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; MIDAS/Civil Text(MCT) File.
; Date : 2014/7/12
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*VERSION
8.3.1
*UNIT      ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
KN      , M, BTU, F
*PROJINFO   ; Project Information
USER=User
ADDRESS=Computer
*STRUCTYPE  ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB, bROTRIGID
0, 1, 3, NO, YES, 9.806, 0, NO, NO, NO
*REBAR-MATL-CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
ASTM(RC), Grade 60, ASTM(RC), Grade 60
*NODE      ; Nodes
; iNO, X, Y, Z
1, 0, 0, 0
2, 0, 3.225, 0
3, 0, 6.45, 0
4, 0, 9.675, 0
5, 0, 12.9, 0
6, 5, 0, 0
7, 5, 3.225, 0
8, 5, 6.45, 0
9, 5, 9.675, 0
10, 5, 12.9, 0
11, 10, 0, 0
12, 10, 3.225, 0
13, 10, 6.45, 0
14, 10, 9.675, 0
15, 10, 12.9, 0
16, 15, 0, 0
17, 15, 3.225, 0
18, 15, 6.45, 0
19, 15, 9.675, 0
20, 15, 12.9, 0
21, 20, 0, 0
22, 20, 3.225, 0
23, 20, 6.45, 0
24, 20, 9.675, 0
25, 20, 12.9, 0
26, 25, 0, 0
27, 25, 3.225, 0
28, 25, 6.45, 0
29, 25, 9.675, 0
30, 25, 12.9, 0
31, 30, 0, 0
32, 30, 3.225, 0
33, 30, 6.45, 0
34, 30, 9.675, 0
35, 30, 12.9, 0
36, 35, 0, 0
37, 35, 3.225, 0
38, 35, 6.45, 0
39, 35, 9.675, 0
40, 35, 12.9, 0
41, 40, 0, 0
42, 40, 3.225, 0
43, 40, 6.45, 0
44, 40, 9.675, 0
45, 40, 12.9, 0
46, 45, 0, 0
47, 45, 3.225, 0
48, 45, 6.45, 0
49, 45, 9.675, 0
50, 45, 12.9, 0
51, 50, 0, 0
52, 50, 3.225, 0
53, 50, 6.45, 0
54, 50, 9.675, 0
55, 50, 12.9, 0
56, 55, 0, 0
57, 55, 3.225, 0
58, 55, 6.45, 0
59, 55, 9.675, 0
60, 55, 12.9, 0
61, 60, 0, 0
62, 60, 3.225, 0
63, 60, 6.45, 0
64, 60, 9.675, 0
65, 60, 12.9, 0
66, 65, 0, 0
67, 65, 3.225, 0
68, 65, 6.45, 0
69, 65, 9.675, 0
70, 65, 12.9, 0
71, 70, 0, 0
72, 70, 3.225, 0
73, 70, 6.45, 0
74, 70, 9.675, 0
75, 70, 12.9, 0
76, 75, 0, 0
77, 75, 3.225, 0
78, 75, 6.45, 0
79, 75, 9.675, 0
80, 75, 12.9, 0
81, 80, 0, 0
82, 80, 3.225, 0
83, 80, 6.45, 0
84, 80, 9.675, 0
85, 80, 12.9, 0
86, 85, 0, 0
87, 85, 3.225, 0
88, 85, 6.45, 0
89, 85, 9.675, 0
90, 85, 12.9, 0
91, 90, 0, 0
92, 90, 3.225, 0
93, 90, 6.45, 0
94, 90, 9.675, 0
95, 90, 12.9, 0
96, 95, 0, 0

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97, 95, 3.225, 0
98, 95, 6.45, 0
99, 95, 9.675, 0
100, 95, 12.9, 0
101, 100, 0, 0
102, 100, 3.225, 0
103, 100, 6.45, 0
104, 100, 9.675, 0
105, 100, 12.9, 0
106, 105, 0, 0
107, 105, 3.225, 0
108, 105, 6.45, 0
109, 105, 9.675, 0
110, 105, 12.9, 0
111, 110, 0, 0
112, 110, 3.225, 0
113, 110, 6.45, 0
114, 110, 9.675, 0
115, 110, 12.9, 0
116, 115, 0, 0
117, 115, 3.225, 0
118, 115, 6.45, 0
119, 115, 9.675, 0
120, 115, 12.9, 0
121, 120, 0, 0
122, 120, 3.225, 0
123, 120, 6.45, 0
124, 120, 9.675, 0
125, 120, 12.9, 0
126, 34.375, 0, 0
127, 34.375, 6.45, 0
128, 34.375, 12.9, 0
129, 85.625, 0, 0
130, 85.625, 6.45, 0
131, 85.625, 12.9, 0
132, 46.625, 0, 0
133, 46.625, 6.45, 0
134, 46.625, 12.9, 0
135, 73.375, 0, 0
136, 73.375, 6.45, 0
137, 73.375, 12.9, 0
138, 52.25, 0, 0
139, 52.25, 6.45, 0
140, 52.25, 12.9, 0
141, 67.75, 0, 0
142, 67.75, 6.45, 0
143, 67.75, 12.9, 0
144, 0.45, 0, 0
145, 0.45, 3.225, 0
146, 0.45, 6.45, 0
147, 0.45, 9.675, 0
148, 0.45, 12.9, 0
149, 119.55, 0, 0
150, 119.55, 3.225, 0
151, 119.55, 6.45, 0
152, 119.55, 9.675, 0
153, 119.55, 12.9, 0

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*ELEMENT : Elements

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; 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 : 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, 8, 1, 144, 0
2, BEAM , 1, 7, 2, 145, 0
3, BEAM , 1, 1, 3, 146, 0
4, BEAM , 1, 7, 4, 147, 0
5, BEAM , 1, 8, 5, 148, 0
6, BEAM , 1, 9, 6, 11, 0
7, BEAM , 1, 7, 7, 12, 0
8, BEAM , 1, 2, 8, 13, 0
9, BEAM , 1, 7, 9, 14, 0
10, BEAM , 1, 9, 10, 15, 0
11, BEAM , 1, 9, 11, 16, 0
12, BEAM , 1, 7, 12, 17, 0
13, BEAM , 1, 2, 13, 18, 0
14, BEAM , 1, 7, 14, 19, 0
15, BEAM , 1, 9, 15, 20, 0
16, BEAM , 1, 9, 16, 21, 0
17, BEAM , 1, 7, 17, 22, 0
18, BEAM , 1, 2, 18, 23, 0
19, BEAM , 1, 7, 19, 24, 0
20, BEAM , 1, 9, 20, 25, 0
21, BEAM , 1, 9, 21, 26, 0
22, BEAM , 1, 7, 22, 27, 0
23, BEAM , 1, 2, 23, 28, 0
24, BEAM , 1, 7, 24, 29, 0
25, BEAM , 1, 9, 25, 30, 0
26, BEAM , 1, 9, 26, 31, 0
27, BEAM , 1, 7, 27, 32, 0
28, BEAM , 1, 2, 28, 33, 0
29, BEAM , 1, 7, 29, 34, 0
30, BEAM , 1, 9, 30, 35, 0
31, BEAM , 1, 10, 31, 126, 0
32, BEAM , 1, 7, 32, 37, 0
33, BEAM , 1, 3, 33, 127, 0
34, BEAM , 1, 7, 34, 39, 0
35, BEAM , 1, 10, 35, 128, 0
36, BEAM , 1, 11, 36, 41, 0
37, BEAM , 1, 7, 37, 42, 0
38, BEAM , 1, 4, 38, 43, 0
39, BEAM , 1, 7, 39, 44, 0
40, BEAM , 1, 11, 40, 45, 0
41, BEAM , 1, 11, 41, 46, 0
42, BEAM , 1, 7, 42, 47, 0
43, BEAM , 1, 4, 43, 48, 0
44, BEAM , 1, 7, 44, 49, 0
45, BEAM , 1, 11, 45, 50, 0
46, BEAM , 1, 11, 46, 132, 0
47, BEAM , 1, 7, 47, 52, 0
48, BEAM , 1, 4, 48, 133, 0
49, BEAM , 1, 7, 49, 54, 0
50, BEAM , 1, 11, 50, 134, 0
51, BEAM , 1, 10, 51, 138, 0
52, BEAM , 1, 7, 52, 57, 0
53, BEAM , 1, 3, 53, 139, 0

