 183, 0, 0	tf2_j : 3rd line(STYPE=CMP-B/I)
150, BEAM , 2, 25, 86, 87, 0, 0	250, BEAM , 2, 25, 195, 116, 0, 0	: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,
151, BEAM , 2, 25, 87, 88, 0, 0		tf2_j : 4th line(STYPE=CMP-B/I)
152, BEAM , 2, 25, 88, 89, 0, 0		: N1, N2, Hr, Hr2, tr1, tr2
153, BEAM , 2, 25, 89, 90, 0, 0		: 5th line(STYPE=CMP-B)
154, BEAM , 2, 25, 90, 91, 0, 0		: GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd,
155, BEAM , 2, 25, 91, 92, 0, 0		Psb, bSYM, SW_j, SW_j : 2nd
156, BEAM , 2, 25, 92, 93, 0, 0		line(STYPE=CMP-CI/CT)
157, BEAM , 2, 25, 93, 94, 0, 0		: OPT1, OPT2, [JOINT]
158, BEAM , 2, 25, 94, 95, 0, 0		: 3rd line(STYPE=CMP-CI/CT)
159, BEAM , 2, 25, 95, 96, 0, 0		: [SIZE-A]-i
160, BEAM , 2, 25, 96, 97, 0, 0		: 4th line(STYPE=CMP-CI/CT)
161, BEAM , 2, 25, 97, 98, 0, 0		: [SIZE-B]-i
162, BEAM , 2, 25, 98, 99, 0, 0		: 5th line(STYPE=CMP-CI/CT)
163, BEAM , 2, 25, 99, 126, 0, 0		: [SIZE-C]-i
164, BEAM , 2, 25, 126, 100, 0, 0		: 6th line(STYPE=CMP-CI/CT)
165, BEAM , 2, 25, 100, 101, 0, 0		: [SIZE-D]-i
166, BEAM , 2, 25, 101, 102, 0, 0		: 7th line(STYPE=CMP-CI/CT)
167, BEAM , 2, 25, 102, 103, 0, 0		: [SIZE-A]-j
168, BEAM , 2, 25, 103, 104, 0, 0		: 8th line(STYPE=CMP-CI/CT)
169, BEAM , 2, 25, 104, 105, 0, 0		: [SIZE-B]-j
170, BEAM , 2, 25, 105, 106, 0, 0		: 9th line(STYPE=CMP-CI/CT)
171, BEAM , 2, 25, 106, 107, 0, 0		: [SIZE-C]-j
172, BEAM , 2, 25, 107, 108, 0, 0		: 10th line(STYPE=CMP-CI/CT)
173, BEAM , 2, 25, 108, 109, 0, 0		: [SIZE-D]-j
174, BEAM , 2, 25, 109, 110, 0, 0		: 11th line(STYPE=CMP-CI/CT)
175, BEAM , 2, 25, 110, 111, 0, 0		: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],

1, 0, 0, 0, 5, 3 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO 3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO 12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 20, COMPOSITE , 20 , CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.014, 2.6, 0.1, 0.028, 2.6, 0.1, 0.03 1, 0, 0, 0, 5, 3 1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0 0 0 5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO 3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO 12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 21, COMPOSITE , 21 , CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 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, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO 5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO 12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 22, COMPOSITE , 22 , CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 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, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO 5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO 12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 23, COMPOSITE , 23 , CC, 0, 0, 0, 0, 0, 0, YES, B 2.4, 0.014, 2.6, 0.1, 0.014, 2.6, 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, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO 5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO 12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3, 0.18, 1.2, NO, , 24, 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 25, DBUSER , stringer , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.8, 0.3, 0.01, 0.012, 0.3, 0.012, 0, 0, 0, 0 *SECT-COLOR : iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT 1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 4, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 5, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 6, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 7, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 8, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 9, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 10, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 11, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 12, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 13, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 14, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 15, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 16, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 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 32, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 33, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 34, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 35, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 36, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 37, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 38, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 39, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 40, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 41, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 42, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 43, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 44, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 45, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 46, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 47, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 48, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 49, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 50, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 51, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 52, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5 53, 255, 0, 0, 0, 255,
--

: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.433, 0, NO, 0.433, 0, NO
: [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)	0.18, 1.2, NO, ,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)	8, COMPOSITE , 8	16, COMPOSITE , 16
: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)	0, 0, YES, B	0, 0, YES, B
: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.026	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.024
: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)	1, 0, 0, 0, 5, 3	1, 0, 0, 0, 5, 5
: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3	0	0
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [CMPWEB] : EFD, LRF, A, B, H, T	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
1, COMPOSITE , 1	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0, 0, YES, B	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.433, 0, NO, 0.433, 0, NO
2.4, 0.012, 2.6, 0.1, 0.01, 2.6, 0.1, 0.012	0.18, 1.2, NO, ,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
1, 0, 0, 0, 3, 5	9, COMPOSITE , 9	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0, 0, YES, B	17, COMPOSITE , 17
0	2.4, 0.012, 2.6, 0.1, 0.026, 2.6, 0.1, 0.026	0, 0, YES, B
0	1, 0, 0, 0, 5, 3	2.4, 0.014, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, 0, 0, 0, 5, 5
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0.433, 0, NO, 0.433, 0, NO	0	0
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.18, 1.2, NO, ,	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
2, COMPOSITE , 2	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0, 0, YES, B	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.433, 0, NO, 0.433, 0, NO
2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.012	0.18, 1.2, NO, ,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
1, 0, 0, 0, 3, 5	10, COMPOSITE , 10	0.18, 1.2, NO, ,
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0, 0, YES, B	18, COMPOSITE , 18
0	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.012	0, 0, YES, B
0	1, 0, 0, 0, 5, 5	2.4, 0.014, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, 0, 0, 0, 5, 3
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0.433, 0, NO, 0.433, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.433, 0, NO, 0.433, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.18, 1.2, NO, ,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
3, COMPOSITE , 3	0.433, 0, NO, 0.433, 0, NO	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
0, 0, YES, B	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.016	0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
1, 0, 0, 0, 3, 5	11, COMPOSITE , 11	19, COMPOSITE , 19
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012	0, 0, YES, B
0	1, 0, 0, 0, 5, 5	2.4, 0.014, 2.6, 0.1, 0.024, 2.6, 0.1, 0.03
0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, 0, 0, 0, 5, 3
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0
0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
0.18, 1.2, NO, ,	0.433, 0, NO, 0.433, 0, NO	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
4, COMPOSITE , 4	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
0, 0, YES, B	0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.016	12, COMPOSITE , 12	20, COMPOSITE , 20
1, 0, 0, 0, 3, 5	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012	0, 0, YES, B
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, 0, 0, 0, 3, 5	2.4, 0.014, 2.6, 0.1, 0.028, 2.6, 0.1, 0.03
0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, 0, 0, 0, 5, 3
0	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
0.18, 1.2, NO, ,	0.18, 1.2, NO, ,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
5, COMPOSITE , 5	13, COMPOSITE , 13	0.18, 1.2, NO, ,
0, 0, YES, B	2.4, 0.014, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012	21, COMPOSITE , 21
2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.018	1, 0, 0, 0, 5, 5	0, 0, YES, B
1, 0, 0, 0, 3, 5	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.02
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0	1, 0, 0, 0, 3, 5
0	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	0.433, 0, NO, 0.433, 0, NO	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,	0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
6, COMPOSITE , 6	14, COMPOSITE , 14	22, COMPOSITE , 22
0, 0, YES, B	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.012	0, 0, YES, B
2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.018	1, 0, 0, 0, 5, 5	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.016
1, 0, 0, 0, 3, 5	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0	0	0
0	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	0.433, 0, NO, 0.433, 0, NO	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,	0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
7, COMPOSITE , 7	15, COMPOSITE , 15	23, COMPOSITE , 23
0, 0, YES, B	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.02	0, 0, YES, B
2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.018	1, 0, 0, 0, 5, 5	2.4, 0.014, 2.6, 0.1, 0.014, 2.6, 0.1, 0.016
1, 0, 0, 0, 3, 5	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0	0	0
0	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	0.433, 0, NO, 0.433, 0, NO	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,	0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO

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12.6, 2, 3.8,      6.3, 0.25, 0.05,      7.94851, 0, 0.0,
0.18, 1.2, NO, ,
24, 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
25, DBUSER      , stringer      , CC, 0, 0, 0, 0, 0,
0, YES, H      , 2, 0.8, 0.3, 0.01, 0.012, 0.3, 0.012, 0, 0, 0,
0
*STLDCASE      : Static Load Cases
: LCNAME, LCTYPE, DESC
자중, D,
슬래브 하중, D,
"포장, 방호벽 하중", D,
단위모멘트, USER,
*CONSTRAINT    : Supports
: NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
40 168, 111000,
2 17 60 128 143 188, 011000,
*OFFSET        : Beam End Offsets
: ELEM_LIST, TYPE, RGDxi, RGDyi, RGDzi, RGDxj,
RGDyj, RGDzj, GROUP : TYPE=GLOBAL
: ELEM_LIST, TYPE, RGDi, RGDj, GROUP
: TYPE=ELEMENT
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,
195, ELEMENT, 0, 1.2,
196, ELEMENT, 1.2, 0,
197, ELEMENT, 0, 1.2,
198, ELEMENT, 1.2, 0,
199, ELEMENT, 0, 1.2,
200, ELEMENT, 1.2, 0,
201, ELEMENT, 0, 1.2,
202, ELEMENT, 1.2, 0,
203, ELEMENT, 0, 1.2,
204, ELEMENT, 1.2, 0,
205, ELEMENT, 0, 1.2,
206, ELEMENT, 1.2, 0,
207, ELEMENT, 0, 1.2,
208, ELEMENT, 1.2, 0,
209, ELEMENT, 0, 1.2,
210, ELEMENT, 1.2, 0,
211, ELEMENT, 0, 1.2,
212, ELEMENT, 1.2, 0,
213, ELEMENT, 0, 1.2,
214, ELEMENT, 1.2, 0,
215, ELEMENT, 0, 1.2,
216, ELEMENT, 1.2, 0,
217, ELEMENT, 0, 1.2,
218, ELEMENT, 1.2, 0,
219, ELEMENT, 0, 1.2,
220, ELEMENT, 1.2, 0,
221, ELEMENT, 0, 1.2,
222, ELEMENT, 1.2, 0,
223, ELEMENT, 0, 1.2,
224, ELEMENT, 1.2, 0,
225, ELEMENT, 0, 1.2,
226, ELEMENT, 1.2, 0,
227, ELEMENT, 0, 1.2,
228, ELEMENT, 1.2, 0,
229, ELEMENT, 0, 1.2,
230, ELEMENT, 1.2, 0,
231, ELEMENT, 0, 1.2,
232, ELEMENT, 1.2, 0,
233, ELEMENT, 0, 1.2,
234, ELEMENT, 1.2, 0,
235, ELEMENT, 0, 1.2,
236, ELEMENT, 1.2, 0,
237, ELEMENT, 0, 1.2,
238, ELEMENT, 1.2, 0,
239, ELEMENT, 0, 1.2,
240, ELEMENT, 1.2, 0,
241, ELEMENT, 0, 1.2,
242, ELEMENT, 1.2, 0,
243, ELEMENT, 0, 1.2,
244, 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, 슬래브 하중
*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      , UNIMOMENT, GZ, NO , NO, aDir[1], . ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
1, LINE      , UNILOAD, GZ, NO , NO, aDir[1], . , . ,

```

[illegible][illegible]

[illegible][illegible][illegible]

0.166667, NO, 0	59, -1.65, 0.166667, NO, 0,	60, -1.65,	:	[VEHICLE2]
150, -1.1, 0.166667, NO, 0,	0.166667, NO, 0		:	: user(Type 5): line 3
0.166667, NO, 0	61, -1.65, 0.166667, NO, 0,	62, -1.65,	:	[VEHICLE3]
152, -1.1, 0.166667, NO, 0,	0.166667, NO, 0		:	: user(Type 5): line 4
0.166667, NO, 0	*VEHICLE : Vehicles		:	[AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4
154, -1.1, 0.166667, NO, 0,	: if Moving Load Code is China		:	: adjustment factor
0.166667, NO, 0	: NAME=NAME, 1, TYPE=NAME, CODE		:	[LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4
156, -1.1, 0.166667, NO, 0,	: standard		:	: tandem/udl loads
0.166667, NO, 0	: NAME=NAME, 2, LTYPE, [TRUCK/LANE] or		:	[LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2,
158, -1.1, 0.166667, NO, 0,	[TRAIN/SUBWAY] or [CROWD] : user: line 1		:	... : load case
0.166667, NO, 0	: LOAD1, DIST1, LOAD2, DIST2, ...		:	[VEHICLE] : bUSE, N, P1, L1, P2, L2, ...
160, -1.1, 0.166667, NO, 0,	: user: from line 2		:	: vehicle
0.166667, NO, 0	: [TRUCK/LANE] : 1, P, Qm, Qq		:	: if Moving Load Code is RUSSIA
162, -1.1, 0.166667, NO, 0,	: truck(JTG)		:	: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
0.166667, NO, 0	: [TRUCK/LANE] : 2, P, Qm, Qq		:	bFATI, nLOADFAC, dLOADFAC : standard (SK)
164, -1.1, 0.166667, NO, 0,	: lane load1		:	: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
0.166667, NO, 0	: [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2		:	bFATI, nLOADFAC, dLOADFAC : standard (SK
166, -1.1, 0.166667, NO, 0,	: lane load2		:	FATIGUE)
0.166667, NO, 0	: [TRUCK/LANE] : 4, dW, dD		:	: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
168, -1.1, 0.166667, NO, 0,	: crawler type		:	dDYNAFAC_UDL
0.166667, NO, 0	: [TRUCK/LANE] : 5		:	: bFATI, nLOADFAC, dLOADFAC,
170, -1.1, 0.166667, NO, 0,	: GC type load		:	dLOADFAC_UDL, s1, s1_UDL : standard (AK)
0.166667, NO, 0	: [TRAIN/SUBWAY] : ITYPE, W1, D1, W2, D2		:	: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
172, -1.1, 0.166667, NO, 0,	: train-type1,3		:	nLOADFAC, dLOADFAC,
0.166667, NO, 0	: [TRAIN/SUBWAY] : ITYPE, DD, FD, BD, MAINCOUNT		:	: bTWOVEHI, TWOVEHI_FACT,
174, -1.1, 0.166667, NO, 0,	: train-type2		:	b2NDREDUC, 2NDREDUC_FACT : standard (N14)
0.166667, NO, 0	: [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD,		:	: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
176, -1.1, 0.166667, NO, 0,	Po, n, IFR : subway		:	nLOADFAC, dLOADFAC,
0.166667, NO, 0	: [CROWD] : 1, dW1		:	: bTWOVEHI, TWOVEHI_FACT,
178, -1.1, 0.166667, NO, 0,	: crowd-type1		:	b2NDREDUC, 2NDREDUC_FACT : standard (N11)
0.166667, NO, 0	: [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH		:	: NAME=NAME, 1, ITYPE, nDYNAFAC, dDYNAFAC,
180, -1.1, 0.166667, NO, 0,	: crowd-type2		:	dEMPTYCAR
0.166667, NO, 0	: if Moving Load Type is India		:	: bFATI, nLOADFAC, dLOADFAC,
181, -1.1, 0.166667, NO, 0,	: NAME=NAME, 1, TYPE=NAME, CODE		:	: standard (SUBWAY TRAINS)
0.166667, NO, 0	: standard		:	: NAME=NAME, 1, ITYPE, VARIABLE, nDYNAFAC,
183, -1.1, 0.166667, NO, 0,	: NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST		:	dDYNAFAC, dEMPTYCAR
0.166667, NO, 0	: user: line 1		:	: bFATI, nLOADFAC, dLOADFAC,
185, -1.1, 0.166667, NO, 0,	: NAME=NAME, 2, bWTB, dD1, dD2, NDIST		:	: standard (TRAMCARS)
0.166667, NO, 0	: user: line 1		:	: NAME=NAME, 1, ITYPE, nDYNAFAC, dDYNAFAC, bFATI,
NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO	: LOAD1, DIST1, LOAD2, DIST2, ...		:	nLOADFAC, dLOADFAC : standard (NK-80)
1, -1.65, 0.1875, YES, 0,	: user: from line 2		:	: NAME=NAME, 1, ITYPE, W, D, nDYNAFAC, dDYNAFAC,
0.1875, NO, 0	: if Moving Load Code is CANADA		:	bFATI, nLOADFAC, dLOADFAC : standard (NG-60)
3, -1.65, 0.1875, NO, 0,	: NAME=NAME, 1, TYPE=NAME, DLA, CODE, [DYNA]		:	: NAME=NAME, 1, ITYPE, BRIDGETYPE, W, bFATI,
0.1875, NO, 0	: standard		:	nLOADFAC, dLOADFAC : standard (UNIFORM
5, -1.65, 0.1875, NO, 0,	: NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2),		:	LOAD)
0.1875, NO, 0	PLV(D2), NDIST, [DYNA] : user: line 1		:	: NAME=NAME, 1, ITYPE, BRIDGETYPE, W, bFATI,
245, -1.65, 0.1875, NO, 0,	: LOAD1, DIST1, LOAD2, DIST2, ...		:	nLOADFAC, dLOADFAC : standard (UNIFORM
0.1875, NO, 0	: user: from line 2		:	LOAD(W/O OTHER LOADS))
8, -1.65, 0.1875, NO, 0,	: [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE		:	: NAME=NAME, 1, ITYPE, BRIDGETYPE, P
0.1875, NO, 0	: Dynamic Load Allowance		:	: standard (CONCENTRATED LOAD
10, -1.65, 0.1875, NO, 0,	: if Moving Load Code is BS		:	(W/O OTHER LOADS))
0.1875, NO, 0	: NAME=NAME, 1, TYPE=NAME, CODE, UNITNUM		:	: NAME=NAME, 2, ITYPE, W, nDYNAFAC, dDYNAFAC,
12, -1.65, 0.1875, NO, 0,	: standard		:	dDYNAFAC_UDL
0.1875, NO, 0	: NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4		:	: bFATI, nLOADFAC, dLOADFAC,
14, -1.65, 0.1875, NO, 0,	: HA, HA & HB, HA & HB(Auto)		:	dLOADFAC_UDL, s1, s1_UDL : user (Type 1)
0.1875, NO, 0	: NAME=NAME, 2, ISTYPE, W1, W2, W3, L, Pa, Pb, D1,		:	: NAME=NAME, 2, ITYPE, nDYNAFAC, dDYNAFAC,
16, -1.65, 0.1875, NO, 0,	D2, d, UNITNUM : user(BS 5400)		:	dEMPTYCAR
0.166667, NO, 0	: NAME=NAME, 2, ISTYPE, [BD37/01-HA],		:	: bFATI, nLOADFAC, dLOADFAC,
18, -1.65, 0.166667, NO, 0,	[BS-DATA-LF] : user(HA)		:	: user (Type 2)
0.166667, NO, 0	: NAME=NAME, 2, ISTYPE, [BS-DATA-HB]		:	: NAME=NAME, 2, ITYPE, Variable, nDYNAFAC,
20, -1.65, 0.166667, NO, 0,	: user(HB)		:	dDYNAFAC, dEMPTYCAR
0.166667, NO, 0	: NAME=NAME, 2, ISTYPE, [BD37/01-HA2],		:	: bFATI, nLOADFAC, dLOADFAC,
22, -1.65, 0.166667, NO, 0,	[BS-DATA-HB2], [BS-DATA-LF] : user(HA&HB)		:	: user (Type 3)
0.166667, NO, 0	: NAME=NAME, 2, ISTYPE, [BD37/01-HA],		:	: NAME=NAME, 2, ITYPE, nDYNAFAC, dDYNAFAC,
24, -1.65, 0.166667, NO, 0,	[BD37/01-HB], [BS-DATA-LF] : user(HA&HB(AUTO))		:	nLOADFAC, dLOADFAC
0.166667, NO, 0	: NAME=NAME, 2, ISTYPE, W, L		:	
26, -1.65, 0.166667, NO, 0,	: user(Pedestrian)		:	
0.166667, NO, 0	: NAME=NAME, 2, ISTYPE, V, AN, MINS, MAXS, P1, D1,		:	: bTWOVEHI, TWOVEHI_FACT,
28, -1.65, 0.166667, NO, 0,	P2, D2, ... : user(Special Vehicle)		:	b2NDREDUC, 2NDREDUC_FACT : user (Type 4)
0.166667, NO, 0	: [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa		:	: NAME=NAME, 2, ITYPE, nDYNAFAC, dDYNAFAC,
0.166667, NO, 0	: [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2		:	nLOADFAC, dLOADFAC
32, -1.65, 0.166667, NO, 0,	: [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM		:	
0.166667, NO, 0	: [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM		:	
34, -1.65, 0.166667, NO, 0,	: [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4		:	
0.166667, NO, 0	: if Moving Load Code is EUROCODE		:	: bTWOVEHI, TWOVEHI_FACT,
36, -1.65, 0.166667, NO, 0,	: NAME=NAME, 1, ITYPE, TYPE=NAME, PSY1, PSY2, PHI,		:	b2NDREDUC, 2NDREDUC_FACT : user (Type 5)
0.166667, NO, 0	[AF7] : standard (LM1, FLMI)		:	: NAME=NAME, 2, ITYPE, W, D, nDYNAFAC, dDYNAFAC,
38, -1.65, 0.166667, NO, 0,	: NAME=NAME, 1, ITYPE, TYPE=NAME, bDF, bU, PHI,		:	bFATI, nLOADFAC, dLOADFAC : user (Type 6)
0.166667, NO, 0	PSY, ADJ, IN : standard (others)		:	: NAME=NAME, 2, ITYPE, P, W, bFATI, nLOADFAC,
40, -1.65, 0.166667, NO, 0,	: NAME=NAME, 2, 1, [AF7]		:	dLOADFAC : user (Type 7)
0.166667, NO, 0	: user(Type 1)		:	: if Moving Load Code is KSCE-LSD15
42, -1.65, 0.166667, NO, 0,	: [LOAD7], D, PHI, TPSY, UPSY		:	: NAME=NAME, 1, TYPE=NAME, nLANETYPE, dDYNAFAC,
0.166667, NO, 0	: user(Type 1): line 2		:	CODE : standard
44, -1.65, 0.166667, NO, 0,	: NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1,		:	: NAME=NAME, 2, 8, L1, W1, W2, EXP
0.166667, NO, 0	: user(Type 2)		:	: user: line 1 (Type 1)
46, -1.65, 0.166667, NO, 0,	: NAME=NAME, 2, 3		:	: NAME=NAME, 2, 1, W1, W2, D1, D2
0.166667, NO, 0	: user(Type 3)		:	: user: line 1 (Type 2)
48, -1.65, 0.166667, NO, 0,	: [LOADCASE1]		:	: NAME=NAME, 2, 6, LOADNUM, DIST, W, L
0.166667, NO, 0	: user(Type 3): line 2		:	: user: line 1 (Type 3)
50, -1.65, 0.166667, NO, 0,	: [LOADCASE2]		:	: LOAD1, DIST1, LOAD2, DIST2, ...
0.166667, NO, 0	: user(Type 3): line 3		:	: user: from line 2
52, -1.65, 0.166667, NO, 0,	: [LOADCASE3]		:	: if Moving Load Code is AASHTO LRFD, CANADA and
0.166667, NO, 0	: user(Type 3): line 4		:	Load Type is Permit Truck
54, -1.65, 0.166667, NO, 0,	: NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI,		:	: NAME=NAME, 3, AXLE-TYPE=NUM, IMP-FACTOR
0.166667, NO, 0	F, P1, D1, P2, D2, ... : user(Type 4)		:	: user(Permit Truck)
56, -1.65, 0.166667, NO, 0,	: NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2		:	: AXLE-TYPE=NAME1, bEDWL1, bSV1, P1, D1, P2,
0.166667, NO, 0	: user(Type 5)		:	D2, ..., Pn, Dn : user(from line 2)
57, -1.65, 0.166667, NO, 0,	: [VEHICLE1]		:	...
0.166667, NO, 0	: user(Type 5): line 2		:	

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: AXLE=TYPE-NAMEn, bEDWLn, bSVn, P1, D1, P2,
D2, ..., Pn, Dn
: AXLE=TYPE1, SPACING1, bVS1, AXLE=TYPE2,
SPACING2, bVS2 ... : line 2+AXLE=TYPE-NUM
: If Moving Load Code is not one of those specified
above.
: NAME=NAME, 1, TYPE=NAME, DLA, CODE
: : standard
: NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2),
PLV(D2), NDIST : user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ...
: : user: from line 2
NAME=DB-24, 1, DB-24, 0, KS-RB
NAME=DL-24, 1, DL-24, 0, KS-RB
*MVLDCase : Moving Load Cases
: NAME=NAME, 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, ... : 3rd line
: ...
: : ...
: TYPEn, VCLASSn, SCALEn, iMINn, iMAXn, LANE1,
LANEn2, ... : n+1th line
: NAME=NAME, bLCPV, VEHICLE, REFLANE, ECCEN,
SCALE, DESC
: Permit
NAME=활하중, NO, 1, 1, 0.9, 0.75, 0.75, 0.75,
INDEPENDENT, , 0, 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
NAME=활하중(DB), NO, 1, 1, 0.9, 0.75, 0.75, 0.75,
INDEPENDENT, , 0, 2
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, 3
1, 1, 1, 1, 0.5, 0.25
VL, DL-24, 1, 1, 3, L1, L2, L3
*SM-GROUP : Settlement Group
: GRNAME, DISPLACEMENT, NODE_LIST
P3, -0.01, 2 128
P4, -0.01, 17 143
P5, -0.01, 40 168
A2, -0.01, 60 188
*SMLDCASE : Settlement Load Cases
: NAME=NAME, iSMIN, iSMAX, SCALE, DESC : line 1
: GRNAME1, GRNAME2, ... : from line 2
NAME=지점침하, 1, 3, 1,
P3, P4, P5, 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, 슬래브 하중, 1
NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
ST, "포장, 방호벽 하중", 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, 192, 128, 0, 146, 0, 255, 255, 255, 87
ST, 슬래브 하중, 160, 192, 255, 0, 128, 128, 78, 0, 255
ST, "포장, 방호벽 하중", 0, 128, 192, 192, 0, 128, 128,
192, 0
ST, 단위모멘트, 255, 0, 128, 128, 192, 0, 0, 128, 192
MV, 활하중, 192, 128, 0, 255, 255, 255, 128, 192, 0
CB, 합성전, 192, 0, 192, 0, 128, 192, 163, 160, 255
CB, 합성후, 0, 157, 192, 160, 255, 255, 93, 255, 87
SM, 지점침하, 255, 0, 192, 192, 128, 0, 192, 192, 0
MV, 활하중(DB), 0, 192, 128, 163, 255, 160, 85, 0, 192
MV, 활하중(DL), 255, 87, 128, 255, 87, 128, 0, 128, 128
CB, 고정하중, 0, 192, 128, 192, 0, 192, 160, 255, 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

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: [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5,
AL6, AL7, AL8, AL9, AL10
: MIN1, MIN2, MIN3
: [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
1, STEEL, SM490 , 1, KS10-Civil(S),
,SM490 , 1, KS01-Civil(RC),
, , , , 0, 0,NO,0.0000e+000, 0,, 0, 0,0, 0,
0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+000, 0,, 0, 0,0, 0,
0,0, 0, 0,0, 0, 0,0, 0, 0,0.0000e+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,
*SECTION MANAGER-GROUP & PART : Section
Manager - Group & Part
: SECT = NO, bSAMEJ
: : line 1
: GRPDISIZE, GRPDJSIZE, PARTISIZE, PARTJSIZE
: : line 2
: ..... :
: LOOP UTIL (GRPDISIZE, GRPDJSIZE)
:
: GROUPID, GROUPNAME, GROUPTYPE
: : line n
: ..... :
: LOOP UTIL (PARTISIZE, PARTJSIZE)
:
: PARTTYPE, GROUPID, PARTNAME, PARTSHAPE,
bSTIFFENER : line n
: LINESIZE, LINEINDEX[i].....
: : line n
: ..... :
SECT=1, YES
0, 0, 0, 0
SECT=2, YES
0, 0, 0, 0
SECT=3, YES
0, 0, 0, 0
SECT=4, YES
0, 0, 0, 0
SECT=5, YES
0, 0, 0, 0
SECT=6, YES
0, 0, 0, 0
SECT=7, YES
0, 0, 0, 0
SECT=8, YES
0, 0, 0, 0
SECT=9, YES
0, 0, 0, 0
SECT=10, YES
0, 0, 0, 0
SECT=11, YES
0, 0, 0, 0
SECT=12, YES
0, 0, 0, 0
SECT=13, YES
0, 0, 0, 0
SECT=14, YES
0, 0, 0, 0
SECT=15, YES
0, 0, 0, 0
SECT=16, YES
0, 0, 0, 0
SECT=17, YES
0, 0, 0, 0
SECT=18, YES
0, 0, 0, 0
SECT=19, YES
0, 0, 0, 0
SECT=20, YES
0, 0, 0, 0
SECT=21, YES
0, 0, 0, 0
SECT=22, YES
0, 0, 0, 0
SECT=23, YES
0, 0, 0, 0
*SECTION MANAGER-STIFFENER : Section Manager -
Stiffener
: SECT = NO, bSAMEJ
: : line 1
: STFNISIZE, STFNJSIZE
: : line 2
: ..... :
: LOOP UTIL (STFNISIZE, STFNJSIZE)
:
: TYPE, Z, STANDREF, POSLINE, STANDREFL,
NUM, CTC : line n
: STIFFTYPE, dSIZE(0 ~ 20)
: : line n
: LINESIZE, LINEINDEX[i].....
: : line n

