

■ 원정교 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, 7.8, 0, 0
4, 8.43, 0, 0
5, 10, 0, 0
6, 11.25, 0, 0
7, 15, 0, 0
8, 19.06, 0, 0
9, 19.685, 0, 0
10, 20, 0, 0
11, 22.2, 0, 0
12, 25, 0, 0
13, 27.812, 0, 0
14, 28.75, 0, 0
15, 30, 0, 0
16, 30.312, 0, 0
17, 30.937, 0, 0
18, 35, 0, 0
19, 40, 0, 0
20, 45, 0, 0
21, 46.563, 0, 0
22, 47.188, 0, 0
23, 50, 0, 0
24, 54.688, 0, 0
25, 55, 0, 0
26, 59.5, 0, 0
27, 60, 0, 0
28, 0, -7.5, 0
29, 5, -7.5, 0
30, 7.8, -7.5, 0
31, 8.43, -7.5, 0
32, 10, -7.5, 0
33, 11.25, -7.5, 0
34, 15, -7.5, 0
35, 19.06, -7.5, 0
36, 19.685, -7.5, 0
37, 20, -7.5, 0
38, 22.2, -7.5, 0
39, 25, -7.5, 0
40, 27.812, -7.5, 0
41, 28.75, -7.5, 0
42, 30, -7.5, 0
43, 30.312, -7.5, 0
44, 30.937, -7.5, 0
45, 35, -7.5, 0
46, 40, -7.5, 0
47, 45, -7.5, 0
48, 46.563, -7.5, 0
49, 47.188, -7.5, 0
50, 50, -7.5, 0
51, 54.688, -7.5, 0
52, 55, -7.5, 0
53, 59.5, -7.5, 0
54, 60, -7.5, 0
55, 0, -3.75, 0
56, 5, -3.75, 0
57, 7.8, -3.75, 0
58, 8.43, -3.75, 0
59, 10, -3.75, 0
60, 11.25, -3.75, 0
61, 15, -3.75, 0
62, 19.06, -3.75, 0
63, 19.685, -3.75, 0
64, 20, -3.75, 0
65, 22.2, -3.75, 0
66, 25, -3.75, 0
67, 27.812, -3.75, 0
68, 28.75, -3.75, 0
69, 30, -3.75, 0
70, 30.312, -3.75, 0
71, 30.937, -3.75, 0
72, 35, -3.75, 0
73, 40, -3.75, 0
74, 45, -3.75, 0
75, 46.563, -3.75, 0
76, 47.188, -3.75, 0
77, 50, -3.75, 0
78, 54.688, -3.75, 0

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79, 55, -3.75, 0
80, 59.5, -3.75, 0
81, 60, -3.75, 0
82, -5, 0, 0
83, -7.8, 0, 0
84, -8.43, 0, 0
85, -10, 0, 0
86, -11.25, 0, 0
87, -15, 0, 0
88, -19.06, 0, 0
89, -19.685, 0, 0
90, -20, 0, 0
91, -22.2, 0, 0
92, -25, 0, 0
93, -27.812, 0, 0
94, -28.75, 0, 0
95, -30, 0, 0
96, -30.312, 0, 0
97, -30.937, 0, 0
98, -35, 0, 0
99, -40, 0, 0
100, -45, 0, 0
101, -46.563, 0, 0
102, -47.188, 0, 0
103, -50, 0, 0
104, -54.688, 0, 0
105, -55, 0, 0
106, -59.5, 0, 0
107, -60, 0, 0
108, -5, -7.5, 0
109, -7.8, -7.5, 0
110, -8.43, -7.5, 0
111, -10, -7.5, 0
112, -11.25, -7.5, 0
113, -15, -7.5, 0
114, -19.06, -7.5, 0
115, -19.685, -7.5, 0
116, -20, -7.5, 0
117, -22.2, -7.5, 0
118, -25, -7.5, 0
119, -27.812, -7.5, 0
120, -28.75, -7.5, 0
121, -30, -7.5, 0
122, -30.312, -7.5, 0
123, -30.937, -7.5, 0
124, -35, -7.5, 0
125, -40, -7.5, 0
126, -45, -7.5, 0
127, -46.563, -7.5, 0
128, -47.188, -7.5, 0
129, -50, -7.5, 0
130, -54.688, -7.5, 0
131, -55, -7.5, 0
132, -59.5, -7.5, 0
133, -60, -7.5, 0
134, -5, -3.75, 0
135, -7.8, -3.75, 0
136, -8.43, -3.75, 0
137, -10, -3.75, 0
138, -11.25, -3.75, 0
139, -15, -3.75, 0
140, -19.06, -3.75, 0
141, -19.685, -3.75, 0
142, -20, -3.75, 0
143, -22.2, -3.75, 0
144, -25, -3.75, 0
145, -27.812, -3.75, 0
146, -28.75, -3.75, 0
147, -30, -3.75, 0
148, -30.312, -3.75, 0
149, -30.937, -3.75, 0
150, -35, -3.75, 0
151, -40, -3.75, 0
152, -45, -3.75, 0
153, -46.563, -3.75, 0
154, -47.188, -3.75, 0
155, -50, -3.75, 0
156, -54.688, -3.75, 0
157, -55, -3.75, 0
158, -59.5, -3.75, 0
159, -60, -3.75, 0
160, 46.875, 0, 0
161, 46.875, -7.5, 0
162, -46.875, 0, 0
163, -46.875, -7.5, 0

*ELEMENT : Elements
: IEL, TYPE, IMAT, IPRO, IN1, IN2, ANGLE, ISUB, EXVAL,
IOPT(EXVAL2) : Frame Element
: IEL, TYPE, IMAT, IPRO, IN1, IN2, ANGLE, ISUB, EXVAL,
EXVAL2, bLMT : Comp/Tens Truss
: IEL, TYPE, IMAT, IPRO, IN1, IN2, IN3, IN4, ISUB, IWID,
LCAXIS : Planar Element
: IEL, TYPE, IMAT, IPRO, IN1, IN2, IN3, IN4, IN5, IN6, IN7,
IN8 : Solid Element
: IEL, TYPE, IMAT, IPRO, IN1, IN2, REF, RPX, RPY, RPZ,
ISUB, EXVAL : Frame(Ref. Point)
1, BEAM, 1, 14, 1, 2, 0, 0

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2, BEAM, 1, 14, 2, 3, 0, 0
3, BEAM, 1, 5, 3, 4, 0, 0
4, BEAM, 1, 13, 4, 5, 0, 0
5, BEAM, 1, 13, 5, 6, 0, 0
6, BEAM, 1, 12, 6, 7, 0, 0
7, BEAM, 1, 12, 7, 8, 0, 0
8, BEAM, 1, 11, 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, 10, 12, 13, 0, 0
13, BEAM, 1, 9, 13, 14, 0, 0
14, BEAM, 1, 8, 14, 15, 0, 0
15, BEAM, 1, 8, 15, 16, 0, 0
16, BEAM, 1, 7, 16, 17, 0, 0
17, BEAM, 1, 6, 17, 18, 0, 0
18, BEAM, 1, 5, 18, 19, 0, 0
19, BEAM, 1, 5, 19, 20, 0, 0
20, BEAM, 1, 5, 20, 21, 0, 0
21, BEAM, 1, 4, 21, 160, 0, 0
22, BEAM, 1, 3, 22, 23, 0, 0
23, BEAM, 1, 3, 23, 24, 0, 0
24, BEAM, 1, 2, 24, 25, 0, 0
25, BEAM, 1, 1, 25, 26, 0, 0
26, BEAM, 1, 1, 26, 27, 0, 0
27, BEAM, 1, 14, 28, 29, 0, 0
28, BEAM, 1, 14, 29, 30, 0, 0
29, BEAM, 1, 5, 30, 31, 0, 0
30, BEAM, 1, 13, 31, 32, 0, 0
31, BEAM, 1, 13, 32, 33, 0, 0
32, BEAM, 1, 12, 33, 34, 0, 0
33, BEAM, 1, 12, 34, 35, 0, 0
34, BEAM, 1, 11, 35, 36, 0, 0
35, BEAM, 1, 8, 36, 37, 0, 0
36, BEAM, 1, 9, 37, 38, 0, 0
37, BEAM, 1, 10, 38, 39, 0, 0
38, BEAM, 1, 10, 39, 40, 0, 0
39, BEAM, 1, 9, 40, 41, 0, 0
40, BEAM, 1, 8, 41, 42, 0, 0
41, BEAM, 1, 8, 42, 43, 0, 0
42, BEAM, 1, 7, 43, 44, 0, 0
43, BEAM, 1, 6, 44, 45, 0, 0
44, BEAM, 1, 5, 45, 46, 0, 0
45, BEAM, 1, 5, 46, 47, 0, 0
46, BEAM, 1, 5, 47, 48, 0, 0
47, BEAM, 1, 4, 48, 161, 0, 0
48, BEAM, 1, 3, 49, 50, 0, 0
49, BEAM, 1, 3, 50, 51, 0, 0
50, BEAM, 1, 2, 51, 52, 0, 0
51, BEAM, 1, 1, 52, 53, 0, 0
52, BEAM, 1, 1, 53, 54, 0, 0
53, BEAM, 2, 16, 55, 56, 0, 0
54, BEAM, 2, 16, 56, 57, 0, 0
55, BEAM, 2, 16, 57, 58, 0, 0
56, BEAM, 2, 16, 58, 59, 0, 0
57, BEAM, 2, 16, 59, 60, 0, 0
58, BEAM, 2, 16, 60, 61, 0, 0
59, BEAM, 2, 16, 61, 62, 0, 0
60, BEAM, 2, 16, 62, 63, 0, 0
61, BEAM, 2, 16, 63, 64, 0, 0
62, BEAM, 2, 16, 64, 65, 0, 0
63, BEAM, 2, 16, 65, 66, 0, 0
64, BEAM, 2, 16, 66, 67, 0, 0
65, BEAM, 2, 16, 67, 68, 0, 0
66, BEAM, 2, 16, 68, 69, 0, 0
67, BEAM, 2, 16, 69, 70, 0, 0
68, BEAM, 2, 16, 70, 71, 0, 0
69, BEAM, 2, 16, 71, 72, 0, 0
70, BEAM, 2, 16, 72, 73, 0, 0
71, BEAM, 2, 16, 73, 74, 0, 0
72, BEAM, 2, 16, 74, 75, 0, 0
73, BEAM, 2, 16, 75, 76, 0, 0
74, BEAM, 2, 16, 76, 77, 0, 0
75, BEAM, 2, 16, 77, 78, 0, 0
76, BEAM, 2, 16, 78, 79, 0, 0
77, BEAM, 2, 16, 79, 80, 0, 0
78, BEAM, 2, 16, 80, 81, 0, 0
79, BEAM, 2, 15, 53, 80, 0, 0
80, BEAM, 2, 15, 80, 26, 0, 0
81, BEAM, 2, 15, 52, 79, 0, 0
82, BEAM, 2, 15, 79, 25, 0, 0
83, BEAM, 2, 15, 50, 77, 0, 0
84, BEAM, 2, 15, 77, 23, 0, 0
85, BEAM, 2, 15, 47, 74, 0, 0
86, BEAM, 2, 15, 74, 20, 0, 0
87, BEAM, 2, 15, 46, 73, 0, 0
88, BEAM, 2, 15, 73, 19, 0, 0
89, BEAM, 2, 15, 45, 72, 0, 0
90, BEAM, 2, 15, 72, 18, 0, 0
91, BEAM, 2, 15, 42, 69, 0, 0
92, BEAM, 2, 15, 69, 15, 0, 0
93, BEAM, 2, 15, 39, 66, 0, 0
94, BEAM, 2, 15, 66, 12, 0, 0
95, BEAM, 2, 15, 37, 64, 0, 0
96, BEAM, 2, 15, 64, 10, 0, 0
97, BEAM, 2, 15, 34, 61, 0, 0
98, BEAM, 2, 15, 61, 7, 0, 0

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99. BEAM , 2, 15, 32, 59, 0, 0	196. BEAM , 2, 15, 147, 95, 0, 0	;	[SIZE-C]-i
100. BEAM , 2, 15, 59, 5, 0, 0	197. BEAM , 2, 15, 118, 144, 0, 0	;	7th line(STYPE=PSC)
101. BEAM , 2, 15, 29, 56, 0, 0	198. BEAM , 2, 15, 144, 92, 0, 0	;	[SIZE-D]-i
102. BEAM , 2, 15, 56, 2, 0, 0	199. BEAM , 2, 15, 116, 142, 0, 0	;	8th line(STYPE=PSC)
103. BEAM , 2, 15, 28, 55, 0, 0	200. BEAM , 2, 15, 142, 90, 0, 0	;	[SIZE-A]-j
104. BEAM , 2, 15, 55, 1, 0, 0	201. BEAM , 2, 15, 113, 139, 0, 0	;	9th line(STYPE=PSC)
105. BEAM , 1, 14, 1, 82, 0, 0	202. BEAM , 2, 15, 139, 87, 0, 0	;	[SIZE-B]-j
106. BEAM , 1, 14, 82, 83, 0, 0	203. BEAM , 2, 15, 111, 137, 0, 0	;	10th line(STYPE=PSC)
107. BEAM , 1, 5, 83, 84, 0, 0	204. BEAM , 2, 15, 137, 85, 0, 0	;	[SIZE-C]-j
108. BEAM , 1, 13, 84, 85, 0, 0	205. BEAM , 2, 15, 108, 134, 0, 0	;	11th line(STYPE=PSC)
109. BEAM , 1, 13, 85, 86, 0, 0	206. BEAM , 2, 15, 134, 82, 0, 0	;	[SIZE-D]-j
110. BEAM , 1, 12, 86, 87, 0, 0	207. BEAM , 1, 4, 160, 22, 0, 0	;	12th line(STYPE=PSC)
111. BEAM , 1, 12, 87, 88, 0, 0	208. BEAM , 1, 4, 161, 49, 0, 0	;	GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
112. BEAM , 1, 11, 88, 89, 0, 0	209. BEAM , 1, 4, 162, 102, 0, 0	;	bMULTI, EsEc-L, EsEc-S ; 2nd
113. BEAM , 1, 8, 89, 90, 0, 0	210. BEAM , 1, 4, 163, 128, 0, 0	;	line(STYPE=CMP-B/I)
114. BEAM , 1, 9, 90, 91, 0, 0	*MATERIAL : Material	;	SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i,
115. BEAM , 1, 10, 91, 92, 0, 0	: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,	;	tf2_i ; 3rd line(STYPE=CMP-B/I)
116. BEAM , 1, 10, 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,
117. BEAM , 1, 9, 93, 94, 0, 0	USER	;	tf2_j ; 4th line(STYPE=CMP-B/I)
118. BEAM , 1, 8, 94, 95, 0, 0	: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,	;	N1, N2, Hr, Hr2, tr1, tr2
119. BEAM , 1, 8, 95, 96, 0, 0	bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC	;	5th line(STYPE=CMP-B)
120. BEAM , 1, 7, 96, 97, 0, 0	: [DATA1] : 1, DB, NAME, CODE	;	GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd,
121. BEAM , 1, 6, 97, 98, 0, 0	: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS	;	Psb, bSYM, SW_i, SW_j ; 2nd
122. BEAM , 1, 5, 98, 99, 0, 0	: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz,	;	line(STYPE=CMP-CI/CT)
123. BEAM , 1, 5, 99, 100, 0, 0	Pxy, Pxz, Pyz, DEN, MASS : Orthotropic	;	OPT1, OPT2, [JOINT]