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54, BEAM	,	1,	7,	54,	59,	0
55, BEAM	,	1,	10,	55,	140,	0
56, BEAM	,	1,	12,	56,	61,	0
57, BEAM	,	1,	7,	57,	62,	0
58, BEAM	,	1,	5,	58,	63,	0
59, BEAM	,	1,	7,	59,	64,	0
60, BEAM	,	1,	12,	60,	65,	0
61, BEAM	,	1,	12,	61,	66,	0
62, BEAM	,	1,	7,	62,	67,	0
63, BEAM	,	1,	5,	63,	68,	0
64, BEAM	,	1,	7,	64,	69,	0
65, BEAM	,	1,	12,	65,	70,	0
66, BEAM	,	1,	12,	66,	141,	0
67, BEAM	,	1,	7,	67,	72,	0
68, BEAM	,	1,	5,	68,	142,	0
69, BEAM	,	1,	7,	69,	74,	0
70, BEAM	,	1,	12,	70,	143,	0
71, BEAM	,	1,	10,	71,	135,	0
72, BEAM	,	1,	7,	72,	77,	0
73, BEAM	,	1,	3,	73,	136,	0
74, BEAM	,	1,	7,	74,	79,	0
75, BEAM	,	1,	10,	75,	137,	0
76, BEAM	,	1,	11,	76,	81,	0
77, BEAM	,	1,	7,	77,	82,	0
78, BEAM	,	1,	4,	78,	83,	0
79, BEAM	,	1,	7,	79,	84,	0
80, BEAM	,	1,	11,	80,	85,	0
81, BEAM	,	1,	11,	81,	86,	0
82, BEAM	,	1,	7,	82,	87,	0
83, BEAM	,	1,	4,	83,	88,	0
84, BEAM	,	1,	7,	84,	89,	0
85, BEAM	,	1,	11,	85,	90,	0
86, BEAM	,	1,	11,	86,	129,	0
87, BEAM	,	1,	7,	87,	92,	0
88, BEAM	,	1,	4,	88,	130,	0
89, BEAM	,	1,	7,	89,	94,	0
90, BEAM	,	1,	11,	90,	131,	0
91, BEAM	,	1,	9,	91,	96,	0
92, BEAM	,	1,	7,	92,	97,	0
93, BEAM	,	1,	2,	93,	98,	0
94, BEAM	,	1,	7,	94,	99,	0
95, BEAM	,	1,	9,	95,	100,	0
96, BEAM	,	1,	9,	96,	101,	0
97, BEAM	,	1,	7,	97,	102,	0
98, BEAM	,	1,	2,	98,	103,	0
99, BEAM	,	1,	7,	99,	104,	0
100, BEAM	,	1,	9,	100,	105,	0
101, BEAM	,	1,	9,	101,	106,	0
102, BEAM	,	1,	7,	102,	107,	0
103, BEAM	,	1,	2,	103,	108,	0
104, BEAM	,	1,	7,	104,	109,	0
105, BEAM	,	1,	9,	105,	110,	0
106, BEAM	,	1,	9,	106,	111,	0
107, BEAM	,	1,	7,	107,	112,	0
108, BEAM	,	1,	2,	108,	113,	0
109, BEAM	,	1,	7,	109,	114,	0
110, BEAM	,	1,	9,	110,	115,	0
111, BEAM	,	1,	9,	111,	116,	0

112, BEAM	,	1,	7,	112,	117,	0
113, BEAM	,	1,	2,	113,	118,	0
114, BEAM	,	1,	7,	114,	119,	0
115, BEAM	,	1,	9,	115,	120,	0
116, BEAM	,	1,	8,	116,	149,	0
117, BEAM	,	1,	7,	117,	150,	0
118, BEAM	,	1,	1,	118,	151,	0
119, BEAM	,	1,	7,	119,	152,	0
120, BEAM	,	1,	8,	120,	153,	0
121, BEAM	,	2,	6,	144,	145,	0
122, BEAM	,	2,	6,	6,	7,	0
123, BEAM	,	2,	6,	11,	12,	0
124, BEAM	,	2,	6,	16,	17,	0
125, BEAM	,	2,	6,	21,	22,	0
126, BEAM	,	2,	6,	26,	27,	0
127, BEAM	,	2,	6,	31,	32,	0
128, BEAM	,	2,	6,	36,	37,	0
129, BEAM	,	2,	6,	41,	42,	0
130, BEAM	,	2,	6,	46,	47,	0
131, BEAM	,	2,	6,	51,	52,	0
132, BEAM	,	2,	6,	56,	57,	0
133, BEAM	,	2,	6,	61,	62,	0
134, BEAM	,	2,	6,	66,	67,	0
135, BEAM	,	2,	6,	71,	72,	0
136, BEAM	,	2,	6,	76,	77,	0
137, BEAM	,	2,	6,	81,	82,	0
138, BEAM	,	2,	6,	86,	87,	0
139, BEAM	,	2,	6,	91,	92,	0
140, BEAM	,	2,	6,	96,	97,	0
141, BEAM	,	2,	6,	101,	102,	0
142, BEAM	,	2,	6,	106,	107,	0
143, BEAM	,	2,	6,	111,	112,	0
144, BEAM	,	2,	6,	116,	117,	0
145, BEAM	,	2,	6,	149,	150,	0
146, BEAM	,	2,	6,	145,	146,	0
147, BEAM	,	2,	6,	7,	8,	0
148, BEAM	,	2,	6,	12,	13,	0
149, BEAM	,	2,	6,	17,	18,	0
150, BEAM	,	2,	6,	22,	23,	0
151, BEAM	,	2,	6,	27,	28,	0
152, BEAM	,	2,	6,	32,	33,	0
153, BEAM	,	2,	6,	37,	38,	0
154, BEAM	,	2,	6,	42,	43,	0
155, BEAM	,	2,	6,	47,	48,	0
156, BEAM	,	2,	6,	52,	53,	0
157, BEAM	,	2,	6,	57,	58,	0
158, BEAM	,	2,	6,	62,	63,	0
159, BEAM	,	2,	6,	67,	68,	0
160, BEAM	,	2,	6,	72,	73,	0
161, BEAM	,	2,	6,	77,	78,	0
162, BEAM	,	2,	6,	82,	83,	0
163, BEAM	,	2,	6,	87,	88,	0
164, BEAM	,	2,	6,	92,	93,	0
165, BEAM	,	2,	6,	97,	98,	0
166, BEAM	,	2,	6,	102,	103,	0
167, BEAM	,	2,	6,	107,	108,	0
168, BEAM	,	2,	6,	112,	113,	0
169, BEAM	,	2,	6,	117,	118,	0