```

```

: ..... :
SECT=1, YES
0, 0
SECT=2, YES
0, 0
SECT=3, YES
0, 0
SECT=4, YES
0, 0
SECT=5, YES
0, 0
SECT=6, YES
0, 0
SECT=7, YES
0, 0
SECT=8, YES
0, 0
SECT=9, YES
0, 0
SECT=10, YES
0, 0
SECT=11, YES
0, 0
SECT=12, YES
0, 0
SECT=13, YES
0, 0
SECT=14, YES
0, 0
SECT=15, YES
0, 0
SECT=16, YES
0, 0
SECT=17, YES
0, 0
SECT=18, YES
0, 0
SECT=19, YES
0, 0
SECT=20, YES
0, 0
SECT=21, YES
0, 0
SECT=22, YES
0, 0
SECT=23, YES
0, 0
*ENDDATA

```

■ 청도천2교 부산방향(S1~S3) 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, 0, 0, 0
2, 5, 0, 0
3, 7.5, 0, 0
4, 7.8125, 0, 0
5, 8.4375, 0, 0
6, 10, 0, 0
7, 15, 0, 0
8, 15.834, 0, 0
9, 16.042, 0, 0
10, 17.5, 0, 0
11, 17.917, 0, 0
12, 18.125, 0, 0
13, 20, 0, 0
14, 25, 0, 0
15, 30, 0, 0
16, 31.875, 0, 0
17, 32.083, 0, 0
18, 32.5, 0, 0
19, 34.375, 0, 0
20, 34.792, 0, 0
21, 35, 0, 0
22, 40, 0, 0
23, 40.3125, 0, 0
24, 40.9375, 0, 0
25, 45, 0, 0
26, 50, 0, 0
27, 55, 0, 0
28, 56.25, 0, 0
29, 60, 0, 0
30, 65, 0, 0
31, 65.625, 0, 0
32, 66.6125, 0, 0
33, 70.05, 0, 0
34, 74.55, 0, 0
35, 75, 0, 0
36, 0, 7.6, 0
37, 5, 7.6, 0
38, 7.5, 7.6, 0
39, 7.8125, 7.6, 0
40, 8.4375, 7.6, 0
41, 10, 7.6, 0
42, 15, 7.6, 0
43, 15.834, 7.6, 0
44, 16.042, 7.6, 0
45, 17.5, 7.6, 0
46, 17.917, 7.6, 0
47, 18.125, 7.6, 0
48, 20, 7.6, 0
49, 25, 7.6, 0
50, 30, 7.6, 0
51, 31.875, 7.6, 0
52, 32.083, 7.6, 0
53, 32.5, 7.6, 0
54, 34.375, 7.6, 0
55, 34.792, 7.6, 0
56, 35, 7.6, 0
57, 40, 7.6, 0
58, 40.3125, 7.6, 0
59, 40.9375, 7.6, 0
60, 45, 7.6, 0
61, 50, 7.6, 0
62, 55, 7.6, 0
63, 56.25, 7.6, 0
64, 60, 7.6, 0
65, 65, 7.6, 0
66, 65.625, 7.6, 0
67, 66.6125, 7.6, 0
68, 70.05, 7.6, 0
69, 74.55, 7.6, 0
70, 75, 7.6, 0
71, 0, 3.8, 0
72, 5, 3.8, 0
73, 7.5, 3.8, 0
74, 7.8125, 3.8, 0
75, 8.4375, 3.8, 0
76, 10, 3.8, 0
77, 15, 3.8, 0
78, 15.834, 3.8, 0

