

;	-----	33, 19, 2.275, 0
	-----	34, 18.8, 2.275, 0
:	MIDAS/Civil Text(MCT) File.	35, 16.3, 2.275, 0
:	Date : 2018/2/5	36, 14.2, 2.275, 0
;	-----	37, 0, 3.925, 0
	-----	38, 0.2, 3.925, 0
*VERSION		39, 2.7, 3.925, 0
8.7.0		40, 4.8, 3.925, 0
*UNIT	: Unit System	41, 9.5, 3.925, 0
:	FORCE, LENGTH, HEAT, TEMPER	42, 19, 3.925, 0
KN	, M, KCAL, C	43, 18.8, 3.925, 0
*PROJINFO	: Project Information	44, 16.3, 3.925, 0
USER=jm		45, 14.2, 3.925, 0
ADDRESS=.		46, 0, 4.8, 0
*REBAR-MATL-CODE	: Rebar Material Code	47, 0.2, 4.8, 0
:	CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB	48, 2.7, 4.8, 0
KS01-Civil(RC), SD300, KS01-Civil(RC), SD300		49, 4.8, 4.8, 0
*NODE	: Nodes	50, 9.5, 4.8, 0
:	iNO, X, Y, Z	51, 19, 4.8, 0
1, 0, 0, 0		52, 18.8, 4.8, 0
2, 0.2, 0, 0		53, 16.3, 4.8, 0
3, 2.7, 0, 0		54, 14.2, 4.8, 0
4, 4.8, 0, 0		55, 0, 3.425, 0
5, 9.5, 0, 0		56, 0.2, 3.425, 0
6, 19, 0, 0		57, 2.7, 3.425, 0
7, 18.8, 0, 0		58, 4.8, 3.425, 0
8, 16.3, 0, 0		59, 9.5, 3.425, 0
9, 14.2, 0, 0		60, 19, 3.425, 0
10, 0, 0.625, 0		61, 18.8, 3.425, 0
11, 0.2, 0.625, 0		62, 16.3, 3.425, 0
12, 2.7, 0.625, 0		63, 14.2, 3.425, 0
13, 4.8, 0.625, 0		64, 0, 0.625, -1.7
14, 9.5, 0.625, 0		65, 19, 0.625, -1.7
15, 19, 0.625, 0		66, 0, 2.275, -1.7
16, 18.8, 0.625, 0		67, 19, 2.275, -1.7
17, 16.3, 0.625, 0		68, 0, 3.925, -1.7
18, 14.2, 0.625, 0		69, 19, 3.925, -1.7
19, 0, 1.975, 0		70, 1.0333333333333333, 4.8, 0
20, 0.2, 1.975, 0		71, 1.0333333333333333, 3.925, 0
21, 2.7, 1.975, 0		72, 1.8666666666666667, 4.8, 0
22, 4.8, 1.975, 0		73, 1.8666666666666667, 3.925, 0
23, 9.5, 1.975, 0		74, 1.0333333333333333, 3.425, 0
24, 19, 1.975, 0		75, 1.8666666666666667, 3.425, 0
25, 18.8, 1.975, 0		76, 1.0333333333333333, 2.275, 0
26, 16.3, 1.975, 0		77, 1.8666666666666667, 2.275, 0
27, 14.2, 1.975, 0		78, 1.0333333333333333, 1.975, 0
28, 0, 2.275, 0		79, 1.8666666666666667, 1.975, 0
29, 0.2, 2.275, 0		80, 1.0333333333333333, 0.625, 0
30, 2.7, 2.275, 0		81, 1.8666666666666667, 0.625, 0
31, 4.8, 2.275, 0		82, 1.0333333333333333, 0, 0
32, 9.5, 2.275, 0		83, 1.8666666666666667, 0, 0

84, 17.13333333333333, 4.8, 0
 85, 17.13333333333333, 3.925, 0
 86, 17.96666666666667, 4.8, 0
 87, 17.96666666666667, 3.925, 0
 88, 17.13333333333333, 3.425, 0
 89, 17.96666666666667, 3.425, 0
 90, 17.13333333333333, 2.275, 0
 91, 17.96666666666667, 2.275, 0
 92, 17.13333333333333, 1.975, 0
 93, 17.96666666666667, 1.975, 0
 94, 17.13333333333333, 0.625, 0
 95, 17.96666666666667, 0.625, 0
 96, 17.13333333333333, 0, 0
 97, 17.96666666666667, 0, 0
 98, 3.75, 4.8, 0
 99, 3.75, 3.925, 0
 100, 3.75, 3.425, 0
 101, 3.75, 2.275, 0
 102, 3.75, 1.975, 0
 103, 3.75, 0.625, 0
 104, 3.75, 0, 0
 105, 15.25, 4.8, 0
 106, 15.25, 3.925, 0
 107, 15.25, 3.425, 0
 108, 15.25, 2.275, 0
 109, 15.25, 1.975, 0
 110, 15.25, 0.625, 0
 111, 15.25, 0, 0
 112, 5.74, 4.8, 0
 113, 5.74, 3.925, 0
 114, 6.68, 4.8, 0
 115, 6.68, 3.925, 0
 116, 7.62, 4.8, 0
 117, 7.62, 3.925, 0
 118, 8.56, 4.8, 0
 119, 8.56, 3.925, 0
 120, 5.74, 3.425, 0
 121, 6.68, 3.425, 0
 122, 7.62, 3.425, 0
 123, 8.56, 3.425, 0
 124, 5.74, 2.275, 0
 125, 6.68, 2.275, 0
 126, 7.62, 2.275, 0
 127, 8.56, 2.275, 0
 128, 5.74, 1.975, 0
 129, 6.68, 1.975, 0
 130, 7.62, 1.975, 0
 131, 8.56, 1.975, 0
 132, 5.74, 0.625, 0
 133, 6.68, 0.625, 0
 134, 7.62, 0.625, 0

135, 8.56, 0.625, 0
 136, 5.74, 0, 0
 137, 6.68, 0, 0
 138, 7.62, 0, 0
 139, 8.56, 0, 0
 140, 10.44, 4.8, 0
 141, 10.44, 3.925, 0
 142, 11.38, 4.8, 0
 143, 11.38, 3.925, 0
 144, 12.32, 4.8, 0
 145, 12.32, 3.925, 0
 146, 13.26, 4.8, 0
 147, 13.26, 3.925, 0
 148, 10.44, 3.425, 0
 149, 11.38, 3.425, 0
 150, 12.32, 3.425, 0
 151, 13.26, 3.425, 0
 152, 10.44, 2.275, 0
 153, 11.38, 2.275, 0
 154, 12.32, 2.275, 0
 155, 13.26, 2.275, 0
 156, 10.44, 1.975, 0
 157, 11.38, 1.975, 0
 158, 12.32, 1.975, 0
 159, 13.26, 1.975, 0
 160, 10.44, 0.625, 0
 161, 11.38, 0.625, 0
 162, 12.32, 0.625, 0
 163, 13.26, 0.625, 0
 164, 10.44, 0, 0
 165, 11.38, 0, 0
 166, 12.32, 0, 0
 167, 13.26, 0, 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
 1, BEAM , 1, 3, 10, 11, 0,
 0
 2, BEAM , 1, 2, 11, 80, 0,
 0
 3, BEAM , 1, 1, 12, 103, 0,
 0
 4, BEAM , 1, 1, 13, 132, 0,
 0
 5, BEAM , 1, 1, 14, 160, 0,