124. BEAM , 1, 5, 100, 101, 0, 0	: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,	;	3rd line(STYPE=CMP-CI/CT)
125. BEAM , 1, 4, 101, 102, 0, 0	THERMAL, DEN, MASS	;	[SIZE-A]-i
126. BEAM , 1, 3, 102, 103, 0, 0	1, STEEL, SM490 , 0, 0, , C, NO, 0.02,	;	4th line(STYPE=CMP-CI/CT)
127. BEAM , 1, 3, 103, 104, 0, 0	1, KS10-Civil(S), , SM490	;	[SIZE-B]-i
128. BEAM , 1, 2, 104, 105, 0, 0	2, STEEL, SM400 , 0, 0, , C, NO, 0.02,	;	5th line(STYPE=CMP-CI/CT)
129. BEAM , 1, 1, 105, 106, 0, 0	1, KS10-Civil(S), , SM400	;	[SIZE-C]-i
130. BEAM , 1, 1, 106, 107, 0, 0	*MATL-COLOR	;	6th line(STYPE=CMP-CI/CT)
131. BEAM , 1, 14, 28, 108, 0, 0	: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,	;	[SIZE-D]-i
132. BEAM , 1, 14, 108, 109, 0, 0	HE_G, HE_B, bBLEND, FACT	;	7th line(STYPE=CMP-CI/CT)
133. BEAM , 1, 5, 109, 110, 0, 0	1, 255, 0, 0, 0, 255, 0, 0, 0, 255,	;	[SIZE-A]-j
134. BEAM , 1, 13, 110, 111, 0, 0	NO, 0.5	;	8th line(STYPE=CMP-CI/CT)
135. BEAM , 1, 13, 111, 112, 0, 0	2, 255, 0, 0, 0, 255, 0, 0, 0, 255,	;	[SIZE-B]-j
136. BEAM , 1, 12, 112, 113, 0, 0	NO, 0.5	;	9th line(STYPE=CMP-CI/CT)
137. BEAM , 1, 12, 113, 114, 0, 0	*SECTION : Section	;	[SIZE-C]-j
138. BEAM , 1, 11, 114, 115, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],	;	10th line(STYPE=CMP-CI/CT)
139. BEAM , 1, 8, 115, 116, 0, 0	[DATA2] : 1st line - DB/USER	;	[SIZE-D]-j
140. BEAM , 1, 9, 116, 117, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,	;	11th line(STYPE=CMP-CI/CT)
141. BEAM , 1, 10, 117, 118, 0, 0	..., D8, iCEL : 1st line - VALUE	;	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE1, SHAPE2
142. BEAM , 1, 10, 118, 119, 0, 0	: AREA, ASy, ASz, lxx, lyy, lzz	;	1st line - CONSTRUCT
143. BEAM , 1, 9, 119, 120, 0, 0	: 2nd line	;	SHAPE, ...(same with other type data from shape)
144. BEAM , 1, 8, 120, 121, 0, 0	: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,	;	Before (SHAPE1)
145. BEAM , 1, 8, 121, 122, 0, 0	PERI_IN, Cy, Cz : 3rd line	;	SHAPE, ...(same with other type data from shape)
146. BEAM , 1, 7, 122, 123, 0, 0	: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz	;	After (SHAPE2)
147. BEAM , 1, 6, 123, 124, 0, 0	: 4th line	;	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
148. BEAM , 1, 5, 124, 125, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,	;	1st line - COMPOSITE-SB
149. BEAM , 1, 5, 125, 126, 0, 0	DEN, POIS, POIC, SF, THERMAL : 1st line - SRC	;	Hw, tw, B, Bf1, Bf2, Bf2, tf2
150. BEAM , 1, 5, 126, 127, 0, 0	: D1, D2, [SRC]	;	2nd line
151. BEAM , 1, 4, 127, 163, 0, 0	: 2nd line	;	N1, N2, Hr, Hr2, tr1, tr2
152. BEAM , 1, 3, 128, 129, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,	;	3rd line
153. BEAM , 1, 3, 129, 130, 0, 0	NAME1, NAME2, D1, D2 : 1st line - COMBINED	;	SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
154. BEAM , 1, 2, 130, 131, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,	;	bMulti, Elong, Esh ; 4th line
155. BEAM , 1, 1, 131, 132, 0, 0	D12, D13, D14, D15, D21, D22, D23, D24	;	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
156. BEAM , 1, 1, 132, 133, 0, 0	: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,	;	1st line - COMPOSITE-SI
157. BEAM , 2, 16, 55, 134, 0, 0	izVAR, STYPE : 1st line - TAPERED	;	Hw, tw, B, tf1, B2, tf2
158. BEAM , 2, 16, 134, 135, 0, 0	: DB, NAME1, NAME2	;	2nd line
159. BEAM , 2, 16, 135, 136, 0, 0	: 2nd line(STYPE=DB)	;	SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
160. BEAM , 2, 16, 136, 137, 0, 0	: [DIM1], [DIM2]	;	bMulti, Elong, Esh ; 3rd line
161. BEAM , 2, 16, 137, 138, 0, 0	: 2nd line(STYPE=USER)	;	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
162. BEAM , 2, 16, 138, 139, 0, 0	: D11, D12, D13, D14, D15, D16, D17, D18	;	1st line - COMPOSITE-CI/CT
163. BEAM , 2, 16, 139, 140, 0, 0	: 2nd line(STYPE=VALUE)	;	OPT1, OPT2, [JOINT]
164. BEAM , 2, 16, 140, 141, 0, 0	: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1	;	2nd line
165. BEAM , 2, 16, 141, 142, 0, 0	: 3rd line(STYPE=VALUE)	;	[SIZE-A]
166. BEAM , 2, 16, 142, 143, 0, 0	: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,	;	3rd line
167. BEAM , 2, 16, 143, 144, 0, 0	PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th	;	[SIZE-B]
168. BEAM , 2, 16, 144, 145, 0, 0	line(STYPE=VALUE)	;	4th line
169. BEAM , 2, 16, 145, 146, 0, 0	: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,	;	[SIZE-C]
170. BEAM , 2, 16, 146, 147, 0, 0	Zyy2 : 5th line(STYPE=VALUE)	;	5th line
171. BEAM , 2, 16, 147, 148, 0, 0	: D21, D22, D23, D24, D25, D26, D27, D28	;	[SIZE-D]
172. BEAM , 2, 16, 148, 149, 0, 0	: 6th line(STYPE=VALUE)	;	6th line
173. BEAM , 2, 16, 149, 150, 0, 0	: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2	;	SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb,
174. BEAM , 2, 16, 150, 151, 0, 0	: 7th line(STYPE=VALUE)	;	Pgd, Psb ; 7th line
175. BEAM , 2, 16, 151, 152, 0, 0	: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,	;	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
176. BEAM , 2, 16, 152, 153, 0, 0	PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th	;	1st line - PSC
177. BEAM , 2, 16, 153, 154, 0, 0	line(STYPE=VALUE)	;	OPT1, OPT2, [JOINT]
178. BEAM , 2, 16, 154, 155, 0, 0	: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,	;	2nd line
179. BEAM , 2, 16, 155, 156, 0, 0	Zzz2 : 9th line(STYPE=VALUE)	;	bSHEARCHK, [SCHK], [WT], WIDTH, bSYM,
180. BEAM , 2, 16, 156, 157, 0, 0	: OPT1, OPT2, [JOINT]	;	bSIDEHOLE ; 3rd line
181. BEAM , 2, 16, 157, 158, 0, 0	: 2nd line(STYPE=PSC)	;	bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
182. BEAM , 2, 16, 158, 159, 0, 0	: ELAST, DEN, POIS, POIC, THERMAL	;	[STIFF] ; 4th line
183. BEAM , 2, 15, 132, 158, 0, 0	: 2nd line(STYPE=PSC-CMPW)	;	[SIZE-A]
184. BEAM , 2, 15, 158, 106, 0, 0	: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],	;	5th line
185. BEAM , 2, 15, 131, 157, 0, 0	[WT-J], Wl, Wj, bSYM, bSIDEHOLE : 3rd	;	[SIZE-B]
186. BEAM , 2, 15, 157, 105, 0, 0	line(STYPE=PSC)	;	6th line
187. BEAM , 2, 15, 129, 155, 0, 0	: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],	;	[SIZE-C]
188. BEAM , 2, 15, 155, 103, 0, 0	[CMPWEB-J] : 3rd	;	7th line
189. BEAM , 2, 15, 126, 152, 0, 0	line(STYPE=PSC-CMPW)	;	[SIZE-D]
190. BEAM , 2, 15, 152, 100, 0, 0	: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,	;	8th line
191. BEAM , 2, 15, 125, 151, 0, 0	[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)	;	[DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6,
192. BEAM , 2, 15, 151, 99, 0, 0	: [SIZE-A]-i	;	D7, D8, D9, D10
193. BEAM , 2, 15, 124, 150, 0, 0	: 5th line(STYPE=PSC)	;	[DATA2] : CCSHAPE or iCEL or iN1, iN2
194. BEAM , 2, 15, 150, 98, 0, 0	: [SIZE-B]-i	;	[SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4,
195. BEAM , 2, 15, 121, 147, 0, 0	: 6th line(STYPE=PSC)	;	D5, D6, D7, D8, D9, D10, iN1, iN2


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PERI_OUT2, PERI_IN2, Cy2, C22, : 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]-J
: [SIZE-B]-J
: [SIZE-C]-J
: [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, EgD Esb, Dgd Dsb, 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
: [SIZE-B]-I
: [SIZE-C]-I
: [SIZE-D]-I
: [SIZE-A]-J
: [SIZE-B]-J
: [SIZE-C]-J
: [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]
: [SIZE-A]
: 3rd line
: [SIZE-B]
: 4th line
: [SIZE-C]
: 5th line
: [SIZE-D]
: 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgD Esb, Dgd Dsb,
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]
: [SIZE-B]
: [SIZE-C]
: [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 , G1-1 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
1, 0, 0, 0, 3, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
2, COMPOSITE , G1-2 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
3, COMPOSITE , G1-3 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.014
1, 0, 0, 0, 3, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
4, COMPOSITE , G1-4 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.018
1, 0, 0, 0, 3, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
5, COMPOSITE , G1-5 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.018
1, 0, 0, 0, 3, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
6, COMPOSITE , G1-6 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.018
1, 0, 0, 0, 5, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
7, COMPOSITE , G1-7 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.018
1, 0, 0, 0, 5, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
8, COMPOSITE , G1-8 , CC, 0, 0, 0, 0,
0, 0, YES, B
2.4, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.02
1, 0, 0, 0, 5, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0,
```