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79, 16.042, 3.8, 0
80, 17.5, 3.8, 0
81, 17.917, 3.8, 0
82, 18.125, 3.8, 0
83, 20, 3.8, 0
84, 25, 3.8, 0
85, 30, 3.8, 0
86, 31.875, 3.8, 0
87, 32.083, 3.8, 0
88, 32.5, 3.8, 0
89, 34.375, 3.8, 0
90, 34.792, 3.8, 0
91, 35, 3.8, 0
92, 40, 3.8, 0
93, 40.3125, 3.8, 0
94, 40.9375, 3.8, 0
95, 45, 3.8, 0
96, 50, 3.8, 0
97, 55, 3.8, 0
98, 56.25, 3.8, 0
99, 60, 3.8, 0
100, 65, 3.8, 0
101, 65.625, 3.8, 0
102, 66.6125, 3.8, 0
103, 70.05, 3.8, 0
104, 74.55, 3.8, 0
105, 75, 3.8, 0
106, -5, 0, 0
107, -7.5, 0, 0
108, -7.8125, 0, 0
109, -8.4375, 0, 0
110, -10, 0, 0
111, -15, 0, 0
112, -15.834, 0, 0
113, -16.042, 0, 0
114, -17.5, 0, 0
115, -17.917, 0, 0
116, -18.125, 0, 0
117, -20, 0, 0
118, -25, 0, 0
119, -30, 0, 0
120, -31.875, 0, 0
121, -32.083, 0, 0
122, -32.5, 0, 0
123, -34.375, 0, 0
124, -34.792, 0, 0
125, -35, 0, 0
126, -40, 0, 0
127, -40.3125, 0, 0
128, -40.9375, 0, 0
129, -45, 0, 0
130, -50, 0, 0
131, -55, 0, 0
132, -56.25, 0, 0
133, -60, 0, 0
134, -65, 0, 0
135, -65.625, 0, 0
136, -66.6125, 0, 0
137, -70.05, 0, 0
138, -74.55, 0, 0
139, -75, 0, 0
140, -5, 7.6, 0
141, -7.5, 7.6, 0
142, -7.8125, 7.6, 0
143, -8.4375, 7.6, 0
144, -10, 7.6, 0
145, -15, 7.6, 0
146, -15.834, 7.6, 0
147, -16.042, 7.6, 0
148, -17.5, 7.6, 0
149, -17.917, 7.6, 0
150, -18.125, 7.6, 0
151, -20, 7.6, 0
152, -25, 7.6, 0
153, -30, 7.6, 0
154, -31.875, 7.6, 0
155, -32.083, 7.6, 0
156, -32.5, 7.6, 0
157, -34.375, 7.6, 0
158, -34.792, 7.6, 0
159, -35, 7.6, 0
160, -40, 7.6, 0
161, -40.3125, 7.6, 0
162, -40.9375, 7.6, 0
163, -45, 7.6, 0
164, -50, 7.6, 0
165, -55, 7.6, 0
166, -56.25, 7.6, 0
167, -60, 7.6, 0
168, -65, 7.6, 0
169, -65.625, 7.6, 0
170, -66.6125, 7.6, 0
171, -70.05, 7.6, 0
172, -74.55, 7.6, 0
173, -75, 7.6, 0
174, -74.55, 3.8, 0
175, -70.05, 3.8, 0

```

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176, -65, 3.8, 0
177, -60, 3.8, 0
178, -55, 3.8, 0
179, -50, 3.8, 0
180, -45, 3.8, 0
181, -40, 3.8, 0
182, -35, 3.8, 0
183, -30, 3.8, 0
184, -25, 3.8, 0
185, -20, 3.8, 0
186, -15, 3.8, 0
187, -10, 3.8, 0
188, -5, 3.8, 0
189, -7.5, 3.8, 0
190, -7.8125, 3.8, 0
191, -8.4375, 3.8, 0
192, -15.834, 3.8, 0
193, -16.042, 3.8, 0
194, -17.5, 3.8, 0
195, -17.917, 3.8, 0
196, -18.125, 3.8, 0
197, -31.875, 3.8, 0
198, -32.083, 3.8, 0
199, -32.5, 3.8, 0
200, -34.375, 3.8, 0
201, -34.792, 3.8, 0
202, -40.3125, 3.8, 0
203, -40.9375, 3.8, 0
204, -56.25, 3.8, 0
205, -65.625, 3.8, 0
206, -66.6125, 3.8, 0
207, -75, 3.8, 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, 1, 2, 0, 0
2, BEAM , 1, 14, 2, 3, 0, 0
3, BEAM , 1, 13, 3, 4, 0, 0
4, BEAM , 1, 12, 4, 5, 0, 0
5, BEAM , 1, 6, 5, 6, 0, 0
6, BEAM , 1, 6, 6, 7, 0, 0
7, BEAM , 1, 6, 7, 8, 0, 0
8, BEAM , 1, 7, 8, 9, 0, 0
9, BEAM , 1, 8, 9, 10, 0, 0
10, BEAM , 1, 9, 10, 11, 0, 0
11, BEAM , 1, 10, 11, 12, 0, 0
12, BEAM , 1, 11, 12, 13, 0, 0
13, BEAM , 1, 11, 13, 14, 0, 0
14, BEAM , 1, 11, 14, 15, 0, 0
15, BEAM , 1, 11, 15, 16, 0, 0
16, BEAM , 1, 10, 16, 17, 0, 0
17, BEAM , 1, 9, 17, 18, 0, 0
18, BEAM , 1, 8, 18, 19, 0, 0
19, BEAM , 1, 7, 19, 20, 0, 0
20, BEAM , 1, 6, 20, 21, 0, 0
21, BEAM , 1, 6, 21, 22, 0, 0
22, BEAM , 1, 5, 22, 23, 0, 0
23, BEAM , 1, 4, 23, 24, 0, 0
24, BEAM , 1, 3, 24, 25, 0, 0
25, BEAM , 1, 3, 25, 26, 0, 0
26, BEAM , 1, 3, 26, 27, 0, 0
27, BEAM , 1, 3, 27, 28, 0, 0
28, BEAM , 1, 3, 28, 29, 0, 0
29, BEAM , 1, 3, 29, 30, 0, 0
30, BEAM , 1, 3, 30, 31, 0, 0
31, BEAM , 1, 2, 31, 32, 0, 0
32, BEAM , 1, 1, 32, 33, 0, 0
33, BEAM , 1, 1, 33, 34, 0, 0
34, BEAM , 1, 1, 34, 35, 0, 0
35, BEAM , 1, 14, 36, 37, 0, 0
36, BEAM , 1, 14, 37, 38, 0, 0
37, BEAM , 1, 13, 38, 39, 0, 0
38, BEAM , 1, 12, 39, 40, 0, 0
39, BEAM , 1, 6, 40, 41, 0, 0
40, BEAM , 1, 6, 41, 42, 0, 0
41, BEAM , 1, 6, 42, 43, 0, 0
42, BEAM , 1, 7, 43, 44, 0, 0
43, BEAM , 1, 8, 44, 45, 0, 0
44, BEAM , 1, 9, 45, 46, 0, 0
45, BEAM , 1, 10, 46, 47, 0, 0
46, BEAM , 1, 11, 47, 48, 0, 0
47, BEAM , 1, 11, 48, 49, 0, 0
48, BEAM , 1, 11, 49, 50, 0, 0
49, BEAM , 1, 11, 50, 51, 0, 0
50, BEAM , 1, 10, 51, 52, 0, 0
51, BEAM , 1, 9, 52, 53, 0, 0
52, BEAM , 1, 8, 53, 54, 0, 0
53, BEAM , 1, 7, 54, 55, 0, 0
54, BEAM , 1, 6, 55, 56, 0, 0

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55, BEAM , 1, 6, 56, 57, 0, 0	152, BEAM , 1, 8, 122, 123, 0, 0	249, BEAM , 2, 16, 183, 197, 0, 0
56, BEAM , 1, 5, 57, 58, 0, 0	153, BEAM , 1, 7, 123, 124, 0, 0	250, BEAM , 2, 16, 197, 198, 0, 0
57, BEAM , 1, 4, 58, 59, 0, 0	154, BEAM , 1, 6, 124, 125, 0, 0	251, BEAM , 2, 16, 198, 199, 0, 0
58, BEAM , 1, 3, 59, 60, 0, 0	155, BEAM , 1, 6, 125, 126, 0, 0	252, BEAM , 2, 16, 199, 200, 0, 0
59, BEAM , 1, 3, 60, 61, 0, 0	156, BEAM , 1, 5, 126, 127, 0, 0	253, BEAM , 2, 16, 200, 201, 0, 0
60, BEAM , 1, 3, 61, 62, 0, 0	157, BEAM , 1, 4, 127, 128, 0, 0	254, BEAM , 2, 16, 201, 182, 0, 0
61, BEAM , 1, 3, 62, 63, 0, 0	158, BEAM , 1, 3, 128, 129, 0, 0	255, BEAM , 2, 16, 182, 181, 0, 0
62, BEAM , 1, 3, 63, 64, 0, 0	159, BEAM , 1, 3, 129, 130, 0, 0	256, BEAM , 2, 16, 181, 202, 0, 0
63, BEAM , 1, 3, 64, 65, 0, 0	160, BEAM , 1, 3, 130, 131, 0, 0	257, BEAM , 2, 16, 202, 203, 0, 0
64, BEAM , 1, 3, 65, 66, 0, 0	161, BEAM , 1, 3, 131, 132, 0, 0	258, BEAM , 2, 16, 203, 180, 0, 0
65, BEAM , 1, 2, 66, 67, 0, 0	162, BEAM , 1, 3, 132, 133, 0, 0	259, BEAM , 2, 16, 180, 179, 0, 0
66, BEAM , 1, 1, 67, 68, 0, 0	163, BEAM , 1, 3, 133, 134, 0, 0	260, BEAM , 2, 16, 179, 178, 0, 0
67, BEAM , 1, 1, 68, 69, 0, 0	164, BEAM , 1, 3, 134, 135, 0, 0	261, BEAM , 2, 16, 178, 204, 0, 0
68, BEAM , 1, 1, 69, 70, 0, 0	165, BEAM , 1, 2, 135, 136, 0, 0	262, BEAM , 2, 16, 204, 177, 0, 0
69, BEAM , 2, 15, 34, 104, 0, 0	166, BEAM , 1, 1, 136, 137, 0, 0	263, BEAM , 2, 16, 177, 176, 0, 0
70, BEAM , 2, 15, 104, 69, 0, 0	167, BEAM , 1, 1, 137, 138, 0, 0	264, BEAM , 2, 16, 176, 205, 0, 0
71, BEAM , 2, 15, 33, 103, 0, 0	168, BEAM , 1, 1, 138, 139, 0, 0	265, BEAM , 2, 16, 205, 206, 0, 0
72, BEAM , 2, 15, 103, 68, 0, 0	169, BEAM , 1, 14, 36, 140, 0, 0	266, BEAM , 2, 16, 206, 175, 0, 0
73, BEAM , 2, 15, 30, 100, 0, 0	170, BEAM , 1, 14, 140, 141, 0, 0	267, BEAM , 2, 16, 175, 174, 0, 0
74, BEAM , 2, 15, 100, 65, 0, 0	171, BEAM , 1, 13, 141, 142, 0, 0	268, BEAM , 2, 16, 174, 207, 0, 0
75, BEAM , 2, 15, 29, 99, 0, 0	172, BEAM , 1, 12, 142, 143, 0, 0	
76, BEAM , 2, 15, 99, 64, 0, 0	173, BEAM , 1, 6, 143, 144, 0, 0	*MATERIAL : Material
77, BEAM , 2, 15, 27, 97, 0, 0	174, BEAM , 1, 6, 144, 145, 0, 0	: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
78, BEAM , 2, 15, 97, 62, 0, 0	175, BEAM , 1, 6, 145, 146, 0, 0	bMASS, DAMPRATIO, [DATA1] : STEEL, CONC,
79, BEAM , 2, 15, 26, 96, 0, 0	176, BEAM , 1, 7, 146, 147, 0, 0	USER
80, BEAM , 2, 15, 96, 61, 0, 0	177, BEAM , 1, 8, 147, 148, 0, 0	: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
81, BEAM , 2, 15, 25, 95, 0, 0	178, BEAM , 1, 9, 148, 149, 0, 0	bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC
82, BEAM , 2, 15, 95, 60, 0, 0	179, BEAM , 1, 10, 149, 150, 0, 0	: [DATA1] : 1, DB, NAME, CODE
83, BEAM , 2, 15, 22, 92, 0, 0	180, BEAM , 1, 11, 150, 151, 0, 0	: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
84, BEAM , 2, 15, 92, 57, 0, 0	181, BEAM , 1, 11, 151, 152, 0, 0	: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz,
85, BEAM , 2, 15, 21, 91, 0, 0	182, BEAM , 1, 11, 152, 153, 0, 0	Pxy, Pxz, Pyz, DEN, MASS : Orthotropic
86, BEAM , 2, 15, 91, 56, 0, 0	183, BEAM , 1, 11, 153, 154, 0, 0	: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,
87, BEAM , 2, 15, 15, 85, 0, 0	184, BEAM , 1, 10, 154, 155, 0, 0	THERMAL, DEN, MASS
88, BEAM , 2, 15, 85, 50, 0, 0	185, BEAM , 1, 9, 155, 156, 0, 0	1, STEEL, SM490 , 0, 0, , C, NO, 0.02,
89, BEAM , 2, 15, 14, 84, 0, 0	186, BEAM , 1, 8, 156, 157, 0, 0	1, KS10-Civil(S), , SM490
90, BEAM , 2, 15, 84, 49, 0, 0	187, BEAM , 1, 7, 157, 158, 0, 0	2, STEEL, SM400 , 0, 0, , C, NO, 0.02,
91, BEAM , 2, 15, 13, 83, 0, 0	188, BEAM , 1, 6, 158, 159, 0, 0	1, KS10-Civil(S), , SM400
92, BEAM , 2, 15, 83, 48, 0, 0	189, BEAM , 1, 6, 159, 160, 0, 0	*MATL-COLOR
93, BEAM , 2, 15, 7, 77, 0, 0	190, BEAM , 1, 5, 160, 161, 0, 0	: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
94, BEAM , 2, 15, 77, 42, 0, 0	191, BEAM , 1, 4, 161, 162, 0, 0	HE_G, HE_B, bBLEND, FACT
95, BEAM , 2, 15, 6, 76, 0, 0	192, BEAM , 1, 3, 162, 163, 0, 0	1, 255, 0, 0, 0, 255, 0, 0, 0, 255,
96, BEAM , 2, 15, 76, 41, 0, 0	193, BEAM , 1, 3, 163, 164, 0, 0	NO, 0.5
97, BEAM , 2, 15, 2, 72, 0, 0	194, BEAM , 1, 3, 164, 165, 0, 0	2, 255, 0, 0, 0, 255, 0, 0, 0, 255,
98, BEAM , 2, 15, 72, 37, 0, 0	195, BEAM , 1, 3, 165, 166, 0, 0	NO, 0.5
99, BEAM , 2, 15, 1, 71, 0, 0	196, BEAM , 1, 3, 166, 167, 0, 0	*SECTION : Section
100, BEAM , 2, 15, 71, 36, 0, 0	197, BEAM , 1, 3, 167, 168, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],
101, BEAM , 2, 16, 71, 72, 0, 0	198, BEAM , 1, 3, 168, 169, 0, 0	[DATA2] : 1st line - DB/USER
102, BEAM , 2, 16, 72, 73, 0, 0	199, BEAM , 1, 2, 169, 170, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,
103, BEAM , 2, 16, 73, 74, 0, 0	200, BEAM , 1, 1, 170, 171, 0, 0	..., D8, ICEL : 1st line - VALUE
104, BEAM , 2, 16, 74, 75, 0, 0	201, BEAM , 1, 1, 171, 172, 0, 0	: AREA, ASy, ASz, lxx, lyy, lzz
105, BEAM , 2, 16, 75, 76, 0, 0	202, BEAM , 1, 1, 172, 173, 0, 0	: 2nd line
106, BEAM , 2, 16, 76, 77, 0, 0	203, BEAM , 2, 15, 138, 174, 0, 0	: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,
107, BEAM , 2, 16, 77, 78, 0, 0	204, BEAM , 2, 15, 174, 172, 0, 0	PERI_IN, Cy, Cz : 3rd line
108, BEAM , 2, 16, 78, 79, 0, 0	205, BEAM , 2, 15, 137, 175, 0, 0	: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz
109, BEAM , 2, 16, 79, 80, 0, 0	206, BEAM , 2, 15, 175, 171, 0, 0	: 4th line
110, BEAM , 2, 16, 80, 81, 0, 0	207, BEAM , 2, 15, 134, 176, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,
111, BEAM , 2, 16, 81, 82, 0, 0	208, BEAM , 2, 15, 176, 168, 0, 0	DEN, POIS, POIC, SF, THERMAL : 1st line - SRC
112, BEAM , 2, 16, 82, 83, 0, 0	209, BEAM , 2, 15, 133, 177, 0, 0	: D1, D2, [SRC]
113, BEAM , 2, 16, 83, 84, 0, 0	210, BEAM , 2, 15, 177, 167, 0, 0	: 2nd line
114, BEAM , 2, 16, 84, 85, 0, 0	211, BEAM , 2, 15, 131, 178, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,
115, BEAM , 2, 16, 85, 86, 0, 0	212, BEAM , 2, 15, 178, 165, 0, 0	NAME1, NAME2, D1, D2 : 1st line - COMBINED
116, BEAM , 2, 16, 86, 87, 0, 0	213, BEAM , 2, 15, 130, 179, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,
117, BEAM , 2, 16, 87, 88, 0, 0	214, BEAM , 2, 15, 179, 164, 0, 0	D12, D13, D14, D15, D21, D22, D23, D24
118, BEAM , 2, 16, 88, 89, 0, 0	215, BEAM , 2, 15, 129, 180, 0, 0	: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,
119, BEAM , 2, 16, 89, 90, 0, 0	216, BEAM , 2, 15, 180, 163, 0, 0	izVAR, STYPE : 1st line - TAPERED
120, BEAM , 2, 16, 90, 91, 0, 0	217, BEAM , 2, 15, 126, 181, 0, 0	: DB, NAME1, NAME2
121, BEAM , 2, 16, 91, 92, 0, 0	218, BEAM , 2, 15, 181, 160, 0, 0	: 2nd line(STYPE=DB)
122, BEAM , 2, 16, 92, 93, 0, 0	219, BEAM , 2, 15, 125, 182, 0, 0	: [DIM1], [DIM2]
123, BEAM , 2, 16, 93, 94, 0, 0	220, BEAM , 2, 15, 182, 159, 0, 0	: 2nd line(STYPE=USER)
124, BEAM , 2, 16, 94, 95, 0, 0	221, BEAM , 2, 15, 119, 183, 0, 0	: D11, D12, D13, D14, D15, D16, D17, D18
125, BEAM , 2, 16, 95, 96, 0, 0	222, BEAM , 2, 15, 183, 153, 0, 0	: 2nd line(STYPE=VALUE)
126, BEAM , 2, 16, 96, 97, 0, 0	223, BEAM , 2, 15, 118, 184, 0, 0	: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1
127, BEAM , 2, 16, 97, 98, 0, 0	224, BEAM , 2, 15, 184, 152, 0, 0	: 3rd line(STYPE=VALUE)
128, BEAM , 2, 16, 98, 99, 0, 0	225, BEAM , 2, 15, 117, 185, 0, 0	: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
129, BEAM , 2, 16, 99, 100, 0, 0	226, BEAM , 2, 15, 185, 151, 0, 0	PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
130, BEAM , 2, 16, 100, 101, 0, 0	227, BEAM , 2, 15, 111, 186, 0, 0	line(STYPE=VALUE)
131, BEAM , 2, 16, 101, 102, 0, 0	228, BEAM , 2, 15, 186, 145, 0, 0	: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,
132, BEAM , 2, 16, 102, 103, 0, 0	229, BEAM , 2, 15, 110, 187, 0, 0	Zyy2 : 5th line(STYPE=VALUE)
133, BEAM , 2, 16, 103, 104, 0, 0	230, BEAM , 2, 15, 187, 144, 0, 0	: D21, D22, D23, D24, D25, D26, D27, D28
134, BEAM , 2, 16, 104, 105, 0, 0	231, BEAM , 2, 15, 106, 188, 0, 0	: 6th line(STYPE=VALUE)
135, BEAM , 1, 14, 1, 106, 0, 0	232, BEAM , 2, 15, 188, 140, 0, 0	: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
136, BEAM , 1, 14, 106, 107, 0, 0	233, BEAM , 2, 15, 1, 71, 0, 0	: 7th line(STYPE=VALUE)
137, BEAM , 1, 13, 107, 108, 0, 0	234, BEAM , 2, 15, 71, 36, 0, 0	: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
138, BEAM , 1, 12, 108, 109, 0, 0	235, BEAM , 2, 16, 71, 188, 0, 0	PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
139, BEAM , 1, 6, 109, 110, 0, 0	236, BEAM , 2, 16, 188, 189, 0, 0	line(STYPE=VALUE)
140, BEAM , 1, 6, 110, 111, 0, 0	237, BEAM , 2, 16, 189, 190, 0, 0	: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,
141, BEAM , 1, 6, 111, 112, 0, 0	238, BEAM , 2, 16, 190, 191, 0, 0	Zzz2 : 9th line(STYPE=VALUE)
142, BEAM , 1, 7, 112, 113, 0, 0	239, BEAM , 2, 16, 191, 187, 0, 0	: OPT1, OPT2, [JOINT]
143, BEAM , 1, 8, 113, 114, 0, 0	240, BEAM , 2, 16, 187, 186, 0, 0	: 2nd line(STYPE=PSC)
144, BEAM , 1, 9, 114, 115, 0, 0	241, BEAM , 2, 16, 186, 192, 0, 0	: ELAST, DEN, POIS, POIC, THERMAL
145, BEAM , 1, 10, 115, 116, 0, 0	242, BEAM , 2, 16, 192, 193, 0, 0	: 2nd line(STYPE=PSC-CMPW)
146, BEAM , 1, 11, 116, 117, 0, 0	243, BEAM , 2, 16, 193, 194, 0, 0	: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
147, BEAM , 1, 11, 117, 118, 0, 0	244, BEAM , 2, 16, 194, 195, 0, 0	[WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
148, BEAM , 1, 11, 118, 119, 0, 0	245, BEAM , 2, 16, 195, 196, 0, 0	line(STYPE=PSC)
149, BEAM , 1, 11, 119, 120, 0, 0	246, BEAM , 2, 16, 196, 185, 0, 0	: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],
150, BEAM , 1, 10, 120, 121, 0, 0	247, BEAM , 2, 16, 185, 184, 0, 0	[CMPWEB-J] : 3rd
151, BEAM , 1, 9, 121, 122, 0, 0	248, BEAM , 2, 16, 184, 183, 0, 0	line(STYPE=PSC-CMPW)
		: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,

[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)	: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10	0.18, 1.2, NO, ,
: [SIZE-A]-i	: [DATA2] : CCSHAPE or ICEL or IN1, IN2	7, COMPOSITE , 7 , CC, 0, 0, 0, 0, 0, 0, YES, B
: 5th line(STYPE=PSC)	: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, IN1, IN2	2.4, 0.012, 2.6, 0.1, 0.02, 2.6, 0.1, 0.024
: 6th line(STYPE=PSC)	: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8	1, 0, 0, 0, 5, 5
: 7th line(STYPE=PSC)	: [OFFSET] : OFFSET, ICENT, IREF, IHORZ, HUSER, IVERT, VUSER	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 8th line(STYPE=PSC)	: [OFFSET2]: OFFSET, ICENT, IREF, IHORZ, HUSERI, HUSERJ, IVERT, VUSERI, VUSERJ	0
: [SIZE-A]-j	: [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSC), 2(PSCB), 0(nCELL), 2(nCEL2)	0
: 9th line(STYPE=PSC)	: [SIZE-B]-j	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO
: 10th line(STYPE=PSC)	: [SIZE-C]-j	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO
: 11th line(STYPE=PSC)	: [SIZE-D]-j	0.433, 0, NO, 0.433, 0, NO
: 12th line(STYPE=PSC)	: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSC), 10(PSCB), 5(nCELL), 11(nCEL2)	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 2nd line(STYPE=CMP-B/I)	: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSC), 6(PSCB), 8(nCELL), 18(nCEL2)	0.18, 1.2, NO, ,
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 3rd line(STYPE=CMP-B/I)	: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSC), 8(PSCB), 0(nCELL), 11(nCEL2)	8, COMPOSITE , 8 , CC, 0, 0, 0, 0, 0, 0, YES, B
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 4th line(STYPE=CMP-B/I)	: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSC), 5(PSCB), 0(nCELL), 18(nCEL2)	2.4, 0.012, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024
: N1, N2, Hr, Hr2, tr1, tr2 : 5th line(STYPE=CMP-B)	: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz	1, 0, 0, 0, 5, 5
: GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb, Pgd, Psb, bSYM, SW_j, SW_j : 2nd line(STYPE=CMP-CI/CT)	: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: OPT1, OPT2, [JOINT] : 3rd line(STYPE=CMP-CI/CT)	: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3	0
: [SIZE-A]-i	: [CMPWEB] : EFD, LRF, A, B, H, T	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO
: 4th line(STYPE=CMP-CI/CT)	1, COMPOSITE , 1 , CC, 0, 0, 0, 0, 0, 0, YES, B	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO
: 5th line(STYPE=CMP-CI/CT)	2.4, 0.012, 2.6, 0.1, 0.01, 2.6, 0.1, 0.012	0.433, 0, NO, 0.433, 0, NO
: 6th line(STYPE=CMP-CI/CT)	1, 0, 0, 0, 3, 5	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: 7th line(STYPE=CMP-CI/CT)	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0.18, 1.2, NO, ,
: 8th line(STYPE=CMP-CI/CT)	0	2, COMPOSITE , 2 , CC, 0, 0, 0, 0, 0, 0, YES, B
: 9th line(STYPE=CMP-CI/CT)	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.012
: 10th line(STYPE=CMP-CI/CT)	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO	1, 0, 0, 0, 3, 5
: 11th line(STYPE=CMP-CI/CT)	0.433, 0, NO, 0.433, 0, NO	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: ISEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2 : 1st line - CONSTRUCT	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0
: SHAPE, ...(same with other type data from shape) : Before (STYPE1)	0.18, 1.2, NO, ,	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
: SHAPE, ...(same with other type data from shape) : After (STYPE2)	2, COMPOSITE , 2 , CC, 0, 0, 0, 0, 0, 0, YES, B	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - COMPOSITE-SB	2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.018	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 : 2nd line	1, 0, 0, 0, 3, 5	0.18, 1.2, NO, ,
: N1, N2, Hr, Hr2, tr1, tr2 : 3rd line	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	3, COMPOSITE , 3 , CC, 0, 0, 0, 0, 0, 0, YES, B
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 4th line	0	2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.018
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - COMPOSITE-SI	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	1, 0, 0, 0, 3, 5
: Hw, tw, B, Bf1, tf1, B2, tf2 : 2nd line	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 3rd line	0.433, 0, NO, 0.433, 0, NO	0
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - COMPOSITE-CI/CT	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0
: OPT1, OPT2, [JOINT] : 2nd line	0.18, 1.2, NO, ,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO
: [SIZE-A]	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
: 3rd line	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO
: [SIZE-B]	0.18, 1.2, NO, ,	0.433, 0, NO, 0.433, 0, NO
: 4th line	5, COMPOSITE , 5 , CC, 0, 0, 0, 0, 0, 0, YES, B	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: [SIZE-C]	2.4, 0.012, 2.6, 0.1, 0.02, 2.6, 0.1, 0.02	0.18, 1.2, NO, ,
: 5th line	1, 0, 0, 0, 3, 5	13, COMPOSITE , 13 , CC, 0, 0, 0, 0, 0, 0, YES, B
: [SIZE-D]	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
: 6th line	0	1, 0, 0, 0, 5, 5
: SW, GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb, Pgd, Psb : 7th line	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - PSC	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO	0
: OPT1, OPT2, [JOINT] : 2nd line	0.433, 0, NO, 0.433, 0, NO	0
: [SIZE-A]	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO
: 3rd line	0.18, 1.2, NO, ,	0.433, 0, NO, 0.433, 0, NO
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line	6, COMPOSITE , 6 , CC, 0, 0, 0, 0, 0, 0, YES, B	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: bUSERDEFMESHESIZE, MESHESIZE, bUSERINPSTIFF, [STIFF] : 4th line	2.4, 0.012, 2.6, 0.1, 0.02, 2.6, 0.1, 0.02	0.18, 1.2, NO, ,
: [SIZE-A]	1, 0, 0, 0, 5, 5	14, COMPOSITE , 14 , CC, 0, 0, 0, 0, 0, 0, YES, B
: 5th line	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
: [SIZE-B]	0	1, 0, 0, 0, 3, 5
: 6th line	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: [SIZE-C]	0.433, 0, NO, 0.433, 0, NO	0
: 7th line	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO	0
: [SIZE-D]	0.433, 0, NO, 0.433, 0, NO	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
: 8th line	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	

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5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 0.01, 0.012, 0.3, 0.012, 0, 0, 0,
0
*SECT-COLOR
: ISEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
5, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
6, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
7, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
8, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
9, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
10, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
11, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
12, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
13, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
14, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
15, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
16, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
*DGN-SECT
: ISEC, TYPE, SNAME, [OFFSET], bSD, 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
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_j, 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
: 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, COMPOSITE , 1 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.6, 0.1, 0.01, 2.6, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.014, 2.6, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.014, 2.6, 0.1, 0.018
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.02, 2.6, 0.1, 0.018
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.02, 2.6, 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, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.02, 2.6, 0.1, 0.02
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
```