0	6, BEAM	1,	1,	18,	110,	0,	31, BEAM	2,	4,	14,	23,	0,
0							0					
0	7, BEAM	1,	2,	17,	94,	0,	32, BEAM	2,	4,	23,	32,	0,
0							0					
0	8, BEAM	1,	3,	16,	15,	0,	33, BEAM	2,	4,	32,	41,	0,
0							0					
0	9, BEAM	1,	3,	28,	29,	0,	34, BEAM	2,	4,	18,	27,	0,
0							0					
0	10, BEAM	1,	2,	29,	76,	0,	35, BEAM	2,	4,	27,	36,	0,
0							0					
0	11, BEAM	1,	1,	30,	101,	0,	36, BEAM	2,	4,	36,	45,	0,
0							0					
0	12, BEAM	1,	1,	31,	124,	0,	37, BEAM	2,	4,	15,	24,	0,
0							0					
0	13, BEAM	1,	1,	32,	152,	0,	38, BEAM	2,	4,	24,	33,	0,
0							0					
0	14, BEAM	1,	1,	36,	108,	0,	39, BEAM	2,	4,	33,	42,	0,
0							0					
0	15, BEAM	1,	2,	35,	90,	0,	48, PLATE	2,	1,	46,	37,	38,
0							47, 1, 0					
0	16, BEAM	1,	3,	34,	33,	0,	49, PLATE	2,	1,	37,	55,	56,
0							38, 1, 0					
0	17, BEAM	1,	3,	37,	38,	0,	50, PLATE	2,	1,	55,	28,	29,
0							56, 1, 0					
0	18, BEAM	1,	2,	38,	71,	0,	51, PLATE	2,	1,	28,	19,	20,
0							29, 1, 0					
0	19, BEAM	1,	1,	39,	99,	0,	52, PLATE	2,	1,	19,	10,	11,
0							20, 1, 0					
0	20, BEAM	1,	1,	40,	113,	0,	53, PLATE	2,	1,	10,	1,	2,
0							11, 1, 0					
0	21, BEAM	1,	1,	41,	141,	0,	54, PLATE	2,	1,	47,	38,	71,
0							70, 1, 0					
0	22, BEAM	1,	1,	45,	106,	0,	55, PLATE	2,	1,	38,	56,	74,
0							71, 1, 0					
0	23, BEAM	1,	2,	44,	85,	0,	56, PLATE	2,	1,	56,	29,	76,
0							74, 1, 0					
0	24, BEAM	1,	3,	43,	42,	0,	57, PLATE	2,	1,	29,	20,	78,
0							76, 1, 0					
0	25, BEAM	2,	4,	10,	19,	0,	58, PLATE	2,	1,	20,	11,	80,
0							78, 1, 0					
0	26, BEAM	2,	4,	19,	28,	0,	59, PLATE	2,	1,	11,	2,	82,
0							80, 1, 0					
0	27, BEAM	2,	4,	28,	37,	0,	60, PLATE	2,	1,	48,	39,	99,
0							98, 1, 0					
0	28, BEAM	2,	4,	13,	22,	0,	61, PLATE	2,	1,	39,	57,	100,
0							99, 1, 0					
0	29, BEAM	2,	4,	22,	31,	0,	62, PLATE	2,	1,	57,	30,	101,
0							100, 1, 0					
0	30, BEAM	2,	4,	31,	40,	0,	63, PLATE	2,	1,	30,	21,	102,
0							101, 1, 0					
0							64, PLATE	2,	1,	21,	12,	103,

102,	1,	0						
65, PLATE ,	2,	1,	12,	3,	104,			
103,	1,	0						
66, PLATE ,	2,	1,	49,	40,	113,			
112,	1,	0						
67, PLATE ,	2,	1,	40,	58,	120,			
113,	1,	0						
68, PLATE ,	2,	1,	58,	31,	124,			
120,	1,	0						
69, PLATE ,	2,	1,	31,	22,	128,			
124,	1,	0						
70, PLATE ,	2,	1,	22,	13,	132,			
128,	1,	0						
71, PLATE ,	2,	1,	13,	4,	136,			
132,	1,	0						
72, PLATE ,	2,	1,	50,	41,	141,			
140,	1,	0						
73, PLATE ,	2,	1,	41,	59,	148,			
141,	1,	0						
74, PLATE ,	2,	1,	59,	32,	152,			
148,	1,	0						
75, PLATE ,	2,	1,	32,	23,	156,			
152,	1,	0						
76, PLATE ,	2,	1,	23,	14,	160,			
156,	1,	0						
77, PLATE ,	2,	1,	14,	5,	164,			
160,	1,	0						
78, PLATE ,	2,	1,	54,	45,	106,			
105,	1,	0						
79, PLATE ,	2,	1,	45,	63,	107,			
106,	1,	0						
80, PLATE ,	2,	1,	63,	36,	108,			
107,	1,	0						
81, PLATE ,	2,	1,	36,	27,	109,			
108,	1,	0						
82, PLATE ,	2,	1,	27,	18,	110,			
109,	1,	0						
83, PLATE ,	2,	1,	18,	9,	111,			
110,	1,	0						
84, PLATE ,	2,	1,	53,	44,	85,			
84,	1,	0						
85, PLATE ,	2,	1,	44,	62,	88,			
85,	1,	0						
86, PLATE ,	2,	1,	62,	35,	90,			
88,	1,	0						
87, PLATE ,	2,	1,	35,	26,	92,			
90,	1,	0						
88, PLATE ,	2,	1,	26,	17,	94,			
92,	1,	0						
89, PLATE ,	2,	1,	17,	8,	96,			
94,	1,	0						

90, PLATE ,	2,	1,	52,	43,	42,			
51,	1,	0						
91, PLATE ,	2,	1,	43,	61,	60,			
42,	1,	0						
92, PLATE ,	2,	1,	61,	34,	33,			
60,	1,	0						
93, PLATE ,	2,	1,	34,	25,	24,			
33,	1,	0						
94, PLATE ,	2,	1,	25,	16,	15,			
24,	1,	0						
95, PLATE ,	2,	1,	16,	7,	6,			
15,	1,	0						
96, BEAM ,	1,	2,	71,	73,	0,			
0								
97, BEAM ,	1,	2,	73,	39,	0,			
0								
98, PLATE ,	2,	1,	70,	71,	73,			
72,	1,	0						
99, PLATE ,	2,	1,	72,	73,	39,			
48,	1,	0						
100, PLATE ,	2,	1,	71,	74,	75,			
73,	1,	0						
101, PLATE ,	2,	1,	73,	75,	57,			
39,	1,	0						
102, BEAM ,	1,	2,	76,	77,	0,			
0								
103, BEAM ,	1,	2,	77,	30,	0,			
0								
104, PLATE ,	2,	1,	74,	76,	77,			
75,	1,	0						
105, PLATE ,	2,	1,	75,	77,	30,			
57,	1,	0						
108, PLATE ,	2,	1,	76,	78,	79,			
77,	1,	0						
109, PLATE ,	2,	1,	77,	79,	21,			
30,	1,	0						
110, BEAM ,	1,	2,	80,	81,	0,			
0								
111, BEAM ,	1,	2,	81,	12,	0,			
0								
112, PLATE ,	2,	1,	78,	80,	81,			
79,	1,	0						
113, PLATE ,	2,	1,	79,	81,	12,			
21,	1,	0						
114, PLATE ,	2,	1,	80,	82,	83,			
81,	1,	0						
115, PLATE ,	2,	1,	81,	83,	3,			
12,	1,	0						
116, BEAM ,	1,	2,	85,	87,	0,			
0								
117, BEAM ,	1,	2,	87,	43,	0,			

0						146, BEAM	, 1,	1,	106,	44,	0,
118, PLATE	, 2,	1,	84,	85,	87,	0					
86,	1,	0				147, PLATE	, 2,	1,	105,	106,	44,
119, PLATE	, 2,	1,	86,	87,	43,	53,	1,	0			
52,	1,	0				148, PLATE	, 2,	1,	106,	107,	62,
120, PLATE	, 2,	1,	85,	88,	89,	44,	1,	0			
87,	1,	0				149, BEAM	, 1,	1,	108,	35,	0,
121, PLATE	, 2,	1,	87,	89,	61,	0					
43,	1,	0				150, PLATE	, 2,	1,	107,	108,	35,
122, BEAM	, 1,	2,	90,	91,	0,	62,	1,	0			
0						152, PLATE	, 2,	1,	108,	109,	26,
123, BEAM	, 1,	2,	91,	34,	0,	35,	1,	0			
0						153, BEAM	, 1,	1,	110,	17,	0,
124, PLATE	, 2,	1,	88,	90,	91,	0					
89,	1,	0				154, PLATE	, 2,	1,	109,	110,	17,
125, PLATE	, 2,	1,	89,	91,	34,	26,	1,	0			
61,	1,	0				155, PLATE	, 2,	1,	110,	111,	8,
128, PLATE	, 2,	1,	90,	92,	93,	17,	1,	0			
91,	1,	0				156, BEAM	, 1,	1,	113,	115,	0,
129, PLATE	, 2,	1,	91,	93,	25,	0					
34,	1,	0				157, BEAM	, 1,	1,	115,	117,	0,
130, BEAM	, 1,	2,	94,	95,	0,	0					
0						158, BEAM	, 1,	1,	117,	119,	0,
131, BEAM	, 1,	2,	95,	16,	0,	0					
0						159, BEAM	, 1,	1,	119,	41,	0,
132, PLATE	, 2,	1,	92,	94,	95,	0					
93,	1,	0				160, PLATE	, 2,	1,	112,	113,	115,
133, PLATE	, 2,	1,	93,	95,	16,	114,	1,	0			
25,	1,	0				161, PLATE	, 2,	1,	114,	115,	117,
134, PLATE	, 2,	1,	94,	96,	97,	116,	1,	0			
95,	1,	0				162, PLATE	, 2,	1,	116,	117,	119,
135, PLATE	, 2,	1,	95,	97,	7,	118,	1,	0			
16,	1,	0				163, PLATE	, 2,	1,	118,	119,	41,
136, BEAM	, 1,	1,	99,	40,	0,	50,	1,	0			
0						164, PLATE	, 2,	1,	113,	120,	121,
137, PLATE	, 2,	1,	98,	99,	40,	115,	1,	0			
49,	1,	0				165, PLATE	, 2,	1,	115,	121,	122,
138, PLATE	, 2,	1,	99,	100,	58,	117,	1,	0			
40,	1,	0				166, PLATE	, 2,	1,	117,	122,	123,
139, BEAM	, 1,	1,	101,	31,	0,	119,	1,	0			
0						167, PLATE	, 2,	1,	119,	123,	59,
140, PLATE	, 2,	1,	100,	101,	31,	41,	1,	0			
58,	1,	0				168, BEAM	, 1,	1,	124,	125,	0,
142, PLATE	, 2,	1,	101,	102,	22,	0					
31,	1,	0				169, BEAM	, 1,	1,	125,	126,	0,
143, BEAM	, 1,	1,	103,	13,	0,	0					
0						170, BEAM	, 1,	1,	126,	127,	0,
144, PLATE	, 2,	1,	102,	103,	13,	0					
22,	1,	0				171, BEAM	, 1,	1,	127,	32,	0,
145, PLATE	, 2,	1,	103,	104,	4,	0					
13,	1,	0				172, PLATE	, 2,	1,	120,	124,	125,

