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; MIDAS/Civil Text(MCT) File.
; Date : 2017/6/15
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*VERSION
  8.5.5

*UNIT      ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
  TONF , M, KCAL, C

*STRUCTYPE ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER,
bALIGNBEAM, bALIGNSLAB, bROTRIGID
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*REBAR-MATL-CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
  KSCE-LSD15(RC), SD300, KSCE-LSD15(RC), SD300

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*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

6, BEAM , 2, 31, 174, 124, 0, 0
 7, BEAM , 2, 31, 124, 224, 0, 0
 10, BEAM , 2, 35, 173, 123, 0, 0
 11, BEAM , 2, 35, 123, 223, 0, 0
 14, BEAM , 2, 34, 172, 122, 0, 0
 15, BEAM , 2, 34, 122, 222, 0, 0
 18, BEAM , 2, 34, 171, 121, 0, 0

19, BEAM	,	2,	34,	121,	221,	0,	0
22, BEAM	,	2,	34,	170,	120,	0,	0
23, BEAM	,	2,	34,	120,	220,	0,	0
26, BEAM	,	2,	34,	169,	119,	0,	0
27, BEAM	,	2,	34,	119,	219,	0,	0
30, BEAM	,	2,	34,	168,	118,	0,	0
31, BEAM	,	2,	34,	118,	218,	0,	0
34, BEAM	,	2,	34,	167,	117,	0,	0
35, BEAM	,	2,	34,	117,	217,	0,	0
38, BEAM	,	2,	34,	166,	116,	0,	0
39, BEAM	,	2,	34,	116,	216,	0,	0
42, BEAM	,	2,	34,	165,	115,	0,	0
43, BEAM	,	2,	34,	115,	215,	0,	0
46, BEAM	,	2,	34,	164,	114,	0,	0
47, BEAM	,	2,	34,	114,	214,	0,	0
50, BEAM	,	2,	33,	163,	113,	0,	0
51, BEAM	,	2,	33,	113,	213,	0,	0
54, BEAM	,	2,	29,	162,	112,	0,	0
55, BEAM	,	2,	29,	112,	212,	0,	0
58, BEAM	,	2,	32,	161,	111,	0,	0
59, BEAM	,	2,	32,	111,	211,	0,	0
62, BEAM	,	2,	31,	160,	110,	0,	0
63, BEAM	,	2,	31,	110,	210,	0,	0
66, BEAM	,	2,	30,	159,	109,	0,	0
67, BEAM	,	2,	30,	109,	209,	0,	0
70, BEAM	,	2,	30,	158,	108,	0,	0
71, BEAM	,	2,	30,	108,	208,	0,	0
74, BEAM	,	2,	30,	157,	107,	0,	0
75, BEAM	,	2,	30,	107,	207,	0,	0
78, BEAM	,	2,	30,	156,	106,	0,	0
79, BEAM	,	2,	30,	106,	206,	0,	0
82, BEAM	,	2,	30,	155,	105,	0,	0
83, BEAM	,	2,	30,	105,	205,	0,	0
86, BEAM	,	2,	30,	154,	104,	0,	0
87, BEAM	,	2,	30,	104,	204,	0,	0
90, BEAM	,	2,	30,	153,	103,	0,	0
91, BEAM	,	2,	30,	103,	203,	0,	0
94, BEAM	,	2,	28,	152,	102,	0,	0
95, BEAM	,	2,	28,	102,	202,	0,	0
98, BEAM	,	2,	29,	188,	138,	0,	0
99, BEAM	,	2,	29,	138,	238,	0,	0

102, BEAM	,	2,	31,	187,	137,	0,	0
103, BEAM	,	2,	31,	137,	237,	0,	0
106, BEAM	,	2,	35,	186,	136,	0,	0
107, BEAM	,	2,	35,	136,	236,	0,	0
110, BEAM	,	2,	34,	185,	135,	0,	0
111, BEAM	,	2,	34,	135,	235,	0,	0
114, BEAM	,	2,	34,	184,	134,	0,	0
115, BEAM	,	2,	34,	134,	234,	0,	0
118, BEAM	,	2,	34,	183,	133,	0,	0
119, BEAM	,	2,	34,	133,	233,	0,	0
122, BEAM	,	2,	34,	182,	132,	0,	0
123, BEAM	,	2,	34,	132,	232,	0,	0
126, BEAM	,	2,	34,	181,	131,	0,	0
127, BEAM	,	2,	34,	131,	231,	0,	0
130, BEAM	,	2,	34,	180,	130,	0,	0
131, BEAM	,	2,	34,	130,	230,	0,	0
134, BEAM	,	2,	34,	179,	129,	0,	0
135, BEAM	,	2,	34,	129,	229,	0,	0
138, BEAM	,	2,	34,	178,	128,	0,	0
139, BEAM	,	2,	34,	128,	228,	0,	0
142, BEAM	,	2,	34,	177,	127,	0,	0
143, BEAM	,	2,	34,	127,	227,	0,	0
146, BEAM	,	2,	33,	176,	126,	0,	0
147, BEAM	,	2,	33,	126,	226,	0,	0
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159, BEAM	,	2,	30,	148,	248,	0,	0
162, BEAM	,	2,	30,	197,	147,	0,	0
163, BEAM	,	2,	30,	147,	247,	0,	0
166, BEAM	,	2,	30,	196,	146,	0,	0
167, BEAM	,	2,	30,	146,	246,	0,	0
170, BEAM	,	2,	30,	195,	145,	0,	0
171, BEAM	,	2,	30,	145,	245,	0,	0
174, BEAM	,	2,	30,	194,	144,	0,	0
175, BEAM	,	2,	30,	144,	244,	0,	0
178, BEAM	,	2,	30,	193,	143,	0,	0
179, BEAM	,	2,	30,	143,	243,	0,	0
182, BEAM	,	2,	30,	192,	142,	0,	0