0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.02, 2.6, 0.1, 0.024
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.024, 2.6, 0.1, 0.03
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.028, 2.6, 0.1, 0.03
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
12.6, 2, 3.8, 6.3, 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, 2.6, 0.1, 0.02, 2.6, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0

0
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 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, 0.01, 0.012, 0.3, 0.012, 0, 0, 0,
0
*STLDCASE : Static Load Cases
: LCNAME, LCTYPE, DESC
자중 , D ,
슬래브하중, D ,
방호벽 및 포장하중, D ,
단위모멘트, USER,
*CONSTRAINT : Supports
: NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
14 49, 111000,
34 69 118 138 152 172, 011000,
*OFFSET : Beam End Offsets
: ELEM_LIST, TYPE, RGDXI, RGDI, RGDXJ, RGDI,
RGDXJ, RGDI, GROUP : TYPE=GLOBAL
: ELEM_LIST, TYPE, RGDI, RGDI, GROUP
: TYPE=ELEMENT
69, ELEMENT, 0, 1.2,
70, ELEMENT, 1.2, 0,
71, ELEMENT, 0, 1.2,
72, ELEMENT, 1.2, 0,
73, ELEMENT, 0, 1.2,
74, ELEMENT, 1.2, 0,
75, ELEMENT, 0, 1.2,
76, ELEMENT, 1.2, 0,
77, ELEMENT, 0, 1.2,
78, ELEMENT, 1.2, 0,
79, ELEMENT, 0, 1.2,
80, ELEMENT, 1.2, 0,
81, ELEMENT, 0, 1.2,
82, ELEMENT, 1.2, 0,
83, ELEMENT, 0, 1.2,
84, ELEMENT, 1.2, 0,
85, ELEMENT, 0, 1.2,
86, ELEMENT, 1.2, 0,
87, ELEMENT, 0, 1.2,
88, ELEMENT, 1.2, 0,
89, ELEMENT, 0, 1.2,
90, ELEMENT, 1.2, 0,
91, ELEMENT, 0, 1.2,
92, ELEMENT, 1.2, 0,
93, ELEMENT, 0, 1.2,
94, ELEMENT, 1.2, 0,
95, ELEMENT, 0, 1.2,
96, ELEMENT, 1.2, 0,
97, ELEMENT, 0, 1.2,
98, ELEMENT, 1.2, 0,
99, ELEMENT, 0, 1.2,
100, ELEMENT, 1.2, 0,
203, ELEMENT, 0, 1.2,
204, ELEMENT, 1.2, 0,
205, ELEMENT, 0, 1.2,
206, ELEMENT, 1.2, 0,
207, ELEMENT, 0, 1.2,
208, ELEMENT, 1.2, 0,
209, ELEMENT, 0, 1.2,
210, ELEMENT, 1.2, 0,
211, ELEMENT, 0, 1.2,
212, ELEMENT, 1.2, 0,
213, ELEMENT, 0, 1.2,
214, ELEMENT, 1.2, 0,
215, ELEMENT, 0, 1.2,
216, ELEMENT, 1.2, 0,
217, ELEMENT, 0, 1.2,
218, ELEMENT, 1.2, 0,
219, ELEMENT, 0, 1.2,
220, ELEMENT, 1.2, 0,
221, ELEMENT, 0, 1.2,
222, ELEMENT, 1.2, 0,
223, ELEMENT, 0, 1.2,
224, ELEMENT, 1.2, 0,
225, ELEMENT, 0, 1.2,
226, ELEMENT, 1.2, 0,
227, ELEMENT, 0, 1.2,
228, ELEMENT, 1.2, 0,
229, ELEMENT, 0, 1.2,
230, ELEMENT, 1.2, 0,
231, ELEMENT, 0, 1.2,
232, ELEMENT, 1.2, 0,
233, ELEMENT, 0, 1.2,
234, ELEMENT, 1.2, 0,
*USE-STLD, 자중
: *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 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_I-END,
ADDITIONAL_J-END, bADDITIONAL_J-END
1, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
1, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,

182, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	53, 0.95, 0.167, NO, 0,	54, 0.95, 0.167,
, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,		199, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , ,	NO, 0
183, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	, 0, -6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	55, 0.95, 0.167, NO, 0,	56, 0.95, 0.167,
, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,		199, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	NO, 0
183, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	57, 0.95, 0.167, NO, 0,	58, 0.95, 0.167,
, 0, -6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,		199, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	NO, 0
183, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	, 0, -10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	59, 0.95, 0.167, NO, 0,	60, 0.95, 0.167,
, 0, -10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,		200, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	NO, 0
184, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	61, 0.95, 0.167, NO, 0,	62, 0.95, 0.167,
, 0, -6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,		200, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	NO, 0
184, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , , ,	, 0, -6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	63, 0.95, 0.167, NO, 0,	64, 0.95, 0.167,
, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,		200, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	NO, 0
184, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	, 0, -10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	65, 0.95, 0.167, NO, 0,	66, 0.95, 0.167,
, 0, -10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,		201, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	NO, 0
185, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	, 0, -6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	67, 0.95, 0.167, NO, 0,	68, 0.95, 0.167,
, 0, -6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,		201, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	NO, 0
185, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO	
, 0, -10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,		201, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	268, 0.75, 0.167, YES, 0,
185, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , , ,	, 0, -10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	NO, 0	267, 0.75, 0.167,
, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,		202, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	266, 0.75, 0.167, NO, 0,
186, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , , ,	, 0, -6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,	NO, 0	265, 0.75, 0.167,
, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,		202, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	264, 0.75, 0.167, NO, 0,
186, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	, 0, -10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,	NO, 0	263, 0.75, 0.167,
, 0, -10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,		202, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , ,	262, 0.75, 0.167, NO, 0,
186, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,	NO, 0	261, 0.75, 0.167,
, 0, -6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,		: End of data for load case [방호벽 및 포장하중]	260, 0.75, 0.167, NO, 0,	259, 0.75, 0.167,
187, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	-----	NO, 0	258, 0.75, 0.167, NO, 0,
, 0, -10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,		*USE-STLD, 단위모멘트	NO, 0	257, 0.75, 0.167,
187, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , , ,	*CONLOAD : Nodal Loads	NO, 0	256, 0.75, 0.167, NO, 0,
, 0, -15.101, 1, -15.101, 0, 0, 0, 0, , NO, 0, 0, NO,		: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP	NO, 0	255, 0.75, 0.167,
187, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	34, 0, 0, 0, 0, -1, 0,	NO, 0	254, 0.75, 0.167, NO, 0,
, 0, -6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,		69, 0, 0, 0, 0, -1, 0,	NO, 0	253, 0.75, 0.167,
188, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	138, 0, 0, 0, 0, 1, 0,	NO, 0	252, 0.75, 0.167, NO, 0,
, 0, -6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,		172, 0, 0, 0, 0, 1, 0,	NO, 0	251, 0.75, 0.167,
188, LINE	, UNILOAD, GZ, NO , NO, aDir[1], , , ,	: End of data for load case [단위모멘트]	NO, 0	250, 0.75, 0.167, NO, 0,
, 0, -10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,		-----	NO, 0	249, 0.75, 0.167,
188, LINE	, UNIMOMENT, GZ, NO , NO, aDir[1], , , ,	*MVLDCODE : Moving Load Code	NO, 0	248, 0.75, 0.167, NO, 0,
, 0, -15				

NO, 0	156, 0.55, 0.167, NO, 0,	155, 0.55, 0.167,
NO, 0	154, 0.55, 0.167, NO, 0,	153, 0.55, 0.167,
NO, 0	152, 0.55, 0.167, NO, 0,	151, 0.55, 0.167,
NO, 0	150, 0.55, 0.167, NO, 0,	149, 0.55, 0.167,
NO, 0	148, 0.55, 0.167, NO, 0,	147, 0.55, 0.167,
NO, 0	146, 0.55, 0.167, NO, 0,	145, 0.55, 0.167,
NO, 0	144, 0.55, 0.167, NO, 0,	143, 0.55, 0.167,
NO, 0	142, 0.55, 0.167, NO, 0,	141, 0.55, 0.167,
NO, 0	140, 0.55, 0.167, NO, 0,	139, 0.55, 0.167,
NO, 0	138, 0.55, 0.167, NO, 0,	137, 0.55, 0.167,
NO, 0	136, 0.55, 0.167, NO, 0,	135, 0.55, 0.167,
NO, 0	1, 0.55, 0.167, NO, 0,	2, 0.55, 0.167,
NO, 0	3, 0.55, 0.167, NO, 0,	4, 0.55, 0.167,
NO, 0	5, 0.55, 0.167, NO, 0,	6, 0.55, 0.167,
NO, 0	7, 0.55, 0.167, NO, 0,	8, 0.55, 0.167,
NO, 0	9, 0.55, 0.167, NO, 0,	10, 0.55, 0.167,
NO, 0	11, 0.55, 0.167, NO, 0,	12, 0.55, 0.167,
NO, 0	13, 0.55, 0.167, NO, 0,	14, 0.55, 0.167,
NO, 0	15, 0.55, 0.167, NO, 0,	16, 0.55, 0.167,
NO, 0	17, 0.55, 0.167, NO, 0,	18, 0.55, 0.167,
NO, 0	19, 0.55, 0.167, NO, 0,	20, 0.55, 0.167,
NO, 0	21, 0.55, 0.167, NO, 0,	22, 0.55, 0.167,
NO, 0	23, 0.55, 0.167, NO, 0,	24, 0.55, 0.167,
NO, 0	25, 0.55, 0.167, NO, 0,	26, 0.55, 0.167,
NO, 0	27, 0.55, 0.167, NO, 0,	28, 0.55, 0.167,
NO, 0	29, 0.55, 0.167, NO, 0,	30, 0.55, 0.167,
NO, 0	31, 0.55, 0.167, NO, 0,	32, 0.55, 0.167,
NO, 0	33, 0.55, 0.167, NO, 0,	34, 0.55, 0.167,
NO, 0		
*VEHICLE	; Vehicles	
; if Moving Load Code is China		
:	NAME=NAME, 1, TYPE=NAME,	CODE
; standard		
:	NAME=NAME, 2, LTYPE, [TRUCK/LANE] or	
[TRAIN/SUBWAY]	; user: line 1	
:	LOAD1, DIST1, LOAD2, DIST2, ...	
; user: from line 2		
:	[TRUCK/LANE] : 1, P, Qm, Qq	
; truck(JTG)		
:	[TRUCK/LANE] : 2, P, Qm, Qq	
; lane load1		
:	[TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2	
; lane load2		
:	[TRUCK/LANE] : 4, dW, dD	
; crawler type		
:	[TRUCK/LANE] :	5
; GC type load		
:	[TRAIN/SUBWAY] : ITYPE, W1, D1, W2, D2	
; train-type1,3		
:	[TRAIN/SUBWAY] : ITYPE, DD, FD, BD, MAINCOUNT	
; train-type2		
:	[TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD,	
Po, n, IFR	; subway	
:	[CROWD] :	1, dW1
; crowd-type1		
:	[CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH	
; crowd-type2		
; if Moving Load Type is India		
:	NAME=NAME, 1, TYPE=NAME,	CODE
; standard		
:	NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST	
; user: line 1		
:	NAME=NAME, 2, bWTB, dD1, dD2, NDIST	
; user: line 1		
:	LOAD1, DIST1, LOAD2, DIST2, ...	
; user: from line 2		
; if Moving Load Code is CANADA		
:	NAME=NAME, 1, TYPE=NAME, DLA, CODE, [DYNA]	
; standard		

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NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2),
PLV(D2), NDIST, [DYNA] : user: line 1
: : LOAD1, DIST1, LOAD2, DIST2, ...
: : user: from line 2
: [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE
: : Dynamic Load Allowance
: if Moving Load Code is BS
: NAME=NAME, 1, TYPE=NAME, CODE, UNITNUM
: : standard
: NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4
: : HA, HA & HB, HA & HB(AUTO)
: NAME=NAME, 2, iSTYPE, W1, W2, W3, L, Pa, Pb, D1,
D2, d, UNITNUM : user(BS 5400)
: NAME=NAME, 2, iSTYPE, [BD37/01-HA],
[BS-DATA-LF] : user(HA)
: NAME=NAME, 2, iSTYPE, [BS-DATA-HB1]
: : user(HB)
: NAME=NAME, 2, iSTYPE, [BD37/01-HA2],
[BS-DATA-HB2], [BS-DATA-LF] : user(HA&HB)
: NAME=NAME, 2, iSTYPE, [BD37/01-HA],
[BD37/01-HB], [BS-DATA-LF]
: user(HA&HB(AUTO))
: NAME=NAME, 2, iSTYPE, W, L
: : user(Pedestrian)
: NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1,
P2, D2, ... : user(Special Vehicle)
: [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa
: [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
: [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
: [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
: [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
: if Moving Load Code is EUROCODE
: NAME=NAME, 1, iTYPE, TYPE=NAME, PSY1, PSY2, PHI,
[AF7] : standard (LM1, FLM1)
: NAME=NAME, 1, iTYPE, TYPE=NAME, bDF, bU, PHI,
PSY, ADJ, IN : standard (others)
: NAME=NAME, 2, 1, [AF7]
: : user(Type 1)
: [LOAD7], D, PHI, TPSY, UPSY
: : user(Type 1): line 2
: NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1,
P2, D2, ... : user(Type 2)
: NAME=NAME, 2, 3, [AF7]
: : user(Type 3)
: [LOADCASE1]
: : user(Type 3): line 2
: [LOADCASE2]
: : user(Type 3): line 3
: [LOADCASE3]
: : user(Type 3): line 4
: NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI,
F, P1, D1, P2, D2, ... : user(Type 4)
: NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2
: : user(Type 5)
: [VEHICLE1]
: : user(Type 5): line 2
: [VEHICLE2]
: : user(Type 5): line 3
: [VEHICLE3]
: : user(Type 5): line 4
: [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4
: : adjustment factor
: [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4
: : tandem/udl loads
: [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2,
... : load case
: [VEHICLE] : bUSE, N, P1, L1, P2, L2, ...
: : vehicle
: if Moving Load Code is RUSSIA
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC,
bFATI, nLOADFAC, dLOADFAC : standard (SK)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC,
bFATI, nLOADFAC, dLOADFAC : standard (SK)
FATIGUE)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC,
dDYNAFAC_UDL
: bFATI, nLOADFAC, dLOADFAC,
dLOADFAC_UDL, s1, 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 (NK-80)

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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
; 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
*MVLDCase : 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 :
2nd 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(DB), NO, 1, 1, 0.9, 0.75, 0.75, 0.75,
INDEPENDENT, , 0, 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, 0.5, 0.25
VL, DL-24, 1, 1, 3, L1, L2, L3

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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, 138 172
P1, -0.01, 118 152
P2, -0.01, 14 49
P3, -0.01, 34 69
*SMLDCASE : Settlement Load Cases
: NAME=NAME, ISMIN, ISMAX, SCALE, DESC : line 1
: GRNAME1, GRNAME2, ... : from line 2
NAME=지점침하, 1, 3, 1,
A1, P1, P2, P3
*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, 방호벽 및 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, 255, 255, 255, 192, 192, 192, 192, 0, 128
ST, 슬래브하중, 210, 210, 210, 192, 192, 0, 255, 87,
128
ST, 방호벽 및 포장하중, 163, 160, 255, 0, 128, 255, 192,
0, 192
ST, 단위모멘트, 85, 0, 192, 0, 128, 128, 0, 128, 192
SM, 지점침하, 78, 0, 255, 192, 0, 192, 128, 192, 0
MV, 활하중(DB), 160, 255, 255, 255, 255, 255, 0, 157,
192
MV, 활하중(DL), 255, 160, 255, 210, 210, 210, 255, 192,
160
MV, 활하중, 0, 128, 57, 255, 0, 192, 160, 192, 255
CB, 합성전, 0, 128, 192, 0, 192, 128, 146, 0, 255
CB, 합성후, 192, 192, 192, 93, 255, 87, 255, 255, 255
CB, 고정하중, 192, 0, 128, 255, 87, 128, 146, 0, 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, 0,0.0000e+000, 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, 0.0000e+000, 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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: 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, 0, 0, 0
2, 0.45, 0, 0
3, 5.45, 0, 0
4, 8.8875, 0, 0
5, 9.825, 0, 0
6, 10.45, 0, 0
7, 15.45, 0, 0
8, 20.45, 0, 0
9, 25.1375, 0, 0
10, 25.7625, 0, 0
11, 26.075, 0, 0
12, 31.075, 0, 0
13, 33.575, 0, 0
14, 33.8875, 0, 0
15, 34.2, 0, 0
16, 36.075, 0, 0
17, 41.075, 0, 0
18, 46.075, 0, 0
19, 47.95, 0, 0
20, 48.2625, 0, 0
21, 51.075, 0, 0
22, 56.075, 0, 0
23, 57.6375, 0, 0
24, 57.95, 0, 0
25, 58.575, 0, 0
26, 61.075, 0, 0
27, 66.075, 0, 0
28, 71.075, 0, 0
29, 72.325, 0, 0
30, 72.95, 0, 0
31, 74.2, 0, 0
32, 74.825, 0, 0
33, 76.7, 0, 0
34, 81.7, 0, 0
35, 82.0125, 0, 0
36, 82.325, 0, 0
37, 84.2, 0, 0
38, 84.5125, 0, 0
39, 86.7, 0, 0
40, 91.7, 0, 0
41, 96.7, 0, 0
42, 98.575, 0, 0
43, 98.8875, 0, 0
44, 99.2, 0, 0
45, 101.075, 0, 0
46, 101.3875, 0, 0
47, 101.7, 0, 0
48, 106.7, 0, 0
49, 107.0125, 0, 0
50, 107.6375, 0, 0
51, 108.575, 0, 0
52, 111.7, 0, 0
53, 116.7, 0, 0
54, 121.7, 0, 0
55, 126.7, 0, 0
56, 131.7, 0, 0
57, 132.325, 0, 0
58, 133.2625, 0, 0
59, 136.7, 0, 0
60, 141.2, 0, 0
61, 141.65, 0, 0
62, 0, 3.8, 0
63, 0.45, 3.8, 0
64, 5.45, 3.8, 0
65, 8.8875, 3.8, 0
66, 9.825, 3.8, 0
67, 10.45, 3.8, 0
68, 15.45, 3.8, 0
69, 20.45, 3.8, 0
70, 25.1375, 3.8, 0
71, 25.7625, 3.8, 0
72, 26.075, 3.8, 0
73, 31.075, 3.8, 0
74, 33.575, 3.8, 0
75, 33.8875, 3.8, 0
76, 34.2, 3.8, 0
77, 36.075, 3.8, 0
78, 41.075, 3.8, 0