121,	1,	0					202, PLATE ,	2,	1,	144,	145,	147,
173, PLATE ,	2,	1,	121,	125,	126,		146, 1, 0					
122,	1,	0					203, PLATE ,	2,	1,	146,	147,	45,
174, PLATE ,	2,	1,	122,	126,	127,		54, 1, 0					
123,	1,	0					204, PLATE ,	2,	1,	141,	148,	149,
175, PLATE ,	2,	1,	123,	127,	32,		143, 1, 0					
59,	1,	0					205, PLATE ,	2,	1,	143,	149,	150,
180, PLATE ,	2,	1,	124,	128,	129,		145, 1, 0					
125,	1,	0					206, PLATE ,	2,	1,	145,	150,	151
181, PLATE ,	2,	1,	125,	129,	130,		147, 1, 0					
126,	1,	0					207, PLATE ,	2,	1,	147,	151,	63,
182, PLATE ,	2,	1,	126,	130,	131,		45, 1, 0					
127,	1,	0					208, BEAM ,	1,	1,	152,	153,	0,
183, PLATE ,	2,	1,	127,	131,	23,		0					
32,	1,	0					209, BEAM ,	1,	1,	153,	154,	0,
184, BEAM ,	1,	1,	132,	133,	0,		0					
0							210, BEAM ,	1,	1,	154,	155,	0,
185, BEAM ,	1,	1,	133,	134,	0,		0					
0							211, BEAM ,	1,	1,	155,	36,	0,
186, BEAM ,	1,	1,	134,	135,	0,		0					
0							212, PLATE ,	2,	1,	148,	152,	153,
187, BEAM ,	1,	1,	135,	14,	0,		149, 1, 0					
0							213, PLATE ,	2,	1,	149,	153,	154,
188, PLATE ,	2,	1,	128,	132,	133,		150, 1, 0					
129,	1,	0					214, PLATE ,	2,	1,	150,	154,	155,
189, PLATE ,	2,	1,	129,	133,	134,		151, 1, 0					
130,	1,	0					215, PLATE ,	2,	1,	151,	155,	36,
190, PLATE ,	2,	1,	130,	134,	135,		63, 1, 0					
131,	1,	0					220, PLATE ,	2,	1,	152,	156,	157,
191, PLATE ,	2,	1,	131,	135,	14,		153, 1, 0					
23,	1,	0					221, PLATE ,	2,	1,	153,	157,	158,
192, PLATE ,	2,	1,	132,	136,	137,		154, 1, 0					
133,	1,	0					222, PLATE ,	2,	1,	154,	158,	159,
193, PLATE ,	2,	1,	133,	137,	138,		155, 1, 0					
134,	1,	0					223, PLATE ,	2,	1,	155,	159,	27,
194, PLATE ,	2,	1,	134,	138,	139,		36, 1, 0					
135,	1,	0					224, BEAM ,	1,	1,	160,	161,	0,
195, PLATE ,	2,	1,	135,	139,	5,		0					
14,	1,	0					225, BEAM ,	1,	1,	161,	162,	0,
196, BEAM ,	1,	1,	141,	143,	0,		0					
0							226, BEAM ,	1,	1,	162,	163,	0,
197, BEAM ,	1,	1,	143,	145,	0,		0					
0							227, BEAM ,	1,	1,	163,	18,	0,
198, BEAM ,	1,	1,	145,	147,	0,		0					
0							228, PLATE ,	2,	1,	156,	160,	161,
199, BEAM ,	1,	1,	147,	45,	0,		157, 1, 0					
0							229, PLATE ,	2,	1,	157,	161,	162,
200, PLATE ,	2,	1,	140,	141,	143,		158, 1, 0					

27,	1,	0					257, BEAM	,	1,	5,	52,	51,	0,
232, PLATE	,	2,	1,	160,	164,	165,	0						
161,	1,	0					*GROUP	:	Group				
233, PLATE	,	2,	1,	161,	165,	166,	:	NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE					
162,	1,	0					⌈	,	,	,	0		
234, PLATE	,	2,	1,	162,	166,	167,	*MATERIAL	:	Material				
163,	1,	0					:	iMAT, TYPE, MNAME, SPHEAT, HEATCO,					
235, PLATE	,	2,	1,	163,	167,	9,	PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1]						
18,	1,	0					:	STEEL, CONC, USER					
236, BEAM	,	1,	5,	46,	47,	0,	:	iMAT, TYPE, MNAME, SPHEAT, HEATCO,					
0							PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2],						
237, BEAM	,	1,	5,	47,	70,	0,	[DATA2]	:	SRC				
0							:	[DATA1] : 1, DB, NAME, CODE, USEELAST,					
238, BEAM	,	1,	5,	70,	72,	0,	ELAST						
0							:	[DATA1] : 2, ELAST, POISN, THERMAL, DEN,					
239, BEAM	,	1,	5,	72,	48,	0,	MASS						
0							:	[DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz,					
240, BEAM	,	1,	5,	48,	98,	0,	Syz, Pxy, Pxz, Pyz, DEN, MASS						
0							:	Orthotropic					
241, BEAM	,	1,	5,	98,	49,	0,	:	[DATA2] : 1, DB, NAME, CODE, USEELAST,					
0							ELAST or 2, ELAST, POISN, THERMAL, DEN,						
242, BEAM	,	1,	5,	49,	112,	0,	MASS						
0							1, CONC , con35						
243, BEAM	,	1,	5,	112,	114,	0,	0.05, 1, KS01-Civil(RC), KCI-2007						
0							, NO, 2.9755e+007						
244, BEAM	,	1,	5,	114,	116,	0,	2, CONC , con24						
0							0.05, 1, KS01-Civil(RC), KCI-2007						
245, BEAM	,	1,	5,	116,	118,	0,	, NO, 2.6964e+007						
0							*MATL-COLOR						
246, BEAM	,	1,	5,	118,	50,	0,	:	iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B,					
0							HE_R, HE_G, HE_B, bBLEND, FACT						
247, BEAM	,	1,	5,	50,	140,	0,	1, 255, 0, 0, 0, 255, 0, 0, 0,						
0							255, NO, 0.5						
248, BEAM	,	1,	5,	140,	142,	0,	2, 255, 0, 0, 0, 255, 0, 0, 0,						
0							255, NO, 0.5						
249, BEAM	,	1,	5,	142,	144,	0,	*SECTION	:	Section				
0							:	iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,					
250, BEAM	,	1,	5,	144,	146,	0,	SHAPE, [DATA1], [DATA2]						
0													1st
251, BEAM	,	1,	5,	146,	54,	0,	line - DB/USER						
0							:	iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,					
252, BEAM	,	1,	5,	54,	105,	0,	SHAPE, BLT, D1, ..., D8, iCEL						1st
0							line - VALUE						
253, BEAM	,	1,	5,	105,	53,	0,	:	AREA, ASy, ASz, lxx, lyy, lzz					
0													2nd line
254, BEAM	,	1,	5,	53,	84,	0,	:	CyP, CyM, CzP, CzM, QyB, QzB,					
0													

```

1st line - SRC
;          D1,   D2,   [SRC]
;          ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,
SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,
SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE,
SHAPE, iyVAR, izVAR, STYPE ; 1st
line - TAPERED
;          DB,   NAME1,   NAME2
;          ; 2nd
line(STYPE=DB)
;          [DIM1],   [DIM2]
;          ; 2nd
line(STYPE=USER)
;          D11, D12, D13, D14, D15, D16, D17, D18
;          ; 2nd
line(STYPE=VALUE)
;          AREA1, ASy1, ASz1, lxx1, lyy1, lzz1
;          ; 3rd
line(STYPE=VALUE)
;          CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th
line(STYPE=VALUE)
;          Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14,
Zyy1, Zyy2 ; 5th
line(STYPE=VALUE)
;          D21, D22, D23, D24, D25, D26, D27, D28
;          ; 6th
line(STYPE=VALUE)
;          AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
;          ; 7th
line(STYPE=VALUE)
;          CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th
line(STYPE=VALUE)
;          Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24,
Zyy2, Zzz2 ; 9th
line(STYPE=VALUE)
;          OPT1,   OPT2,   [JOINT]
;          ; 2nd
line(STYPE=PSC)
;          ELAST, DEN, POIS, POIC, THERMAL
;          ; 2nd
line(STYPE=PSC-CMPW)
;          bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
[WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd
line(STYPE=PSC)