183, BEAM	,	2,	30,	142,	242,	0,	0
186, BEAM	,	2,	30,	191,	141,	0,	0
187, BEAM	,	2,	30,	141,	241,	0,	0
190, BEAM	,	2,	30,	190,	140,	0,	0
191, BEAM	,	2,	30,	140,	240,	0,	0
194, BEAM	,	2,	31,	189,	139,	0,	0
195, BEAM	,	2,	31,	139,	239,	0,	0
201, BEAM	,	2,	27,	101,	102,	0,	0
202, BEAM	,	2,	27,	102,	103,	0,	0
203, BEAM	,	2,	27,	103,	104,	0,	0
204, BEAM	,	2,	27,	104,	105,	0,	0
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206, BEAM	,	2,	27,	106,	107,	0,	0
207, BEAM	,	2,	27,	107,	108,	0,	0
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209, BEAM	,	2,	27,	109,	110,	0,	0
210, BEAM	,	2,	27,	110,	111,	0,	0
211, BEAM	,	2,	27,	111,	112,	0,	0
212, BEAM	,	2,	27,	112,	113,	0,	0
213, BEAM	,	2,	27,	113,	114,	0,	0
214, BEAM	,	2,	27,	114,	115,	0,	0
215, BEAM	,	2,	27,	115,	116,	0,	0
216, BEAM	,	2,	27,	116,	117,	0,	0
217, BEAM	,	2,	27,	117,	118,	0,	0
218, BEAM	,	2,	27,	118,	119,	0,	0
219, BEAM	,	2,	27,	119,	120,	0,	0
220, BEAM	,	2,	27,	120,	121,	0,	0
221, BEAM	,	2,	27,	121,	122,	0,	0
222, BEAM	,	2,	27,	122,	123,	0,	0
223, BEAM	,	2,	27,	123,	124,	0,	0
224, BEAM	,	2,	27,	124,	125,	0,	0
225, BEAM	,	2,	27,	125,	126,	0,	0
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227, BEAM	,	2,	27,	127,	128,	0,	0
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229, BEAM	,	2,	27,	129,	130,	0,	0
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232, BEAM	,	2,	27,	132,	133,	0,	0
233, BEAM	,	2,	27,	133,	134,	0,	0
234, BEAM	,	2,	27,	134,	135,	0,	0

235, BEAM	,	2,	27,	135,	136,	0,	0
236, BEAM	,	2,	27,	136,	137,	0,	0
237, BEAM	,	2,	27,	137,	138,	0,	0
238, BEAM	,	2,	27,	138,	139,	0,	0
239, BEAM	,	2,	27,	139,	140,	0,	0
240, BEAM	,	2,	27,	140,	141,	0,	0
241, BEAM	,	2,	27,	141,	142,	0,	0
242, BEAM	,	2,	27,	142,	143,	0,	0
243, BEAM	,	2,	27,	143,	144,	0,	0
244, BEAM	,	2,	27,	144,	145,	0,	0
245, BEAM	,	2,	27,	145,	146,	0,	0
246, BEAM	,	2,	27,	146,	147,	0,	0
247, BEAM	,	2,	27,	147,	148,	0,	0
248, BEAM	,	2,	27,	148,	149,	0,	0
249, BEAM	,	2,	27,	149,	150,	0,	0
250, BEAM	,	1,	1,	151,	152,	0,	0
251, BEAM	,	1,	1,	152,	153,	0,	0
252, BEAM	,	1,	1,	153,	154,	0,	0
253, BEAM	,	1,	1,	154,	155,	0,	0
254, BEAM	,	1,	1,	155,	156,	0,	0
255, BEAM	,	1,	1,	156,	157,	0,	0
256, BEAM	,	1,	1,	157,	158,	0,	0
257, BEAM	,	1,	2,	158,	159,	0,	0
277, BEAM	,	1,	17,	178,	179,	0,	0
278, BEAM	,	1,	17,	179,	180,	0,	0
279, BEAM	,	1,	18,	180,	181,	0,	0
280, BEAM	,	1,	18,	181,	182,	0,	0
281, BEAM	,	1,	18,	182,	183,	0,	0
282, BEAM	,	1,	18,	183,	184,	0,	0
283, BEAM	,	1,	18,	184,	185,	0,	0
290, BEAM	,	1,	25,	191,	192,	0,	0
291, BEAM	,	1,	25,	192,	193,	0,	0
292, BEAM	,	1,	25,	193,	194,	0,	0
293, BEAM	,	1,	25,	194,	195,	0,	0
294, BEAM	,	1,	25,	195,	196,	0,	0
295, BEAM	,	1,	26,	196,	197,	0,	0
296, BEAM	,	1,	26,	197,	198,	0,	0
297, BEAM	,	1,	26,	198,	199,	0,	0
298, BEAM	,	1,	1,	199,	200,	0,	0
299, BEAM	,	1,	1,	201,	202,	0,	0
300, BEAM	,	1,	1,	202,	203,	0,	0