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176, 106.7, 7.6, 0
177, 107.0125, 7.6, 0
178, 107.6375, 7.6, 0
179, 108.575, 7.6, 0
180, 111.7, 7.6, 0
181, 116.7, 7.6, 0
182, 121.7, 7.6, 0
183, 126.7, 7.6, 0
184, 131.7, 7.6, 0
185, 132.325, 7.6, 0
186, 133.2625, 7.6, 0
187, 136.7, 7.6, 0
188, 141.2, 7.6, 0
189, 141.65, 7.6, 0
190, 15, 0, 0
191, 15, 7.6, 0
192, 15, 3.8, 0
193, 122.9, 0, 0
194, 122.9, 7.6, 0
195, 122.9, 3.8, 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, 1, 1, 2, 0, 0
2, BEAM , 1, 1, 2, 3, 0, 0
3, BEAM , 1, 1, 3, 4, 0, 0
4, BEAM , 1, 2, 4, 5, 0, 0
5, BEAM , 1, 3, 5, 6, 0, 0
6, BEAM , 1, 3, 6, 190, 0, 0
7, BEAM , 1, 3, 7, 8, 0, 0
8, BEAM , 1, 3, 8, 9, 0, 0
9, BEAM , 1, 4, 9, 10, 0, 0
10, BEAM , 1, 5, 10, 11, 0, 0
11, BEAM , 1, 6, 11, 12, 0, 0
12, BEAM , 1, 6, 12, 13, 0, 0
13, BEAM , 1, 7, 13, 14, 0, 0
14, BEAM , 1, 8, 14, 15, 0, 0
15, BEAM , 1, 9, 15, 16, 0, 0
16, BEAM , 1, 9, 16, 17, 0, 0
17, BEAM , 1, 9, 17, 18, 0, 0
18, BEAM , 1, 9, 18, 19, 0, 0
19, BEAM , 1, 8, 19, 20, 0, 0
20, BEAM , 1, 7, 20, 123, 0, 0
21, BEAM , 1, 6, 123, 21, 0, 0
22, BEAM , 1, 6, 21, 22, 0, 0
23, BEAM , 1, 6, 22, 23, 0, 0
24, BEAM , 1, 10, 23, 24, 0, 0
25, BEAM , 1, 11, 24, 25, 0, 0
26, BEAM , 1, 12, 25, 26, 0, 0
27, BEAM , 1, 12, 26, 27, 0, 0
28, BEAM , 1, 12, 27, 28, 0, 0
29, BEAM , 1, 12, 28, 29, 0, 0
30, BEAM , 1, 11, 29, 30, 0, 0
31, BEAM , 1, 13, 30, 31, 0, 0
32, BEAM , 1, 14, 31, 32, 0, 0
33, BEAM , 1, 15, 32, 33, 0, 0
34, BEAM , 1, 15, 33, 34, 0, 0
35, BEAM , 1, 15, 34, 35, 0, 0
36, BEAM , 1, 16, 35, 36, 0, 0
37, BEAM , 1, 17, 36, 37, 0, 0
38, BEAM , 1, 18, 37, 38, 0, 0
39, BEAM , 1, 19, 38, 125, 0, 0
40, BEAM , 1, 20, 125, 39, 0, 0
41, BEAM , 1, 20, 39, 40, 0, 0
42, BEAM , 1, 20, 40, 41, 0, 0
43, BEAM , 1, 20, 41, 42, 0, 0
44, BEAM , 1, 19, 42, 43, 0, 0
45, BEAM , 1, 18, 43, 44, 0, 0
46, BEAM , 1, 17, 44, 45, 0, 0
47, BEAM , 1, 16, 45, 46, 0, 0
48, BEAM , 1, 15, 46, 47, 0, 0
49, BEAM , 1, 15, 47, 48, 0, 0
50, BEAM , 1, 21, 48, 49, 0, 0
51, BEAM , 1, 22, 49, 50, 0, 0
52, BEAM , 1, 23, 50, 51, 0, 0
53, BEAM , 1, 3, 51, 52, 0, 0
54, BEAM , 1, 3, 52, 53, 0, 0
55, BEAM , 1, 3, 53, 54, 0, 0
56, BEAM , 1, 3, 54, 193, 0, 0
57, BEAM , 1, 3, 55, 56, 0, 0
58, BEAM , 1, 3, 56, 57, 0, 0
59, BEAM , 1, 2, 57, 58, 0, 0
60, BEAM , 1, 1, 58, 59, 0, 0
61, BEAM , 1, 1, 59, 60, 0, 0
62, BEAM , 1, 1, 60, 61, 0, 0
63, BEAM , 1, 1, 127, 128, 0, 0
64, BEAM , 1, 1, 128, 129, 0, 0
65, BEAM , 1, 1, 129, 130, 0, 0
66, BEAM , 1, 2, 130, 131, 0, 0

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67. BEAM , 1, 3, 131, 132, 0, 0	164. BEAM , 2, 25, 126, 100, 0, 0	: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,
68. BEAM , 1, 3, 132, 191, 0, 0	165. BEAM , 2, 25, 100, 101, 0, 0	THERMAL, DEN, MASS
69. BEAM , 1, 3, 133, 134, 0, 0	166. BEAM , 2, 25, 101, 102, 0, 0	1, STEEL, SM490 , 0, 0, , C, NO, 0.02,
70. BEAM , 1, 3, 134, 135, 0, 0	167. BEAM , 2, 25, 102, 103, 0, 0	1, KS10-Civil(S), , SM490
71. BEAM , 1, 4, 135, 136, 0, 0	168. BEAM , 2, 25, 103, 104, 0, 0	2, STEEL, SM400 , 0, 0, , C, NO, 0.02,
72. BEAM , 1, 5, 136, 137, 0, 0	169. BEAM , 2, 25, 104, 105, 0, 0	1, KS10-Civil(S), , SM400
73. BEAM , 1, 6, 137, 138, 0, 0	170. BEAM , 2, 25, 105, 106, 0, 0	*MATL-COLOR
74. BEAM , 1, 6, 138, 139, 0, 0	171. BEAM , 2, 25, 106, 107, 0, 0	: iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
75. BEAM , 1, 7, 139, 140, 0, 0	172. BEAM , 2, 25, 107, 108, 0, 0	HE_G, HE_B, bBLEND, FACT
76. BEAM , 1, 8, 140, 141, 0, 0	173. BEAM , 2, 25, 108, 109, 0, 0	1, 255, 0, 0, 0, 255, 0, 0, 0, 255,
77. BEAM , 1, 9, 141, 142, 0, 0	174. BEAM , 2, 25, 109, 110, 0, 0	NO, 0.5
78. BEAM , 1, 9, 142, 143, 0, 0	175. BEAM , 2, 25, 110, 111, 0, 0	2, 255, 0, 0, 0, 255, 0, 0, 0, 255,
79. BEAM , 1, 9, 143, 144, 0, 0	176. BEAM , 2, 25, 111, 112, 0, 0	NO, 0.5
80. BEAM , 1, 9, 144, 145, 0, 0	177. BEAM , 2, 25, 112, 113, 0, 0	*SECTION : Section
81. BEAM , 1, 8, 145, 146, 0, 0	178. BEAM , 2, 25, 113, 114, 0, 0	: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],
82. BEAM , 1, 7, 146, 147, 0, 0	179. BEAM , 2, 25, 114, 115, 0, 0	[DATA2] : 1st line - DB/USER
83. BEAM , 1, 6, 147, 148, 0, 0	180. BEAM , 2, 25, 115, 195, 0, 0	: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,
84. BEAM , 1, 6, 148, 149, 0, 0	181. BEAM , 2, 25, 116, 117, 0, 0	..., D8, iCEL : 1st line - VALUE
85. BEAM , 1, 6, 149, 150, 0, 0	182. BEAM , 2, 25, 117, 118, 0, 0	: AREA, ASy, ASz, lxx, lyy, lzz
86. BEAM , 1, 10, 150, 151, 0, 0	183. BEAM , 2, 25, 118, 119, 0, 0	: 2nd line
87. BEAM , 1, 11, 151, 152, 0, 0	184. BEAM , 2, 25, 119, 120, 0, 0	: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,
88. BEAM , 1, 12, 152, 153, 0, 0	185. BEAM , 2, 25, 120, 121, 0, 0	PERI_IN, Cy, Cz : 3rd line
89. BEAM , 1, 12, 153, 154, 0, 0	186. BEAM , 2, 25, 121, 122, 0, 0	: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz
90. BEAM , 1, 12, 154, 155, 0, 0	187. BEAM , 2, 24, 2, 63, 0, 0	: 4th line
91. BEAM , 1, 12, 155, 156, 0, 0	188. BEAM , 2, 24, 63, 128, 0, 0	: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,
92. BEAM , 1, 11, 156, 157, 0, 0	189. BEAM , 2, 24, 3, 64, 0, 0	DEN, POIS, POIC, SF, THERMAL : 1st line - SRC
93. BEAM , 1, 13, 157, 158, 0, 0	190. BEAM , 2, 24, 64, 129, 0, 0	: D1, D2, [SRC]
94. BEAM , 1, 14, 158, 159, 0, 0	191. BEAM , 2, 24, 6, 67, 0, 0	: 2nd line
95. BEAM , 1, 15, 159, 160, 0, 0	192. BEAM , 2, 24, 67, 132, 0, 0	: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,
96. BEAM , 1, 15, 160, 161, 0, 0	193. BEAM , 2, 24, 7, 68, 0, 0	NAME1, NAME2, D1, D2 : 1st line - COMBINED
97. BEAM , 1, 15, 161, 162, 0, 0	194. BEAM , 2, 24, 68, 133, 0, 0	: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,
98. BEAM , 1, 16, 162, 163, 0, 0	195. BEAM , 2, 24, 8, 69, 0, 0	D12, D13, D14, D15, D21, D22, D23, D24
99. BEAM , 1, 17, 163, 164, 0, 0	196. BEAM , 2, 24, 69, 134, 0, 0	: iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,
100. BEAM , 1, 18, 164, 165, 0, 0	197. BEAM , 2, 24, 11, 72, 0, 0	izVAR, STYPE : 1st line - TAPERED
101. BEAM , 1, 19, 165, 166, 0, 0	198. BEAM , 2, 24, 72, 137, 0, 0	: DB, NAME1, NAME2
102. BEAM , 1, 20, 166, 167, 0, 0	199. BEAM , 2, 24, 12, 73, 0, 0	: 2nd line(STYPE=DB)
103. BEAM , 1, 20, 167, 168, 0, 0	200. BEAM , 2, 24, 73, 138, 0, 0	: [DIM1], [DIM2]
104. BEAM , 1, 20, 168, 169, 0, 0	201. BEAM , 2, 24, 16, 77, 0, 0	: 2nd line(STYPE=USER)
105. BEAM , 1, 20, 169, 170, 0, 0	202. BEAM , 2, 24, 77, 142, 0, 0	: D11, D12, D13, D14, D15, D16, D17, D18
106. BEAM , 1, 19, 170, 171, 0, 0	203. BEAM , 2, 24, 17, 78, 0, 0	: 2nd line(STYPE=VALUE)
107. BEAM , 1, 18, 171, 172, 0, 0	204. BEAM , 2, 24, 78, 143, 0, 0	: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1
108. BEAM , 1, 17, 172, 173, 0, 0	205. BEAM , 2, 24, 18, 79, 0, 0	: 3rd line(STYPE=VALUE)
109. BEAM , 1, 16, 173, 174, 0, 0	206. BEAM , 2, 24, 79, 144, 0, 0	: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
110. BEAM , 1, 15, 174, 175, 0, 0	207. BEAM , 2, 24, 21, 82, 0, 0	PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
111. BEAM , 1, 15, 175, 176, 0, 0	208. BEAM , 2, 24, 82, 148, 0, 0	line(STYPE=VALUE)
112. BEAM , 1, 21, 176, 177, 0, 0	209. BEAM , 2, 24, 22, 83, 0, 0	: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,
113. BEAM , 1, 22, 177, 178, 0, 0	210. BEAM , 2, 24, 83, 149, 0, 0	Zyy2 : 5th line(STYPE=VALUE)
114. BEAM , 1, 23, 178, 179, 0, 0	211. BEAM , 2, 24, 26, 87, 0, 0	: D21, D22, D23, D24, D25, D26, D27, D28
115. BEAM , 1, 3, 179, 180, 0, 0	212. BEAM , 2, 24, 87, 153, 0, 0	: 6th line(STYPE=VALUE)
116. BEAM , 1, 3, 180, 181, 0, 0	213. BEAM , 2, 24, 27, 88, 0, 0	: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
117. BEAM , 1, 3, 181, 182, 0, 0	214. BEAM , 2, 24, 88, 154, 0, 0	: 7th line(STYPE=VALUE)
118. BEAM , 1, 3, 182, 194, 0, 0	215. BEAM , 2, 24, 28, 89, 0, 0	: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
119. BEAM , 1, 3, 183, 184, 0, 0	216. BEAM , 2, 24, 89, 155, 0, 0	PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
120. BEAM , 1, 3, 184, 185, 0, 0	217. BEAM , 2, 24, 33, 94, 0, 0	line(STYPE=VALUE)
121. BEAM , 1, 2, 185, 186, 0, 0	218. BEAM , 2, 24, 94, 160, 0, 0	: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,
122. BEAM , 1, 1, 186, 187, 0, 0	219. BEAM , 2, 24, 34, 95, 0, 0	Zzz2 : 9th line(STYPE=VALUE)
123. BEAM , 1, 1, 187, 188, 0, 0	220. BEAM , 2, 24, 95, 161, 0, 0	: OPT1, OPT2, [JOINT]
124. BEAM , 1, 1, 188, 189, 0, 0	221. BEAM , 2, 24, 39, 100, 0, 0	: 2nd line(STYPE=PSC)
125. BEAM , 2, 25, 62, 63, 0, 0	222. BEAM , 2, 24, 100, 167, 0, 0	: ELAST, DEN, POIS, POIC, THERMAL
126. BEAM , 2, 25, 63, 64, 0, 0	223. BEAM , 2, 24, 40, 101, 0, 0	: 2nd line(STYPE=PSC-CMPW)
127. BEAM , 2, 25, 64, 65, 0, 0	224. BEAM , 2, 24, 101, 168, 0, 0	: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
128. BEAM , 2, 25, 65, 66, 0, 0	225. BEAM , 2, 24, 41, 102, 0, 0	[WT-J], Wl, WJ, bSYM, bSIDEHOLE : 3rd
129. BEAM , 2, 25, 66, 67, 0, 0	226. BEAM , 2, 24, 102, 169, 0, 0	line(STYPE=PSC)
130. BEAM , 2, 25, 67, 192, 0, 0	227. BEAM , 2, 24, 47, 108, 0, 0	: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],
131. BEAM , 2, 25, 68, 69, 0, 0	228. BEAM , 2, 24, 108, 175, 0, 0	[CMPWEB-J] : 3rd
132. BEAM , 2, 25, 69, 70, 0, 0	229. BEAM , 2, 24, 48, 109, 0, 0	line(STYPE=PSC-CMPW)
133. BEAM , 2, 25, 70, 71, 0, 0	230. BEAM , 2, 24, 109, 176, 0, 0	: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
134. BEAM , 2, 25, 71, 72, 0, 0	231. BEAM , 2, 24, 52, 113, 0, 0	[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)
135. BEAM , 2, 25, 72, 73, 0, 0	232. BEAM , 2, 24, 113, 180, 0, 0	: [SIZE-A]-i
136. BEAM , 2, 25, 73, 74, 0, 0	233. BEAM , 2, 24, 53, 114, 0, 0	: 5th line(STYPE=PSC)
137. BEAM , 2, 25, 74, 75, 0, 0	234. BEAM , 2, 24, 114, 181, 0, 0	: [SIZE-B]-i
138. BEAM , 2, 25, 75, 76, 0, 0	235. BEAM , 2, 24, 54, 115, 0, 0	: 6th line(STYPE=PSC)
139. BEAM , 2, 25, 76, 77, 0, 0	236. BEAM , 2, 24, 115, 182, 0, 0	: [SIZE-C]-i
140. BEAM , 2, 25, 77, 78, 0, 0	237. BEAM , 2, 24, 55, 116, 0, 0	: 7th line(STYPE=PSC)
141. BEAM , 2, 25, 78, 79, 0, 0	238. BEAM , 2, 24, 116, 183, 0, 0	: [SIZE-D]-i
142. BEAM , 2, 25, 79, 80, 0, 0	239. BEAM , 2, 24, 56, 117, 0, 0	: 8th line(STYPE=PSC)
143. BEAM , 2, 25, 80, 81, 0, 0	240. BEAM , 2, 24, 117, 184, 0, 0	: [SIZE-A]-j
144. BEAM , 2, 25, 81, 124, 0, 0	241. BEAM , 2, 24, 59, 120, 0, 0	: 9th line(STYPE=PSC)
145. BEAM , 2, 25, 124, 82, 0, 0	242. BEAM , 2, 24, 120, 187, 0, 0	: [SIZE-B]-j
146. BEAM , 2, 25, 82, 83, 0, 0	243. BEAM , 2, 24, 60, 121, 0, 0	: 10th line(STYPE=PSC)
147. BEAM , 2, 25, 83, 84, 0, 0	244. BEAM , 2, 24, 121, 188, 0, 0	: [SIZE-C]-j
148. BEAM , 2, 25, 84, 85, 0, 0	245. BEAM , 1, 3, 190, 7, 0, 0	: 11th line(STYPE=PSC)
149. BEAM , 2, 25, 85, 86, 0, 0	246. BEAM , 1, 3, 191, 133, 0, 0	: [SIZE-D]-j
150. BEAM , 2, 25, 86, 87, 0, 0	247. BEAM , 2, 25, 192, 68, 0, 0	: 12th line(STYPE=PSC)
151. BEAM , 2, 25, 87, 88, 0, 0	248. BEAM , 1, 3, 193, 55, 0, 0	: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
152. BEAM , 2, 25, 88, 89, 0, 0	249. BEAM , 1, 3, 194, 183, 0, 0	bMULTI, EsEc-L, EsEc-S : 2nd
153. BEAM , 2, 25, 89, 90, 0, 0	250. BEAM , 2, 25, 195, 116, 0, 0	line(STYPE=CMP-B/I)
154. BEAM , 2, 25, 90, 91, 0, 0	*MATERIAL : Material	: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,
155. BEAM , 2, 25, 91, 92, 0, 0	: iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,	tf2_j : 3rd line(STYPE=CMP-B/I)
156. BEAM , 2, 25, 92, 93, 0, 0	bMASS, DAMPRATIO, [DATA1] : STEEL, CONC,	: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,
157. BEAM , 2, 25, 93, 94, 0, 0	USER : 4th line(STYPE=CMP-B/I)	: N1, N2, Hr, Hr2, tr1, tr2
158. BEAM , 2, 25, 94, 95, 0, 0	: iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,	: 5th line(STYPE=CMP-B)
159. BEAM , 2, 25, 95, 96, 0, 0	bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC	: GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd,
160. BEAM , 2, 25, 96, 97, 0, 0	: [DATA1] : 1, DB, NAME, CODE	Psb, bSYM, SW_j, SW_j : 2nd
161. BEAM , 2, 25, 97, 98, 0, 0	: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS	line(STYPE=CMP-CI/CT)
162. BEAM , 2, 25, 98, 99, 0, 0	: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz,	: OPT1, OPT2, [JOINT]
163. BEAM , 2, 25, 99, 126, 0, 0	Pxy, Pxz, Pyz, DEN, MASS : Orthotropic	

: 3rd line(STYPE=CMP-CI/CT)	0	0
: [SIZE-A]-i	0	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: 4th line(STYPE=CMP-CI/CT)	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	0.433, 0, NO, 0.433, 0, NO
: [SIZE-B]-i	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
: 5th line(STYPE=CMP-CI/CT)	0.433, 0, NO, 0.433, 0, NO	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: [SIZE-C]-i	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.18, 1.2, NO, ,
: 6th line(STYPE=CMP-CI/CT)	0.18, 1.2, NO, ,	10, COMPOSITE , 10
: [SIZE-D]-i	2, COMPOSITE , 2	, CC, 0, 0, 0, 0,
: 7th line(STYPE=CMP-CI/CT)	0, 0, YES, B	0, 0, YES, B
: [SIZE-A]-j	2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.012	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.012
: 8th line(STYPE=CMP-CI/CT)	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 5, 5
: [SIZE-B]-j	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 9th line(STYPE=CMP-CI/CT)	0	0
: [SIZE-C]-j	0	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: 10th line(STYPE=CMP-CI/CT)	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	0.433, 0, NO, 0.433, 0, NO
: [SIZE-D]-j	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: 11th line(STYPE=CMP-CI/CT)	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
: ISEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: 1st line - CONSTRUCT	0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
: SHAPE, ...(same with other type data from shape)	3, COMPOSITE , 3	11, COMPOSITE , 11
: Before (STYPE1)	0, 0, YES, B	, CC, 0, 0, 0, 0,
: SHAPE, ...(same with other type data from shape)	2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.016	0, 0, YES, B
: After (STYPE2)	1, 0, 0, 0, 3, 5	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, 0, 0, 0, 5, 5
: 1st line - COMPOSITE-SB	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: Hw, tw, B, Bf1, tf1, B2, Bf2, tf2	0	0
: 2nd line	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: N1, N2, Hr, Hr2, tr1, tr2	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
: 3rd line	0.433, 0, NO, 0.433, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.433, 0, NO, 0.433, 0, NO
: 4th line	0.18, 1.2, NO, ,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE	4, COMPOSITE , 4	0.18, 1.2, NO, ,
: 1st line - COMPOSITE-SI	0, 0, YES, B	12, COMPOSITE , 12
: Hw, tw, B, tf1, B2, tf2	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.016	, CC, 0, 0, 0, 0,
: 2nd line	1, 0, 0, 0, 3, 5	0, 0, YES, B
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
: 3rd line	0	1, 0, 0, 0, 3, 5
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 1st line - COMPOSITE-CI/CT	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	0
: OPT1, OPT2, [JOINT]	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0
: 2nd line	0.433, 0, NO, 0.433, 0, NO	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
: [SIZE-A]	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: 3rd line	0.18, 1.2, NO, ,	0.433, 0, NO, 0.433, 0, NO
: [SIZE-B]	5, COMPOSITE , 5	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: 4th line	0, 0, YES, B	0.18, 1.2, NO, ,
: [SIZE-C]	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.018	13, COMPOSITE , 13
: 5th line	1, 0, 0, 0, 3, 5	, CC, 0, 0, 0, 0,
: [SIZE-D]	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0, 0, YES, B
: 6th line	0	2.4, 0.014, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
: SW, GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb, Pgd, Psb	0	1, 0, 0, 0, 5, 5
: 7th line	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0
: 1st line - PSC	0.433, 0, NO, 0.433, 0, NO	0
: OPT1, OPT2, [JOINT]	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: 2nd line	0.18, 1.2, NO, ,	0.433, 0, NO, 0.433, 0, NO
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE	6, COMPOSITE , 6	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: 3rd line	0, 0, YES, B	0.18, 1.2, NO, ,
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF]	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.018	14, COMPOSITE , 14
: 4th line	1, 0, 0, 0, 3, 5	, CC, 0, 0, 0, 0,
: [SIZE-A]	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	0, 0, YES, B
: 5th line	0	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.012
: [SIZE-B]	0	1, 0, 0, 0, 5, 5
: 6th line	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: [SIZE-C]	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0
: 7th line	0.433, 0, NO, 0.433, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [SIZE-D]	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.433, 0, NO, 0.433, 0, NO
: 8th line	0.18, 1.2, NO, ,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10	7, COMPOSITE , 7	0.433, 0, NO, 0.433, 0, NO
: [DATA2] : CCSHAPE or ICEL or IN1, IN2	0, 0, YES, B	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, IN1, IN2	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.018	0.18, 1.2, NO, ,
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8	1, 0, 0, 0, 5, 3	15, COMPOSITE , 15
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	, CC, 0, 0, 0, 0,
: [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER, iVUSER, VUSERJ	0	0, 0, YES, B
: [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.02
: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)	0.433, 0, NO, 0.433, 0, NO	1, 0, 0, 0, 5, 5
: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)	8, COMPOSITE , 8	0
: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.026	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz	1, 0, 0, 0, 5, 3	0.433, 0, NO, 0.433, 0, NO
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3	0	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: [CMPWEB] : EFD, LRF, A, B, H, T	0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
: 1, COMPOSITE , 1	9, COMPOSITE , 9	16, COMPOSITE , 16
: 0, 0, YES, B	, CC, 0, 0, 0, 0,	, CC, 0, 0, 0, 0,
2.4, 0.012, 2.6, 0.1, 0.01, 2.6, 0.1, 0.012	2.4, 0.012, 2.6, 0.1, 0.026, 2.6, 0.1, 0.026	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.024
1, 0, 0, 0, 3, 5	1, 0, 0, 0, 5, 3	1, 0, 0, 0, 5, 5
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
	0	0
		5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
		0.433, 0, NO, 0.433, 0, NO
		5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
		0.433, 0, NO, 0.433, 0, NO
		12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
		0.18, 1.2, NO, ,
		17, COMPOSITE , 17
		, CC, 0, 0, 0, 0,