```

```

;          bSHEARCHK, bSYM, bHUNCH,
[CMPCWEB-I], [CMPCWEB-J] ;
3rd line(STYPE=PSC-CMPW)
;          bUSERDEFMESH SIZE, MESH SIZE,
bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th
line(STYPE=PSC)
;          [SIZE-A]-i
;          ; 5th line(STYPE=PSC)
;          [SIZE-B]-i
;          ; 6th line(STYPE=PSC)
;          [SIZE-C]-i
;          ; 7th line(STYPE=PSC)
;          [SIZE-D]-i
;          ; 8th line(STYPE=PSC)
;          [SIZE-A]-j
;          ; 9th line(STYPE=PSC)
;          [SIZE-B]-j
;          ; 10th line(STYPE=PSC)
;          [SIZE-C]-j
;          ; 11th
line(STYPE=PSC)
;          [SIZE-D]-j
;          ; 12th
line(STYPE=PSC)
;          GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMULTI, EsEc-L, EsEc-S ; 2nd
line(STYPE=CMP-B/I)
;          SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i,
Bf2_i, tf2_i ; 3rd
line(STYPE=CMP-B/I)
;          SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j,
Bf2_j, tf2_j ; 4th
line(STYPE=CMP-B/I)
;          N1, N2, Hr, Hr2, tr1, tr2
;          ; 5th
line(STYPE=CMP-B)
;          GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb,
Pgd, Psb, bSYM, SW_i, SW_j ; 2nd
line(STYPE=CMP-CI/CT)
;          OPT1,   OPT2,   [JOINT]
;          ; 3rd
line(STYPE=CMP-CI/CT)
;          [SIZE-A]-i
;          ; 4th
line(STYPE=CMP-CI/CT)
;          [SIZE-B]-i
;          ; 5th
line(STYPE=CMP-CI/CT)
;          [SIZE-C]-i
;          ; 6th
line(STYPE=CMP-CI/CT)

```

<pre> ; [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, bWE, 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, bWE, 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, bWE, 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, bWE, SHAPE ; 1st line - COMPOSITE-CI/CT ; OPT1, OPT2, [JOINT] ; ; 2nd line ; [SIZE-A] ; ; 3rd line ; [SIZE-B] ; ; 4th line ; [SIZE-C] ; ; 5th line </pre>	<pre> ; [SIZE-D] ; ; 6th line ; SW, GN, CTC, Bc, Tc, Hh, EgDEsb, DgdDsb, Pgd, Psb ; 7th line ; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, 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 ; bWE, [WARPING POINT]-i, [WARPING POINT]-j ; 5th line ; [SIZE-A] ; ; 6th line ; [SIZE-B] ; ; 7th line ; [SIZE-C] ; ; 8th line ; [SIZE-D] ; ; 9th 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 </pre>
---	---

```

; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1,
SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck,
X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, COMPOSITE , ps중앙 , CT, 0, 0,
0, 0, 0, 0, YES, NO, CI
, , YES, NO, NO, NO, NO, NO, NO, NO,
NO
1.5, 0.15, 0.1, 0, 0, 0.85, 0.2, 0, 0, 0.2
0.1, 0.45, 0, 0, 0.3, 0, 0
0.15, 0.1, 0, 0, 0.85, 0.2, 0, 0, 0.2
0.1, 0.45, 0, 0, 0.3, 0, 0
0.9, 1, 1.65, 0.9, 0.001, 0, 1.10351, 1,
0.18, 0.18, 1
2, COMPOSITE , ps단2 , CT, 0, 0,
0, 0, 0, 0, YES, NO, CI
, , YES, NO, NO, NO, NO, NO, NO, NO,
NO
1.5, 0.17, 0.105, 0, 0, 0.95, 0.095, 0, 0,
0.18
0.2, 0.45, 0, 0, 0.3, 0, 0
0.17, 0.105, 0, 0, 0.95, 0.095, 0, 0, 0.18
0.2, 0.45, 0, 0, 0.3, 0, 0
0.9, 1, 1.65, 0.9, 0.001, 0, 1.10351, 1,
0.18, 0.18, 1
3, COMPOSITE , ps단1 , CT, 0, 0,
0, 0, 0, 0, YES, NO, CT
, , YES, NO, NO, NO, NO, NO, NO, NO,
NO
1.5, 0.15, 0.043, 1.307, 0.3, 0, 0.15, 0.45
0, 0, 0, 0, 0, 0, 0, 0
0.15, 0.043, 1.307, 0.3, 0, 0.15, 0.45
0, 0, 0, 0, 0, 0, 0, 0
0.9, 1, 1.65, 0.9, 0.001, 0, 1.10351, 1,
0.18, 0.18, 1
4, DBUSER , cros , CT, 0, 0,
0, 0, 0, 0, YES, NO, SB , 2, 1.3, 0.25, 0, 0, 0, 0,
0, 0, 0, 0
5, DBUSER , tem , CC, 0, 0,
0, 0, 0, 0, YES, NO, SB , 2, 0.0001, 0.0001, 0, 0,
0, 0, 0, 0, 0, 0
*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B,
HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0,
255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0,
255, NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0,
255, NO, 0.5

```

```

4, 255, 0, 0, 0, 255, 0, 0, 0,
255, NO, 0.5
5, 255, 0, 0, 0, 255, 0, 0, 0,
255, NO, 0.5
*COMP-GEN-SECT-PSC-DESIGN ; Composite
Section for PSC Design
; SECT, bCompPSC, (Z1, Z2, Z3, t1, t2, t3,
TotT)-I, (Z1, Z2, Z3, t1, t2, t3, TotT)-J
1, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0
2, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0
3, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0
*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,
SHAPE, [DATA1], [DATA2] ; 1st
line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,
SHAPE, BLT, D1, ..., D8, iCEL ; 1st
line - VALUE
; AREA, ASy, ASz, lxx, lyy, lzz
; 2nd line
; CyP, CyM, CzP, CzM, QyB, QzB,
PERI_OUT, PERI_IN, Cy, Cz ;
3rd line
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz
; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,
SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC
; D1, D2, [SRC]
; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,
SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,
SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE,
SHAPE, iyVAR, izVAR, STYPE ; 1st
line - TAPERED
; DB, NAME1, NAME2
; 2nd
line(STYPE=DB)
; [DIM1], [DIM2]
; 2nd
line(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18
; 2nd
line(STYPE=VALUE)