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170, BEAM , 2, 6, 150, 151, 0
171, BEAM , 2, 6, 146, 147, 0
172, BEAM , 2, 6, 8, 9, 0
173, BEAM , 2, 6, 13, 14, 0
174, BEAM , 2, 6, 18, 19, 0
175, BEAM , 2, 6, 23, 24, 0
176, BEAM , 2, 6, 28, 29, 0
177, BEAM , 2, 6, 33, 34, 0
178, BEAM , 2, 6, 38, 39, 0
179, BEAM , 2, 6, 43, 44, 0
180, BEAM , 2, 6, 48, 49, 0
181, BEAM , 2, 6, 53, 54, 0
182, BEAM , 2, 6, 58, 59, 0
183, BEAM , 2, 6, 63, 64, 0
184, BEAM , 2, 6, 68, 69, 0
185, BEAM , 2, 6, 73, 74, 0
186, BEAM , 2, 6, 78, 79, 0
187, BEAM , 2, 6, 83, 84, 0
188, BEAM , 2, 6, 88, 89, 0
189, BEAM , 2, 6, 93, 94, 0
190, BEAM , 2, 6, 98, 99, 0
191, BEAM , 2, 6, 103, 104, 0
192, BEAM , 2, 6, 108, 109, 0
193, BEAM , 2, 6, 113, 114, 0
194, BEAM , 2, 6, 118, 119, 0
195, BEAM , 2, 6, 151, 152, 0
196, BEAM , 2, 6, 147, 148, 0
197, BEAM , 2, 6, 9, 10, 0
198, BEAM , 2, 6, 14, 15, 0
199, BEAM , 2, 6, 19, 20, 0
200, BEAM , 2, 6, 24, 25, 0
201, BEAM , 2, 6, 29, 30, 0
202, BEAM , 2, 6, 34, 35, 0
203, BEAM , 2, 6, 39, 40, 0
204, BEAM , 2, 6, 44, 45, 0
205, BEAM , 2, 6, 49, 50, 0
206, BEAM , 2, 6, 54, 55, 0
207, BEAM , 2, 6, 59, 60, 0
208, BEAM , 2, 6, 64, 65, 0
209, BEAM , 2, 6, 69, 70, 0
210, BEAM , 2, 6, 74, 75, 0
211, BEAM , 2, 6, 79, 80, 0
212, BEAM , 2, 6, 84, 85, 0
213, BEAM , 2, 6, 89, 90, 0
214, BEAM , 2, 6, 94, 95, 0
215, BEAM , 2, 6, 99, 100, 0
216, BEAM , 2, 6, 104, 105, 0
217, BEAM , 2, 6, 109, 110, 0
218, BEAM , 2, 6, 114, 115, 0
219, BEAM , 2, 6, 119, 120, 0
220, BEAM , 2, 6, 152, 153, 0
221, BEAM , 1, 11, 126, 36, 0
222, BEAM , 1, 4, 127, 38, 0
223, BEAM , 1, 11, 128, 40, 0
224, BEAM , 1, 10, 129, 91, 0
225, BEAM , 1, 3, 130, 93, 0
226, BEAM , 1, 10, 131, 95, 0
227, BEAM , 1, 10, 132, 51, 0

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228, BEAM , 1, 3, 133, 53, 0
229, BEAM , 1, 10, 134, 55, 0
230, BEAM , 1, 11, 135, 76, 0
231, BEAM , 1, 4, 136, 78, 0
232, BEAM , 1, 11, 137, 80, 0
233, BEAM , 1, 12, 138, 56, 0
234, BEAM , 1, 5, 139, 58, 0
235, BEAM , 1, 12, 140, 60, 0
236, BEAM , 1, 10, 141, 71, 0
237, BEAM , 1, 3, 142, 73, 0
238, BEAM , 1, 10, 143, 75, 0
239, BEAM , 1, 8, 153, 125, 0
240, BEAM , 1, 7, 152, 124, 0
241, BEAM , 1, 1, 151, 123, 0
242, BEAM , 1, 7, 150, 122, 0
243, BEAM , 1, 8, 149, 121, 0
244, BEAM , 1, 8, 148, 10, 0
245, BEAM , 1, 7, 147, 9, 0
246, BEAM , 1, 1, 146, 8, 0
247, BEAM , 1, 7, 145, 7, 0
248, BEAM , 1, 8, 144, 6, 0

*GROUP : Group
: NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
가로보1 , , 196to220, 0
가로보2 , , 121to145, 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, USER , SWS50:주부재 , 0, 0, , C, NO, 0, 2, 2.0594e+008, 0.3, 6.6667e-006, 100.126, 0
2, USER , SWS41:보강재 , 0, 0, , C, NO, 0, 2, 2.0594e+008, 0.3, 6.6667e-006, 100.077, 0

*MATL-COLOR
: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 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

*SECTION : Section
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] : 1st line - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL : 1st line - VALUE
: AREA, ASy, ASz, Ixx, Iyy, Izz : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF : 1st line - SRC
: D1, D2, [SRC] : 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 : 1st line - COMBINED
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
: iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE : 1st line - TAPERED
: DB, NAME1, NAME2 : 2nd line(STYPE=DB)
: [DIM1], [DIM2] : 2nd line(STYPE=USER)
: D11, D12, D13, D14, D15, D16, D17, D18 : 2nd line(STYPE=VALUE)
: AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 : 3rd line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 : 5th line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28 : 6th line(STYPE=VALUE)
: AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 : 7th line(STYPE=VALUE)

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; 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                                              ; 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_j, 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 Esh, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j   ; 2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT]                                                  ; 3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i                                                           ; 4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i                                                           ; 5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i                                                           ; 6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i                                                           ; 7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j                                                           ; 8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j                                                           ; 9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j                                                           ; 10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j                                                           ; 11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2                    ; 1st line - CONSTRUCT
; SHAPE, ...(same with other type data from shape)                   ; Before (STYPE1)
; SHAPE, ...(same with other type data from shape)                   ; After (STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                             ; 1st line - COMPOSITE-SB
; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2                                   ; 2nd line
; N1, N2, Hr, Hr2, tr1, tr2                                           ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh    ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                             ; 1st line - COMPOSITE-SI
; Hw, tw, B, tf1, B2, tf2                                             ; 2nd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh    ; 3rd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                             ; 1st line - COMPOSITE-CI/CT
; OPT1, OPT2, [JOINT]                                                  ; 2nd line
; [SIZE-A]                                                             ; 3rd line
; [SIZE-B]                                                             ; 4th line
; [SIZE-C]                                                             ; 5th line
; [SIZE-D]                                                             ; 6th line
; SW, GN, CTC, Bc, Tc, Hh, EgD Esh, 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