0, 0, YES, B	3, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 2nd line(STYPE=USER)
2.4, 0.014, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024	NO, 0.5		D11, D12, D13, D14, D15, D16, D17, D18
1, 0, 0, 0, 5, 5	4, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 2nd line(STYPE=VALUE)
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	NO, 0.5		AREA1, ASy1, ASz1, lxx1, lyy1, lzz1
0	5, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 3rd line(STYPE=VALUE)
0	NO, 0.5		CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	6, 255, 0, 0, 0, 255, 0, 0, 0, 255,		PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
0.433, 0, NO, 0.433, 0, NO	NO, 0.5		line(STYPE=VALUE)
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	7, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,
0.433, 0, NO, 0.433, 0, NO	NO, 0.5		Zyy2 : 5th line(STYPE=VALUE)
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	8, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: D21, D22, D23, D24, D25, D26, D27, D28
0.18, 1.2, NO, ,	NO, 0.5		: 6th line(STYPE=VALUE)
18, COMPOSITE , 18	9, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
0, 0, YES, B	NO, 0.5		: 7th line(STYPE=VALUE)
2.4, 0.014, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024	10, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
1, 0, 0, 0, 5, 3	NO, 0.5		PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	11, 255, 0, 0, 0, 255, 0, 0, 0, 255,		line(STYPE=VALUE)
0	NO, 0.5		: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,
0	12, 255, 0, 0, 0, 255, 0, 0, 0, 255,		Zzz2 : 9th line(STYPE=VALUE)
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	NO, 0.5		: OPT1, OPT2, [JOINT]
0.433, 0, NO, 0.433, 0, NO	13, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 2nd line(STYPE=PSC)
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	NO, 0.5		ELAST, DEN, POIS, POIC, THERMAL
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	14, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 2nd line(STYPE=PSC-CMPW)
0.18, 1.2, NO, ,	NO, 0.5		bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
19, COMPOSITE , 19	15, 255, 0, 0, 0, 255, 0, 0, 0, 255,		[WT-J], Wl, WJ, bSYM, bSIDEHOLE : 3rd
0, 0, YES, B	NO, 0.5		line(STYPE=PSC)
2.4, 0.014, 2.6, 0.1, 0.024, 2.6, 0.1, 0.03	16, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],
1, 0, 0, 0, 5, 3	NO, 0.5		[CMPWEB-J] : 3rd
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	17, 255, 0, 0, 0, 255, 0, 0, 0, 255,		line(STYPE=PSC-CMPW)
0	NO, 0.5		: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
0	18, 255, 0, 0, 0, 255, 0, 0, 0, 255,		[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	NO, 0.5		: [SIZE-A]-i
0.433, 0, NO, 0.433, 0, NO	19, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 5th line(STYPE=PSC)
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	NO, 0.5		: [SIZE-B]-i
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	20, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 6th line(STYPE=PSC)
0.18, 1.2, NO, ,	NO, 0.5		: [SIZE-C]-i
20, COMPOSITE , 20	21, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 7th line(STYPE=PSC)
0, 0, YES, B	NO, 0.5		: [SIZE-D]-i
2.4, 0.014, 2.6, 0.1, 0.028, 2.6, 0.1, 0.03	22, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 8th line(STYPE=PSC)
1, 0, 0, 0, 5, 3	NO, 0.5		: [SIZE-A]-j
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	23, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 9th line(STYPE=PSC)
0	NO, 0.5		: [SIZE-B]-j
0	24, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 10th line(STYPE=PSC)
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	NO, 0.5		: [SIZE-C]-j
0.433, 0, NO, 0.433, 0, NO	25, 255, 0, 0, 0, 255, 0, 0, 0, 255,		: 11th line(STYPE=PSC)
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	NO, 0.5		: [SIZE-D]-j
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,			: 12th line(STYPE=PSC)
0.18, 1.2, NO, ,	*COMP-GEN-SECT-PSC-DESIGN : Composite Section		
21, COMPOSITE , 21	for PSC Design		
0, 0, YES, B	: ELEM, (Z1, Z2, Z3, t1, t2, t3, TotT)-I, (Z1, Z2, Z3, t1,		
2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.02	t2, t3, TotT)-J		
1, 0, 0, 0, 3, 5	1, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	2, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
0	3, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
0	4, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	5, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	6, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
0.433, 0, NO, 0.433, 0, NO	7, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	8, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
0.18, 1.2, NO, ,	9, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
22, COMPOSITE , 22	10, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
0, 0, YES, B	11, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.016	12, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
1, 0, 0, 0, 3, 5	13, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	14, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
0	15, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
0	16, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	17, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	18, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
0.433, 0, NO, 0.433, 0, NO	19, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	20, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
0.18, 1.2, NO, ,	21, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
23, COMPOSITE , 23	22, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
0, 0, YES, B	23, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		
2.4, 0.014, 2.6, 0.1, 0.014, 2.6, 0.1, 0.016			
1, 0, 0, 0, 3, 5	*DGN-SECT		
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],		
0	[DATA2] : 1st line - DB/USER		
0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,		
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	..., D8, iCEL : 1st line - VALUE		
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	: AREA, ASy, ASz, lxx, lyy, lzz		
0.433, 0, NO, 0.433, 0, NO	: 2nd line		
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,		
0.18, 1.2, NO, ,	PERI_IN, Cy, Cz : 3rd line		
24, DBUSER , Cross Beam	: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz		
0, 0, YES, H , 2, 1.5, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0,	: 4th line		
0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,		
25, DBUSER , stringer	DEN, POIS, POIC, SF, THERMAL : 1st line - SRC		
0, YES, H , 2, 0.8, 0.3, 0.01, 0.012, 0.3, 0.012, 0, 0, 0,	: D1, D2, [SRC]		
0	: 2nd line		
*SECT-COLOR	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,		
: ISEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,	NAME1, NAME2, D1, D2 : 1st line - COMBINED		
HE_G, HE_B, bBLEND, FACT	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,		
1, 255, 0, 0, 0, 255, 0, 0, 0, 255,	D12, D13, D14, D15, D21, D22, D23, D24		
NO, 0.5	: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,		
2, 255, 0, 0, 0, 255, 0, 0, 0, 255,	izVAR, STYPE : 1st line - TAPERED		
NO, 0.5	: DB, NAME1, NAME2		
	: 2nd line(STYPE=DB)		
	: [DIM1], [DIM2]		

: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE	0	0
: 1st line - COMPOSITE-CI/CT	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
: OPT1, OPT2, [JOINT]	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: 2nd line	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
: [SIZE-A]	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: 3rd line	0.18, 1.2, NO, ,	0.18, 1.2, NO, ,
: [SIZE-B]	5, COMPOSITE , 5, CC, 0, 0, 0, 0,	5, COMPOSITE , 13, CC, 0, 0, 0, 0,
: 4th line	0, 0, YES, B	0, 0, YES, B
: [SIZE-C]	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.018	2.4, 0.014, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012
: 5th line	1, 0, 0, 0, 3, 5	1, 0, 0, 0, 5, 5
: [SIZE-D]	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
: 6th line	0	0
: SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb,	0	0
Pgd, Psb, : 7th line	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
: 1st line - PSC	0.433, 0, NO, 0.433, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: OPT1, OPT2, [JOINT]	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.433, 0, NO, 0.433, 0, NO
: 2nd line	0.18, 1.2, NO, ,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM,	6, COMPOSITE , 6, CC, 0, 0, 0, 0,	0.18, 1.2, NO, ,
bSIDEHOLE : 3rd line	0, 0, YES, B	14, COMPOSITE , 14, CC, 0, 0, 0, 0,
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.018	0, 0, YES, B
[STIFF] : 4th line	1, 0, 0, 0, 3, 5	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.012
: [SIZE-A]	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, 0, 0, 0, 5, 5
: 5th line	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
: [SIZE-B]	0	0
: 6th line	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [SIZE-C]	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
: 7th line	0.433, 0, NO, 0.433, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [SIZE-D]	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.433, 0, NO, 0.433, 0, NO
: 8th line	0.18, 1.2, NO, ,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6,	7, COMPOSITE , 7, CC, 0, 0, 0, 0,	0.18, 1.2, NO, ,
D7, D8, D9, D10	0, 0, YES, B	15, COMPOSITE , 15, CC, 0, 0, 0, 0,
: [DATA2] : CCSHAPE or ICEL or iN1, iN2	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.018	0, 0, YES, B
: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4,	1, 0, 0, 0, 5, 3	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.02
D5, D6, D7, D8, D9, D10, iN1, iN2	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, 0, 0, 0, 5, 5
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER,	0	0
iVERT, VUSER	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0
: [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI,	0.433, 0, NO, 0.433, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
HUSERJ, iVERT, VUSERI, VUSERJ	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	0.433, 0, NO, 0.433, 0, NO
: [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM),	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)	0.18, 1.2, NO, ,	0.433, 0, NO, 0.433, 0, NO
: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM),	8, COMPOSITE , 8, CC, 0, 0, 0, 0,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.026	0.18, 1.2, NO, ,
: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM),	1, 0, 0, 0, 5, 3	16, COMPOSITE , 16, CC, 0, 0, 0, 0,
6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	0, 0, YES, B
: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM),	0	2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 0.1, 0.024
10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)	0	1, 0, 0, 0, 5, 5
: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM),	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)	0.433, 0, NO, 0.433, 0, NO	0
: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.433, 0, NO, 0.433, 0, NO
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,	0.18, 1.2, NO, ,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3	9, COMPOSITE , 9, CC, 0, 0, 0, 0,	0.18, 1.2, NO, ,
: [CMPWEB] : EFD, LRF, A, B, H, T	0, 0, YES, B	17, COMPOSITE , 17, CC, 0, 0, 0, 0,
1, COMPOSITE , 1, CC, 0, 0, 0, 0,	2.4, 0.012, 2.6, 0.1, 0.01, 2.6, 0.1, 0.012	0, 0, YES, B
0, 0, YES, B	1, 0, 0, 0, 3, 5	2.4, 0.014, 2.6, 0.1, 0.024, 2.6, 0.1, 0.024
2.4, 0.012, 2.6, 0.1, 0.01, 2.6, 0.1, 0.012	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, 0, 0, 0, 5, 5
1, 0, 0, 0, 3, 5	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	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.18, 1.2, NO, ,
0.433, 0, NO, 0.433, 0, NO	0.18, 1.2, NO, ,	10, COMPOSITE , 10, CC, 0, 0, 0, 0,
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.012	0, 0, YES, B
0.18, 1.2, NO, ,	1, 0, 0, 0, 5, 5	2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.016
2, COMPOSITE , 2, CC, 0, 0, 0, 0,	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	1, 0, 0, 0, 3, 5
0, 0, YES, B	0	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.012	0	0
1, 0, 0, 0, 3, 5	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	0.433, 0, NO, 0.433, 0, NO	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.433, 0, NO, 0.433, 0, NO
0	0.433, 0, NO, 0.433, 0, NO	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	0.18, 1.2, NO, ,
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.18, 1.2, NO, ,	3, COMPOSITE , 3, CC, 0, 0, 0, 0,
0.433, 0, NO, 0.433, 0, NO	11, COMPOSITE , 11, CC, 0, 0, 0, 0,	0, 0, YES, B
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012	2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.016
0.18, 1.2, NO, ,	1, 0, 0, 0, 5, 5	1, 0, 0, 0, 3, 5
3, COMPOSITE , 3, CC, 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, YES, B	0	0
2.4, 0.012, 2.6, 0.1, 0.014, 2.6, 0.1, 0.016	0	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
1, 0, 0, 0, 3, 5	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
0	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
0	0.433, 0, NO, 0.433, 0, NO	0.18, 1.2, NO, ,
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	4, COMPOSITE , 4, CC, 0, 0, 0, 0,
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	0.18, 1.2, NO, ,	0, 0, YES, B
0.433, 0, NO, 0.433, 0, NO	12, COMPOSITE , 12, CC, 0, 0, 0, 0,	2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.016
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012	1, 0, 0, 0, 3, 5
0.18, 1.2, NO, ,	1, 0, 0, 0, 5, 5	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
4, COMPOSITE , 4, CC, 0, 0, 0, 0,	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	0
0, 0, YES, B	0	0
2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.016	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
1, 0, 0, 0, 3, 5	0.433, 0, NO, 0.433, 0, NO	5, 0.433, 0, NO, 0.65, 0, NO, 0.65, 0, NO
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
0	0.433, 0, NO, 0.433, 0, NO	0.18, 1.2, NO, ,
0	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	19, COMPOSITE , 19, CC, 0, 0, 0, 0,
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	0.18, 1.2, NO, ,	0, 0, YES, B
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	12, COMPOSITE , 12, CC, 0, 0, 0, 0,	2.4, 0.014, 2.6, 0.1, 0.024, 2.6, 0.1, 0.03
0.433, 0, NO, 0.433, 0, NO	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012	1, 0, 0, 0, 5, 3
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	1, 0, 0, 0, 3, 5	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0
0.18, 1.2, NO, ,	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	0
4, COMPOSITE , 4, CC, 0, 0, 0, 0,	0	0
0, 0, YES, B	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 0.1, 0.016	0.433, 0, NO, 0.433, 0, NO	0.433, 0, NO, 0.433, 0, NO
1, 0, 0, 0, 3, 5	5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	0.433, 0, NO, 0.433, 0, NO	0.18, 1.2, NO, ,
0	12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	20, COMPOSITE , 20, CC, 0, 0, 0, 0,
0	0.18, 1.2, NO, ,	
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO	12, COMPOSITE , 12, CC, 0, 0, 0, 0,	
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,	2.4, 0.012, 2.6, 0.1, 0.012, 2.6, 0.1, 0.012	
0.433, 0, NO, 0.433, 0, NO	1, 0, 0, 0, 3, 5	
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,	1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0	
0.18, 1.2, NO, ,	0	
4, COMPOSITE , 4, CC, 0, 0, 0, 0,		
0, 0, YES, B		
2.4, 0.012, 2.6, 0.1, 0.018, 2.6, 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, 0, YES, B
2.4, 0.014, 2.6, 0.1, 0.028, 2.6, 0.1, 0.03
1, 0, 0, 0, 5, 3
1, RIB, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
3, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
21, COMPOSITE , 21 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 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, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
22, COMPOSITE , 22 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.014, 2.6, 0.1, 0.018, 2.6, 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, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
23, COMPOSITE , 23 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.014, 2.6, 0.1, 0.014, 2.6, 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, 0.65, 0, NO, 0.65, 0, NO, 0.65, 0, NO
5, 0.433, 0, NO, 0.433, 0, NO, 0.433, 0, NO,
0.433, 0, NO, 0.433, 0, NO
12.6, 2, 3.8, 6.3, 0.25, 0.05, 7.94851, 0, 0.3,
0.18, 1.2, NO, ,
24, 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
25, DBUSER , stringer , CC, 0, 0, 0, 0, 0,
0, YES, H , 2, 0.8, 0.3, 0.01, 0.012, 0.3, 0.012, 0, 0, 0,
0
*STLDCASE : Static Load Cases
: LCNAME, LCTYPE, DESC
자중 , D ,
슬래브 하중, D ,
"포장, 방호벽 하중", D ,
단위모멘트, USER,
*CONSTRAINT : Supports
: NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
40 168, 111000,
2 17 60 128 143 188, 011000,
*OFFSET : Beam End Offsets
: ELEM_LIST, TYPE, RGDXi, RGDI, RGDXj, RGDXj,
RGDYi, RGDI, GROUP : TYPE=GLOBAL
: ELEM_LIST, TYPE, RGDI, RGDI, GROUP
: TYPE=ELEMENT
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,
195, ELEMENT, 0, 1.2,
196, ELEMENT, 1.2, 0,
197, ELEMENT, 0, 1.2,
198, ELEMENT, 1.2, 0,
199, ELEMENT, 0, 1.2,
200, ELEMENT, 1.2, 0,
201, ELEMENT, 0, 1.2,
202, ELEMENT, 1.2, 0,
203, ELEMENT, 0, 1.2,
204, ELEMENT, 1.2, 0,
205, ELEMENT, 0, 1.2,
206, ELEMENT, 1.2, 0,
207, ELEMENT, 0, 1.2,
208, ELEMENT, 1.2, 0,
209, ELEMENT, 0, 1.2,
210, ELEMENT, 1.2, 0,
211, ELEMENT, 0, 1.2,
212, ELEMENT, 1.2, 0,
213, ELEMENT, 0, 1.2,
214, ELEMENT, 1.2, 0,
215, ELEMENT, 0, 1.2,

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216, ELEMENT, 1.2, 0,
217, ELEMENT, 0, 1.2,
218, ELEMENT, 1.2, 0,
219, ELEMENT, 0, 1.2,
220, ELEMENT, 1.2, 0,
221, ELEMENT, 0, 1.2,
222, ELEMENT, 1.2, 0,
223, ELEMENT, 0, 1.2,
224, ELEMENT, 1.2, 0,
225, ELEMENT, 0, 1.2,
226, ELEMENT, 1.2, 0,
227, ELEMENT, 0, 1.2,
228, ELEMENT, 1.2, 0,
229, ELEMENT, 0, 1.2,
230, ELEMENT, 1.2, 0,
231, ELEMENT, 0, 1.2,
232, ELEMENT, 1.2, 0,
233, ELEMENT, 0, 1.2,
234, ELEMENT, 1.2, 0,
235, ELEMENT, 0, 1.2,
236, ELEMENT, 1.2, 0,
237, ELEMENT, 0, 1.2,
238, ELEMENT, 1.2, 0,
239, ELEMENT, 0, 1.2,
240, ELEMENT, 1.2, 0,
241, ELEMENT, 0, 1.2,
242, ELEMENT, 1.2, 0,
243, ELEMENT, 0, 1.2,
244, 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, 슬래브 하중
*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, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
1, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
2, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
3, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
4, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
5, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
6, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
7, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
8, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
9, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
10, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
11, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
12, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
13, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,

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14, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
14, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
15, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
16, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
17, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
18, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
19, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
20, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
21, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
22, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
23, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
24, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
25, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
26, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
27, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
28, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
29, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
30, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
30, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
31, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
31, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
32, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
32, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
33, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
34, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
34, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
35, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
35, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
36, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
36, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
37, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,
, 0, 30.266, 1, 30.266, 0, 0, 0, 0, , NO, 0, 0, NO,
37, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , 0,
-46.563, 1, -46.563, 0, 0, 0, 0, , NO, 0, 0, NO,
38, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , ,