```

```

;          AREA1, ASy1, ASz1, lxx1, lyy1, lzz1
;                                     ; 3rd
line(STYPE=VALUE)
;          CyP1, CyM1, CzP1, CzM1, QyB1, QzB1,
PERI_OUT1, PERI_IN1, Cy1, Cz1          ; 4th
line(STYPE=VALUE)
;          Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14,
Zyy1, Zyy2          ; 5th
line(STYPE=VALUE)
;          D21, D22, D23, D24, D25, D26, D27, D28
;                                     ; 6th
line(STYPE=VALUE)
;          AREA2, ASy2, ASz2, lxx2, lyy2, lzz2
;                                     ; 7th
line(STYPE=VALUE)
;          CyP2, CyM2, CzP2, CzM2, QyB2, QzB2,
PERI_OUT2, PERI_IN2, Cy2, Cz2          ; 8th
line(STYPE=VALUE)
;          Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24,
Zyy2, Zzz2          ; 9th
line(STYPE=VALUE)
;          OPT1, OPT2, [JOINT]
;                                     ; 2nd
line(STYPE=PSC)
;          ELAST, DEN, POIS, POIC, THERMAL
;                                     ; 2nd
line(STYPE=PSC-CMPW)
;          bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I],
[WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd
line(STYPE=PSC)
;          bSHEARCHK, bSYM, bHUNCH,
[CMPEWEB-I], [CMPEWEB-J]          ;
3rd line(STYPE=PSC-CMPW)
;          bUSERDEFMESH SIZE, MESH SIZE,
bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th
line(STYPE=PSC)
;          [SIZE-A]-i
;                                     ; 5th line(STYPE=PSC)
;          [SIZE-B]-i
;                                     ; 6th line(STYPE=PSC)
;          [SIZE-C]-i
;                                     ; 7th line(STYPE=PSC)
;          [SIZE-D]-i
;                                     ; 8th line(STYPE=PSC)
;          [SIZE-A]-j
;                                     ; 9th line(STYPE=PSC)
;          [SIZE-B]-j
;                                     ; 10th line(STYPE=PSC)
;          [SIZE-C]-j
;                                     ; 11th
line(STYPE=PSC)

```

```

;          [SIZE-D]-j
;                                     ; 12th
line(STYPE=PSC)
;          GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc,
bMULTI, EsEc-L, EsEc-S          ; 2nd
line(STYPE=CMP-B/I)
;          SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i,
Bf2_i, tf2_i          ; 3rd
line(STYPE=CMP-B/I)
;          SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j,
Bf2_j, tf2_j          ; 4th
line(STYPE=CMP-B/I)
;          N1, N2, Hr, Hr2, tr1, tr2
;                                     ; 5th
line(STYPE=CMP-B)
;          GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb,
Pgd, Psb, bSYM, SW_i, SW_j          ; 2nd
line(STYPE=CMP-CI/CT)
;          OPT1, OPT2, [JOINT]
;                                     ; 3rd
line(STYPE=CMP-CI/CT)
;          [SIZE-A]-i
;                                     ; 4th
line(STYPE=CMP-CI/CT)
;          [SIZE-B]-i
;                                     ; 5th
line(STYPE=CMP-CI/CT)
;          [SIZE-C]-i
;                                     ; 6th
line(STYPE=CMP-CI/CT)
;          [SIZE-D]-i
;                                     ; 7th
line(STYPE=CMP-CI/CT)
;          [SIZE-A]-j
;                                     ; 8th
line(STYPE=CMP-CI/CT)
;          [SIZE-B]-j
;                                     ; 9th
line(STYPE=CMP-CI/CT)
;          [SIZE-C]-j
;                                     ; 10th
line(STYPE=CMP-CI/CT)
;          [SIZE-D]-j
;                                     ; 11th
line(STYPE=CMP-CI/CT)
;          iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,
STYPE1, STYPE2          ; 1st line
- CONSTRUCT
;          SHAPE, ...(same with other type data
from shape)          ; Before
(STYPE1)

```

```

;          SHAPE, ...(same with other type data          : 8th line
from shape)          : After          [SIZE-D]
(STYPE2)          : 9th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,          : [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4,
SHAPE          : 1st line          D5, D6, D7, D8, D9, D10
- COMPOSITE-SB          : [DATA2] : CCSHAPE or iCEL or iN1, iN2
;          Hw, tw, B, Bf1, tf1, B2, Bf2, tf2          : [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2,
          : 2nd line          D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
;          N1, N2, Hr, Hr2, tr1, tr2          : [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
          : 3rd line          : [OFFSET] : OFFSET, iCENT, iREF, iHORZ,
;          SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc,          HUSER, iVERT, VUSER
Ps, Pc, bMulti, Elong, Esh          : 4th line          : [OFFSET2]: OFFSET, iCENT, iREF, iHORZ,
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,          HUSER1, HUSERJ, iVERT, VUSER1, VUSERJ
SHAPE          : 1st line          : [JOINT] : 8(1CELL, 2CELL), 13(3CELL),
- COMPOSITE-SI          9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL),
;          Hw, tw, B, tf1, B2, tf2          2(nCEL2)
          : 2nd line          : [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL),
;          SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc,          10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL),
Ps, Pc, bMulti, Elong, Esh          : 3rd line          11(nCEL2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,          : [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL),
SHAPE          : 1st line          6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL),
- COMPOSITE-CI/CT          18(nCEL2)
;          OPT1, OPT2, [JOINT]          : [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL),
          : 2nd line          9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL),
;          [SIZE-A]          11(nCEL2)
          : 3rd line          : [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL),
;          [SIZE-B]          6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL),
          : 4th line          18(nCEL2)
;          [SIZE-C]          : [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
          : 5th line          : [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
;          [SIZE-D]          : [WT] : bAUTO_TOR, TOR, bAUTO_SHR1,
          : 6th line          SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
;          SW, GN, CTC, Bc, Tc, Hh, EgdEsb,          : [CMPWEB] : EFD, LRF, A, B, H, T
DgdDsb, Pgd, Psb          : 7th line          : [WARPING POINT] : nWarpingCheck,
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE,          X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
SHAPE          : 1st line          1, COMPOSITE , ps중앙 , CT, 0, 0,
- PSC          0, 0, 0, 0, YES, NO, CI
;          OPT1, OPT2, [JOINT]          , , YES, NO, NO, NO, NO, NO, NO, NO
          : 2nd line          NO
;          bSHEARCHK, [SCHK], [WT], WIDTH, bSYM,          1.5, 0.15, 0.1, 0, 0, 0.85, 0.2, 0, 0, 0.2
bSIDEHOLE          : 3rd line          0.1, 0.45, 0, 0, 0.3, 0, 0
;          bUSERDEFMESH SIZE, MESH SIZE,          0.15, 0.1, 0, 0, 0.85, 0.2, 0, 0, 0.2
bUSERINPSTIFF, [STIFF]          : 4th          0.1, 0.45, 0, 0, 0.3, 0, 0
line          0.9, 1, 1.65, 0.9, 0.001, 0, 1.10351, 1,
;          bWE, [WARPING POINT]-i, [WARPING          0.18, 0.18, 1
POINT]-j          : 5th line          2, COMPOSITE , ps단2 , CT, 0, 0,
;          [SIZE-A]          0, 0, 0, 0, YES, NO, CI
          : 6th line          , , YES, NO, NO, NO, NO, NO, NO, NO,
;          [SIZE-B]          NO
          : 7th line          1.5, 0.17, 0.105, 0, 0, 0.95, 0.095, 0, 0,
;          [SIZE-C]          0.18

```

```

0.2, 0.45, 0, 0, 0.3, 0, 0
0.17, 0.105, 0, 0, 0.95, 0.095, 0, 0, 0.18
0.2, 0.45, 0, 0, 0.3, 0, 0
0.9, 1, 1.65, 0.9, 0.001, 0, 1.10351, 1,
0.18, 0.18, 1
3, COMPOSITE , ps단1 , CT, 0, 0,
0, 0, 0, 0, YES, NO, CT
, , YES, NO, NO, NO, NO, NO, NO, NO,
NO
1.5, 0.15, 0.043, 1.307, 0.3, 0, 0.15, 0.45
0, 0, 0, 0, 0, 0, 0, 0
0.15, 0.043, 1.307, 0.3, 0, 0.15, 0.45
0, 0, 0, 0, 0, 0, 0, 0
0.9, 1, 1.65, 0.9, 0.001, 0, 1.10351, 1,
0.18, 0.18, 1
4, DBUSER , cros , CT, 0, 0,
0, 0, 0, 0, YES, NO, SB , 2, 1.3, 0.25, 0, 0, 0, 0,
0, 0, 0, 0
5, DBUSER , tem , CC, 0, 0,
0, 0, 0, 0, YES, NO, SB , 2, 0.0001, 0.0001, 0, 0,
0, 0, 0, 0, 0, 0
*THICKNESS ; Thickness
; iTHK, TYPE, bSAME, THIK-IN, THIK-OUT,
bOFFSET, OFFTYPE, VALUE : TYPE=VALUE
; iTHK, TYPE, SUBTYPE, RPOS, WEIGHT
; TYPE=STIFFENED,
SUBTYPE=VALUE
; SHAPE, THIK-IN, THIK-OUT, HU, HL
; for yz section
; SHAPE, THIK-IN, THIK-OUT, HU, HL
; for xz section
; iTHK, TYPE, SUBTYPE, RPOS, PLATETHIK
; TYPE=STIFFENED,
SUBTYPE=USER
; bRIB {, SHAPE, DIST, SIZE1, SIZE2, ...,
SIZE6} ; for yz section
; bRIB {, SHAPE, DIST, SIZE2, SIZE2, ...,
SIZE6} ; for xz section
; iTHK, TYPE, SUBTYPE, RPOS, PLATETHIK,
DBNAME ; TYPE=STIFFENED,
SUBTYPE=DB
; bRIB {, SHAPE, DIST, SNAME}
; for yz section
; bRIB {, SHAPE, DIST, SNAME}
; for xz section
1, VALUE, YES, 0.2, 0, NO, 0, 0
*THIK-COLOR
; iTHK, 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