301, BEAM	,	1,	1,	203,	204,	0,	0
302, BEAM	,	1,	1,	204,	205,	0,	0
303, BEAM	,	1,	1,	205,	206,	0,	0
304, BEAM	,	1,	1,	206,	207,	0,	0
305, BEAM	,	1,	1,	207,	208,	0,	0
306, BEAM	,	1,	1,	208,	209,	0,	0
307, BEAM	,	1,	2,	209,	210,	0,	0
326, BEAM	,	1,	17,	228,	229,	0,	0
327, BEAM	,	1,	17,	229,	230,	0,	0
328, BEAM	,	1,	18,	230,	231,	0,	0
329, BEAM	,	1,	18,	231,	232,	0,	0
330, BEAM	,	1,	18,	232,	233,	0,	0
331, BEAM	,	1,	18,	233,	234,	0,	0
332, BEAM	,	1,	18,	234,	235,	0,	0
339, BEAM	,	1,	25,	241,	242,	0,	0
340, BEAM	,	1,	25,	242,	243,	0,	0
341, BEAM	,	1,	25,	243,	244,	0,	0
342, BEAM	,	1,	25,	244,	245,	0,	0
343, BEAM	,	1,	25,	245,	246,	0,	0
344, BEAM	,	1,	26,	246,	247,	0,	0
345, BEAM	,	1,	26,	247,	248,	0,	0
346, BEAM	,	1,	26,	248,	249,	0,	0
347, BEAM	,	1,	1,	249,	250,	0,	0
348, BEAM	,	1,	3,	159,	160,	0,	0
349, BEAM	,	1,	4,	160,	161,	0,	0
350, BEAM	,	1,	5,	161,	162,	0,	0
351, BEAM	,	1,	4,	210,	211,	0,	0
352, BEAM	,	1,	5,	211,	212,	0,	0
353, BEAM	,	1,	6,	163,	162,	0,	0
354, BEAM	,	1,	6,	213,	212,	0,	0
355, BEAM	,	1,	7,	164,	163,	0,	0
356, BEAM	,	1,	7,	214,	213,	0,	0
357, BEAM	,	1,	8,	164,	165,	0,	0
358, BEAM	,	1,	8,	214,	215,	0,	0
359, BEAM	,	1,	9,	165,	166,	0,	0
360, BEAM	,	1,	9,	215,	216,	0,	0
361, BEAM	,	1,	10,	216,	217,	0,	0
362, BEAM	,	1,	10,	217,	218,	0,	0
363, BEAM	,	1,	10,	218,	219,	0,	0
364, BEAM	,	1,	10,	219,	220,	0,	0
365, BEAM	,	1,	10,	220,	221,	0,	0