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*USE-STLD, "포장, 방호벽 하중"
*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,
-10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,
      1, LINE      , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
, 0, 15.101, 1, 15.101, 0, 0, 0, 0, , NO, 0, 0, NO,
      1, LINE      , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,
      2, LINE      , UNIMOMENT, GZ, NO , NO, aDir[1], , , ,
, 0, 15.101, 1, 15.101, 0, 0, 0, 0, , NO, 0, 0, NO,
      2, LINE      , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-10.764, 1, -10.764, 0, 0, 0, 0, , NO, 0, 0, NO,
      2, LINE      , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-6.638, 1, -6.638, 0, 0, 0, 0, , NO, 0, 0, NO,

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[illegible]

[illegible]

63, -0.55, 0.1875, YES, 0,	64, -0.55,	156, -1.1, 0.166667, NO, 0,	157, -1.1,	*VEHICLE : Vehicles
0.1875, NO, 0		0.166667, NO, 0		: if Moving Load Code is China
65, -0.55, 0.1875, NO, 0,	66, -0.55,	158, -1.1, 0.166667, NO, 0,	159, -1.1,	: NAME=NAME, 1, TYPE=NAME, CODE
0.1875, NO, 0		0.166667, NO, 0		: standard
67, -0.55, 0.1875, NO, 0,	68, -0.55,	160, -1.1, 0.166667, NO, 0,	161, -1.1,	: NAME=NAME, 2, LTYPE, [TRUCK/LANE] or
0.1875, NO, 0		0.166667, NO, 0		[TRAIN/SUBWAY] or [CROWD] : user: line 1
246, -0.55, 0.1875, NO, 0,	69, -0.55,	162, -1.1, 0.166667, NO, 0,	163, -1.1,	: LOAD1, DIST1, LOAD2, DIST2, ...
0.1875, NO, 0		0.166667, NO, 0		: user: from line 2
70, -0.55, 0.1875, NO, 0,	71, -0.55,	164, -1.1, 0.166667, NO, 0,	165, -1.1,	: [TRUCK/LANE] : 1, P, Qm, Qq
0.1875, NO, 0		0.166667, NO, 0		: truck(JTG)
72, -0.55, 0.1875, NO, 0,	73, -0.55,	166, -1.1, 0.166667, NO, 0,	167, -1.1,	: [TRUCK/LANE] : 2, P, Qm, Qq
0.1875, NO, 0		0.166667, NO, 0		: lane load1
74, -0.55, 0.1875, NO, 0,	75, -0.55,	168, -1.1, 0.166667, NO, 0,	169, -1.1,	: [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2
0.1875, NO, 0		0.166667, NO, 0		: lane load2
76, -0.55, 0.1875, NO, 0,	77, -0.55,	170, -1.1, 0.166667, NO, 0,	171, -1.1,	: [TRUCK/LANE] : 4, dW, dD
0.1875, NO, 0		0.166667, NO, 0		: crawler type
78, -0.55, 0.1875, NO, 0,	79, -0.55,	172, -1.1, 0.166667, NO, 0,	173, -1.1,	: [TRUCK/LANE] : 5
0.166667, NO, 0		0.166667, NO, 0		: GC type load
80, -0.55, 0.166667, NO, 0,	81, -0.55,	174, -1.1, 0.166667, NO, 0,	175, -1.1,	: [TRAIN/SUBWAY] : ITYPE, W1, D1, W2, D2
0.166667, NO, 0		0.166667, NO, 0		: train-type1,3
82, -0.55, 0.166667, NO, 0,	83, -0.55,	176, -1.1, 0.166667, NO, 0,	177, -1.1,	: [TRAIN/SUBWAY] : ITYPE, DD, FD, BD, MAINCOUNT
0.166667, NO, 0		0.166667, NO, 0		: train-type2
84, -0.55, 0.166667, NO, 0,	85, -0.55,	178, -1.1, 0.166667, NO, 0,	179, -1.1,	: [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD,
0.166667, NO, 0		0.166667, NO, 0		Po, n, IFR : subway
86, -0.55, 0.166667, NO, 0,	87, -0.55,	180, -1.1, 0.166667, NO, 0,	250, -1.1,	: [CROWD] : 1, dW1
0.166667, NO, 0		0.166667, NO, 0		: crowd-type1
88, -0.55, 0.166667, NO, 0,	89, -0.55,	181, -1.1, 0.166667, NO, 0,	182, -1.1,	: [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH
0.166667, NO, 0		0.166667, NO, 0		: crowd-type2
90, -0.55, 0.166667, NO, 0,	91, -0.55,	183, -1.1, 0.166667, NO, 0,	184, -1.1,	: if Moving Load Type is India
0.166667, NO, 0		0.166667, NO, 0		: NAME=NAME, 1, TYPE=NAME, CODE
92, -0.55, 0.166667, NO, 0,	93, -0.55,	185, -1.1, 0.166667, NO, 0,	186, -1.1,	: standard
0.166667, NO, 0		0.166667, NO, 0		: NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST
94, -0.55, 0.166667, NO, 0,	95, -0.55,	NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO		: user: line 1
0.166667, NO, 0		1, -1.65, 0.1875, YES, 0,	2, -1.65,	: NAME=NAME, 2, bWTB, dD1, dD2, NDIST
96, -0.55, 0.166667, NO, 0,	97, -0.55,	0.1875, NO, 0		: user: line 1
0.166667, NO, 0		3, -1.65, 0.1875, NO, 0,	4, -1.65,	: LOAD1, DIST1, LOAD2, DIST2, ...
98, -0.55, 0.166667, NO, 0,	99, -0.55,	0.1875, NO, 0		: user: from line 2
0.166667, NO, 0		5, -1.65, 0.1875, NO, 0,	6, -1.65,	: if Moving Load Code is CANADA
100, -0.55, 0.166667, NO, 0,	101, -0.55,	0.1875, NO, 0		: NAME=NAME, 1, TYPE=NAME, DLA, CODE, [DYNA]
0.166667, NO, 0		245, -1.65, 0.1875, NO, 0,	7, -1.65,	: standard
102, -0.55, 0.166667, NO, 0,	103, -0.55,	0.1875, NO, 0		: NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2),
0.166667, NO, 0		8, -1.65, 0.1875, NO, 0,	9, -1.65,	PLV(D2), NDIST, [DYNA] : user: line 1
104, -0.55, 0.166667, NO, 0,	105, -0.55,	0.1875, NO, 0		: LOAD1, DIST1, LOAD2, DIST2, ...
0.166667, NO, 0		10, -1.65, 0.1875, NO, 0,	11, -1.65,	: user: from line 2
106, -0.55, 0.166667, NO, 0,	107, -0.55,	0.1875, NO, 0		: [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE
0.166667, NO, 0		12, -1.65, 0.1875, NO, 0,	13, -1.65,	: Dynamic Load Allowance
108, -0.55, 0.166667, NO, 0,	109, -0.55,	0.1875, NO, 0		: if Moving Load Code is BS
0.166667, NO, 0		14, -1.65, 0.1875, NO, 0,	15, -1.65,	: NAME=NAME, 1, TYPE=NAME, CODE, UNITNUM
110, -0.55, 0.166667, NO, 0,	111, -0.55,	0.1875, NO, 0		: standard
0.166667, NO, 0		16, -1.65, 0.1875, NO, 0,	17, -1.65,	: NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4
112, -0.55, 0.166667, NO, 0,	113, -0.55,	0.166667, NO, 0		: HA, HA & HB, HA & HB(Auto)
0.166667, NO, 0		18, -1.65, 0.166667, NO, 0,	19, -1.65,	: NAME=NAME, 2, ISTYPE, W1, W2, W3, L, Pa, Pb, D1,
114, -0.55, 0.166667, NO, 0,	115, -0.55,	0.166667, NO, 0		D2, d, UNITNUM : user(BS 5400)
0.166667, NO, 0		20, -1.65, 0.166667, NO, 0,	21, -1.65,	: NAME=NAME, 2, ISTYPE, [BD37/01-HA],
116, -0.55, 0.166667, NO, 0,	117, -0.55,	0.166667, NO, 0		[BS-DATA-LF] : user(HA)
0.166667, NO, 0		22, -1.65, 0.166667, NO, 0,	23, -1.65,	: NAME=NAME, 2, ISTYPE, [BS-DATA-HB]
118, -0.55, 0.166667, NO, 0,	249, -0.55,	0.166667, NO, 0		: user(HB)
0.166667, NO, 0		24, -1.65, 0.166667, NO, 0,	25, -1.65,	: NAME=NAME, 2, ISTYPE, [BD37/01-HA2],
119, -0.55, 0.166667, NO, 0,	120, -0.55,	0.166667, NO, 0		[BS-DATA-HB2], [BS-DATA-LF] : user(HA&HB)
0.166667, NO, 0		26, -1.65, 0.166667, NO, 0,	27, -1.65,	: NAME=NAME, 2, ISTYPE, [BD37/01-HA],
121, -0.55, 0.166667, NO, 0,	122, -0.55,	0.166667, NO, 0		[BD37/01-HB], [BS-DATA-LF] : user(HA&HB(AUTO))
0.166667, NO, 0		28, -1.65, 0.166667, NO, 0,	29, -1.65,	: NAME=NAME, 2, ISTYPE, W, L
123, -0.55, 0.166667, NO, 0,	124, -0.55,	0.166667, NO, 0		: user(Pedestrian)
0.166667, NO, 0		30, -1.65, 0.166667, NO, 0,	31, -1.65,	: NAME=NAME, 2, ISTYPE, V, AN, MINS, MAXS, P1, D1,
NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO		0.166667, NO, 0		P2, D2, ... : user(Special Vehicle)
125, -1.1, 0.1875, YES, 0,	126, -1.1,	0.166667, NO, 0		: [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa
0.1875, NO, 0		0.166667, NO, 0		: [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
127, -1.1, 0.1875, NO, 0,	128, -1.1, 0.1875,	0.166667, NO, 0		: [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
NO, 0	0.1875,	0.166667, NO, 0		: [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
129, -1.1, 0.1875, NO, 0,	130, -1.1, 0.1875,	0.166667, NO, 0		: [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
NO, 0	0.1875,	0.166667, NO, 0		: if Moving Load Code is EUROC CODE
247, -1.1, 0.1875, NO, 0,	131, -1.1, 0.1875,	0.166667, NO, 0		: NAME=NAME, 1, ITYPE, TYPE=NAME, PSY1, PSY2, PHI,
NO, 0	0.1875,	0.166667, NO, 0		[AF7] : standard (LM1, FLM1)
132, -1.1, 0.1875, NO, 0,	133, -1.1, 0.1875,	0.166667, NO, 0		: NAME=NAME, 1, ITYPE, TYPE=NAME, bDF, bU, PHI,
NO, 0	0.1875,	0.166667, NO, 0		PSY, ADJ, IN : standard (others)
134, -1.1, 0.1875, NO, 0,	135, -1.1, 0.1875,	0.166667, NO, 0		: NAME=NAME, 2, 1, [AF7]
NO, 0	0.1875,	0.166667, NO, 0		: user(Type 1)
136, -1.1, 0.1875, NO, 0,	137, -1.1, 0.1875,	0.166667, NO, 0		: [LOAD7], D, PHI, TPSY, UPSY
NO, 0	0.1875,	0.166667, NO, 0		: user(Type 1): line 2
138, -1.1, 0.1875, NO, 0,	139, -1.1, 0.1875,	0.166667, NO, 0		: NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1,
NO, 0	0.1875,	0.166667, NO, 0		P2, D2, ... : user(Type 2)
140, -1.1, 0.1875, NO, 0,	141, -1.1,	0.166667, NO, 0		: NAME=NAME, 2, 3
0.166667, NO, 0		0.166667, NO, 0		: user(Type 3)
142, -1.1, 0.166667, NO, 0,	143, -1.1,	0.166667, NO, 0		: [LOADCASE1]
0.166667, NO, 0		0.166667, NO, 0		: user(Type 3): line 2
144, -1.1, 0.166667, NO, 0,	145, -1.1,	0.166667, NO, 0		: [LOADCASE2]
0.166667, NO, 0		0.166667, NO, 0		: user(Type 3): line 3
146, -1.1, 0.166667, NO, 0,	147, -1.1,	0.166667, NO, 0		: [LOADCASE3]
0.166667, NO, 0		0.166667, NO, 0		: user(Type 3): line 4
148, -1.1, 0.166667, NO, 0,	149, -1.1,	0.166667, NO, 0	248, -1.65,	: NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI,
0.166667, NO, 0		0.166667, NO, 0		F, P1, D1, P2, D2, ... : user(Type 4)
150, -1.1, 0.166667, NO, 0,	151, -1.1,	0.166667, NO, 0		: NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2
0.166667, NO, 0		0.166667, NO, 0		: user(Type 5)
152, -1.1, 0.166667, NO, 0,	153, -1.1,	0.166667, NO, 0		: [VEHICLE1]
0.166667, NO, 0		0.166667, NO, 0		: user(Type 5): line 2
154, -1.1, 0.166667, NO, 0,	155, -1.1,	0.166667, NO, 0	62, -1.65,	: [VEHICLE2]
0.166667, NO, 0		0.166667, NO, 0		

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: user(Type 5): line 3
: [VEHICLE3]
: user(Type 5): line 4
: [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4
: adjustment factor
: [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4
: tandem/udl loads
: [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2,
... : load case
: [VEHICLE] : bUSE, N, P1, L1, P2, L2, ...
: vehicle
: if Moving Load Code is RUSSIA
: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
bFATI, nLOADFAC, dLOADFAC : standard (SK)
: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
bFATI, nLOADFAC, dLOADFAC : standard (SK
FATIGUE)
: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
dDYNAFAC_UDL
: bFATI, nLOADFAC, dLOADFAC,
dLOADFAC_UDL, s1, s1_UDL : standard (AK)
: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
nLOADFAC, dLOADFAC,
: bTWOVEHI, TWOVEHI_FACT,
b2NDREDUC, 2NDREDUC_FACT : standard (N14)
: NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC,
nLOADFAC, dLOADFAC,
: bTWOVEHI, TWOVEHI_FACT,
b2NDREDUC, 2NDREDUC_FACT : standard (N11)
: NAME=NAME, 1, ITYPE, nDYNAFAC, dDYNAFAC,
dEMPTYCAR
: bFATI, nLOADFAC, dLOADFAC,
: standard (SUBWAY TRAINS)
: NAME=NAME, 1, ITYPE, VARIABLE, nDYNAFAC,
dDYNAFAC, dEMPTYCAR
: bFATI, nLOADFAC, dLOADFAC,
: standard (TRAMCARS)
: NAME=NAME, 1, ITYPE, nDYNAFAC, dDYNAFAC, bFATI,
nLOADFAC, dLOADFAC : standard (NK-80)
: NAME=NAME, 1, ITYPE, W, D, nDYNAFAC, dDYNAFAC,
bFATI, nLOADFAC, dLOADFAC : standard (NG-60)
: NAME=NAME, 1, ITYPE, BRIDGETYPE, W, bFATI,
nLOADFAC, dLOADFAC : standard (UNIFORM
LOAD)
: NAME=NAME, 1, ITYPE, BRIDGETYPE, W, bFATI,
nLOADFAC, dLOADFAC : standard (UNIFORM
LOAD(W/O OTHER LOADS))
: NAME=NAME, 1, ITYPE, BRIDGETYPE, P
: standard (CONCENTRATED LOAD
(W/O 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)

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:
: 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
*MYLDCASE : 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, 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
VL, DL-24, 1, 1, 3, L1, L2, L3
NAME=활하중(DB), NO, 1, 1, 0.9, 0.75, 0.75, 0.75,
INDEPENDENT, , 0, 2
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, 3
1, 1, 1, 1, 1, 0.5, 0.25
VL, DL-24, 1, 1, 3, L1, L2, L3
*SM-GROUP : Settlement Group
: GRNAME, DISPLACEMENT, NODE_LIST
P3, -0.01, 2 128
P4, -0.01, 17 143
P5, -0.01, 40 168
A2, -0.01, 60 188
*SMLDCASE : Settlement Load Cases
: NAME=NAME, iSMIN, iSMAX, SCALE, DESC : line 1
: GRNAME1, GRNAME2, ... : from line 2
NAME=지점침하, 1, 3, 1,
P3, P4, P5, 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, 슬래브 하중, 1
NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
ST, "포장, 방호벽 하중", 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, 192, 128, 0, 146, 0, 255, 255, 255, 87
ST, 슬래브 하중, 160, 192, 255, 0, 128, 128, 78, 0, 255
ST, "포장, 방호벽 하중", 0, 128, 192, 192, 0, 128, 128,
192, 0
ST, 단위모멘트, 255, 0, 128, 128, 192, 0, 0, 128, 192
MV, 활하중, 192, 128, 0, 255, 255, 255, 128, 192, 0
CB, 합성전, 192, 0, 192, 0, 128, 192, 163, 160, 255
CB, 합성후, 0, 157, 192, 160, 255, 255, 93, 255, 87
SM, 지점침하, 255, 0, 192, 192, 128, 0, 192, 192, 0
MV, 활하중(DB), 0, 192, 128, 163, 255, 160, 85, 0, 192
MV, 활하중(DL), 255, 87, 128, 255, 87, 128, 0, 128, 128
CB, 고정하중, 0, 192, 128, 192, 0, 192, 160, 255, 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

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: [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, 0.0000e+000, , 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,
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, 0.0000e+000, , 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,
*SECTION MANAGER-GROUP & PART : Section
Manager - Group & Part
: SECT = NO, bSAMEJ
: line 1
: GRPDISIZE, GRPDJSIZE, PARTISIZE, PARTJSIZE
: line 2
:
: LOOP UTIL (GRPDISIZE, GRPDJSIZE)
:
: GROUPID, GROUPNAME, GROUPTYPE
: line n
:
: LOOP UTIL (PARTISIZE, PARTJSIZE)
:
: PARTTYPE, GROUPID, PARTNAME, PARTSHAPE,
bSTIFFENER : line n
: LINESIZE, LINEINDEX[i].....
: line n
:
SECT=1, YES
0, 0, 0, 0
SECT=2, YES
0, 0, 0, 0
SECT=3, YES
0, 0, 0, 0
SECT=4, YES
0, 0, 0, 0
SECT=5, YES
0, 0, 0, 0
SECT=6, YES
0, 0, 0, 0
SECT=7, YES
0, 0, 0, 0
SECT=8, YES
0, 0, 0, 0
SECT=9, YES
0, 0, 0, 0
SECT=10, YES
0, 0, 0, 0
SECT=11, YES
0, 0, 0, 0
SECT=12, YES
0, 0, 0, 0
SECT=13, YES
0, 0, 0, 0
SECT=14, YES
0, 0, 0, 0
SECT=15, YES
0, 0, 0, 0
SECT=16, YES
0, 0, 0, 0
SECT=17, YES
0, 0, 0, 0
SECT=18, YES
0, 0, 0, 0
SECT=19, YES
0, 0, 0, 0
SECT=20, YES
0, 0, 0, 0
SECT=21, YES
0, 0, 0, 0
SECT=22, YES
0, 0, 0, 0
SECT=23, YES
0, 0, 0, 0
*SECTION MANAGER-STIFFENER : Section Manager -
Stiffener
: SECT = NO, bSAMEJ
: line 1
: STFNISIZE, STFNJSIZE
: line 2
:

```

```
;          LOOP  UTIL  (STFNISIZE, STFNJSIZE)
;          ;
;          TYPE, Z, STANDREF, POSLINE, STANDREFL,
NUM, CTC          ; line n
;          STIFFTYPE, dSIZE(0 ~ 20)
;          ; line n
;          LINESIZE, LINEINDEX[i].....
;          ; line n
; ..... ;

SECT=1, YES
0, 0
SECT=2, YES
0, 0
SECT=3, YES
0, 0
SECT=4, YES
0, 0
SECT=5, YES
0, 0
SECT=6, YES
0, 0
SECT=7, YES
0, 0
SECT=8, YES
0, 0
SECT=9, YES
0, 0
SECT=10, YES
0, 0
SECT=11, YES
0, 0
SECT=12, YES
0, 0
SECT=13, YES
0, 0
SECT=14, YES
0, 0
SECT=15, YES
0, 0
SECT=16, YES
0, 0
SECT=17, YES
0, 0
SECT=18, YES
0, 0
SECT=19, YES
0, 0
SECT=20, YES
0, 0
SECT=21, YES
0, 0
SECT=22, YES
0, 0
SECT=23, YES
0, 0
*ENDDATA
```

■ 청도천2교 대구방향(P2) 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, 28.666
2, 1.8, 0, 28.666
3, 2, 0, 28.666
4, 3.05, 0, 28.666
5, 4.3, 0, 28.666
6, 7.3, 0, 28.666
7, 8.55, 0, 28.666
8, 9.6, 0, 28.666
9, 9.8, 0, 28.666
10, 11.6, 0, 28.666
11, 3.05, 0, 0
12, 8.55, 0, 0
13, 3.05, 0, 27.466
14, 8.55, 0, 27.466
*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,
iLXAXIS : 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, 2, 3, 4, 0, 0
4, BEAM, 1, 2, 4, 5, 0, 0
5, BEAM, 1, 2, 5, 6, 0, 0
6, BEAM, 1, 2, 6, 7, 0, 0
7, BEAM, 1, 2, 7, 8, 0, 0
8, BEAM, 1, 2, 8, 9, 0, 0
9, BEAM, 1, 1, 9, 10, 0, 0
10, BEAM, 1, 3, 13, 11, 0, 0
11, BEAM, 1, 3, 14, 12, 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, 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, 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_LIN, 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_LIN1, 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_LIN2, 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], Wl, 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
: [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, EgDdEsB, 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]
```