```

```

*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
고정하중, D ,
방음벽, D ,
궤도 , D ,
콘도 , D ,
배수콘크리트, D ,
자갈막이벽, D ,
시험차량_LC1, USER,
시험차량_LC2, USER,
시험차량_LC3, USER,
*CONSTRAINT ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
64to69, 111111,
*ELASTICLINK
; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, SDy,
SDz, SRx, SRy, SRz, bSHEAR, DRy, DRz, GROUP
; GEN
; iNO, iNODE1, iNODE2, LINK, ANGLE, bSHEAR,
DRy, DRz, GROUP
; RIGID
; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx,
bSHEAR, DRy, DRz, GROUP
; TENS,COMP
; iNO, iNODE1, iNODE2, LINK, ANGLE, (UN)SYM,
NUM, DIST1, FORCE1 ... DIST10, FORCE10, DIR,
bSHEAR, DRENDI, GROUP ; MULTI LINEAR
1, 64, 10, GEN , 0, 1e+010,
1e+010, 1e+010, 0, 0, 0, NO, 0.5, 0.5,
2, 66, 28, GEN , 0, 1e+010,
1e+010, 1e+010, 0, 0, 0, NO, 0.5, 0.5,
3, 68, 37, GEN , 0, 1e+010,
1e+010, 1e+010, 0, 0, 0, NO, 0.5, 0.5,
4, 65, 15, GEN , 0, 1e+010,
1e+010, 360, 0, 0, 0, NO, 0.5, 0.5,
5, 67, 33, GEN , 0, 1e+010,
1e+010, 360, 0, 0, 0, NO, 0.5, 0.5,
6, 69, 42, GEN , 0, 1e+010,
1e+010, 360, 0, 0, 0, NO, 0.5, 0.5,
; *LOADTOMASS, DIR, bNODAL, bBEAM, bFLOOR,
bPRES, GRAV
; LCNAME1, FACTOR1, LCNAME2, FACTOR2,
... ; from line 1
*LOADTOMASS, XYZ, YES, YES, YES, YES, 9.806
고정하중, 1, 방음벽, 1, 궤도, 1, 콘도, 1, 배수콘크
리트, 1, 자갈막이벽, 1
*USE-STLD, 고정하중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
; End of data for load case [고정하중]
-----

```

*USE-STLD, 방음벽

*CONLOAD : Nodal Loads

: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP

46, 0, 0, -11.76, 0, 0, 0,
47, 0, 0, -11.76, 0, 0, 0,
48, 0, 0, -11.76, 0, 0, 0,
49, 0, 0, -11.76, 0, 0, 0,
50, 0, 0, -11.76, 0, 0, 0,
51, 0, 0, -11.76, 0, 0, 0,
52, 0, 0, -11.76, 0, 0, 0,
53, 0, 0, -11.76, 0, 0, 0,
54, 0, 0, -11.76, 0, 0, 0,
70, 0, 0, -11.76, 0, 0, 0,
72, 0, 0, -11.76, 0, 0, 0,
84, 0, 0, -11.76, 0, 0, 0,
86, 0, 0, -11.76, 0, 0, 0,
98, 0, 0, -11.76, 0, 0, 0,
105, 0, 0, -11.76, 0, 0, 0,
112, 0, 0, -11.76, 0, 0, 0,
114, 0, 0, -11.76, 0, 0, 0,
116, 0, 0, -11.76, 0, 0, 0,
118, 0, 0, -11.76, 0, 0, 0,
140, 0, 0, -11.76, 0, 0, 0,
142, 0, 0, -11.76, 0, 0, 0,
144, 0, 0, -11.76, 0, 0, 0,
146, 0, 0, -11.76, 0, 0, 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

236, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

237, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

238, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

239, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

240, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,

0, 0, NO,

241, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

242, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

243, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

244, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

245, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

246, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

247, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

248, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

249, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

250, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

251, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

252, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

253, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

254, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

255, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

256, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,
0, 0, NO,

257, BEAM , UNILoad, GZ, NO , NO,
aDir[1], , , 0, -10.04, 1, -10.04, 0, 0, 0, 0, , NO,

0, 0, NO,
; End of data for load case [방음벽]

*USE-STLD, 궤도

*CONLOAD ; Nodal Loads

; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP

28, 0, 0, -12.1, 3.63, 0, 0,
29, 0, 0, -12.1, 3.63, 0, 0,
30, 0, 0, -12.1, 3.63, 0, 0,
31, 0, 0, -12.1, 3.63, 0, 0,
32, 0, 0, -12.1, 3.63, 0, 0,
33, 0, 0, -12.1, 3.63, 0, 0,
34, 0, 0, -12.1, 3.63, 0, 0,
35, 0, 0, -12.1, 3.63, 0, 0,
36, 0, 0, -12.1, 3.63, 0, 0,
76, 0, 0, -12.1, 3.63, 0, 0,
77, 0, 0, -12.1, 3.63, 0, 0,
90, 0, 0, -12.1, 3.63, 0, 0,
91, 0, 0, -12.1, 3.63, 0, 0,
101, 0, 0, -12.1, 3.63, 0, 0,
108, 0, 0, -12.1, 3.63, 0, 0,
124, 0, 0, -12.1, 3.63, 0, 0,
125, 0, 0, -12.1, 3.63, 0, 0,
126, 0, 0, -12.1, 3.63, 0, 0,
127, 0, 0, -12.1, 3.63, 0, 0,
152, 0, 0, -12.1, 3.63, 0, 0,
153, 0, 0, -12.1, 3.63, 0, 0,
154, 0, 0, -12.1, 3.63, 0, 0,
155, 0, 0, -12.1, 3.63, 0, 0,

; End of data for load case [궤도]

*USE-STLD, 콘도

*PRESSURE ; Pressure Loads

; ELEM_LIST, CMD, ETYP, LTYP, DIR, VX, VY,
VZ, bPROJ, PU, P1, P2, P3, P4, GROUP ;

ETYP=PLATE, LTYP=FACE

; ELEM_LIST, CMD, ETYP, LTYP, iEDGE, DIR, VX,
VY, VZ, PU, P1, P2, GROUP ;

ETYP=PLATE, LTYP=EDGE

; ELEM_LIST, CMD, ETYP, iEDGE, DIR, VX, VY,
VZ, PU, P1, P2, GROUP ;

ETYP=PLANE

; ELEM_LIST, CMD, ETYP, iFACE, DIR, VX, VY,
VZ, bPROJ, PU, P1, P2, P3, P4, GROUP ;
ETYP=SOLID

; [PLATE] : plate, plane stress, [PLANE] :
axisymmetric, plane strain

50, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

51, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

52, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

56, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

57, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

58, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

62, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

63, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

64, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

68, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

69, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

70, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

74, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

75, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

76, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

80, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

81, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

82, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

86, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

87, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

88, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

92, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

93, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

94, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

104, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

105, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

108, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

109, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,

```

-4.9, 0, 0, 0, 0,
  112, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  113, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  124, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  125, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  128, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  129, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  132, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  133, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  140, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  142, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  144, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  150, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  152, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  154, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  172, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  173, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  174, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  175, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  180, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  181, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  182, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  183, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  188, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  189, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  190, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,

```

```

  191, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  212, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  213, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  214, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  215, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  220, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  221, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  222, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  223, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  228, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  229, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  230, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
  231, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-4.9, 0, 0, 0, 0,
: End of data for load case [콘도]
-----
*USE-STLD, 배수콘크리트
*PRESSURE ; Pressure Loads
: ELEM_LIST, CMD, ETYP, LTYP, DIR, VX, VY,
VZ, bPROJ, PU, P1, P2, P3, P4, GROUP ;
ETYP=PLATE, LTYP=FACE
: ELEM_LIST, CMD, ETYP, LTYP, iEDGE, DIR, VX,
VY, VZ, PU, P1, P2, GROUP ;
ETYP=PLATE, LTYP=EDGE
: ELEM_LIST, CMD, ETYP, iEDGE, DIR, VX, VY,
VZ, PU, P1, P2, GROUP ;
ETYP=PLANE
: ELEM_LIST, CMD, ETYP, iFACE, DIR, VX, VY,
VZ, bPROJ, PU, P1, P2, P3, P4, GROUP ;
ETYP=SOLID
: [PLATE] : plate, plane stress, [PLANE] :
axisymmetric, plane strain
  48, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  49, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  50, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  51, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,