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; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
1, COMPOSITE , 1 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.01, 2.2, 0.1, 0.01
0, 0, 0, 0, 0, 0
0
0
0
17.5, 3, 6.45, 6.7, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
2, COMPOSITE , 2 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.016, 2.2, 0.1, 0.016
0, 0, 0, 0, 0, 0
0
0
0
17.5, 3, 6.45, 6.7, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
3, COMPOSITE , 3 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.01, 2.2, 0.1, 0.01
0, 0, 0, 0, 0, 0
0
0
0
17.5, 3, 6.45, 6.7, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
4, COMPOSITE , 4 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.018, 2.2, 0.1, 0.018
0, 0, 0, 0, 0, 0
0
0
0
17.5, 3, 6.45, 6.7, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
5, COMPOSITE , 5 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.012, 2.2, 0.1, 0.012
0, 0, 0, 0, 0, 0
0
0
0
17.5, 3, 6.45, 6.7, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
6, DBUSER , 가로보 , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.02, 0.4, 0.01, 0.01, 0.4, 0.01, 0, 0, 0, 0
7, DBUSER , 세로보 , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.52, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0, 0, 0

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8, COMPOSITE , 1-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.01, 2.2, 0.1, 0.01
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 5.4, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
9, COMPOSITE , 1-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.016, 2.2, 0.1, 0.016
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 5.4, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
10, COMPOSITE , 1-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.01, 2.2, 0.1, 0.01
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 5.4, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
11, COMPOSITE , 1-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.018, 2.2, 0.1, 0.018
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 5.4, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
12, COMPOSITE , 1-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.012, 2.2, 0.1, 0.012
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 5.4, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
5, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
6, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
7, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
8, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
9, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
10, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
11, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

12, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] ; 1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL ; 1st line - VALUE
; AREA, ASy, ASz, Ixx, Iyy, Izz ; 2nd line
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ; 3rd line
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF ; 1st line - SRC
; D1, D2, [SRC] ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE ; 1st line - TAPERED
; DB, NAME1, NAME2 ; 2nd line(STYPE=DB)
; [DIM1], [DIM2] ; 2nd line(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ; 2nd line(STYPE=VALUE)
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ; 3rd line(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th line(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ; 5th line(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ; 6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 ; 7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ; 9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ; 2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC ; 2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ; 3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th line(STYPE=PSC)
; [SIZE-A]-i ; 5th line(STYPE=PSC)
; [SIZE-B]-i ; 6th line(STYPE=PSC)
; [SIZE-C]-i ; 7th line(STYPE=PSC)
; [SIZE-D]-i ; 8th line(STYPE=PSC)
; [SIZE-A]-j ; 9th line(STYPE=PSC)
; [SIZE-B]-j ; 10th line(STYPE=PSC)
; [SIZE-C]-j ; 11th line(STYPE=PSC)
; [SIZE-D]-j ; 12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ; 2nd line(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ; 3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ; 4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ; 5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, 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]-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

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; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 3rd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line - COMPOSITE-CI/CT
; OPT1, OPT2, [JOINT] ; 2nd line
; [SIZE-A] ; 3rd line
; [SIZE-B] ; 4th line
; [SIZE-C] ; 5th line
; [SIZE-D] ; 6th line
; SW, GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb, Pgd, Psb ; 7th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st line - PSC
; OPT1, OPT2, [JOINT] ; 2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ; 3rd line
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] ; 4th line
; [SIZE-A] ; 5th line
; [SIZE-B] ; 6th line
; [SIZE-C] ; 7th line
; [SIZE-D] ; 8th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER, VUSERJ
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
1, COMPOSITE , 1 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.01, 2.2, 0.1, 0.01
0, 0, 0, 0, 0, 0
0
0
0
0
0
0
17.5, 3, 6.45, 6.7, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
2, COMPOSITE , 2 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.016, 2.2, 0.1, 0.016
0, 0, 0, 0, 0, 0
0
0
0
0
0
0
17.5, 3, 6.45, 6.7, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
3, COMPOSITE , 3 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.01, 2.2, 0.1, 0.01
0, 0, 0, 0, 0, 0
0
0
0
0
0
0
17.5, 3, 6.45, 6.7, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,