0, -3.107, 1, -3.107, 0, 0, 0, 0, , NO, 0, 0, NO, 155, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO, 155, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.107, 1, -3.107, 0, 0, 0, 0, , NO, 0, 0, NO, 155, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.783, 1, 6.783, 0, 0, 0, 0, , NO, 0, 0, NO, 156, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.783, 1, 6.783, 0, 0, 0, 0, , NO, 0, 0, NO, 156, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO, 156, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.107, 1, -3.107, 0, 0, 0, 0, , NO, 0, 0, NO, 207, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO, 207, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.604, 1, -12.604, 0, 0, 0, 0, , NO, 0, 0, NO, 207, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -9.74, 1, -9.74, 0, 0, 0, 0, , NO, 0, 0, NO, 208, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO, 208, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.107, 1, -3.107, 0, 0, 0, 0, , NO, 0, 0, NO, 208, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.783, 1, 6.783, 0, 0, 0, 0, , NO, 0, 0, NO, 209, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.604, 1, -12.604, 0, 0, 0, 0, , NO, 0, 0, NO, 209, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO, 209, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -9.74, 1, -9.74, 0, 0, 0, 0, , NO, 0, 0, NO, 210, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.783, 1, 6.783, 0, 0, 0, 0, , NO, 0, 0, NO, 210, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO, 210, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.107, 1, -3.107, 0, 0, 0, 0, , NO, 0, 0, NO, ; End of data for load case [방호벽 및 포장하중]	14, -0.375, 0.2, NO, 0, NO, 0 16, -0.375, 0.2, NO, 0, NO, 0 18, -0.375, 0.2, NO, 0, NO, 0 20, -0.375, 0.2, NO, 0, NO, 0 207, -0.375, 0.2, NO, 0, NO, 0 23, -0.375, 0.2, NO, 0, NO, 0 25, -0.375, 0.2, NO, 0, NO, 0 NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO 182, -0.525, 0.2, YES, 0, NO, 0 180, -0.525, 0.2, NO, 0, NO, 0 178, -0.525, 0.2, NO, 0, NO, 0 176, -0.525, 0.2, NO, 0, NO, 0 174, -0.525, 0.2, NO, 0, NO, 0 172, -0.525, 0.2, NO, 0, NO, 0 170, -0.525, 0.2, NO, 0, NO, 0 168, -0.525, 0.2, NO, 0, NO, 0 166, -0.525, 0.167, NO, 0, 0.167, NO, 0 164, -0.525, 0.167, NO, 0, 0.167, NO, 0 162, -0.525, 0.167, NO, 0, 0.167, NO, 0 160, -0.525, 0.167, NO, 0, 0.167, NO, 0 158, -0.525, 0.167, NO, 0, 0.167, NO, 0 53, -0.525, 0.167, NO, 0, 0.167, NO, 0 55, -0.525, 0.167, NO, 0, 0.167, NO, 0 57, -0.525, 0.167, NO, 0, 0.167, NO, 0 59, -0.525, 0.167, NO, 0, 0.167, NO, 0 61, -0.525, 0.167, NO, 0, 0.167, NO, 0 63, -0.525, 0.167, NO, 0, NO, 0 65, -0.525, 0.2, NO, 0, NO, 0 67, -0.525, 0.2, NO, 0, NO, 0 69, -0.525, 0.2, NO, 0, NO, 0 71, -0.525, 0.2, NO, 0, NO, 0 73, -0.525, 0.2, NO, 0, NO, 0 75, -0.525, 0.2, NO, 0, NO, 0 77, -0.525, 0.2, NO, 0, NO, 0 NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO 156, -0.675, 0.2, YES, 0, NO, 0 154, -0.675, 0.2, NO, 0, NO, 0 152, -0.675, 0.2, NO, 0, NO, 0 151, -0.675, 0.2, NO, 0, NO, 0 149, -0.675, 0.2, NO, 0, NO, 0 147, -0.675, 0.2, NO, 0, NO, 0 145, -0.675, 0.2, NO, 0, NO, 0 143, -0.675, 0.2, NO, 0, NO, 0 141, -0.675, 0.167, NO, 0, 0.167, NO, 0 139, -0.675, 0.167, NO, 0, 0.167, NO, 0 137, -0.675, 0.167, NO, 0, 0.167, NO, 0 135, -0.675, 0.167, NO, 0, 0.167, NO, 0 133, -0.675, 0.167, NO, 0, 0.167, NO, 0 131, -0.675, 0.167, NO, 0, 0.167, NO, 0 28, -0.675, 0.167, NO, 0, NO, 0	15, -0.375, 0.2, NO, 0 17, -0.375, 0.2, NO, 0 19, -0.375, 0.2, NO, 0 21, -0.375, 0.2, NO, 0 22, -0.375, 0.2, NO, 0 24, -0.375, 0.2, NO, 0 26, -0.375, 0.2, NO, 0 181, -0.525, 0.2, NO, 0 179, -0.525, 0.2, NO, 0 177, -0.525, 0.2, NO, 0 175, -0.525, 0.2, NO, 0 173, -0.525, 0.2, NO, 0 171, -0.525, 0.2, NO, 0 169, -0.525, 0.2, NO, 0 167, -0.525, 0.167, 0.167, NO, 0 163, -0.525, 0.167, NO, 0 161, -0.525, 0.167, NO, 0 159, -0.525, 0.167, NO, 0 157, -0.525, 0.167, NO, 0 54, -0.525, 0.167, NO, 0 56, -0.525, 0.167, NO, 0 58, -0.525, 0.167, NO, 0 60, -0.525, 0.167, NO, 0 62, -0.525, 0.167, NO, 0 64, -0.525, 0.2, NO, 0 66, -0.525, 0.2, NO, 0 68, -0.525, 0.2, NO, 0 70, -0.525, 0.2, NO, 0 72, -0.525, 0.2, NO, 0 74, -0.525, 0.2, NO, 0 76, -0.525, 0.2, NO, 0 78, -0.525, 0.2, NO, 0 155, -0.675, 0.2, NO, 0 153, -0.675, 0.2, NO, 0 210, -0.675, 0.2, NO, 0 150, -0.675, 0.2, NO, 0 148, -0.675, 0.2, NO, 0 146, -0.675, 0.2, NO, 0 144, -0.675, 0.2, NO, 0 142, -0.675, 0.2, NO, 0 140, -0.675, 0.167, NO, 0 138, -0.675, 0.167, NO, 0 136, -0.675, 0.167, NO, 0 134, -0.675, 0.167, NO, 0 132, -0.675, 0.167, NO, 0 27, -0.675, 0.167, NO, 0 29, -0.675, 0.167, NO, 0	0.167, NO, 0 30, -0.675, 0.167, NO, 0, 0.167, NO, 0 32, -0.675, 0.167, NO, 0, 0.167, NO, 0 34, -0.675, 0.167, NO, 0, 0.167, NO, 0 36, -0.675, 0.167, NO, 0, 0.167, NO, 0 38, -0.675, 0.2, NO, 0, NO, 0 40, -0.675, 0.2, NO, 0, NO, 0 42, -0.675, 0.2, NO, 0, NO, 0 44, -0.675, 0.2, NO, 0, NO, 0 46, -0.675, 0.2, NO, 0, NO, 0 208, -0.675, 0.2, NO, 0, NO, 0 49, -0.675, 0.2, NO, 0, NO, 0 51, -0.675, 0.2, NO, 0, 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] or [CROWD] ; user: line 1 ; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2 ; [TRUCK/LANE] : 1, P, Qm, Qq ; truck(JTG) ; [TRUCK/LANE] : 2, P, Qm, Qq ; lane load1 ; [TRUCK/LANE] : 3, QK, Pk1, L1, Pk2, L2 ; lane load2 ; [TRUCK/LANE] : 4, dW, dD ; crawler type ; [TRUCK/LANE] : 5 ; GC type load ; [TRAIN/SUBWAY] : iTYPE, W1, D1, W2, D2 ; train-type1,3 ; [TRAIN/SUBWAY] : iTYPE, DD, FD, BD, MAINCOUNT ; train-type2 ; [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR ; subway ; [CROWD] : 1, dW1 ; crowd-type1 ; [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH ; crowd-type2 ; if Moving Load Type is India ; NAME=NAME, 1, TYPE=NAME, CODE ; standard ; NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST ; user: line 1 ; NAME=NAME, 2, bWTB, dD1, dD2, NDIST ; user: line 1 ; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2 ; if Moving Load Code is CANADA ; NAME=NAME, 1, TYPE=NAME, DLA, CODE, [DYNA] ; standard ; NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST, [DYNA] ; user: line 1 ; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2 ; [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE ; Dynamic Load Allowance ; if Moving Load Code is BS ; NAME=NAME, 1, TYPE=NAME, CODE, UNITNUM ; standard ; NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4 ; HA, HA & HB, HA & HB(Auto) ; NAME=NAME, 2, iSTYPE, W1, W2, W3, L, Pa, Pb, D1, D2, d, UNITNUM ; user(BS 5400) ; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BS-DATA-LF] ; user(HA) ; NAME=NAME, 2, iSTYPE, [BS-DATA-HB] ; user(HB) ; NAME=NAME, 2, iSTYPE, [BD37/01-HA2], [BS-DATA-HB2], [BS-DATA-LF] ; user(HA&HB) ; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BD37/01-HB], [BS-DATA-LF] ; user(HA&HB(AUTO)) ; NAME=NAME, 2, iSTYPE, W, L ; user(Pedestrian) ; NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1, P2, D2, ... ; user(Special Vehicle) ; [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa ; [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2 ; [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM ; [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM ; [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4 ; if Moving Load Code is EUROCODE
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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
*ENDDATA
```

■ 원정교 부산방향(S1~S3) 상부 input

```

:-----
: 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, 7.8, 0, 0
4, 8.43, 0, 0
5, 10, 0, 0
6, 11.25, 0, 0
7, 15, 0, 0
8, 19.06, 0, 0
9, 19.685, 0, 0
10, 20, 0, 0
11, 22.2, 0, 0
12, 25, 0, 0
13, 27.812, 0, 0
14, 28.75, 0, 0
15, 30, 0, 0
16, 30.312, 0, 0
17, 30.937, 0, 0
18, 35, 0, 0
19, 40, 0, 0
20, 45, 0, 0
21, 46.563, 0, 0
22, 47.188, 0, 0
23, 50, 0, 0
24, 54.688, 0, 0
25, 55, 0, 0
26, 59.5, 0, 0
27, 60, 0, 0
28, 0, -7.5, 0
29, 5, -7.5, 0
30, 7.8, -7.5, 0
31, 8.43, -7.5, 0
32, 10, -7.5, 0
33, 11.25, -7.5, 0
34, 15, -7.5, 0
35, 19.06, -7.5, 0
36, 19.685, -7.5, 0
37, 20, -7.5, 0
38, 22.2, -7.5, 0
39, 25, -7.5, 0
40, 27.812, -7.5, 0
41, 28.75, -7.5, 0
42, 30, -7.5, 0
43, 30.312, -7.5, 0
44, 30.937, -7.5, 0
45, 35, -7.5, 0
46, 40, -7.5, 0
47, 45, -7.5, 0
48, 46.563, -7.5, 0
49, 47.188, -7.5, 0
50, 50, -7.5, 0
51, 54.688, -7.5, 0
52, 55, -7.5, 0
53, 59.5, -7.5, 0
54, 60, -7.5, 0
55, 0, -3.75, 0
56, 5, -3.75, 0
57, 7.8, -3.75, 0
58, 8.43, -3.75, 0
59, 10, -3.75, 0
60, 11.25, -3.75, 0
61, 15, -3.75, 0
62, 19.06, -3.75, 0
63, 19.685, -3.75, 0
64, 20, -3.75, 0
65, 22.2, -3.75, 0
66, 25, -3.75, 0
67, 27.812, -3.75, 0
68, 28.75, -3.75, 0
69, 30, -3.75, 0
70, 30.312, -3.75, 0
71, 30.937, -3.75, 0
72, 35, -3.75, 0
73, 40, -3.75, 0
74, 45, -3.75, 0
75, 46.563, -3.75, 0
76, 47.188, -3.75, 0
77, 50, -3.75, 0
78, 54.688, -3.75, 0

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79, 55, -3.75, 0
80, 59.5, -3.75, 0
81, 60, -3.75, 0
82, -5, 0, 0
83, -7.8, 0, 0
84, -8.43, 0, 0
85, -10, 0, 0
86, -11.25, 0, 0
87, -15, 0, 0
88, -19.06, 0, 0
89, -19.685, 0, 0
90, -20, 0, 0
91, -22.2, 0, 0
92, -25, 0, 0
93, -27.812, 0, 0
94, -28.75, 0, 0