```



```

-2.45, 0, 0, 0, 0,
  194, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  195, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  200, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  201, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  202, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  203, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  204, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  205, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  206, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  207, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  212, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  213, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  214, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  215, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  220, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  221, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  222, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  223, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  228, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  229, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  230, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  231, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  232, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  233, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
  234, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,

```

```

  235, PRES , PLATE, FACE, LZ, 0, 0, 0, NO,
-2.45, 0, 0, 0, 0,
: End of data for load case [배수콘크리트]
-----
*USE-STLD, 자갈막이벽
*CONLOAD      : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  37, 0, 0, -2.7, 0, 0, 0,
  38, 0, 0, -2.7, 0, 0, 0,
  39, 0, 0, -2.7, 0, 0, 0,
  40, 0, 0, -2.7, 0, 0, 0,
  41, 0, 0, -2.7, 0, 0, 0,
  42, 0, 0, -2.7, 0, 0, 0,
  43, 0, 0, -2.7, 0, 0, 0,
  44, 0, 0, -2.7, 0, 0, 0,
  45, 0, 0, -2.7, 0, 0, 0,
  71, 0, 0, -2.7, 0, 0, 0,
  73, 0, 0, -2.7, 0, 0, 0,
  85, 0, 0, -2.7, 0, 0, 0,
  87, 0, 0, -2.7, 0, 0, 0,
  99, 0, 0, -2.7, 0, 0, 0,
 106, 0, 0, -2.7, 0, 0, 0,
 113, 0, 0, -2.7, 0, 0, 0,
 115, 0, 0, -2.7, 0, 0, 0,
 117, 0, 0, -2.7, 0, 0, 0,
 119, 0, 0, -2.7, 0, 0, 0,
 141, 0, 0, -2.7, 0, 0, 0,
 143, 0, 0, -2.7, 0, 0, 0,
 145, 0, 0, -2.7, 0, 0, 0,
 147, 0, 0, -2.7, 0, 0, 0,
: End of data for load case [자갈막이벽]
-----
*PNLOADTYPE      : Plane Load Type
: NAME=NAME, TYPE(POINT/LINE/AREA), DESC
: CP_X=X1, X2, ...
: CP_Y=Y1, Y2, ...
:      DATA=X1,      Y1,      F1,      M1
:                                : TYPE=POINT
:      ...
:      Xn, Yn, Fn, Mn
: DATA=bUNIFORM, TYPE, X1, Y1, L1, X2, Y2, L2
:                                : TYPE=LINE
: DATA=bUNIFORM, b3PT, X1, Y1, L1, X2, Y2,
L2, X3, Y3, L3, X4, Y4, L4 : TYPE=AREA
NAME=시험차량, POINT,
DATA=7.40013, 1.201, -86.975, 0
      9.5, 1.201, -86.975, 0
      13.6001, 1.201, -86.975, 0
      15.7, 1.201, -86.975, 0
      7.40013, 2.699, -86.975, 0
      9.5, 2.699, -86.975, 0

```

```

13.6001, 2.699, -86.975, 0
15.7, 2.699, -86.975, 0
NAME=시험차량_LC2, POINT,
DATA=5.27832, 1.201, -86.975, 0
7.44994, 1.201, -86.975, 0
11.5501, 1.201, -86.975, 0
13.6499, 1.201, -86.975, 0
5.27835, 2.699, -86.975, 0
7.44994, 2.699, -86.975, 0
11.5501, 2.699, -86.975, 0
13.6499, 2.699, -86.975, 0
NAME=시험차량_LC3, POINT,
DATA=1.5, 1.201, -86.975, 0
3.59987, 1.201, -86.975, 0
7.7, 1.201, -86.975, 0
9.79987, 1.201, -86.975, 0
1.5, 2.699, -86.975, 0
3.59987, 2.699, -86.975, 0
7.7, 2.699, -86.975, 0
9.79987, 2.699, -86.975, 0
*PLANELOAD ; Plane Loads
; LCNAME, LTNAME, ETYPE, GROUP
; ; 1st line
; ELEM-SEL, ELEM-GROUP, FACE, DIR, PROJ,
DESC ; 2nd line
; OX, OY, OZ, XX, XY, XZ, YX, YY, YZ, TOL,
bLAREA, iNODE1, ... , iNODEn ; 3rd line
시험차량_LC1, 시험차량, PLATE,
LPLANE, , 1, NLP, NO,
0, 0, 0, 3.75, 0, 0, 3.75, 2.275, 0, 0.001, NO
시험차량_LC2, 시험차량_LC2, PLATE,
LPLANE, , 1, NLP, NO,
0, 0, 0, 12.32, 0, 0, 12.32, 3.425, 0, 0.001,
NO
시험차량_LC3, 시험차량_LC3, PLATE,
LPLANE, , 1, NLP, NO,
0, 0, 0, 8.56, 0, 0, 8.56, 3.425, 0, 0.001, NO
*MVLDCODE ; Moving Load Code
; CODE=CODE
CODE=KOREA
*SURFLANE ; Traffic Surface Lanes
; NAME=NAME, WIDTH, START, END, MOVING,
WS, bLANEOPT, ALLOWWIDTH ; line 1
; iNODE1, OFFSET1, FACT1, bSPAN1, ECCVL
... ; from line 2
; iNODE1, OFFSET1, dSPAN, dFACT, ...
; ; from line 2
NAME=li, 1.435, 0, 0, BOTH, 1.435, NO, 0
28, 0.3, 0.287, YES, 0, 29, 0.3,
0.287, NO, 0
76, 0.3, 0.287, NO, 0, 77, 0.3, 0.287,

```

```

NO, 0
30, 0.3, 0.287, NO, 0, 101, 0.3,
0.287, NO, 0
31, 0.3, 0.287, NO, 0, 124, 0.3,
0.287, NO, 0
125, 0.3, 0.287, NO, 0, 126, 0.3,
0.287, NO, 0
127, 0.3, 0.287, NO, 0, 32, 0.3,
0.287, NO, 0
152, 0.3, 0.287, NO, 0, 153, 0.3,
0.287, NO, 0
154, 0.3, 0.287, NO, 0, 155, 0.3,
0.287, NO, 0
36, 0.3, 0.287, NO, 0, 108, 0.3,
0.287, NO, 0
35, 0.3, 0.287, NO, 0, 90, 0.3, 0.287,
NO, 0
91, 0.3, 0.287, NO, 0, 34, 0.3, 0.287,
NO, 0
33, 0.3, 0.287, 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,
M A I N C O U N T
; 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, ADDDATA, AL, CA, LL
; 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],
[ B S - D A T A - L F ]
; user(HA)
; NAME=NAME, 2, iSTYPE, [BS-DATA-HB]
;
user(HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA2],
[BS-DATA-HB2], [BS-DATA-LF]
; user(HA&HB)

```

```

; NAME=NAME, 2, iSTYPE, [BD37/01-HA],
[BD37/01-HB], [BS-DATA-LF]
; user(HA&HB(AUTO))
; NAME=NAME, 2, iSTYPE, W, L
;
user(Pedestrian)
; NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS,
P1, D1, P2, D2, ...
;
user(Special Vehicle)
; [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1,
L2, Pa
; [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1,
L2
; [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
; [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
; [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
; if Moving Load Code is EUROCODE
; NAME=NAME, 1, iTYPE, TYPE-NAME, PSY1,
PSY2, PHI, [AF7]
;
standard (LM1, FLM1)
; NAME=NAME, 1, iTYPE, TYPE-NAME, bDF, bU,
PHI, PSY, ADJ, IN
;
standard (others)
; NAME=NAME, 2, 1, [AF7]
; user(Type
1)
; [LOAD7], D, PHI, TPSY, UPSY
; user(Type
1): line 2
; NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY,
P1, D1, P2, D2, ...
;
user(Type 2)
; NAME=NAME, 2, 3
; user(Type
3)
; [LOADCASE1]
; user(Type
3): line 2
; [LOADCASE2]
; user(Type
3): line 3
; [LOADCASE3]
; user(Type
3): line 4
; NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS,
DYF, UI, F, P1, D1, P2, D2, ...
;
user(Type 4)
; 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[3], s1_UDL[3] ;
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[3], s1_UDL[3] ; user
(Type 1)
; NAME=NAME, 2, iTYPE, nDYNAFAC,
dDYNAFAC, dEMPTYCAR

; bFATI, nLOADFAC, dLOADFAC,
; user
(Type 2)
; NAME=NAME, 2, iTYPE, Variable, nDYNAFAC,
dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC,
dLOADFAC, ;
user (Type 3)
; NAME=NAME, 2, iTYPE, nDYNAFAC,
dDYNAFAC, nLOADFAC, dLOADFAC

; bTWOVEHI,
TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT
; user (Type 4)
; NAME=NAME, 2, iTYPE, nDYNAFAC,
dDYNAFAC, nLOADFAC, dLOADFAC

; bTWOVEHI,
TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT
; user (Type 5)
; NAME=NAME, 2, iTYPE, W, D, nDYNAFAC,