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4, COMPOSITE , 4 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.018, 2.2, 0.1, 0.018
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 6.7, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
5, COMPOSITE , 5 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.012, 2.2, 0.1, 0.012
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 6.7, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
6, DBUSER , 가로보 , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 1.02, 0.4, 0.01, 0.01, 0.4, 0.01, 0, 0, 0, 0
7, DBUSER , 세로보 , CC, 0, 0, 0, 0, 0, 0, YES, H , 2, 0.52, 0.3, 0.01, 0.01, 0.3, 0.01, 0, 0, 0, 0
8, COMPOSITE , 1-1 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.01, 2.2, 0.1, 0.01
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 5.4, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
9, COMPOSITE , 1-2 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.016, 2.2, 0.1, 0.016
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 5.4, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
10, COMPOSITE , 1-3 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.01, 2.2, 0.1, 0.01
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 5.4, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
11, COMPOSITE , 1-4 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.018, 2.2, 0.1, 0.018
0, 0, 0, 0, 0, 0
0
0
0
0
0
17.5, 3, 6.45, 5.4, 0.25, 0, 8.5806, 3.14, 0.3, 0.167, NO, ,
12, COMPOSITE , 1-5 , CC, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.012, 2.2, 0.1, 0.012

```


121, ELEMENT, 1.1, 0,
122, ELEMENT, 1.1, 0,
123, ELEMENT, 1.1, 0,
124, ELEMENT, 1.1, 0,
125, ELEMENT, 1.1, 0,
126, ELEMENT, 1.1, 0,
127, ELEMENT, 1.1, 0,
128, ELEMENT, 1.1, 0,
129, ELEMENT, 1.1, 0,
130, ELEMENT, 1.1, 0,
131, ELEMENT, 1.1, 0,
132, ELEMENT, 1.1, 0,
133, ELEMENT, 1.1, 0,
134, ELEMENT, 1.1, 0,
135, ELEMENT, 1.1, 0,
136, ELEMENT, 1.1, 0,
137, ELEMENT, 1.1, 0,
138, ELEMENT, 1.1, 0,
139, ELEMENT, 1.1, 0,
140, ELEMENT, 1.1, 0,
141, ELEMENT, 1.1, 0,
142, ELEMENT, 1.1, 0,
143, ELEMENT, 1.1, 0,
144, ELEMENT, 1.1, 0,
145, ELEMENT, 1.1, 0,
146, ELEMENT, 0, 1.1,
147, ELEMENT, 0, 1.1,
148, ELEMENT, 0, 1.1,
149, ELEMENT, 0, 1.1,
150, ELEMENT, 0, 1.1,
151, ELEMENT, 0, 1.1,
152, ELEMENT, 0, 1.1,
153, ELEMENT, 0, 1.1,
154, ELEMENT, 0, 1.1,
155, ELEMENT, 0, 1.1,
156, ELEMENT, 0, 1.1,
157, ELEMENT, 0, 1.1,
158, ELEMENT, 0, 1.1,
159, ELEMENT, 0, 1.1,
160, ELEMENT, 0, 1.1,
161, ELEMENT, 0, 1.1,
162, ELEMENT, 0, 1.1,
163, ELEMENT, 0, 1.1,
164, ELEMENT, 0, 1.1,
165, ELEMENT, 0, 1.1,
166, ELEMENT, 0, 1.1,
167, ELEMENT, 0, 1.1,
168, ELEMENT, 0, 1.1,
169, ELEMENT, 0, 1.1,
170, ELEMENT, 0, 1.1,
171, ELEMENT, 1.1, 0,
172, ELEMENT, 1.1, 0,
173, ELEMENT, 1.1, 0,
174, ELEMENT, 1.1, 0,
175, ELEMENT, 1.1, 0,
176, ELEMENT, 1.1, 0,
177, ELEMENT, 1.1, 0,
178, ELEMENT, 1.1, 0,

179, ELEMENT, 1.1, 0,
180, ELEMENT, 1.1, 0,
181, ELEMENT, 1.1, 0,
182, ELEMENT, 1.1, 0,
183, ELEMENT, 1.1, 0,
184, ELEMENT, 1.1, 0,
185, ELEMENT, 1.1, 0,
186, ELEMENT, 1.1, 0,
187, ELEMENT, 1.1, 0,
188, ELEMENT, 1.1, 0,
189, ELEMENT, 1.1, 0,
190, ELEMENT, 1.1, 0,
191, ELEMENT, 1.1, 0,
192, ELEMENT, 1.1, 0,
193, ELEMENT, 1.1, 0,
194, ELEMENT, 1.1, 0,
195, ELEMENT, 1.1, 0,
196, ELEMENT, 0, 1.1,
197, ELEMENT, 0, 1.1,
198, ELEMENT, 0, 1.1,
199, ELEMENT, 0, 1.1,
200, ELEMENT, 0, 1.1,
201, ELEMENT, 0, 1.1,
202, ELEMENT, 0, 1.1,
203, ELEMENT, 0, 1.1,
204, ELEMENT, 0, 1.1,
205, ELEMENT, 0, 1.1,
206, ELEMENT, 0, 1.1,
207, ELEMENT, 0, 1.1,
208, ELEMENT, 0, 1.1,
209, ELEMENT, 0, 1.1,
210, ELEMENT, 0, 1.1,
211, ELEMENT, 0, 1.1,
212, ELEMENT, 0, 1.1,
213, ELEMENT, 0, 1.1,
214, ELEMENT, 0, 1.1,
215, ELEMENT, 0, 1.1,
216, ELEMENT, 0, 1.1,
217, ELEMENT, 0, 1.1,
218, ELEMENT, 0, 1.1,
219, ELEMENT, 0, 1.1,
220, ELEMENT, 0, 1.1,
*USE-STLD, DL(BC)
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
*BEAMLOAD ; Element Beam Loads
; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN] : bECCEN, ECCDIR, I-END, J-END, bJ-END
; [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
1, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -33.0974, 1, -33.0974, 0, 0, 0, , NO, 0, 0, NO
1, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -13.239, 1, -13.239, 0, 0, 0, , NO, 0, 0, NO
3, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -41.0653, 1, -41.0653, 0, 0, 0, , NO, 0, 0, NO
5, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 13.239, 1, 13.239, 0, 0, 0, , NO, 0, 0, NO
5, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -33.0974, 1, -33.0974, 0, 0, 0, , NO, 0, 0, NO
6, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -13.239, 1, -13.239, 0, 0, 0, , NO, 0, 0, NO
6, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -33.0974, 1, -33.0974, 0, 0, 0, , NO, 0, 0, NO


```
; End of data for load case [DL(BC)] -----
```

*USE-STLD, DL(AC)

*BEAMLOAD ; Element Beam Loads

```
; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
```

```
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
```

; [VALUE] : D1, P1, D2, P2, D3, P3, D4, P4

; [ECCEN] : bECCEN, ECCDIR, I-END, J-END, bJ-END

; [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END

```
1, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.912018, 1, -0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
```

1, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO

```
1, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.84014, 1, 6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
```

1, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO

```
3, BEAM    , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -7.55602, 1, -7.55602, 0, 0, 0, 0, , NO, 0, 0, NO
```

5, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO

5, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.912018, 1, 0.912018, 0, 0, 0, 0, , NO, 0, 0,

5, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -6.84014, 1, -6.84014, 0, 0, 0, 0, , NO, 0, 0, NO

5, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO

6, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO

6, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 6.84014, 1, 6.84014, 0, 0, 0, 0, , NO, 0, 0, NO

6. BEAM , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -0.912018, 1, -0.912018, 0, 0, 0, 0, . , NO, 0,

6, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO

```
30, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -6.84014, 1, -6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
```

30, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.912018, 1, 0.912018, 0, 0, 0, 0, , NO, 0, 0, NO

```
30, BEAM    , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
```

```
30, BEAM    , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
```

```
31, BEAM    , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
```

```
31, BEAM    , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.912018, 1, -0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
```

```
31, BEAM    , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
```

```
31, BEAM    , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.84014, 1, 6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
```

33, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -7.55602, 1, -7.55602, 0, 0, 0, 0, , NO, 0, 0, NO

```
35, BEAM    , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -6.84014, 1, -6.84014, 0, 0, 0, 0, , NO, 0, 0,
```

35, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO

```
35, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.912018, 1, 0.912018, 0, 0, 0, 0, , NO, 0, 0,
```

35, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO

36, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.84014, 1, 6.84014, 0, 0, 0, 0, , NO, 0, 0, NO

```
36, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
```

36, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.912018, 1, -0.912018, 0, 0, 0, 0, , NO, 0, 0, NO

```
36, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
```

```
38, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -7.55602, 1, -7.55602, 0, 0, 0, 0, , NO, 0, 0, NO
```

40, BEAM , UNILoad, GZ, NO , NO, aDir[1], . . . , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO

```
40, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -6.84014, 1, -6.84014, 0, 0, 0, 0, , NO, 0, 0.
```

40, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.912018, 1, 0.912018, 0, 0, 0, 0, , NO, 0, 0, NO

[illegible]