95, -30, 0, 0
96, -30.312, 0, 0
97, -30.937, 0, 0
98, -35, 0, 0
99, -40, 0, 0
100, -45, 0, 0
101, -46.563, 0, 0
102, -47.188, 0, 0
103, -50, 0, 0
104, -54.688, 0, 0
105, -55, 0, 0
106, -59.5, 0, 0
107, -60, 0, 0
108, -5, -7.5, 0
109, -7.8, -7.5, 0
110, -8.43, -7.5, 0
111, -10, -7.5, 0
112, -11.25, -7.5, 0
113, -15, -7.5, 0
114, -19.06, -7.5, 0
115, -19.685, -7.5, 0
116, -20, -7.5, 0
117, -22.2, -7.5, 0
118, -25, -7.5, 0
119, -27.812, -7.5, 0
120, -28.75, -7.5, 0
121, -30, -7.5, 0
122, -30.312, -7.5, 0
123, -30.937, -7.5, 0
124, -35, -7.5, 0
125, -40, -7.5, 0
126, -45, -7.5, 0
127, -46.563, -7.5, 0
128, -47.188, -7.5, 0
129, -50, -7.5, 0
130, -54.688, -7.5, 0
131, -55, -7.5, 0
132, -59.5, -7.5, 0
133, -60, -7.5, 0
134, -5, -3.75, 0
135, -7.8, -3.75, 0
136, -8.43, -3.75, 0
137, -10, -3.75, 0
138, -11.25, -3.75, 0
139, -15, -3.75, 0
140, -19.06, -3.75, 0
141, -19.685, -3.75, 0
142, -20, -3.75, 0
143, -22.2, -3.75, 0
144, -25, -3.75, 0
145, -27.812, -3.75, 0
146, -28.75, -3.75, 0
147, -30, -3.75, 0
148, -30.312, -3.75, 0
149, -30.937, -3.75, 0
150, -35, -3.75, 0
151, -40, -3.75, 0
152, -45, -3.75, 0
153, -46.563, -3.75, 0
154, -47.188, -3.75, 0
155, -50, -3.75, 0
156, -54.688, -3.75, 0
157, -55, -3.75, 0
158, -59.5, -3.75, 0
159, -60, -3.75, 0
160, 46.875, 0, 0
161, 46.875, -7.5, 0
162, -46.875, 0, 0
163, -46.875, -7.5, 0

*ELEMENT : Elements
: IEL, TYPE, IMAT, IPRO, IN1, IN2, ANGLE, ISUB, EXVAL,
IOPT(EXVAL2) : Frame Element
: IEL, TYPE, IMAT, IPRO, IN1, IN2, ANGLE, ISUB, EXVAL,
EXVAL2, bLMT : Comp/Tens Truss
: IEL, TYPE, IMAT, IPRO, IN1, IN2, IN3, IN4, ISUB, IWID,
LCAXIS : Planar Element
: IEL, TYPE, IMAT, IPRO, IN1, IN2, IN3, IN4, IN5, IN6, IN7,
IN8 : Solid Element
: IEL, TYPE, IMAT, IPRO, IN1, IN2, REF, RPX, RPY, RPZ,
ISUB, EXVAL : Frame(Ref. Point)
1, BEAM, 1, 14, 1, 2, 0, 0

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2, BEAM, 1, 14, 2, 3, 0, 0
3, BEAM, 1, 5, 3, 4, 0, 0
4, BEAM, 1, 13, 4, 5, 0, 0
5, BEAM, 1, 13, 5, 6, 0, 0
6, BEAM, 1, 12, 6, 7, 0, 0
7, BEAM, 1, 12, 7, 8, 0, 0
8, BEAM, 1, 11, 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, 10, 12, 13, 0, 0
13, BEAM, 1, 9, 13, 14, 0, 0
14, BEAM, 1, 8, 14, 15, 0, 0
15, BEAM, 1, 8, 15, 16, 0, 0
16, BEAM, 1, 7, 16, 17, 0, 0
17, BEAM, 1, 6, 17, 18, 0, 0
18, BEAM, 1, 5, 18, 19, 0, 0
19, BEAM, 1, 5, 19, 20, 0, 0
20, BEAM, 1, 5, 20, 21, 0, 0
21, BEAM, 1, 4, 21, 160, 0, 0
22, BEAM, 1, 3, 22, 23, 0, 0
23, BEAM, 1, 3, 23, 24, 0, 0
24, BEAM, 1, 2, 24, 25, 0, 0
25, BEAM, 1, 1, 25, 26, 0, 0
26, BEAM, 1, 1, 26, 27, 0, 0
27, BEAM, 1, 14, 28, 29, 0, 0
28, BEAM, 1, 14, 29, 30, 0, 0
29, BEAM, 1, 5, 30, 31, 0, 0
30, BEAM, 1, 13, 31, 32, 0, 0
31, BEAM, 1, 13, 32, 33, 0, 0
32, BEAM, 1, 12, 33, 34, 0, 0
33, BEAM, 1, 12, 34, 35, 0, 0
34, BEAM, 1, 11, 35, 36, 0, 0
35, BEAM, 1, 8, 36, 37, 0, 0
36, BEAM, 1, 9, 37, 38, 0, 0
37, BEAM, 1, 10, 38, 39, 0, 0
38, BEAM, 1, 10, 39, 40, 0, 0
39, BEAM, 1, 9, 40, 41, 0, 0
40, BEAM, 1, 8, 41, 42, 0, 0
41, BEAM, 1, 8, 42, 43, 0, 0
42, BEAM, 1, 7, 43, 44, 0, 0
43, BEAM, 1, 6, 44, 45, 0, 0
44, BEAM, 1, 5, 45, 46, 0, 0
45, BEAM, 1, 5, 46, 47, 0, 0
46, BEAM, 1, 5, 47, 48, 0, 0
47, BEAM, 1, 4, 48, 161, 0, 0
48, BEAM, 1, 3, 49, 50, 0, 0
49, BEAM, 1, 3, 50, 51, 0, 0
50, BEAM, 1, 2, 51, 52, 0, 0
51, BEAM, 1, 1, 52, 53, 0, 0
52, BEAM, 1, 1, 53, 54, 0, 0
53, BEAM, 2, 16, 55, 56, 0, 0
54, BEAM, 2, 16, 56, 57, 0, 0
55, BEAM, 2, 16, 57, 58, 0, 0
56, BEAM, 2, 16, 58, 59, 0, 0
57, BEAM, 2, 16, 59, 60, 0, 0
58, BEAM, 2, 16, 60, 61, 0, 0
59, BEAM, 2, 16, 61, 62, 0, 0
60, BEAM, 2, 16, 62, 63, 0, 0
61, BEAM, 2, 16, 63, 64, 0, 0
62, BEAM, 2, 16, 64, 65, 0, 0
63, BEAM, 2, 16, 65, 66, 0, 0
64, BEAM, 2, 16, 66, 67, 0, 0
65, BEAM, 2, 16, 67, 68, 0, 0
66, BEAM, 2, 16, 68, 69, 0, 0
67, BEAM, 2, 16, 69, 70, 0, 0
68, BEAM, 2, 16, 70, 71, 0, 0
69, BEAM, 2, 16, 71, 72, 0, 0
70, BEAM, 2, 16, 72, 73, 0, 0
71, BEAM, 2, 16, 73, 74, 0, 0
72, BEAM, 2, 16, 74, 75, 0, 0
73, BEAM, 2, 16, 75, 76, 0, 0
74, BEAM, 2, 16, 76, 77, 0, 0
75, BEAM, 2, 16, 77, 78, 0, 0
76, BEAM, 2, 16, 78, 79, 0, 0
77, BEAM, 2, 16, 79, 80, 0, 0
78, BEAM, 2, 16, 80, 81, 0, 0
79, BEAM, 2, 15, 53, 80, 0, 0
80, BEAM, 2, 15, 80, 26, 0, 0
81, BEAM, 2, 15, 52, 79, 0, 0
82, BEAM, 2, 15, 79, 25, 0, 0
83, BEAM, 2, 15, 50, 77, 0, 0
84, BEAM, 2, 15, 77, 23, 0, 0
85, BEAM, 2, 15, 47, 74, 0, 0
86, BEAM, 2, 15, 74, 20, 0, 0
87, BEAM, 2, 15, 46, 73, 0, 0
88, BEAM, 2, 15, 73, 19, 0, 0
89, BEAM, 2, 15, 45, 72, 0, 0
90, BEAM, 2, 15, 72, 18, 0, 0
91, BEAM, 2, 15, 42, 69, 0, 0
92, BEAM, 2, 15, 69, 15, 0, 0
93, BEAM, 2, 15, 39, 66, 0, 0
94, BEAM, 2, 15, 66, 12, 0, 0
95, BEAM, 2, 15, 37, 64, 0, 0
96, BEAM, 2, 15, 64, 10, 0, 0
97, BEAM, 2, 15, 34, 61, 0, 0
98, BEAM, 2, 15, 61, 7, 0, 0

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99. BEAM , 2, 15, 32, 59, 0, 0	196. BEAM , 2, 15, 147, 95, 0, 0	;	[SIZE-C]-i
100. BEAM , 2, 15, 59, 5, 0, 0	197. BEAM , 2, 15, 118, 144, 0, 0	;	7th line(STYPE=PSC)
101. BEAM , 2, 15, 29, 56, 0, 0	198. BEAM , 2, 15, 144, 92, 0, 0	;	[SIZE-D]-i
102. BEAM , 2, 15, 56, 2, 0, 0	199. BEAM , 2, 15, 116, 142, 0, 0	;	8th line(STYPE=PSC)
103. BEAM , 2, 15, 28, 55, 0, 0	200. BEAM , 2, 15, 142, 90, 0, 0	;	[SIZE-A]-j
104. BEAM , 2, 15, 55, 1, 0, 0	201. BEAM , 2, 15, 113, 139, 0, 0	;	9th line(STYPE=PSC)
105. BEAM , 1, 14, 1, 82, 0, 0	202. BEAM , 2, 15, 139, 87, 0, 0	;	[SIZE-B]-j
106. BEAM , 1, 14, 82, 83, 0, 0	203. BEAM , 2, 15, 111, 137, 0, 0	;	10th line(STYPE=PSC)
107. BEAM , 1, 5, 83, 84, 0, 0	204. BEAM , 2, 15, 137, 85, 0, 0	;	[SIZE-C]-j
108. BEAM , 1, 13, 84, 85, 0, 0	205. BEAM , 2, 15, 108, 134, 0, 0	;	11th line(STYPE=PSC)
109. BEAM , 1, 13, 85, 86, 0, 0	206. BEAM , 2, 15, 134, 82, 0, 0	;	[SIZE-D]-j
110. BEAM , 1, 12, 86, 87, 0, 0	207. BEAM , 1, 4, 160, 22, 0, 0	;	12th line(STYPE=PSC)
111. BEAM , 1, 12, 87, 88, 0, 0	208. BEAM , 1, 4, 161, 49, 0, 0	;	GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
112. BEAM , 1, 11, 88, 89, 0, 0	209. BEAM , 1, 4, 162, 102, 0, 0	;	bMULTI, EsEc-L, EsEc-S ; 2nd
113. BEAM , 1, 8, 89, 90, 0, 0	210. BEAM , 1, 4, 163, 128, 0, 0	;	line(STYPE=CMP-B/I)
114. BEAM , 1, 9, 90, 91, 0, 0	*MATERIAL : Material	;	SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i,
115. BEAM , 1, 10, 91, 92, 0, 0	: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,	;	tf2_i ; 3rd line(STYPE=CMP-B/I)
116. BEAM , 1, 10, 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,
117. BEAM , 1, 9, 93, 94, 0, 0	USER	;	tf2_j ; 4th line(STYPE=CMP-B/I)
118. BEAM , 1, 8, 94, 95, 0, 0	: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,	;	N1, N2, Hr, Hr2, tr1, tr2
119. BEAM , 1, 8, 95, 96, 0, 0	bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC	;	5th line(STYPE=CMP-B)
120. BEAM , 1, 7, 96, 97, 0, 0	: [DATA1] : 1, DB, NAME, CODE	;	GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd,
121. BEAM , 1, 6, 97, 98, 0, 0	: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS	;	Psb, bSYM, SW_i, SW_j ; 2nd
122. BEAM , 1, 5, 98, 99, 0, 0	: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz,	;	line(STYPE=CMP-CI/CT)
123. BEAM , 1, 5, 99, 100, 0, 0	Pxy, Pxz, Pyz, DEN, MASS : Orthotropic	;	OPT1, OPT2, [JOINT]
124. BEAM , 1, 5, 100, 101, 0, 0	: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,	;	3rd line(STYPE=CMP-CI/CT)
125. BEAM , 1, 4, 101, 102, 0, 0	THERMAL, DEN, MASS	;	[SIZE-A]-i
126. BEAM , 1, 3, 102, 103, 0, 0	1, STEEL, SM490 , 0, 0, , C, NO, 0.02,	;	4th line(STYPE=CMP-CI/CT)
127. BEAM , 1, 3, 103, 104, 0, 0	1, KS10-Civil(S), , SM490	;	[SIZE-B]-i
128. BEAM , 1, 2, 104, 105, 0, 0	2, STEEL, SM400 , 0, 0, , C, NO, 0.02,	;	5th line(STYPE=CMP-CI/CT)
129. BEAM , 1, 1, 105, 106, 0, 0	1, KS10-Civil(S), , SM400	;	[SIZE-C]-i
130. BEAM , 1, 1, 106, 107, 0, 0	*MATL-COLOR	;	6th line(STYPE=CMP-CI/CT)
131. BEAM , 1, 14, 28, 108, 0, 0	: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,	;	[SIZE-D]-i
132. BEAM , 1, 14, 108, 109, 0, 0	HE_G, HE_B, bBLEND, FACT	;	7th line(STYPE=CMP-CI/CT)
133. BEAM , 1, 5, 109, 110, 0, 0	1, 255, 0, 0, 0, 255, 0, 0, 0, 255,	;	[SIZE-A]-j
134. BEAM , 1, 13, 110, 111, 0, 0	NO, 0.5	;	8th line(STYPE=CMP-CI/CT)
135. BEAM , 1, 13, 111, 112, 0, 0	2, 255, 0, 0, 0, 255, 0, 0, 0, 255,	;	[SIZE-B]-j
136. BEAM , 1, 12, 112, 113, 0, 0	NO, 0.5	;	9th line(STYPE=CMP-CI/CT)
137. BEAM , 1, 12, 113, 114, 0, 0	*SECTION : Section	;	[SIZE-C]-j
138. BEAM , 1, 11, 114, 115, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],	;	10th line(STYPE=CMP-CI/CT)
139. BEAM , 1, 8, 115, 116, 0, 0	[DATA2] : 1st line - DB/USER	;	[SIZE-D]-j
140. BEAM , 1, 9, 116, 117, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,	;	11th line(STYPE=CMP-CI/CT)
141. BEAM , 1, 10, 117, 118, 0, 0	..., D8, iCEL : 1st line - VALUE	;	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE1, SHAPE2
142. BEAM , 1, 10, 118, 119, 0, 0	: AREA, ASy, ASz, lxx, lyy, lzz	;	1st line - CONSTRUCT