366, BEAM	,	1,	10,	221,	222,	0,	0		
367, BEAM	,	1,	10,	166,	167,	0,	0		
368, BEAM	,	1,	10,	167,	168,	0,	0		
369, BEAM	,	1,	10,	168,	169,	0,	0		
370, BEAM	,	1,	10,	169,	170,	0,	0		
371, BEAM	,	1,	10,	170,	171,	0,	0		
372, BEAM	,	1,	10,	171,	172,	0,	0		
373, BEAM	,	1,	11,	172,	173,	0,	0		
374, BEAM	,	1,	11,	222,	223,	0,	0		
375, BEAM	,	1,	12,	173,	174,	0,	0		
376, BEAM	,	1,	12,	223,	224,	0,	0		
377, BEAM	,	1,	13,	174,	175,	0,	0		
378, BEAM	,	1,	13,	224,	225,	0,	0		
379, BEAM	,	1,	14,	176,	175,	0,	0		
380, BEAM	,	1,	14,	226,	225,	0,	0		
381, BEAM	,	1,	15,	177,	176,	0,	0		
382, BEAM	,	1,	15,	227,	226,	0,	0		
383, BEAM	,	1,	16,	178,	177,	0,	0		
384, BEAM	,	1,	16,	228,	227,	0,	0		
385, BEAM	,	1,	19,	185,	186,	0,	0		
386, BEAM	,	1,	19,	235,	236,	0,	0		
387, BEAM	,	1,	20,	186,	187,	0,	0		
388, BEAM	,	1,	20,	236,	237,	0,	0		
389, BEAM	,	1,	21,	187,	188,	0,	0		
390, BEAM	,	1,	21,	237,	238,	0,	0		
391, BEAM	,	1,	22,	188,	189,	0,	0		
392, BEAM	,	1,	22,	238,	239,	0,	0		
393, BEAM	,	1,	23,	189,	190,	0,	0		
394, BEAM	,	1,	23,	239,	240,	0,	0		
395, BEAM	,	1,	24,	190,	191,	0,	0		
396, BEAM	,	1,	24,	240,	241,	0,	0		
397, PLATE	,	3,	1,	501,	801,	802,	504,	1,	0
398, PLATE	,	3,	1,	502,	505,	506,	503,	1,	0
399, PLATE	,	3,	1,	505,	507,	508,	506,	1,	0
400, PLATE	,	3,	1,	507,	751,	752,	508,	1,	0
401, PLATE	,	3,	1,	504,	802,	803,	512,	1,	0
402, PLATE	,	3,	1,	503,	506,	513,	511,	1,	0
403, PLATE	,	3,	1,	506,	508,	514,	513,	1,	0
404, PLATE	,	3,	1,	508,	752,	753,	514,	1,	0
405, PLATE	,	3,	1,	512,	803,	804,	517,	1,	0
406, PLATE	,	3,	1,	511,	513,	518,	516,	1,	0

407, PLATE ,	3,	1,	513,	514,	519,	518,	1,	0
408, PLATE ,	3,	1,	514,	753,	754,	519,	1,	0
409, PLATE ,	3,	1,	517,	804,	805,	522,	1,	0
410, PLATE ,	3,	1,	516,	518,	523,	521,	1,	0
411, PLATE ,	3,	1,	518,	519,	524,	523,	1,	0
412, PLATE ,	3,	1,	519,	754,	755,	524,	1,	0
413, PLATE ,	3,	1,	522,	805,	806,	527,	1,	0
414, PLATE ,	3,	1,	521,	523,	528,	526,	1,	0
415, PLATE ,	3,	1,	523,	524,	529,	528,	1,	0
416, PLATE ,	3,	1,	524,	755,	756,	529,	1,	0
417, PLATE ,	3,	1,	527,	806,	807,	532,	1,	0
418, PLATE ,	3,	1,	526,	528,	533,	531,	1,	0
419, PLATE ,	3,	1,	528,	529,	534,	533,	1,	0
420, PLATE ,	3,	1,	529,	756,	757,	534,	1,	0
421, PLATE ,	3,	1,	532,	807,	808,	537,	1,	0
422, PLATE ,	3,	1,	531,	533,	538,	536,	1,	0
423, PLATE ,	3,	1,	533,	534,	539,	538,	1,	0
424, PLATE ,	3,	1,	534,	757,	758,	539,	1,	0
425, PLATE ,	3,	1,	537,	808,	809,	542,	1,	0
426, PLATE ,	3,	1,	536,	538,	543,	541,	1,	0
427, PLATE ,	3,	1,	538,	539,	544,	543,	1,	0
428, PLATE ,	3,	1,	539,	758,	759,	544,	1,	0
429, PLATE ,	3,	1,	542,	809,	810,	547,	1,	0
430, PLATE ,	3,	1,	541,	543,	548,	546,	1,	0
431, PLATE ,	3,	1,	543,	544,	549,	548,	1,	0
432, PLATE ,	3,	1,	544,	759,	760,	549,	1,	0
433, PLATE ,	3,	1,	547,	810,	811,	552,	1,	0
434, PLATE ,	3,	1,	546,	548,	553,	551,	1,	0
435, PLATE ,	3,	1,	548,	549,	554,	553,	1,	0
436, PLATE ,	3,	1,	549,	760,	761,	554,	1,	0
437, PLATE ,	3,	1,	552,	811,	812,	557,	1,	0
438, PLATE ,	3,	1,	551,	553,	558,	556,	1,	0
439, PLATE ,	3,	1,	553,	554,	559,	558,	1,	0
440, PLATE ,	3,	1,	554,	761,	762,	559,	1,	0
441, PLATE ,	3,	1,	557,	812,	813,	562,	1,	0
442, PLATE ,	3,	1,	556,	558,	563,	561,	1,	0
443, PLATE ,	3,	1,	558,	559,	564,	563,	1,	0
444, PLATE ,	3,	1,	559,	762,	763,	564,	1,	0
445, PLATE ,	3,	1,	562,	813,	814,	567,	1,	0
446, PLATE ,	3,	1,	561,	563,	568,	566,	1,	0
447, PLATE ,	3,	1,	563,	564,	569,	568,	1,	0