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: 5th line
: [SIZE-D]
: 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgDdEsB, 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(iCELL, 2CELL), 13(3CELL), 9(PSCM),
8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
: [SIZE-A] : 6(iCELL, 2CELL), 10(3CELL), 10(PSCM),
6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
: [SIZE-B] : 6(iCELL, 2CELL), 12(3CELL), 6(PSCM),
6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
: [SIZE-C] : 10(iCELL, 2CELL), 13(3CELL), 9(PSCM),
10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
: [SIZE-D] : 8(iCELL, 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, 코평1, CC, 0, 0, 0, 0,
0, 0, YES, SB, 2, 1.588, 2.5, 0, 0, 0, 0, 0, 0
2, DBUSER, 코평2, CC, 0, 0, 0, 0,
0, 0, YES, SB, 2, 2.4, 2.5, 0, 0, 0, 0, 0, 0
3, DBUSER, 기둥, CC, 0, 0, 0, 0,
0, 0, YES, SR, 2, 2.5, 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
*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_LIN, 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_LIN1, 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_LIN2, Cy2, Cz2 : 8th
line(STYPE=VALUE)
```

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:      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]-I
:      : 9th line(STYPE=PSC)
:      [SIZE-B]-I
:      : 10th line(STYPE=PSC)
:      [SIZE-C]-I
:      : 11th line(STYPE=PSC)
:      [SIZE-D]-I
:      : 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, EgD Esb, 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]-I
:      : 8th line(STYPE=CMP-CI/CT)
:      [SIZE-B]-I
:      : 9th line(STYPE=CMP-CI/CT)
:      [SIZE-C]-I
:      : 10th line(STYPE=CMP-CI/CT)
:      [SIZE-D]-I
:      : 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, 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, EgD Esb, 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 iCELL 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, , , , , , , , , , , CC, 0, 0, 0, 0,
0, 0, YES, SB, 2, 1.588, 2.5, 0, 0, 0, 0, 0, 0
: 2, DBUSER, , , , , , , , , , , CC, 0, 0, 0, 0,
0, 0, YES, SB, 2, 2.4, 2.5, 0, 0, 0, 0, 0, 0
: 3, DBUSER, , , , , , , , , , , CC, 0, 0, 0, 0,
0, 0, YES, SR, 2, 2.5, 0, 0, 0, 0, 0, 0, 0
*STLDCASE : Static Load Cases
: LCNNAME, 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
11 12, 111111,
*RIGIDLINK : Rigid Link
: M-NODE, DOF, S-NODE LIST, GROUP
4, 111111, 13,
7, 111111, 14,
*USE-STLD, D
: *SELFWEIGHT, X, Y, Z, GROUP
: *SELFWEIGHT, 0, 0, -1,
*CONLOAD : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
3, 0, 0, -4356.41, 0, 0, 0,
8, 0, 0, -4356.41, 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
3, 0, 0, -819.823, 0, 0, 0,
8, 0, 0, -637.317, 0, 0, 0,
: End of data for load case [L]
-----
*USE-STLD, W-TR
*CONLOAD : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
1, 18, 0, 0, 0, 0, 0,
3, 206.667, 0, 0, 0, 623.1, 0,
8, 206.667, 0, 0, 0, 623.1, 0,
*BEAMLOAD : Element Beam Loads
: ELEM_LIST, CMD, TYPE, 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
10, LINE, UNILoad, GX, NO, NO, aDir[1], . . . , 0,
3.75, 1, 3.75, 0, 0, 0, 0, NO, 0, 0, NO,
11, LINE, UNILoad, GX, NO, NO, aDir[1], . . . , 0,
1.875, 1, 1.875, 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
3, 25, 0, 0, 0, 135.75, 0,
8, 25, 0, 0, 0, 135.75, 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_J-END,
ADDITIONAL_J-END, bADDITIONAL_J-END
1, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
8.1, 0.0252778, 8.1, 0, 0, 0, 0, NO, 0, 0, NO,
1, LINE, UNILoad, GY, NO, NO, aDir[1], . . . ,
0.0252778, 8.1, 1, 8.1, 0, 0, 0, 0, NO, 0, 0, NO,
2, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, NO, 0, 0, NO,
3, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, NO, 0, 0, NO,
4, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
36, 0.338, 36, 0, 0, 0, 0, NO, 0, 0, NO,
4, LINE, UNILoad, GY, NO, NO, aDir[1], . . . ,
0.338, 36, 1, 36, 0, 0, 0, 0, NO, 0, 0, NO,
5, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
36, 0.06, 36, 0, 0, 0, 0, NO, 0, 0, NO,
5, LINE, UNILoad, GY, NO, NO, aDir[1], . . . ,
0.06, 36, 1, 36, 0, 0, 0, 0, NO, 0, 0, NO,
6, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
36, 0.9052, 36, 0, 0, 0, 0, NO, 0, 0, NO,
6, LINE, UNILoad, GY, NO, NO, aDir[1], . . . ,
0.9052, 36, 1, 36, 0, 0, 0, 0, NO, 0, 0, NO,
7, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, NO, 0, 0, NO,
8, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, NO, 0, 0, NO,
9, LINE, UNILoad, GY, NO, NO, aDir[1], . . . ,
0.976667, 8.1, 1, 8.1, 0, 0, 0, 0, NO, 0, 0, NO,
9, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
8.1, 0.976667, 8.1, 0, 0, 0, 0, NO, 0, 0, NO,
10, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
3.75, 1, 3.75, 0, 0, 0, 0, NO, 0, 0, NO,
11, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
3.75, 1, 3.75, 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, LCNNAME1, FACT1, ...
: from line 2
NAME=ULB05(교직), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, W-TR, 0.65, ST, WL, 1.3
NAME=ULB01, GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, L, 2.15
NAME=ULB03(교직), GEN, ACTIVE, 0, 0, , 0, 0
ST, L, 1.3, ST, W-TR, 1.3
NAME=ULB03(교직), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, W-LO, 1.3
*LC-COLOR : Diagram Color for Load Case
: ANAL, LCNNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN),
iG2(MIN), iB2(MIN), iR3(MAX), iG2(MAX), iB2(MAX)
ST, D, 255, 255, 255, 148, 87, 255, 192, 72, 0
ST, L, 0, 192, 192, 192, 0, 192, 192, 192, 0
ST, W-TR, 192, 72, 0, 85, 0, 192, 192, 0, 128
ST, WL, 163, 255, 160, 192, 72, 0, 255, 192, 160
ST, W-LO, 0, 192, 192, 255, 255, 255, 128, 192, 0
CB, ULB05(교직), 93, 255, 87, 0, 192, 128, 255, 160,
255
CB, ULB01, 255, 0, 192, 255, 160, 255, 255, 255, 87
CB, ULB03(교직), 0, 128, 255, 160, 192, 255, 93, 255,
87
CB, ULB03(교직), 192, 72, 0, 163, 255, 160, 192, 192,
192
*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(RC), FYS
1, CONC, C24
, NO, 1, . . . , 0, 0, 16800, NO, 0,
0,
, , , , 0, NO, 1, . . .
0, 0, 0
*ENDDATA

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■ 청도천2교 대구방향(P4) 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, 24.711
2, 1.8, 0, 24.711
3, 2, 0, 24.711
4, 3.05, 0, 24.711
5, 4.3, 0, 24.711
6, 7.3, 0, 24.711
7, 8.55, 0, 24.711
8, 9.6, 0, 24.711
9, 9.8, 0, 24.711
10, 11.6, 0, 24.711
11, 3.05, 0, 0
12, 8.55, 0, 0
13, 3.05, 0, 23.511
14, 8.55, 0, 23.511
*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, 2, 3, 4, 0, 0
4, BEAM , 1, 2, 4, 5, 0, 0
5, BEAM , 1, 2, 5, 6, 0, 0
6, BEAM , 1, 2, 6, 7, 0, 0
7, BEAM , 1, 2, 7, 8, 0, 0
8, BEAM , 1, 2, 8, 9, 0, 0
9, BEAM , 1, 1, 9, 10, 0, 0
10, BEAM , 1, 3, 13, 11, 0, 0
11, BEAM , 1, 3, 14, 12, 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, 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)
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: 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], Wl, 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, EgDdEsb, 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, EgDdEsb, 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(iCELL, 2CELL), 13(3CELL), 9(PSCM),
8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
: [SIZE-A] : 6(iCELL, 2CELL), 10(3CELL), 10(PSCM),
6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
: [SIZE-B] : 6(iCELL, 2CELL), 12(3CELL), 6(PSCM),
6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
: [SIZE-C] : 10(iCELL, 2CELL), 13(3CELL), 9(PSCM),
10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
: [SIZE-D] : 8(iCELL, 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, 1.588, 2.5, 0, 0, 0, 0, 0, 0
2, DBUSER , 코핑2 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 2.4, 2.5, 0, 0, 0, 0, 0, 0
3, DBUSER , 기둥 , CC, 0, 0, 0, 0,
0, 0, YES, SR , 2, 2.5, 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
*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)
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;      CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
PERL_OUT2, PERL_IN2, Cy2, Cz2      : 8th
line(STYPE=VALUE)
;      Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,
Zzz2      : 9th line(STYPE=VALUE)
;      OPT1, OPT2, [JOINT]
;      : 2nd line(STYPE=PSC)
;      ELAST, DEN, POIS, POIC, THERMAL
;      : 2nd line(STYPE=PSC-CMPW)
;      bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
[WT-J], WL, 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
;      : [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

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;      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, 1.588, 2.5, 0, 0, 0, 0, 0, 0
; 2, DBUSER      , 코핑2      , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 2.4, 2.5, 0, 0, 0, 0, 0, 0
; 3, DBUSER      , 기둥      , CC, 0, 0, 0, 0,
0, 0, YES, SR , 2, 2.5, 0, 0, 0, 0, 0, 0
; 0, 0, YES, SR , 2, 2.5, 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
; 11, 12, 111111,
*RIGIDLINK      : Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
; 4, 111111, 13,
; 7, 111111, 14,
*USE-STLD, D
; *SELFWEIGHT, X, Y, Z, GROUP
; *SELFWEIGHT, 0, 0, -1,
*CONLOAD      : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
; 3, 0, 0, -4560.78, 0, 0, 0,
8, 0, 0, -4560.78, 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
; 3, 0, 0, -575.908, 0, 0, 0,
8, 0, 0, -852.819, 0, 0, 0,
; End of data for load case [L]
-----
*USE-STLD, W-TR
*CONLOAD      : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
; 1, 20.28, 0, 0, 0, 0, 0,
3, 206.667, 0, 0, 0, 654.513, 0,
8, 206.667, 0, 0, 0, 654.513, 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
; 10, LINE      , UNILoad, GX, NO      , NO, aDir[1], . . . , 0,
3.75, 1, 3.75, 0, 0, 0, 0, . NO, 0, 0, NO,
; 11, LINE      , UNILoad, GX, NO      , NO, aDir[1], . . . , 0,
1.875, 1, 1.875, 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
; 3, 25, 0, 0, 0, 139.55, 0,
8, 25, 0, 0, 0, 139.55, 0,
; End of data for load case [WL]

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-----
*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,
8.1, 0.0213889, 8.1, 0, 0, 0, 0, . NO, 0, 0, NO,
; 1, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . ,
0.0213889, 8.1, 1, 8.1, 0, 0, 0, 0, . NO, 0, 0, NO,
; 2, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, . NO, 0, 0, NO,
; 3, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, . NO, 0, 0, NO,
; 4, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . , 0,
36, 0.014, 36, 0, 0, 0, 0, . NO, 0, 0, NO,
; 4, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . ,
0.014, 36, 1, 36, 0, 0, 0, 0, . NO, 0, 0, NO,
; 5, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . , 0,
36, 0.0113333, 36, 0, 0, 0, 0, . NO, 0, 0, NO,
; 5, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . ,
0.0113333, 36, 1, 36, 0, 0, 0, 0, . NO, 0, 0, NO,
; 6, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . , 0,
36, 0.9588, 36, 0, 0, 0, 0, . NO, 0, 0, NO,
; 6, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . ,
0.9588, 36, 1, 36, 0, 0, 0, 0, . NO, 0, 0, NO,
; 7, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, . NO, 0, 0, NO,
; 8, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, . NO, 0, 0, NO,
; 9, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . ,
0.946389, 8.1, 1, 8.1, 0, 0, 0, 0, . NO, 0, 0, NO,
; 9, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . , 0,
8.1, 0.946389, 8.1, 0, 0, 0, 0, . NO, 0, 0, NO,
; 10, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . , 0,
3.75, 1, 3.75, 0, 0, 0, 0, . NO, 0, 0, NO,
; 11, LINE      , UNILoad, GY, NO      , NO, aDir[1], . . . , 0,
3.75, 1, 3.75, 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(교차), GEN, ACTIVE, 0, 0, . 0, 0
; ST, L, 1.3, ST, W-TR, 1.3
; NAME=ULB05(교차), GEN, ACTIVE, 0, 0, . 0, 0
; ST, D, 1.3, ST, W-LO, 0.65
*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, 255, 255, 255, 148, 87, 255, 192, 72, 0
; ST, L, 0, 192, 192, 192, 0, 192, 192, 192, 0
; ST, W-TR, 192, 72, 0, 85, 0, 192, 192, 0, 128
; ST, WL, 163, 255, 160, 192, 72, 0, 255, 192, 160
; ST, W-LO, 0, 192, 192, 255, 255, 255, 128, 192, 0
; CB, ULB01, 255, 0, 192, 255, 160, 255, 255, 255, 87
; CB, ULB03(교차), 0, 128, 255, 160, 192, 255, 93, 255,
87
; CB, ULB05(교차), 192, 72, 0, 163, 255, 160, 192, 192,
192
*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
*ENDDATA

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■ 청도천2교 부산방향(P2) 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, 29.025
2, 1.8, 0, 29.025
3, 2, 0, 29.025
4, 3.05, 0, 29.025
5, 4.3, 0, 29.025
6, 7.3, 0, 29.025
7, 8.55, 0, 29.025
8, 9.6, 0, 29.025
9, 9.8, 0, 29.025
10, 11.6, 0, 29.025
11, 3.05, 0, 0
12, 8.55, 0, 0
13, 3.05, 0, 27.825
14, 8.55, 0, 27.825
*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, 2, 3, 4, 0, 0
4, BEAM , 1, 2, 4, 5, 0, 0
5, BEAM , 1, 2, 5, 6, 0, 0
6, BEAM , 1, 2, 6, 7, 0, 0
7, BEAM , 1, 2, 7, 8, 0, 0
8, BEAM , 1, 2, 8, 9, 0, 0
9, BEAM , 1, 1, 9, 10, 0, 0
10, BEAM , 1, 3, 13, 11, 0, 0
11, BEAM , 1, 3, 14, 12, 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, 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], Wl, 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, EgD E sb, 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, EgD E sb, 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 , 코팅1 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 1.588, 2.5, 0, 0, 0, 0, 0, 0
2, DBUSER , 코팅2 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 2.4, 2.5, 0, 0, 0, 0, 0, 0
3, DBUSER , 기동 , CC, 0, 0, 0, 0,
0, 0, YES, SR , 2, 2.5, 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
*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
```

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: 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
: [SIZE-B]-I
: [SIZE-C]-I
: [SIZE-D]-I
: [SIZE-A]-I
: [SIZE-B]-I
: [SIZE-C]-I
: [SIZE-D]-I
: 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_j, tw_i, B_j, Bf1_i, tf1_i, 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_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]-I
: 8th line(STYPE=CMP-CI/CT)
: [SIZE-B]-I
: 9th line(STYPE=CMP-CI/CT)
: [SIZE-C]-I
: 10th line(STYPE=CMP-CI/CT)
: [SIZE-D]-I
: 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]
: [SIZE-B]
: [SIZE-C]
: [SIZE-D]
: 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb,
Pgd, Psb : 7th line
```

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*CONLOAD : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
: 3, 25, 0, 0, 0, 139.375, 0,
8, 25, 0, 0, 0, 139.375, 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, GX, NO , NO, aDir[1], . . . , 0,
8.1, 1, 8.1, 0, 0, 0, 0, , NO, 0, 0, NO,
: 2, LINE , UNILoad, GX, NO , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, , NO, 0, 0, NO,
: 3, LINE , UNILoad, GX, NO , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, , NO, 0, 0, NO,
: 4, LINE , UNILoad, GX, NO , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, , NO, 0, 0, NO,
: 5, LINE , UNILoad, GX, NO , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, , NO, 0, 0, NO,
: 6, LINE , UNILoad, GX, NO , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, , NO, 0, 0, NO,
: 7, LINE , UNILoad, GX, NO , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, , NO, 0, 0, NO,
: 8, LINE , UNILoad, GX, NO , NO, aDir[1], . . . , 0,
36, 1, 36, 0, 0, 0, 0, , NO, 0, 0, NO,
: 9, LINE , UNILoad, GX, NO , NO, aDir[1], . . . , 0,
8.1, 1, 8.1, 0, 0, 0, 0, , NO, 0, 0, NO,
: 10, LINE , UNILoad, GX, NO , NO, aDir[1], . . . , 0,
3.75, 1, 3.75, 0, 0, 0, 0, , NO, 0, 0, NO,
: 11, LINE , UNILoad, GX, NO , NO, aDir[1], . . . , 0,
3.75, 1, 3.75, 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=ULB05(교직), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, W-TR, 0.65, ST, WL, 1.3
NAME=ULB01, GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, L, 2.15
NAME=ULB03(교직), GEN, ACTIVE, 0, 0, , 0, 0
ST, L, 1.3, ST, W-TR, 1.3
NAME=ULB03(교축), GEN, ACTIVE, 0, 0, , 0, 0
ST, D, 1.3, ST, W-LO, 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, 255, 255, 255, 148, 87, 255, 192, 72, 0
ST, L, 0, 192, 192, 192, 0, 192, 192, 192, 0
ST, W-TR, 192, 72, 0, 85, 0, 192, 192, 0, 128
ST, WL, 163, 255, 160, 192, 72, 0, 255, 192, 160
ST, W-LO, 0, 192, 192, 255, 255, 128, 192, 0
CB, ULB05(교직), 93, 255, 87, 0, 192, 128, 255, 160,
255
CB, ULB01, 255, 0, 192, 255, 160, 255, 255, 255, 87
CB, ULB03(교직), 0, 128, 255, 160, 192, 255, 93, 255,
87
CB, ULB03(교축), 192, 72, 0, 163, 255, 160, 192, 192,
192
*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),
192 ,C24 , NO, 1, . . . , 0, 0, 16800, NO, 0,
0, , , , NO, 0, 1, . . .
0, 0, 0
*ENDDATA
```

■ 청도천2교 부산방향(P4) 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, 25.9
2, 1.8, 0, 25.9
3, 2, 0, 25.9
4, 3.05, 0, 25.9
5, 4.3, 0, 25.9
6, 7.3, 0, 25.9
7, 8.55, 0, 25.9
8, 9.6, 0, 25.9
9, 9.8, 0, 25.9
10, 11.6, 0, 25.9
11, 3.05, 0, 0
12, 8.55, 0, 0
13, 3.05, 0, 24.7
14, 8.55, 0, 24.7
*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, 2, 3, 4, 0, 0
4, BEAM , 1, 2, 4, 5, 0, 0
5, BEAM , 1, 2, 5, 6, 0, 0
6, BEAM , 1, 2, 6, 7, 0, 0
7, BEAM , 1, 2, 7, 8, 0, 0
8, BEAM , 1, 2, 8, 9, 0, 0
9, BEAM , 1, 1, 9, 10, 0, 0
10, BEAM , 1, 3, 13, 11, 0, 0
11, BEAM , 1, 3, 14, 12, 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, 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, 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)
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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_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, EgDsb, 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]
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: 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 - 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(iCELL, 2CELL), 13(3CELL), 9(PSCM),
8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
: [SIZE-A] : 6(iCELL, 2CELL), 10(3CELL), 10(PSCM),
6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
: [SIZE-B] : 6(iCELL, 2CELL), 12(3CELL), 6(PSCM),
6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
: [SIZE-C] : 10(iCELL, 2CELL), 13(3CELL), 9(PSCM),
10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
: [SIZE-D] : 8(iCELL, 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, 1.588, 2.5, 0, 0, 0, 0, 0, 0, 0
2, DBUSER , 코핑2 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 2.4, 2.5, 0, 0, 0, 0, 0, 0, 0
3, DBUSER , 기둥 , CC, 0, 0, 0, 0,
0, 0, YES, SR , 2, 2.5, 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
*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)
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