```

```

dDYNAFAC, bFATI, nLOADFAC, dLOADFAC
; user (Type 6)
; NAME=NAME, 2, iTYPE, P, W, bFATI,
nLOADFAC, dLOADFAC
; user (Type 7)
; if Moving Load Code is KSCE-LSD15
; NAME=NAME, 1, TYPE-NAME, nLANETYPE,
dDYNAFAC, CODE, nLANELOAD, L,
CONVERTDIST ; standard
; NAME=NAME, 2, 8, L1, W1, W2, EXP,
dDYNAFAC, nLANELOAD, L, CONVERTDIST
; user: line 1 (Type 1)
; NAME=NAME, 2, 1, W1, W2, D1, D2, 0, 0, 0, NO
; user: line
1 (Type 2)
; NAME=NAME, 2, 6, LOADNUM, DIST, W, L, 0, 0,
0, NO ; user:
line 1 (Type 3)
; LOAD1, DIST1, (DIST2_1), LOAD2, DIST2,
(DIST2_2), ... ; user:
from line 2
; if Moving Load Code is South Africa
; NAME=NAME, 1, TYPE-NAME, CODE, bINCREL,
dINCREL ;
standard NA
; NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM
;
standard NB
; NAME=NAME, 1, TYPE-NAME, CODE, OPPOSITE
;
standard NC
; NAME=NAME, 2, TYPE, W1, L, W2, W3, PA,
bINCREL, dINCREL ;
user NA
; NAME=NAME, 2, TYPE, PB, UNITNUM, DELTA,
D1, D2 ;
user NB
; NAME=NAME, 2, TYPE, P, OPPOSITE, NUM1,
NUM2, NUM3 [DIST1], [DIST2], [DIST3] ;
user NC
; if Load Type is Permit Truck
; NAME=NAME, 3, AXLE-TYPE-NUM,
I M P - F A C T O R
; 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=EL-18, 1, EL-18, 0, KS-TR
*MVLDCASE ; Moving Load Cases
; NAME=NAME, nLCTYPE, SCALE1, SCALE2,
SCALE3, SCALE4, SCALE5, SCALE6, COMB, DESC,
LCOM, SERIAL ; 1st line
; nLTYPE, 2LFACTOR1, 2LFACTOR2,
3LFACTOR1, 3LFACTOR2, 3LFACTOR3,
3LFACTOR4 ; 2st line
; TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1,
LANE11, LANE12, ...
; 3nd line
;
;
; TYPEEn, VCLASSn, SCALEn, iMINn, iMAXn,
LANEn1, LANEn2, ...
; n+1th line
; NAME=NAME, nLCTYPE, VEHICLE, REFLANE,
ECCEN, SCALE, DESC
; Permit
; NAME=NAME, nLCTYPE, DESC, bOPTIM,
SUBLANEW, MINSPACING, MARGIN, LANE,
MINNUM, MAXNUM, SERIAL ; Traffic Lane
Optimization
; TYPE1, VCLASS1, SCALE1...
;
Traffic Lane Optimization 1st line
;
;
Traffic Lane Optimization ...
; TYPEEn, VCLASSn, SCALEn...
;
Traffic Lane Optimization n+1th line
NAME=TL, 0, 1, 1, 0.9, 0.75, 0.75, 0.75,
INDEPENDENT, 표준열차, 0, 1
1, 1, 1, 1, 1, 0.5, 0.25
VL, EL-18, 1, 1, 1, li
*LOADCOMB ; Combinations

```

```

; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC,
iSERV-TYPE, nLCOMTYPE ; line 1
; ANAL1, LCNAME1, FACT1, ...
; from line 2
NAME=합성후, GEN, ACTIVE, 0, 0, , 0, 0
ST, 방음벽, 1, ST, 궤도, 1, ST, 콘도, 1,
ST, 배수콘크리트, 1
ST, 자갈막이벽, 1
*LC-COLOR ; Diagram Color for Load Case
; ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL),
iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX), iG2(MAX),
iB2(MAX)
MV, TL, 128, 192, 0, 0, 192, 192, 192, 192, 0
ST, 고정하중, 93, 255, 87, 163, 160, 255, 210,
210, 210
ST, 방음벽, 192, 0, 192, 255, 128, 0, 163, 160,
255
ST, 궤도, 0, 128, 192, 0, 128, 128, 255, 255, 255
ST, 콘도, 255, 192, 87, 192, 72, 0, 146, 0, 255
ST, 배수콘크리트, 255, 128, 0, 0, 192, 128, 192,
72, 0
ST, 자갈막이벽, 255, 160, 255, 192, 72, 0, 192,
192, 192
CB, 합성후, 163, 255, 160, 146, 0, 255, 146, 0,
255
ST, 시험차량_LC1, 0, 157, 192, 255, 160, 255,
255, 87, 128
ST, 시험차량_LC2, 255, 87, 128, 0, 128, 57, 163,
160, 255
ST, 시험차량_LC3, 255, 0, 192, 192, 0, 192, 212,
160, 255
*EIGEN-CTRL ; Eigenvalue Analysis Control
; TYPE, iFREQ, iITER, iDIM, TOL, bMINMAX,
FRMIN, FRMAX, bSTRUM ; TYPE=EIGEN
; TYPE, bINCNL, iGNUM
; ; TYPE=RITZ(line 1)
; KIND1, CASE1/GROUND1, iNOG1, ...
; ; TYPE=RITZ(from line2)
LANCZOS, 50, 20, 1, 1e-010, NO, 0, 0, NO
*DGN-MATL ; Modify Steel(Concrete) Material
; iMAT, TYPE, MNAME, [DATA1]
; STEEL
; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI,
bSERV, SHORT, LONG ; CONC
; iMAT, TYPE, MNAME, [DATA3], [DATA2],
[R-DATA] ; SRC
; iMAT, TYPE, MNAME, [DATA5]
; STEEL(None) & KSCE-ASD05
; [DATA1] : 1, DB, CODE, NAME or 2, ELAST,
POISN, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY,

```

```

AFV, AFV2, AFV3
; [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK,
LAMBDA
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST,
FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY,
AFV, AFV2, AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3,
AL4, AL5, AL6, AL7, AL8, AL9, AL10
; MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R),
FYS
1, CONC , con35 , 1,
KS01-Civil(RC), .C35 , NO, 1,
, , 0, 0, 24500, NO, 0, 0,
, 0, NO, 1, , , 0, 0, 0
2, CONC , con24 , 1,
KS01-Civil(RC), .C24 , NO, 1,
, , 0, 0, 16800, NO, 0, 0,
, 0, NO, 1, , , 0, 0, 0
*SECTION MANAGER-GROUP & PART ; Section
Manager - Group & Part
; SECT = NO, bSAMEJ
; line 1
; GRPDISIZE, GRPDJSIZE, PARTISIZE,
PARTJSIZE ; line 2
;
.....
;
; LOOP UTIL (GRPDISIZE, GRPDJSIZE)
;
; GROUPID, GROUPNAME, GROUPTYPE
; line n
.....
;
; LOOP UTIL (PARTISIZE, PARTJSIZE)
;
; PARTTYPE, GROUPID, PARTNAME,
PARTSHAPE, bSTIFFENER ;
line n
; LINESIZE, LINEINDEX[i].....
; line n
;
.....
; SECT=1, YES
0, 0, 0, 0
SECT=2, YES
0, 0, 0, 0

```

SECT=3, YES	line n
0, 0, 0, 0	;
*SECTION MANAGER-STIFFENER ; Section	STIFFTYPE, dSIZE(0 ~ 20)
Manager - Stiffener	; line n
;	LINESIZE, LINEINDEX[i].....
SECT = NO, bSAMEJ	; line n
; line 1	;
STFNISIZE, STFNJSIZE	
; line 2	;
;	SECT=1, YES
.....	0, 0
;	SECT=2, YES
LOOP UTIL (STFNISIZE, STFNJSIZE)	0, 0
;	SECT=3, YES
TYPE, Z, STANDREF, POSLINE,	0, 0
STANDREFL, NUM, CTC ;	*ENDDATA