448, PLATE ,	3,	1,	564,	763,	764,	569,	1,	0
449, PLATE ,	3,	1,	567,	814,	815,	572,	1,	0
450, PLATE ,	3,	1,	566,	568,	573,	571,	1,	0
451, PLATE ,	3,	1,	568,	569,	574,	573,	1,	0
452, PLATE ,	3,	1,	569,	764,	765,	574,	1,	0
453, PLATE ,	3,	1,	572,	815,	816,	577,	1,	0
454, PLATE ,	3,	1,	571,	573,	578,	576,	1,	0
455, PLATE ,	3,	1,	573,	574,	579,	578,	1,	0
456, PLATE ,	3,	1,	574,	765,	766,	579,	1,	0
457, PLATE ,	3,	1,	577,	816,	817,	582,	1,	0
458, PLATE ,	3,	1,	576,	578,	583,	581,	1,	0
459, PLATE ,	3,	1,	578,	579,	584,	583,	1,	0
460, PLATE ,	3,	1,	579,	766,	767,	584,	1,	0
461, PLATE ,	3,	1,	582,	817,	818,	587,	1,	0
462, PLATE ,	3,	1,	581,	583,	588,	586,	1,	0
463, PLATE ,	3,	1,	583,	584,	589,	588,	1,	0
464, PLATE ,	3,	1,	584,	767,	768,	589,	1,	0
465, PLATE ,	3,	1,	587,	818,	819,	592,	1,	0
466, PLATE ,	3,	1,	586,	588,	593,	591,	1,	0
467, PLATE ,	3,	1,	588,	589,	594,	593,	1,	0
468, PLATE ,	3,	1,	589,	768,	769,	594,	1,	0
469, PLATE ,	3,	1,	592,	819,	820,	597,	1,	0
470, PLATE ,	3,	1,	591,	593,	598,	596,	1,	0
471, PLATE ,	3,	1,	593,	594,	599,	598,	1,	0
472, PLATE ,	3,	1,	594,	769,	770,	599,	1,	0
473, PLATE ,	3,	1,	597,	820,	821,	602,	1,	0
474, PLATE ,	3,	1,	596,	598,	603,	601,	1,	0
475, PLATE ,	3,	1,	598,	599,	604,	603,	1,	0
476, PLATE ,	3,	1,	599,	770,	771,	604,	1,	0
477, PLATE ,	3,	1,	602,	821,	822,	607,	1,	0
478, PLATE ,	3,	1,	601,	603,	608,	606,	1,	0
479, PLATE ,	3,	1,	603,	604,	609,	608,	1,	0
480, PLATE ,	3,	1,	604,	771,	772,	609,	1,	0
481, PLATE ,	3,	1,	607,	822,	823,	612,	1,	0
482, PLATE ,	3,	1,	606,	608,	613,	611,	1,	0
483, PLATE ,	3,	1,	608,	609,	614,	613,	1,	0
484, PLATE ,	3,	1,	609,	772,	773,	614,	1,	0
485, PLATE ,	3,	1,	612,	823,	824,	617,	1,	0
486, PLATE ,	3,	1,	611,	613,	618,	616,	1,	0
487, PLATE ,	3,	1,	613,	614,	619,	618,	1,	0
488, PLATE ,	3,	1,	614,	773,	774,	619,	1,	0