```

230, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.912018, 1, -0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
230, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
231, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -7.55602, 1, -7.55602, 0, 0, 0, 0, , NO, 0, 0, NO
232, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
232, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -6.84014, 1, -6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
232, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.912018, 1, 0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
232, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
233, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.912018, 1, -0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
233, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
233, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
233, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.84014, 1, 6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
234, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -7.55602, 1, -7.55602, 0, 0, 0, 0, , NO, 0, 0, NO
235, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
235, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
235, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.912018, 1, 0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
235, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -6.84014, 1, -6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
236, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
236, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
236, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.912018, 1, -0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
236, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.84014, 1, 6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
237, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -7.55602, 1, -7.55602, 0, 0, 0, 0, , NO, 0, 0, NO
238, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
238, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -6.84014, 1, -6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
238, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
238, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.912018, 1, 0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
239, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -6.84014, 1, -6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
239, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
239, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.912018, 1, 0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
239, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
241, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -7.55602, 1, -7.55602, 0, 0, 0, 0, , NO, 0, 0, NO
243, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.84014, 1, 6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
243, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
243, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
243, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.912018, 1, -0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
244, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -6.84014, 1, -6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
244, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.912018, 1, 0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
244, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
244, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
246, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -7.55602, 1, -7.55602, 0, 0, 0, 0, , NO, 0, 0, NO
248, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.912018, 1, -0.912018, 0, 0, 0, 0, , NO, 0, 0, NO
248, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.84014, 1, 6.84014, 0, 0, 0, 0, , NO, 0, 0, NO
248, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -3.30974, 1, -3.30974, 0, 0, 0, 0, , NO, 0, 0, NO
248, BEAM , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -6.08993, 1, -6.08993, 0, 0, 0, 0, , NO, 0, 0, NO
End of data for load case [DL(AC)] -----
MVLDCODE ; Moving Load Code
CODE=CODE
CODE=AASHTO STANDARD
LINELANE ; Traffic Line Lanes
NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, LW, WS ; line 1
iELEM1, ECC1, FACT1, bSPAN1, ECCVL... ; from line 2
NAME=Lane1, LANE, , 0, 0, BOTH, 3, 0
5, -0.2, 0.1875, YES, 0, 244, -0.2, 0.1875, NO, 0
10, -0.2, 0.1875, NO, 0, 15, -0.2, 0.1875, NO, 0
20, -0.2, 0.1875, NO, 0, 25, -0.2, 0.1875, NO, 0
30, -0.2, 0.1875, NO, 0, 35, -0.2, 0.1875, NO, 0
223, -0.2, 0.1875, NO, 0, 40, -0.2, 0.1875, NO, 0
45, -0.2, 0.1875, NO, 0, 50, -0.2, 0.1875, NO, 0
229, -0.2, 0.1875, NO, 0, 55, -0.2, 0.1875, NO, 0

```

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235, -0.2, 0.1875, NO, 0, 60, -0.2, 0.1875, NO, 0
65, -0.2, 0.1875, NO, 0, 70, -0.2, 0.1875, NO, 0
238, -0.2, 0.1875, NO, 0, 75, -0.2, 0.1875, NO, 0
232, -0.2, 0.1875, NO, 0, 80, -0.2, 0.1875, NO, 0
85, -0.2, 0.1875, NO, 0, 90, -0.2, 0.1875, NO, 0
226, -0.2, 0.1875, NO, 0, 95, -0.2, 0.1875, NO, 0
100, -0.2, 0.1875, NO, 0, 105, -0.2, 0.1875, NO, 0
110, -0.2, 0.1875, NO, 0, 115, -0.2, 0.1875, NO, 0
120, -0.2, 0.1875, NO, 0, 239, -0.2, 0.1875, NO, 0
NAME=Lane2, CROSS, 가로보1, 0, 0, BOTH, 3, 0
5, 3.1, 0.1875, YES, 0, 244, 3.1, 0.1875, NO, 0
10, 3.1, 0.1875, NO, 0, 15, 3.1, 0.1875, NO, 0
20, 3.1, 0.1875, NO, 0, 25, 3.1, 0.1875, NO, 0
30, 3.1, 0.1875, NO, 0, 35, 3.1, 0.1875, NO, 0
223, 3.1, 0.1875, NO, 0, 40, 3.1, 0.1875, NO, 0
45, 3.1, 0.1875, NO, 0, 50, 3.1, 0.1875, NO, 0