143. BEAM , 1, 9, 119, 120, 0, 0	: 2nd line	;	SHAPE, ...(same with other type data from shape)
144. BEAM , 1, 8, 120, 121, 0, 0	: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,	;	Before (SHAPE1)
145. BEAM , 1, 8, 121, 122, 0, 0	PERI_IN, Cy, Cz : 3rd line	;	SHAPE, ...(same with other type data from shape)
146. BEAM , 1, 7, 122, 123, 0, 0	: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz	;	After (SHAPE2)
147. BEAM , 1, 6, 123, 124, 0, 0	: 4th line	;	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
148. BEAM , 1, 5, 124, 125, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,	;	1st line - COMPOSITE-SB
149. BEAM , 1, 5, 125, 126, 0, 0	DEN, POIS, POIC, SF, THERMAL : 1st line - SRC	;	Hw, tw, B, Bf1, Bf2, Bf2, tf2
150. BEAM , 1, 5, 126, 127, 0, 0	: D1, D2, [SRC]	;	2nd line
151. BEAM , 1, 4, 127, 163, 0, 0	: 2nd line	;	N1, N2, Hr, Hr2, tr1, tr2
152. BEAM , 1, 3, 128, 129, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,	;	3rd line
153. BEAM , 1, 3, 129, 130, 0, 0	NAME1, NAME2, D1, D2 : 1st line - COMBINED	;	SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
154. BEAM , 1, 2, 130, 131, 0, 0	: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,	;	bMulti, Elong, Esh ; 4th line
155. BEAM , 1, 1, 131, 132, 0, 0	D12, D13, D14, D15, D21, D22, D23, D24	;	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
156. BEAM , 1, 1, 132, 133, 0, 0	: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,	;	1st line - COMPOSITE-SI
157. BEAM , 2, 16, 55, 134, 0, 0	izVAR, STYPE : 1st line - TAPERED	;	Hw, tw, B, tf1, B2, tf2
158. BEAM , 2, 16, 134, 135, 0, 0	: DB, NAME1, NAME2	;	2nd line
159. BEAM , 2, 16, 135, 136, 0, 0	: 2nd line(STYPE=DB)	;	SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
160. BEAM , 2, 16, 136, 137, 0, 0	: [DIM1], [DIM2]	;	bMulti, Elong, Esh ; 3rd line
161. BEAM , 2, 16, 137, 138, 0, 0	: 2nd line(STYPE=USER)	;	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
162. BEAM , 2, 16, 138, 139, 0, 0	: D11, D12, D13, D14, D15, D16, D17, D18	;	1st line - COMPOSITE-CI/CT
163. BEAM , 2, 16, 139, 140, 0, 0	: 2nd line(STYPE=VALUE)	;	OPT1, OPT2, [JOINT]
164. BEAM , 2, 16, 140, 141, 0, 0	: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1	;	2nd line
165. BEAM , 2, 16, 141, 142, 0, 0	: 3rd line(STYPE=VALUE)	;	[SIZE-A]
166. BEAM , 2, 16, 142, 143, 0, 0	: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,	;	3rd line
167. BEAM , 2, 16, 143, 144, 0, 0	PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th	;	[SIZE-B]
168. BEAM , 2, 16, 144, 145, 0, 0	line(STYPE=VALUE)	;	4th line
169. BEAM , 2, 16, 145, 146, 0, 0	: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,	;	[SIZE-C]
170. BEAM , 2, 16, 146, 147, 0, 0	Zyy2 : 5th line(STYPE=VALUE)	;	5th line
171. BEAM , 2, 16, 147, 148, 0, 0	: D21, D22, D23, D24, D25, D26, D27, D28	;	[SIZE-D]
172. BEAM , 2, 16, 148, 149, 0, 0	: 6th line(STYPE=VALUE)	;	6th line
173. BEAM , 2, 16, 149, 150, 0, 0	: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2	;	SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb,
174. BEAM , 2, 16, 150, 151, 0, 0	: 7th line(STYPE=VALUE)	;	Pgd, Psb ; 7th line
175. BEAM , 2, 16, 151, 152, 0, 0	: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,	;	ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
176. BEAM , 2, 16, 152, 153, 0, 0	PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th	;	1st line - PSC
177. BEAM , 2, 16, 153, 154, 0, 0	line(STYPE=VALUE)	;	OPT1, OPT2, [JOINT]
178. BEAM , 2, 16, 154, 155, 0, 0	: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,	;	2nd line
179. BEAM , 2, 16, 155, 156, 0, 0	Zzz2 : 9th line(STYPE=VALUE)	;	bSSEARCHK, [SCHK], [WT], WIDTH, bSYM,
180. BEAM , 2, 16, 156, 157, 0, 0	: OPT1, OPT2, [JOINT]	;	bSIDEHOLE ; 3rd line
181. BEAM , 2, 16, 157, 158, 0, 0	: 2nd line(STYPE=PSC)	;	bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
182. BEAM , 2, 16, 158, 159, 0, 0	: ELAST, DEN, POIS, POIC, THERMAL	;	[STIFF] ; 4th line
183. BEAM , 2, 15, 132, 158, 0, 0	: 2nd line(STYPE=PSC-CMPW)	;	[SIZE-A]
184. BEAM , 2, 15, 158, 106, 0, 0	: bSSEARCHK, [SCHK-I], [SCHK-J], [WT-I],	;	5th line
185. BEAM , 2, 15, 131, 157, 0, 0	[WT-J], Wl, WJ, bSYM, bSIDEHOLE : 3rd	;	[SIZE-B]
186. BEAM , 2, 15, 157, 105, 0, 0	line(STYPE=PSC)	;	6th line
187. BEAM , 2, 15, 129, 155, 0, 0	: bSSEARCHK, bSYM, bHUNCH, [CMPWEB-I],	;	[SIZE-C]
188. BEAM , 2, 15, 155, 103, 0, 0	[CMPWEB-J] : 3rd	;	7th line
189. BEAM , 2, 15, 126, 152, 0, 0	line(STYPE=PSC-CMPW)	;	[SIZE-D]
190. BEAM , 2, 15, 152, 100, 0, 0	: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,	;	8th line
191. BEAM , 2, 15, 125, 151, 0, 0	[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)	;	[DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6,
192. BEAM , 2, 15, 151, 99, 0, 0	: [SIZE-A]-i	;	D7, D8, D9, D10
193. BEAM , 2, 15, 124, 150, 0, 0	: 5th line(STYPE=PSC)	;	[DATA2] : CCSHAPE or iCEL or iN1, iN2
194. BEAM , 2, 15, 150, 98, 0, 0	: [SIZE-B]-i	;	[SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4,
195. BEAM , 2, 15, 121, 147, 0, 0	: 6th line(STYPE=PSC)	;	D5, D6, D7, D8, D9, D10, iN1, iN2


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PERI_OUT2, PERI_IN2, Cy2, C22, : 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]-J
: [SIZE-B]-J
: [SIZE-C]-J
: [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, EgD Esb, DgD Dsb, 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
: [SIZE-B]-I
: [SIZE-C]-I
: [SIZE-D]-I
: [SIZE-A]-J
: [SIZE-B]-J
: [SIZE-C]-J
: [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]
: [SIZE-A]
: 3rd line
: [SIZE-B]
: 4th line
: [SIZE-C]
: 5th line
: [SIZE-D]
: 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgD Esb, DgD Dsb,
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]
: [SIZE-B]
: [SIZE-C]
: [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 , G1-1 , CC, 0, 0, 0, 0,
0, 0, YES, B
: 2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.012
: 1, 0, 0, 0, 3, 5
: 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 0
: 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
: 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
: 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
: 2, COMPOSITE , G1-2 , CC, 0, 0, 0, 0,
0, 0, YES, B
: 2.4, 0.012, 2.5, 0.1, 0.012, 2.5, 0.1, 0.014
: 1, 0, 0, 0, 3, 5
: 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 0
: 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
: 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
: 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
: 3, COMPOSITE , G1-3 , CC, 0, 0, 0, 0,
0, 0, YES, B
: 2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.014
: 1, 0, 0, 0, 3, 5
: 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 0
: 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
: 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
: 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
: 4, COMPOSITE , G1-4 , CC, 0, 0, 0, 0,
0, 0, YES, B
: 2.4, 0.012, 2.5, 0.1, 0.014, 2.5, 0.1, 0.018
: 1, 0, 0, 0, 3, 5
: 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 0
: 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
: 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
: 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
: 5, COMPOSITE , G1-5 , CC, 0, 0, 0, 0,
0, 0, YES, B
: 2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.018
: 1, 0, 0, 0, 3, 5
: 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 0
: 3, 0.625, 0, NO, 0.625, 0, NO, 0.625, 0, NO
: 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
: 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
: 13, COMPOSITE , G1-13 , CC, 0, 0, 0, 0,
0, 0, YES, B
: 2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.016
: 1, 0, 0, 0, 3, 5
: 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 0.416, 0, NO, 0.416, 0, NO
: 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
: 6, COMPOSITE , G1-6 , CC, 0, 0, 0, 0,
0, 0, YES, B
: 2.4, 0.012, 2.5, 0.1, 0.016, 2.5, 0.1, 0.018
: 1, 0, 0, 0, 5, 5
: 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
: 0
: 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
: 5, 0.416, 0, NO, 0.416, 0, NO, 0.416, 0, NO,
0.416, 0, NO, 0.416, 0, NO
: 12.15, 2, 7.5, 6.075, 0.25, 0.05, 7.68337, 0,
0.3, 0.18, 1.2, NO, ,
: 7, COMPOSITE , G1-7 , CC, 0, 0, 0, 0,
0, 0, YES, B
: 2.4, 0.012, 
```


[illegible]