489, PLATE ,	3,	1,	617,	824,	825,	622,	1,	0
490, PLATE ,	3,	1,	616,	618,	623,	621,	1,	0
491, PLATE ,	3,	1,	618,	619,	624,	623,	1,	0
492, PLATE ,	3,	1,	619,	774,	775,	624,	1,	0
493, PLATE ,	3,	1,	622,	825,	826,	627,	1,	0
494, PLATE ,	3,	1,	621,	623,	628,	626,	1,	0
495, PLATE ,	3,	1,	623,	624,	629,	628,	1,	0
496, PLATE ,	3,	1,	624,	775,	776,	629,	1,	0
497, PLATE ,	3,	1,	627,	826,	827,	632,	1,	0
498, PLATE ,	3,	1,	626,	628,	633,	631,	1,	0
499, PLATE ,	3,	1,	628,	629,	634,	633,	1,	0
500, PLATE ,	3,	1,	629,	776,	777,	634,	1,	0
501, PLATE ,	3,	1,	632,	827,	828,	637,	1,	0
502, PLATE ,	3,	1,	631,	633,	638,	636,	1,	0
503, PLATE ,	3,	1,	633,	634,	639,	638,	1,	0
504, PLATE ,	3,	1,	634,	777,	778,	639,	1,	0
505, PLATE ,	3,	1,	637,	828,	829,	642,	1,	0
506, PLATE ,	3,	1,	636,	638,	643,	641,	1,	0
507, PLATE ,	3,	1,	638,	639,	644,	643,	1,	0
508, PLATE ,	3,	1,	639,	778,	779,	644,	1,	0
509, PLATE ,	3,	1,	642,	829,	830,	647,	1,	0
510, PLATE ,	3,	1,	641,	643,	648,	646,	1,	0
511, PLATE ,	3,	1,	643,	644,	649,	648,	1,	0
512, PLATE ,	3,	1,	644,	779,	780,	649,	1,	0
513, PLATE ,	3,	1,	647,	830,	831,	652,	1,	0
514, PLATE ,	3,	1,	646,	648,	653,	651,	1,	0
515, PLATE ,	3,	1,	648,	649,	654,	653,	1,	0
516, PLATE ,	3,	1,	649,	780,	781,	654,	1,	0
517, PLATE ,	3,	1,	652,	831,	832,	657,	1,	0
518, PLATE ,	3,	1,	651,	653,	658,	656,	1,	0
519, PLATE ,	3,	1,	653,	654,	659,	658,	1,	0
520, PLATE ,	3,	1,	654,	781,	782,	659,	1,	0
521, PLATE ,	3,	1,	657,	832,	833,	662,	1,	0
522, PLATE ,	3,	1,	656,	658,	663,	661,	1,	0
523, PLATE ,	3,	1,	658,	659,	664,	663,	1,	0
524, PLATE ,	3,	1,	659,	782,	783,	664,	1,	0
525, PLATE ,	3,	1,	662,	833,	834,	667,	1,	0
526, PLATE ,	3,	1,	661,	663,	668,	666,	1,	0
527, PLATE ,	3,	1,	663,	664,	669,	668,	1,	0
528, PLATE ,	3,	1,	664,	783,	784,	669,	1,	0
529, PLATE ,	3,	1,	667,	834,	835,	672,	1,	0

530, PLATE ,	3,	1,	666,	668,	673,	671,	1,	0
531, PLATE ,	3,	1,	668,	669,	674,	673,	1,	0
532, PLATE ,	3,	1,	669,	784,	785,	674,	1,	0
533, PLATE ,	3,	1,	672,	835,	836,	677,	1,	0
534, PLATE ,	3,	1,	671,	673,	678,	676,	1,	0
535, PLATE ,	3,	1,	673,	674,	679,	678,	1,	0
536, PLATE ,	3,	1,	674,	785,	786,	679,	1,	0
537, PLATE ,	3,	1,	677,	836,	837,	682,	1,	0
538, PLATE ,	3,	1,	676,	678,	683,	681,	1,	0
539, PLATE ,	3,	1,	678,	679,	684,	683,	1,	0
540, PLATE ,	3,	1,	679,	786,	787,	684,	1,	0
541, PLATE ,	3,	1,	682,	837,	838,	687,	1,	0
542, PLATE ,	3,	1,	681,	683,	688,	686,	1,	0
543, PLATE ,	3,	1,	683,	684,	689,	688,	1,	0
544, PLATE ,	3,	1,	684,	787,	788,	689,	1,	0
545, PLATE ,	3,	1,	687,	838,	839,	692,	1,	0
546, PLATE ,	3,	1,	686,	688,	693,	691,	1,	0
547, PLATE ,	3,	1,	688,	689,	694,	693,	1,	0
548, PLATE ,	3,	1,	689,	788,	789,	694,	1,	0
549, PLATE ,	3,	1,	692,	839,	840,	697,	1,	0
550, PLATE ,	3,	1,	691,	693,	698,	696,	1,	0
551, PLATE ,	3,	1,	693,	694,	699,	698,	1,	0
552, PLATE ,	3,	1,	694,	789,	790,	699,	1,	0
553, PLATE ,	3,	1,	697,	840,	841,	702,	1,	0
554, PLATE ,	3,	1,	696,	698,	703,	701,	1,	0
555, PLATE ,	3,	1,	698,	699,	704,	703,	1,	0
556, PLATE ,	3,	1,	699,	790,	791,	704,	1,	0
557, PLATE ,	3,	1,	702,	841,	842,	707,	1,	0
558, PLATE ,	3,	1,	701,	703,	708,	706,	1,	0
559, PLATE ,	3,	1,	703,	704,	709,	708,	1,	0
560, PLATE ,	3,	1,	704,	791,	792,	709,	1,	0
561, PLATE ,	3,	1,	707,	842,	843,	712,	1,	0
562, PLATE ,	3,	1,	706,	708,	713,	711,	1,	0
563, PLATE ,	3,	1,	708,	709,	714,	713,	1,	0
564, PLATE ,	3,	1,	709,	792,	793,	714,	1,	0
565, PLATE ,	3,	1,	712,	843,	844,	717,	1,	0
566, PLATE ,	3,	1,	711,	713,	718,	716,	1,	0
567, PLATE ,	3,	1,	713,	714,	719,	718,	1,	0
568, PLATE ,	3,	1,	714,	793,	794,	719,	1,	0
569, PLATE ,	3,	1,	717,	844,	845,	722,	1,	0
570, PLATE ,	3,	1,	716,	718,	723,	721,	1,	0