229, 3.1, 0.1875, NO, 0, 55, 3.1, 0.1875, NO, 0
235, 3.1, 0.1875, NO, 0, 60, 3.1, 0.1875, NO, 0
65, 3.1, 0.1875, NO, 0, 70, 3.1, 0.1875, NO, 0
238, 3.1, 0.1875, NO, 0, 75, 3.1, 0.1875, NO, 0
232, 3.1, 0.1875, NO, 0, 80, 3.1, 0.1875, NO, 0
85, 3.1, 0.1875, NO, 0, 90, 3.1, 0.1875, NO, 0
226, 3.1, 0.1875, NO, 0, 95, 3.1, 0.1875, NO, 0
100, 3.1, 0.1875, NO, 0, 105, 3.1, 0.1875, NO, 0
110, 3.1, 0.1875, NO, 0, 115, 3.1, 0.1875, NO, 0
120, 3.1, 0.1875, NO, 0, 239, 3.1, 0.1875, NO, 0
NAME=Lane3, LANE, , 0, 0, BOTH, 3, 0
3, -0.05, 0.1875, YES, 0, 246, -0.05, 0.1875, NO, 0
8, -0.05, 0.1875, NO, 0, 13, -0.05, 0.1875, NO, 0
18, -0.05, 0.1875, NO, 0, 23, -0.05, 0.1875, NO, 0
28, -0.05, 0.1875, NO, 0, 33, -0.05, 0.1875, NO, 0
222, -0.05, 0.1875, NO, 0, 38, -0.05, 0.1875, NO, 0
43, -0.05, 0.1875, NO, 0, 48, -0.05, 0.1875, NO, 0
228, -0.05, 0.1875, NO, 0, 53, -0.05, 0.1875, NO, 0
234, -0.05, 0.1875, NO, 0, 58, -0.05, 0.1875, NO, 0
63, -0.05, 0.1875, NO, 0, 68, -0.05, 0.1875, NO, 0
237, -0.05, 0.1875, NO, 0, 73, -0.05, 0.1875, NO, 0
231, -0.05, 0.1875, NO, 0, 78, -0.05, 0.1875, NO, 0
83, -0.05, 0.1875, NO, 0, 88, -0.05, 0.1875, NO, 0
225, -0.05, 0.1875, NO, 0, 93, -0.05, 0.1875, NO, 0
98, -0.05, 0.1875, NO, 0, 103, -0.05, 0.1875, NO, 0
108, -0.05, 0.1875, NO, 0, 113, -0.05, 0.1875, NO, 0
118, -0.05, 0.1875, NO, 0, 241, -0.05, 0.1875, NO, 0
NAME=Lane4, CROSS, 가로보2, 0, 0, BOTH, 3, 0
1, -3.2, 0.1875, YES, 0, 248, -3.2, 0.1875, NO, 0
6, -3.2, 0.1875, NO, 0, 11, -3.2, 0.1875, NO, 0
16, -3.2, 0.1875, NO, 0, 21, -3.2, 0.1875, NO, 0
26, -3.2, 0.1875, NO, 0, 31, -3.2, 0.1875, NO, 0
221, -3.2, 0.1875, NO, 0, 36, -3.2, 0.1875, NO, 0
41, -3.2, 0.1875, NO, 0, 46, -3.2, 0.1875, NO, 0
227, -3.2, 0.1875, NO, 0, 51, -3.2, 0.1875, NO, 0
233, -3.2, 0.1875, NO, 0, 56, -3.2, 0.1875, NO, 0
61, -3.2, 0.1875, NO, 0, 66, -3.2, 0.1875, NO, 0
236, -3.2, 0.1875, NO, 0, 71, -3.2, 0.1875, NO, 0
230, -3.2, 0.1875, NO, 0, 76, -3.2, 0.1875, NO, 0
81, -3.2, 0.1875, NO, 0, 86, -3.2, 0.1875, NO, 0
224, -3.2, 0.1875, NO, 0, 91, -3.2, 0.1875, NO, 0
96, -3.2, 0.1875, NO, 0, 101, -3.2, 0.1875, NO, 0
106, -3.2, 0.1875, NO, 0, 111, -3.2, 0.1875, NO, 0
116, -3.2, 0.1875, NO, 0, 243, -3.2, 0.1875, NO, 0
NAME=Lane5, LANE, , 0, 0, BOTH, 3, 0
1, 0.1, 0.1875, YES, 0, 248, 0.1, 0.1875, NO, 0
6, 0.1, 0.1875, NO, 0, 11, 0.1, 0.1875, NO, 0
16, 0.1, 0.1875, NO, 0, 21, 0.1, 0.1875, NO, 0
26, 0.1, 0.1875, NO, 0, 31, 0.1, 0.1875, NO, 0
221, 0.1, 0.1875, NO, 0, 36, 0.1, 0.1875, NO, 0
41, 0.1, 0.1875, NO, 0, 46, 0.1, 0.1875, NO, 0
227, 0.1, 0.1875, NO, 0, 51, 0.1, 0.1875, NO, 0
233, 0.1, 0.1875, NO, 0, 56, 0.1, 0.1875, NO, 0
61, 0.1, 0.1875, NO, 0, 66, 0.1, 0.1875, NO, 0
236, 0.1, 0.1875, NO, 0, 71, 0.1, 0.1875, NO, 0
230, 0.1, 0.1875, NO, 0, 76, 0.1, 0.1875, NO, 0
81, 0.1, 0.1875, NO, 0, 86, 0.1, 0.1875, NO, 0
224, 0.1, 0.1875, NO, 0, 91, 0.1, 0.1875, NO, 0
96, 0.1, 0.1875, NO, 0, 101, 0.1, 0.1875, NO, 0
106, 0.1, 0.1875, NO, 0, 111, 0.1, 0.1875, NO, 0
116, 0.1, 0.1875, NO, 0, 243, 0.1, 0.1875, NO, 0
*LSUPPORT ; Lane Supports - Negative Moments at Interior Piers
; iTYPE, ELEM_LIST, POSITION ; (When iTYPE=0)
; iTYPE, GRUP-NAME ; (When iTYPE=1)
0, 41 43 45 81 83 85, END-I
0, 36 38 40 76 78 80, END-J
*VEHICLE ; Vehicles
; if Moving Load Code is China
; NAME=NAME, 1, TYPE-NAME, CODE ; standard
; NAME=NAME, 2, LTYPE, [TRUCK/LANE] or [TRAIN/SUBWAY] or [CROWD] ; user: line 1
; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
; [TRUCK/LANE] : 1, P, Qm, Qq ; truck(JTG)
; [TRUCK/LANE] : 2, P, Qm, Qq ; lane load1
; [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2 ; lane load2
; [TRUCK/LANE] : 4, dW, dD ; crawler type
; [TRUCK/LANE] : 5 ; GC type load
; [TRAIN/SUBWAY] : iTYPE, W1, D1, W2, D2 ; train-type1,3
; [TRAIN/SUBWAY] : iTYPE, DD, FD, BD, MAINCOUNT ; train-type2
; [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR ; subway
; [CROWD] : 1, dW1 ; crowd-type1
; [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH ; crowd-type2
; if Moving Load Type is India
; NAME=NAME, 1, TYPE-NAME, CODE ; standard
; 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)

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; NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1, P2, D2, ... ; user(Special Vehicle)
; [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa
; [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
; [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
; [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
; [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
; if Moving Load Code is EUROCODE
; NAME=NAME, 1, iTYPE, TYPE-NAME, PSY1, PSY2, PHI, [AF7] ; standard (LM1, FLM1)
; NAME=NAME, 1, iTYPE, TYPE-NAME, bDF, bU, PHI, PSY, ADJ, IN ; standard (others)
; NAME=NAME, 2, 1, [AF7] ; user(Type 1)
; [LOAD7], D, PHI, TPSY, UPSY ; user(Type 1): line 2
; NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1, P2, D2, ... ; user(Type 2)
; NAME=NAME, 2, 3 ; user(Type 3)
; [LOADCASE1] ; user(Type 3): line 2
; [LOADCASE2] ; user(Type 3): line 3
; [LOADCASE3] ; user(Type 3): line 4
; NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI, F, P1, D1, P2, D2, ... ; user(Type 4)
; NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2 ; user(Type 5)
; [VEHICLE1] ; user(Type 5): line 2
; [VEHICLE2] ; user(Type 5): line 3
; [VEHICLE3] ; user(Type 5): line 4
; [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4 ; adjustment factor
; [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4 ; tandem/udl loads
; [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2, ... ; load case
; [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-LSD12