0, -3.107, 1, -3.107, 0, 0, 0, 0, , NO, 0, 0, NO, 155, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO, 155, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.107, 1, -3.107, 0, 0, 0, 0, , NO, 0, 0, NO, 155, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.783, 1, 6.783, 0, 0, 0, 0, , NO, 0, 0, NO, 156, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.783, 1, 6.783, 0, 0, 0, 0, , NO, 0, 0, NO, 156, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO, 156, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.107, 1, -3.107, 0, 0, 0, 0, , NO, 0, 0, NO, 207, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO, 207, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.604, 1, -12.604, 0, 0, 0, 0, , NO, 0, 0, NO, 207, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.74, 1, -9.74, 0, 0, 0, 0, , NO, 0, 0, NO, 208, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO, 208, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.107, 1, -3.107, 0, 0, 0, 0, , NO, 0, 0, NO, 208, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.783, 1, 6.783, 0, 0, 0, 0, , NO, 0, 0, NO, 209, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, -12.604, 1, -12.604, 0, 0, 0, 0, , NO, 0, 0, NO, 209, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -10.35, 1, -10.35, 0, 0, 0, 0, , NO, 0, 0, NO, 209, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -9.74, 1, -9.74, 0, 0, 0, 0, , NO, 0, 0, NO, 210, LINE , UNIMOMENT, GZ, NO , NO, aDir[1], , , , 0, 6.783, 1, 6.783, 0, 0, 0, 0, , NO, 0, 0, NO, 210, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -10.654, 1, -10.654, 0, 0, 0, 0, , NO, 0, 0, NO, 210, LINE , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -3.107, 1, -3.107, 0, 0, 0, 0, , NO, 0, 0, NO, ; End of data for load case [방호벽 및 포장하중]	14, -0.375, 0.2, NO, 0, NO, 0 16, -0.375, 0.2, NO, 0, NO, 0 18, -0.375, 0.2, NO, 0, NO, 0 20, -0.375, 0.2, NO, 0, NO, 0 207, -0.375, 0.2, NO, 0, NO, 0 23, -0.375, 0.2, NO, 0, NO, 0 25, -0.375, 0.2, NO, 0, NO, 0 NAME=L2, LANE, , 0, 0, BOTH, 3, 1.8, NO 182, -0.525, 0.2, YES, 0, NO, 0 180, -0.525, 0.2, NO, 0, NO, 0 178, -0.525, 0.2, NO, 0, NO, 0 176, -0.525, 0.2, NO, 0, NO, 0 174, -0.525, 0.2, NO, 0, NO, 0 172, -0.525, 0.2, NO, 0, NO, 0 170, -0.525, 0.2, NO, 0, NO, 0 168, -0.525, 0.2, NO, 0, NO, 0 166, -0.525, 0.167, NO, 0, 0.167, NO, 0 164, -0.525, 0.167, NO, 0, 0.167, NO, 0 162, -0.525, 0.167, NO, 0, 0.167, NO, 0 160, -0.525, 0.167, NO, 0, 0.167, NO, 0 158, -0.525, 0.167, NO, 0, 0.167, NO, 0 53, -0.525, 0.167, NO, 0, 0.167, NO, 0 55, -0.525, 0.167, NO, 0, 0.167, NO, 0 57, -0.525, 0.167, NO, 0, 0.167, NO, 0 59, -0.525, 0.167, NO, 0, 0.167, NO, 0 61, -0.525, 0.167, NO, 0, 0.167, NO, 0 63, -0.525, 0.167, NO, 0, NO, 0 65, -0.525, 0.2, NO, 0, NO, 0 67, -0.525, 0.2, NO, 0, NO, 0 69, -0.525, 0.2, NO, 0, NO, 0 71, -0.525, 0.2, NO, 0, NO, 0 73, -0.525, 0.2, NO, 0, NO, 0 75, -0.525, 0.2, NO, 0, NO, 0 77, -0.525, 0.2, NO, 0, NO, 0 NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO 156, -0.675, 0.2, YES, 0, NO, 0 154, -0.675, 0.2, NO, 0, NO, 0 152, -0.675, 0.2, NO, 0, NO, 0 151, -0.675, 0.2, NO, 0, NO, 0 149, -0.675, 0.2, NO, 0, NO, 0 147, -0.675, 0.2, NO, 0, NO, 0 145, -0.675, 0.2, NO, 0, NO, 0 143, -0.675, 0.2, NO, 0, NO, 0 141, -0.675, 0.167, NO, 0, 0.167, NO, 0 139, -0.675, 0.167, NO, 0, 0.167, NO, 0 137, -0.675, 0.167, NO, 0, 0.167, NO, 0 135, -0.675, 0.167, NO, 0, 0.167, NO, 0 133, -0.675, 0.167, NO, 0, 0.167, NO, 0 131, -0.675, 0.167, NO, 0, 0.167, NO, 0 28, -0.675, 0.167, NO, 0, NO, 0	15, -0.375, 0.2, NO, 0 17, -0.375, 0.2, NO, 0 19, -0.375, 0.2, NO, 0 21, -0.375, 0.2, NO, 0 22, -0.375, 0.2, NO, 0 24, -0.375, 0.2, NO, 0 26, -0.375, 0.2, NO, 0 181, -0.525, 0.2, NO, 0 179, -0.525, 0.2, NO, 0 177, -0.525, 0.2, NO, 0 175, -0.525, 0.2, NO, 0 173, -0.525, 0.2, NO, 0 171, -0.525, 0.2, NO, 0 169, -0.525, 0.2, NO, 0 167, -0.525, 0.167, NO, 0 165, -0.525, NO, 0 163, -0.525, NO, 0 161, -0.525, NO, 0 159, -0.525, NO, 0 157, -0.525, NO, 0 54, -0.525, NO, 0 56, -0.525, NO, 0 58, -0.525, NO, 0 60, -0.525, NO, 0 62, -0.525, NO, 0 64, -0.525, 0.2, NO, 0 66, -0.525, 0.2, NO, 0 68, -0.525, 0.2, NO, 0 70, -0.525, 0.2, NO, 0 72, -0.525, 0.2, NO, 0 74, -0.525, 0.2, NO, 0 76, -0.525, 0.2, NO, 0 78, -0.525, 0.2, NO, 0 155, -0.675, 0.2, NO, 0 153, -0.675, 0.2, NO, 0 210, -0.675, 0.2, NO, 0 150, -0.675, 0.2, NO, 0 148, -0.675, 0.2, NO, 0 146, -0.675, 0.2, NO, 0 144, -0.675, 0.2, NO, 0 142, -0.675, 0.2, NO, 0 140, -0.675, NO, 0 138, -0.675, NO, 0 136, -0.675, NO, 0 134, -0.675, NO, 0 132, -0.675, NO, 0 27, -0.675, NO, 0 29, -0.675, NO, 0	0.167, NO, 0 30, -0.675, 0.167, NO, 0, 0.167, NO, 0 32, -0.675, 0.167, NO, 0, 0.167, NO, 0 34, -0.675, 0.167, NO, 0, 0.167, NO, 0 36, -0.675, 0.167, NO, 0, 0.167, NO, 0 38, -0.675, 0.2, NO, 0, NO, 0 40, -0.675, 0.2, NO, 0, NO, 0 42, -0.675, 0.2, NO, 0, NO, 0 44, -0.675, 0.2, NO, 0, NO, 0 46, -0.675, 0.2, NO, 0, NO, 0 208, -0.675, 0.2, NO, 0, NO, 0 48, -0.675, 0.2, NO, 0 49, -0.675, 0.2, NO, 0, NO, 0 50, -0.675, 0.2, NO, 0 51, -0.675, 0.2, NO, 0, 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] or [CROWD] ; user: line 1 ; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2 ; [TRUCK/LANE] : 1, P, Qm, Qq ; truck(JTG) ; [TRUCK/LANE] : 2, P, Qm, Qq ; lane load1 ; [TRUCK/LANE] : 3, QK, Pk1, L1, Pk2, L2 ; lane load2 ; [TRUCK/LANE] : 4, dW, dD ; crawler type ; [TRUCK/LANE] : 5 ; GC type load ; [TRAIN/SUBWAY] : iTYPE, W1, D1, W2, D2 ; train-type1,3 ; [TRAIN/SUBWAY] : iTYPE, DD, FD, BD, MAINCOUNT ; train-type2 ; [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR ; subway ; [CROWD] : 1, dW1 ; crowd-type1 ; [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH ; crowd-type2 ; if Moving Load Type is India ; NAME=NAME, 1, TYPE=NAME, CODE ; standard ; NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST ; user: line 1 ; NAME=NAME, 2, bWTB, dD1, dD2, NDIST ; user: line 1 ; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2 ; if Moving Load Code is CANADA ; NAME=NAME, 1, TYPE=NAME, DLA, CODE, [DYNA] ; standard ; NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST, [DYNA] ; user: line 1 ; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2 ; [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE ; Dynamic Load Allowance ; if Moving Load Code is BS ; NAME=NAME, 1, TYPE=NAME, CODE, UNITNUM ; standard ; NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4 ; HA, HA & HB, HA & HB(Auto) ; NAME=NAME, 2, iSTYPE, W1, W2, W3, L, Pa, Pb, D1, D2, d, UNITNUM ; user(BS 5400) ; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BS-DATA-LF] ; user(HA) ; NAME=NAME, 2, iSTYPE, [BS-DATA-HB] ; user(HB) ; NAME=NAME, 2, iSTYPE, [BD37/01-HA2], [BS-DATA-HB2], [BS-DATA-LF] ; user(HA&HB) ; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BD37/01-HB], [BS-DATA-LF] ; user(HA&HB(AUTO)) ; NAME=NAME, 2, iSTYPE, W, L ; user(Pedestrian) ; NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1, P2, D2, ... ; user(Special Vehicle) ; [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa ; [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2 ; [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM ; [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM ; [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4 ; if Moving Load Code is EUROCODE
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```
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
*ENDDATA
```

■ 원정교 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, 8.234
2, 2.05, 0, 8.234
3, 4.3, 0, 8.234
4, 5.8, 0, 8.234
5, 7.3, 0, 8.234
6, 9.55, 0, 8.234
7, 11.6, 0, 8.234
8, 5.8, 0, 0
9, 5.8, 0, 6.734
*ELEMENT : Elements
: iEL, TYPE, IMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL,
iOPT(EXVAL2) : Frame Element
: iEL, TYPE, IMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL,
EXVAL2, bLMT : Comp/Tens Truss
: iEL, TYPE, IMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID ,
LCAXIS : Planar Element
: iEL, TYPE, IMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7,
iN8 : Solid Element
: iEL, TYPE, IMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ,
iSUB, EXVAL : Frame(Ref. Point)
1, BEAM , 1, 1, 1, 2, 0, 0
2, BEAM , 1, 2, 2, 3, 0, 0
3, BEAM , 1, 3, 3, 4, 0, 0
4, BEAM , 1, 3, 4, 5, 0, 0
5, BEAM , 1, 2, 5, 6, 0, 0
6, BEAM , 1, 1, 6, 7, 0, 0
7, BEAM , 1, 4, 9, 8, 0, 0
*MATERIAL : Material
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
bMASS, DAMPRATIO, [DATA1] : STEEL, CONC,
USER
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC
: [DATA1] : 1, DB, NAME, CODE
: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz,
Pxy, Pxz, Pyz, DEN, MASS : Orthotropic
: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,
THERMAL, DEN, MASS
1, CONC , C24 , 0, 0, , C, NO, 0.05,
1, KS01-Civil(RC), KCI-2012 , C24
*MATL-COLOR
: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 0, 255,
NO, 0.5
*SECTION : Section
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],
[DATA2] : 1st line - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,
..., D8, iCEL : 1st line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz
: 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERLOUT,
PERLIN, Cy, Cz : 3rd line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz
: 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,
DEN, POIS, POIC, SF, THERMAL : 1st line - SRC
: D1, D2, [SRC]
: 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,