571, PLATE ,	3,	1,	718,	719,	724,	723,	1,	0
572, PLATE ,	3,	1,	719,	794,	795,	724,	1,	0
573, PLATE ,	3,	1,	722,	845,	846,	727,	1,	0
574, PLATE ,	3,	1,	721,	723,	728,	726,	1,	0
575, PLATE ,	3,	1,	723,	724,	729,	728,	1,	0
576, PLATE ,	3,	1,	724,	795,	796,	729,	1,	0
577, PLATE ,	3,	1,	727,	846,	847,	732,	1,	0
578, PLATE ,	3,	1,	726,	728,	733,	731,	1,	0
579, PLATE ,	3,	1,	728,	729,	734,	733,	1,	0
580, PLATE ,	3,	1,	729,	796,	797,	734,	1,	0
581, PLATE ,	3,	1,	732,	847,	848,	737,	1,	0
582, PLATE ,	3,	1,	731,	733,	738,	736,	1,	0
583, PLATE ,	3,	1,	733,	734,	739,	738,	1,	0
584, PLATE ,	3,	1,	734,	797,	798,	739,	1,	0
585, PLATE ,	3,	1,	737,	848,	849,	742,	1,	0
586, PLATE ,	3,	1,	736,	738,	743,	741,	1,	0
587, PLATE ,	3,	1,	738,	739,	744,	743,	1,	0
588, PLATE ,	3,	1,	739,	798,	799,	744,	1,	0
589, PLATE ,	3,	1,	742,	849,	850,	747,	1,	0
590, PLATE ,	3,	1,	741,	743,	748,	746,	1,	0
591, PLATE ,	3,	1,	743,	744,	749,	748,	1,	0
592, PLATE ,	3,	1,	744,	799,	800,	749,	1,	0
593, PLATE ,	3,	1,	751,	509,	510,	752,	1,	0
594, PLATE ,	3,	1,	752,	510,	515,	753,	1,	0
595, PLATE ,	3,	1,	753,	515,	520,	754,	1,	0
596, PLATE ,	3,	1,	754,	520,	525,	755,	1,	0
597, PLATE ,	3,	1,	755,	525,	530,	756,	1,	0
598, PLATE ,	3,	1,	756,	530,	535,	757,	1,	0
599, PLATE ,	3,	1,	757,	535,	540,	758,	1,	0
600, PLATE ,	3,	1,	758,	540,	545,	759,	1,	0
601, PLATE ,	3,	1,	759,	545,	550,	760,	1,	0
602, PLATE ,	3,	1,	760,	550,	555,	761,	1,	0
603, PLATE ,	3,	1,	761,	555,	560,	762,	1,	0
604, PLATE ,	3,	1,	762,	560,	565,	763,	1,	0
605, PLATE ,	3,	1,	763,	565,	570,	764,	1,	0
606, PLATE ,	3,	1,	764,	570,	575,	765,	1,	0
607, PLATE ,	3,	1,	765,	575,	580,	766,	1,	0
608, PLATE ,	3,	1,	766,	580,	585,	767,	1,	0
609, PLATE ,	3,	1,	767,	585,	590,	768,	1,	0
610, PLATE ,	3,	1,	768,	590,	595,	769,	1,	0
611, PLATE ,	3,	1,	769,	595,	600,	770,	1,	0