; 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-NAME, 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, 2, NO, 0, 0, 0, 0, 0
47.0719, 4.2, 188.288, 4.2, 188.288, 9
NAME=DL-24, 2, NO, 12.4544, 152.984, 105.912, 0, 0
*MVLDCase ; Moving Load Cases
; NAME=NAME, bLCPV, SCALE1, SCALE2, SCALE3, SCALE4, SCALE5, SCALE6, COMB, DESC, LCOM ; 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, LANE1n, LANE2n, ... ; n+1th line
; NAME=NAME, bLCPV, VEHICLE, REFLANE, ECCEN, SCALE, DESC ; Permit
NAME=MV, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0
1, 1, 1, 1, 1, 0.5, 0.25
VL, DB-24, 1, 1, 5, Lane1, Lane2, Lane3, Lane4, Lane5
VL, DL-24, 1, 1, 5, Lane1, Lane2, Lane3, Lane4, Lane5
*SM-GROUP ; Settlement Group
; GRNAME, DISPLACEMENT, NODE_LIST
PIER7, -0.01, 144 146 148
PIER8, -0.01, 41 43 45
PIER9, -0.01, 81 83 85
PIER10, -0.01, 149 151 153
*SMLDCASE ; Settlement Load Cases
; NAME=NAME, iSMIN, iSMAX, SCALE, DESC ; line 1
; GRNAME1, GRNAME2, ... ; from line 2
NAME=Settlement, 1, 3, 1,
PIER7, PIER8, PIER9, PIER10
*COMPBXLC ; Pre-Combined Load Cases for Composite Section
; LCNAME1, LCNAME2, ..., LCNAMEn
DL(BC)
*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, DL(BC), 255, 192, 160, 255, 0, 192, 0, 128, 128
ST, DL(AC), 255, 160, 255, 0, 128, 57, 255, 255, 87
SM, Settlement, 128, 192, 0, 128, 192, 0, 255, 0, 192
MV, MV, 192, 128, 0, 255, 0, 128, 255, 0, 192
*EIGEN-CTRL ; Eigenvalue Analysis Control
; TYPE, iFREQ, iTER, iDIM, TOL, bMINMAX, FRMIN, FRMAX, bSTRUM ; TYPE=EIGEN
; TYPE, bINCNL, iGNUM ; TYPE=RITZ(line 1)
; KIND1, CASE1/GROUND1, iNOG1, ... ; TYPE=RITZ(from line2)
LANCZOS, 4, 20, 1, 1e-010, NO, 0, 0, NO

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*DGN-PLATEGIRDER      ; Composite Plate Girder Design
; iDGNCODE, bSERV2, bSERV2, bSTR2, bSTR2, bSTR3, bSTR4, bSTR5, bSTR6 \
; GAMMA_C, GAMMA_S, GAMMA_M0, GAMMA_M2, GAMMA_V, GAMMA_Ff, GAMMA_Mf, GAMMA_Mfs, DL
; GAMMA_M_ser, K1, K2, K3, KS, Phi_u, Phi_c, Phi_f, Phi_v, Phi_se, Phi_b, dCSLcbFactor0, dCSLcbFactor1,
dCSLcbFactor2, dCSLcbFactor3, dCSLcbFactor4
; nGirderType, nForceType, bDesignParameter0, bDesignParameter1, bDesignParameter2, bDesignParameter3,
bDesignParameter4, bDesignParameter5, bDesignParameter6, nBridgeType, bAppendix6
; bDistortion, b1p3RhMy, bPBTFA4SH
1901, YES, YES, YES, YES, YES, YES, YES, YES, YES, \
1, 1, 1, 1, 1, 1, 1, 1, 100, 1, 0.6, 0.45, 0.8, 0.75, 0.95, 0.8, 0.9, 1, 1, 0.85, 1, 1.25, 1.25, 1.25, 1.25, 1.25, 1, 0,
YES, YES, YES, YES, YES, YES, YES, YES, 0, NO, YES, NO, NO
*PSC-DGN-PARAM      ; PSC Design Parameter
; (When iCODE=1(JSCE02))
; iCODE, iDIMTYPE, iBRGTYPE, iCRKCODE, iCRKWIDTH, iCRKWIDTHB, iPSREDU, iST, iCT ; line 1
; bPR_DESIGN1, bPR_DESIGN2, ... , bPR_DESIGN5 ; line 2
; bPR_STRUCT1, bPR_STRUCT2, ... , bPR_STRUCT5 ; line 3
; bPR_MOMENT1, bPR_MOMENT2, ... , bPR_MOMENT8 ; line 4
; bPR_SHEAR1, bPR_SHEAR2, ... , bPR_SHEAR5 ; line 5
; bPR_TORSION1, bPR_TORSION2, ... , bPR_TORSION4 ; line 6
; bPR_PAGENO, bPR_ETC, bPR_BACK1, bPR_BACK2, bPR_BACK3, bPR_BACK4 ; line 7
; iPS_STRESS, iPS_KIND, bREFREBAR, bCMPWEB, iBRGDIR ; line 8
;
; (When iCODE=2(KSCE_USD03), 4(KSCE_USD05), 5(KSCE_RAIL_USD04) 15(KSCE_USD10),
16(KSCE_RAIL_USD11))
; iCODE, iDIMTYPE, iCRKWIDTH, iCRKWIDTHB, iFPS_METHOD, iTNDN_KIND, bRBAR ; line 1;
; bPR_SERVICE2, bPR_SERVICE3, ... , bPR_SERVICE5 ; line 2
; bPR_STRENGTH1, bPR_STRENGTH2, ... , bPR_STRENGTH5 ; line 3
;
; (When iCODE=3(JTG_D62_04))
; iCODE, iDIMTYPE, iBRGTYPE, iSAFETYPE, iCASTTYPE, iCRKWIDTH, iCRKWIDTHB ; line 1
; bPR_LEFT1, bPR_LEFT2, ... , bPR_LEFT6 ; line 2
; bPR_RIGHT1, bPR_RIGHT2, ... , bPR_RIGHT4 ; line 3
;
; (When iCODE=6(TB_10002_3_05))
; iCODE, iDIMTYPE, iBRGTYPE ; line 1
; bPR_BEAM1, bPR_BEAM2, ... , bPR_BEAM14 ; line 2
; bPR_COLUMN1, bPR_COLUMN2, ... , bPR_COLUMN10 ; line 3
;
; (When iCODE=9(AASHTO_LRFD07), 13(AASHTO_LRFD12), 14(CSA_S6_10))
; iCODE, iTNDN_KIND, iBRGTYPE, iCONSTRUCTION, iCORROSIVE, iFPS_METHOD,
; iEXPOSURE-TYPE, EXPOSURE-FACTOR ; line 1
; bPR_SERVICE1, bPR_SERVICE2, ... , bPR_SERVICE7 ; line 2
; bPR_STRENGTH1, bPR_STRENGTH2, ... , bPR_STRENGTH3 ; line 3
;
; (When iCODE=10(EUROCODE2_2_05_PSC), 17(KSCE_LSD12_PSC))
; iCODE, iANNEX, iTNDN_METHOD, iSHEARMETHOD, dTHETA, iEXPOSURECLASS,
; iCEMENTCLASS, bUSERINPUT, ; line 1
; TENDONTYPE (for KSCE_LSD12_PSC) ; line 1
; bULTIMATEEURO[0], bULTIMATEEURO[1], bULTIMATEEURO[2],
; bSERVICEEURO[0], bSERVICEEURO[1], ... , bSERVICEEURO[4], bSERVICEEURO[5] ; line 2
; dGAMMA_C_PT, dGAMMA_S_PT, dGAMMA_PS_PT, dGAMMA_C_A, dGAMMA_S_A, dGAMMA_PS_A,
; dGAMMA_C_SERV, dGAMMA_S_SERV ; line 3
; dALPHA_CC, dALPHA_CTC ; line 4
; dK1_SL, dK3_SL, dK4_SL, dK6_SL, dK1_PS, dK2_PS, dK5_PS, dK7_PS, dK8_PS ; line 5
; dK_C_PS_STAGE, dK_T_PS_STAGE, dK_C_PS, dK_T_PS ; line 6
; dK3_CR, dK4_CR ; line 7
;
; (When iCODE=12(CJJ11-2011))

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; iCODE, iDIMTYPE, iBRGTYPE, iSAFETYPE, iCASTTYPE, iCRKWIDTH, iCRKWIDTHB, iEXISTSPECIALLOAD ;
line 1
; bPR_LEFT1, bPR_LEFT2, ... , bPR_LEFT6 ; line 2
; bPR_RIGHT1, bPR_RIGHT2, ... , bPR_RIGHT4 ; line 3
;
; (When iCODE=18(SNiP 2.05.03-84*), 19(SP 35.13330.2011))
; iCODE, iBRGTYPE, bmb7mb8, mb7mb8Type, mb7, mb8, bmb9, mb9Type, mb9 ; line 1
; b1st_Grp1, b1st_Grp2, ... , b1st_Grp4 ; line 2
; b2nd_Grp1, b2nd_Grp2, ... , b2nd_Grp6 ; line 3
4, 2, 0, 0, 0, 0, NO
YES, YES, YES, YES, YES
YES, YES, YES, YES, YES
*DGN-RATING-CODE      ; KR DGN Rating - Dgn Code
; iDGNCODE
102
*DGN-RATING-CODE_STL      ; DGN Rating Steel - Dgn Code
; iDGNCODE
4202
*ENDDATA

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