NAME1, NAME2, D1, D2 : 1st line - COMBINED
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,
D12, D13, D14, D15, D21, D22, D23, D24
: iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,
izVAR, STYPE : 1st line - TAPERED
: DB, NAME1, NAME2
: 2nd line(STYPE=DB)
: [DIM1], [DIM2]
: 2nd line(STYPE=USER)
: D11, D12, D13, D14, D15, D16, D17, D18
: 2nd line(STYPE=VALUE)
: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1
: 3rd line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
PERLOUT1, PERLIN1, Cy1, Cz1 : 4th
line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,
Zyy2 : 5th line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28
```

```
: 6th line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
: 7th line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
PERLOUT2, PERLIN2, Cy2, Cz2 : 8th
line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,
Zzz2 : 9th line(STYPE=VALUE)
: OPT1, OPT2, [JOINT]
: 2nd line(STYPE=PSC)
: ELAST, DEN, POIS, POIC, THERMAL
: 2nd line(STYPE=PSC-CMPW)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
[WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
line(STYPE=PSC)
: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],
[CMPWEB-J] : 3rd
line(STYPE=PSC-CMPW)
: bUSERDEFMESHIZE, MESHIZE, bUSERINPSTIFF,
[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)
: [SIZE-A]-i
: 5th line(STYPE=PSC)
: [SIZE-B]-i
: 6th line(STYPE=PSC)
: [SIZE-C]-i
: 7th line(STYPE=PSC)
: [SIZE-D]-i
: 8th line(STYPE=PSC)
: [SIZE-A]-j
: 9th line(STYPE=PSC)
: [SIZE-B]-j
: 10th line(STYPE=PSC)
: [SIZE-C]-j
: 11th line(STYPE=PSC)
: [SIZE-D]-j
: 12th line(STYPE=PSC)
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMULTI, EsEc-L, EsEc-S : 2nd
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i,
tf2_i : 3rd line(STYPE=CMP-B/I)
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,
tf2_j : 4th line(STYPE=CMP-B/I)
: N1, N2, Hr, Hr2, tr1, tr2
: 5th line(STYPE=CMP-B)
: GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd,
Psb, bSYM, SW_j, SW_j : 2nd
line(STYPE=CMP-CI/CT)
: OPT1, OPT2, [JOINT]
: 3rd line(STYPE=CMP-CI/CT)
: [SIZE-A]-i
: 4th line(STYPE=CMP-CI/CT)
: [SIZE-B]-i
: 5th line(STYPE=CMP-CI/CT)
: [SIZE-C]-i
: 6th line(STYPE=CMP-CI/CT)
: [SIZE-D]-i
: 7th line(STYPE=CMP-CI/CT)
: [SIZE-A]-j
: 8th line(STYPE=CMP-CI/CT)
: [SIZE-B]-j
: 9th line(STYPE=CMP-CI/CT)
: [SIZE-C]-j
: 10th line(STYPE=CMP-CI/CT)
: [SIZE-D]-j
: 11th line(STYPE=CMP-CI/CT)
: iSEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2
: 1st line - CONSTRUCT
: SHAPE, ...(same with other type data from shape)
: Before (STYPE1)
: SHAPE, ...(same with other type data from shape)
: After (STYPE2)
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
: 1st line - COMPOSITE-SB
: Hw, tw, B, Bf1, tf1, B2, Bf2, tf2
: 2nd line
: N1, N2, Hr, Hr2, tr1, tr2
: 3rd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMulti, Elong, Esh : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
: 1st line - COMPOSITE-SI
: Hw, tw, B, tf1, B2, tf2
: 2nd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMulti, Elong, Esh : 3rd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
: 1st line - COMPOSITE-CI/CT
: OPT1, OPT2, [JOINT]
: 2nd line
: [SIZE-A]
: 3rd line
: [SIZE-B]
: 4th line
: [SIZE-C]
: 5th line
: [SIZE-D]
: 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb,
Pgd, Psb : 7th line
```

```
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
: 1st line - PSC
: OPT1, OPT2, [JOINT]
: 2nd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM,
bSIDEHOLE : 3rd line
: bUSERDEFMESHIZE, MESHIZE, bUSERINPSTIFF,
[STIFF] : 4th line
: [SIZE-A]
: 5th line
: [SIZE-B]
: 6th line
: [SIZE-C]
: 7th line
: [SIZE-D]
: 8th line
: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6,
D7, D8, D9, D10
: [DATA2] : CCSHAPE or ICEL or iN1, iN2
: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4,
D5, D6, D7, D8, D9, D10, iN1, iN2
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER,
iVERT, VUSER
: [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSERI,
HUSERJ, iVERT, VUSERI, VUSERJ
: [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM),
8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM),
6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM),
6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM),
10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM),
7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,
bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [CMPWEB] : EFD, LRF, A, B, H, T
1, DBUSER , 코핑1 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 1.527, 2.8, 0, 0, 0, 0, 0, 0
2, DBUSER , 코핑2 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 2.231, 2.8, 0, 0, 0, 0, 0, 0
3, DBUSER , 코핑3 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 3, 2.8, 0, 0, 0, 0, 0, 0
4, DBUSER , 기둥 , CC, 0, 0, 0, 0,
0, 0, YES, SR , 2, 3, 0, 0, 0, 0, 0, 0, 0
*SECT-COLOR
: iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
*DGN-SECT
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],
[DATA2] : 1st line - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,
..., D8, iCEL : 1st line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz
: 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERLOUT,
PERLIN, Cy, Cz : 3rd line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz
: 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST,
DEN, POIS, POIC, SF, THERMAL : 1st line - SRC
: D1, D2, [SRC]
: 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB,
NAME1, NAME2, D1, D2 : 1st line - COMBINED
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11,
D12, D13, D14, D15, D21, D22, D23, D24
: iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR,
izVAR, STYPE : 1st line - TAPERED
: DB, NAME1, NAME2
: 2nd line(STYPE=DB)
: [DIM1], [DIM2]
: 2nd line(STYPE=USER)
: D11, D12, D13, D14, D15, D16, D17, D18
: 2nd line(STYPE=VALUE)
: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1
: 3rd line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
PERLOUT1, PERLIN1, Cy1, Cz1 : 4th
line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1,
Zyy2 : 5th line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28
: 6th line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
: 7th line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
PERLOUT2, PERLIN2, Cy2, Cz2 : 8th
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line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2,
Zzz2 : 9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT]
; : 2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL
; : 2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
[WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I],
[CMPWEB-J] : 3rd
line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)
; [SIZE-A]-I
; : 5th line(STYPE=PSC)
; [SIZE-B]-I
; : 6th line(STYPE=PSC)
; [SIZE-C]-I
; : 7th line(STYPE=PSC)
; [SIZE-D]-I
; : 8th line(STYPE=PSC)
; [SIZE-A]-J
; : 9th line(STYPE=PSC)
; [SIZE-B]-J
; : 10th line(STYPE=PSC)
; [SIZE-C]-J
; : 11th line(STYPE=PSC)
; [SIZE-D]-J
; : 12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMULTI, EsEc-L, EsEc-S : 2nd
line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,
tf2_j : 3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j,
tf2_j : 4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2
; : 5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd,
Psb, bSYM, SW_j, SW_j : 2nd
line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT]
; : 3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-I
; : 4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-I
; : 5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-I
; : 6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-I
; : 7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-J
; : 8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-J
; : 9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-J
; : 10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-J
; : 11th line(STYPE=CMP-CI/CT)
; ISEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2
; : 1st line - CONSTRUCT
; SHAPE, ...(same with other type data from shape)
; : Before (STYPE1)
; SHAPE, ...(same with other type data from shape)
; : After (STYPE2)
; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
; : 1st line - COMPOSITE-SB
; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2
; : 2nd line
; N1, N2, Hr, Hr2, tr1, tr2
; : 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMulti, Elong, Esh : 4th line
; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
; : 1st line - COMPOSITE-SI
; Hw, tw, B, tf1, B2, tf2
; : 2nd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMulti, Elong, Esh : 3rd line
; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
; : 1st line - COMPOSITE-CI/CT
; OPT1, OPT2, [JOINT]
; : 2nd line
; [SIZE-A]
; : 3rd line
; [SIZE-B]
; : 4th line
; [SIZE-C]
; : 5th line
; [SIZE-D]
; : 6th line
; SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb,
Pgd, Psb : 7th line
; ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE
; : 1st line - PSC
; OPT1, OPT2, [JOINT]
; : 2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM,

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bSIDEHOLE : 3rd line
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
[STIFF] : 4th line
; [SIZE-A]
; : 5th line
; [SIZE-B]
; : 6th line
; [SIZE-C]
; : 7th line
; [SIZE-D]
; : 8th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6,
D7, D8, D9, D10
; [DATA2] : CCSHAPE or ICEL or IN1, IN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4,
D5, D6, D7, D8, D9, D10, IN1, IN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, ICENT, IREF, IHORZ, HUSER,
IVERT, VUSER
; [OFFSET2] : OFFSET, ICENT, IREF, IHORZ, HUSERI,
HUSERJ, IVERT, VUSERI, VUSERJ
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM),
8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM),
6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM),
6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM),
10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM),
7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,
bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; 1, DBUSER, 코핑1, CC, 0, 0, 0, 0,
0, 0, YES, SB, 2, 1.527, 2.8, 0, 0, 0, 0, 0, 0
; 2, DBUSER, 코핑2, CC, 0, 0, 0, 0,
0, 0, YES, SB, 2, 2.231, 2.8, 0, 0, 0, 0, 0, 0
; 3, DBUSER, 코핑3, CC, 0, 0, 0, 0,
0, 0, YES, SB, 2, 3, 2.8, 0, 0, 0, 0, 0, 0
; 4, DBUSER, 기둥, CC, 0, 0, 0, 0,
0, 0, YES, SR, 2, 3, 0, 0, 0, 0, 0, 0, 0
; *STLDCASE : Static Load Cases
; LCNAME, LCTYPE, DESC
; D, USER,
L, USER,
W-TR, USER,
WL, USER,
W-LO, USER,
; *CONSTRAINT : Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
8, 111111,
; *RIGIDLINK : Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
4, 111111, 9,
; *USE-STLD, D
; *SELFWEIGHT, X, Y, Z, GROUP
; *SELFWEIGHT, 0, 0, -1,
; *CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
2, 0, 0, -3741.18, 0, 0, 0,
6, 0, 0, -3448.5, 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
2, 0, 0, -672.992, 0, 0, 0,
6, 0, 0, -802.08, 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, 26.46, 0, 0, 0, 0, 0,
2, 263.925, 0, 0, 0, 815.529, 0,
6, 263.925, 0, 0, 0, 815.529, 0,
; *BEAMLOAD : Element Beam Loads
; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN],
[VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ,
bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN] : bECCEN, ECCDIR, I-END, J-END,
bJ-END
; [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END,
ADDITIONAL_J-END, bADDITIONAL_J-END
; 7, LINE, UNILoad, GX, NO, NO, aDir[1], . . . , 0,
4.5, 1, 4.5, 0, 0, 0, 0, . . . , NO, 0, 0, NO,
; End of data for load case [W-TR]
; -----
; *USE-STLD, WL
; *CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
2, 31.875, 0, 0, 0, 175.472, 0,
6, 31.875, 0, 0, 0, 175.472, 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,
10.1475, 0.0380488, 10.1475, 0, 0, 0, 0, . . . , NO, 0, 0, NO,
1, LINE, UNILoad, GY, NO, NO, aDir[1], . . . ,
0.0380488, 10.1475, 1, 10.1475, 0, 0, 0, 0, . . . , NO, 0, 0,
NO,
2, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
11.1375, 1, 11.1375, 0, 0, 0, 0, . . . , NO, 0, 0, NO,
3, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
14.85, 1, 14.85, 0, 0, 0, 0, . . . , NO, 0, 0, NO,
4, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
14.85, 1, 14.85, 0, 0, 0, 0, . . . , NO, 0, 0, NO,
5, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
11.1375, 1, 11.1375, 0, 0, 0, 0, . . . , NO, 0, 0, NO,
6, LINE, UNILoad, GY, NO, NO, aDir[1], . . . ,
0.952683, 10.1475, 1, 10.1475, 0, 0, 0, 0, . . . , NO, 0, 0,
NO,
6, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
10.1475, 0.952683, 10.1475, 0, 0, 0, 0, . . . , NO, 0, 0, NO,
7, LINE, UNILoad, GY, NO, NO, aDir[1], . . . , 0,
4.5, 1, 4.5, 0, 0, 0, 0, . . . , NO, 0, 0, NO,
; End of data for load case [W-LO]
; -----
*LOADCOMB : Combinations
; NAME=NAME, KIND, ACTIVE, bES, ITYPE, DESC,
ISERV-TYPE, nLCOMTYPE : line 1
; ANAL1, LCNAME1, FACT1, ...
; : from line 2
NAME=ULB01, GEN, ACTIVE, 0, 0, . . . , 0
ST, D, 1.3, ST, L, 2.15
NAME=ULB03(교직), GEN, ACTIVE, 0, 0, . . . , 0
ST, D, 1.3, ST, W-TR, 1.3
NAME=ULB03(교축), GEN, ACTIVE, 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, 0, 192, 148, 87, 255, 160, 255, 255
ST, L, 192, 0, 192, 192, 0, 128, 192, 72, 0
ST, W-TR, 255, 255, 87, 255, 0, 192, 192, 0, 128
ST, WL, 93, 255, 87, 192, 0, 128, 255, 87, 87
ST, W-LO, 192, 0, 128, 163, 255, 160, 255, 128, 0
CB, ULB01, 160, 255, 255, 85, 0, 192, 128, 192, 0
CB, ULB03(교직), 160, 255, 255, 148, 87, 255, 128,
192, 0
CB, ULB03(교축), 0, 192, 192, 0, 192, 128, 0, 128, 57
; *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, NO, 1, . . .
0, 0, 0
; *ENDDATA

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■ 원정교 부산방향(P2) 하부 input

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: MIDAS/Civil Text(MCT) File.
: Date : 2016/1/8
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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, 8.433
2, 2.05, 0, 8.433
3, 4.3, 0, 8.433
4, 5.8, 0, 8.433
5, 7.3, 0, 8.433
6, 9.55, 0, 8.433
7, 11.6, 0, 8.433
8, 5.8, 0, 0
9, 5.8, 0, 6.933
*ELEMENT : Elements
: iEL, TYPE, IMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL,
iOPT(EXVAL2) : Frame Element
: iEL, TYPE, IMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL,
EXVAL2, bLMT : Comp/Tens Truss
: iEL, TYPE, IMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID ,
LCAXIS : Planar Element
: iEL, TYPE, IMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7,
iN8 : Solid Element
: iEL, TYPE, IMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ,
iSUB, EXVAL : Frame(Ref. Point)
1, BEAM , 1, 1, 1, 2, 0, 0
2, BEAM , 1, 2, 2, 3, 0, 0
3, BEAM , 1, 3, 3, 4, 0, 0
4, BEAM , 1, 3, 4, 5, 0, 0
5, BEAM , 1, 2, 5, 6, 0, 0
6, BEAM , 1, 1, 6, 7, 0, 0
7, BEAM , 1, 4, 9, 8, 0, 0
*MATERIAL : Material
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
bMASS, DAMPRATIO, [DATA1] : STEEL, CONC,
USER
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT,
bMASS, DAMPRATIO, [DATA2], [DATA2] : SRC
: [DATA1] : 1, DB, NAME, CODE
: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz,
Pxy, Pxz, Pyz, DEN, MASS : Orthotropic
: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN,
THERMAL, DEN, MASS
1, CONC , C24 , 0, 0, , C, NO, 0.05,
1, KS01-Civil(RC), KCI-2012 , C24
*MATL-COLOR
: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 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)
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: 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)
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF,
[STIFF-I], [STIFF-J] : 4th line(STYPE=PSC)
: [SIZE-A]-i
: 5th line(STYPE=PSC)
: [SIZE-B]-i
: 6th line(STYPE=PSC)
: [SIZE-C]-i
: 7th line(STYPE=PSC)
: [SIZE-D]-i
: 8th line(STYPE=PSC)
: [SIZE-A]-j
: 9th line(STYPE=PSC)
: [SIZE-B]-j
: 10th line(STYPE=PSC)
: [SIZE-C]-j
: 11th line(STYPE=PSC)
: [SIZE-D]-j
: 12th line(STYPE=PSC)
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMULTI, EsEc-L, EsEc-S : 2nd
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i,
tf2_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]
: 2nd line
: [SIZE-A]
: 3rd line
: [SIZE-B]
: 4th line
: [SIZE-C]
: 5th line
: [SIZE-D]
: 6th line
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: SW, GN, CTC, Bc, Tc, Hh, 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(1CELL, 2CELL), 13(3CELL), 9(PSCM),
8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM),
6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM),
6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM),
10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM),
7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1,
bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [CMPWEB] : EFD, LRF, A, B, H, T
1, DBUSER , 코핑1 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 1.527, 2.8, 0, 0, 0, 0, 0, 0
2, DBUSER , 코핑2 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 2.231, 2.8, 0, 0, 0, 0, 0, 0
3, DBUSER , 코핑3 , CC, 0, 0, 0, 0,
0, 0, YES, SB , 2, 3, 2.8, 0, 0, 0, 0, 0, 0
4, DBUSER , 기둥 , CC, 0, 0, 0, 0,
0, 0, YES, SR , 2, 3, 0, 0, 0, 0, 0, 0, 0
*SECT-COLOR
: iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R,
HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255,
NO, 0.5
*DGN-SECT
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1],
[DATA2] : 1st line - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1,
..., D8, iCEL : 1st line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz
: 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT,
PERI_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
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