612, PLATE ,	3,	1,	770,	600,	605,	771,	1,	0
613, PLATE ,	3,	1,	771,	605,	610,	772,	1,	0
614, PLATE ,	3,	1,	772,	610,	615,	773,	1,	0
615, PLATE ,	3,	1,	773,	615,	620,	774,	1,	0
616, PLATE ,	3,	1,	774,	620,	625,	775,	1,	0
617, PLATE ,	3,	1,	775,	625,	630,	776,	1,	0
618, PLATE ,	3,	1,	776,	630,	635,	777,	1,	0
619, PLATE ,	3,	1,	777,	635,	640,	778,	1,	0
620, PLATE ,	3,	1,	778,	640,	645,	779,	1,	0
621, PLATE ,	3,	1,	779,	645,	650,	780,	1,	0
622, PLATE ,	3,	1,	780,	650,	655,	781,	1,	0
623, PLATE ,	3,	1,	781,	655,	660,	782,	1,	0
624, PLATE ,	3,	1,	782,	660,	665,	783,	1,	0
625, PLATE ,	3,	1,	783,	665,	670,	784,	1,	0
626, PLATE ,	3,	1,	784,	670,	675,	785,	1,	0
627, PLATE ,	3,	1,	785,	675,	680,	786,	1,	0
628, PLATE ,	3,	1,	786,	680,	685,	787,	1,	0
629, PLATE ,	3,	1,	787,	685,	690,	788,	1,	0
630, PLATE ,	3,	1,	788,	690,	695,	789,	1,	0
631, PLATE ,	3,	1,	789,	695,	700,	790,	1,	0
632, PLATE ,	3,	1,	790,	700,	705,	791,	1,	0
633, PLATE ,	3,	1,	791,	705,	710,	792,	1,	0
634, PLATE ,	3,	1,	792,	710,	715,	793,	1,	0
635, PLATE ,	3,	1,	793,	715,	720,	794,	1,	0
636, PLATE ,	3,	1,	794,	720,	725,	795,	1,	0
637, PLATE ,	3,	1,	795,	725,	730,	796,	1,	0
638, PLATE ,	3,	1,	796,	730,	735,	797,	1,	0
639, PLATE ,	3,	1,	797,	735,	740,	798,	1,	0
640, PLATE ,	3,	1,	798,	740,	745,	799,	1,	0
641, PLATE ,	3,	1,	799,	745,	750,	800,	1,	0
642, PLATE ,	3,	1,	801,	502,	503,	802,	1,	0
643, PLATE ,	3,	1,	802,	503,	511,	803,	1,	0
644, PLATE ,	3,	1,	803,	511,	516,	804,	1,	0
645, PLATE ,	3,	1,	804,	516,	521,	805,	1,	0
646, PLATE ,	3,	1,	805,	521,	526,	806,	1,	0
647, PLATE ,	3,	1,	806,	526,	531,	807,	1,	0
648, PLATE ,	3,	1,	807,	531,	536,	808,	1,	0
649, PLATE ,	3,	1,	808,	536,	541,	809,	1,	0
650, PLATE ,	3,	1,	809,	541,	546,	810,	1,	0
651, PLATE ,	3,	1,	810,	546,	551,	811,	1,	0
652, PLATE ,	3,	1,	811,	551,	556,	812,	1,	0

653, PLATE ,	3,	1,	812,	556,	561,	813,	1,	0
654, PLATE ,	3,	1,	813,	561,	566,	814,	1,	0
655, PLATE ,	3,	1,	814,	566,	571,	815,	1,	0
656, PLATE ,	3,	1,	815,	571,	576,	816,	1,	0
657, PLATE ,	3,	1,	816,	576,	581,	817,	1,	0
658, PLATE ,	3,	1,	817,	581,	586,	818,	1,	0
659, PLATE ,	3,	1,	818,	586,	591,	819,	1,	0
660, PLATE ,	3,	1,	819,	591,	596,	820,	1,	0
661, PLATE ,	3,	1,	820,	596,	601,	821,	1,	0
662, PLATE ,	3,	1,	821,	601,	606,	822,	1,	0
663, PLATE ,	3,	1,	822,	606,	611,	823,	1,	0
664, PLATE ,	3,	1,	823,	611,	616,	824,	1,	0
665, PLATE ,	3,	1,	824,	616,	621,	825,	1,	0
666, PLATE ,	3,	1,	825,	621,	626,	826,	1,	0
667, PLATE ,	3,	1,	826,	626,	631,	827,	1,	0
668, PLATE ,	3,	1,	827,	631,	636,	828,	1,	0
669, PLATE ,	3,	1,	828,	636,	641,	829,	1,	0
670, PLATE ,	3,	1,	829,	641,	646,	830,	1,	0
671, PLATE ,	3,	1,	830,	646,	651,	831,	1,	0
672, PLATE ,	3,	1,	831,	651,	656,	832,	1,	0
673, PLATE ,	3,	1,	832,	656,	661,	833,	1,	0
674, PLATE ,	3,	1,	833,	661,	666,	834,	1,	0
675, PLATE ,	3,	1,	834,	666,	671,	835,	1,	0
676, PLATE ,	3,	1,	835,	671,	676,	836,	1,	0
677, PLATE ,	3,	1,	836,	676,	681,	837,	1,	0
678, PLATE ,	3,	1,	837,	681,	686,	838,	1,	0
679, PLATE ,	3,	1,	838,	686,	691,	839,	1,	0
680, PLATE ,	3,	1,	839,	691,	696,	840,	1,	0
681, PLATE ,	3,	1,	840,	696,	701,	841,	1,	0
682, PLATE ,	3,	1,	841,	701,	706,	842,	1,	0
683, PLATE ,	3,	1,	842,	706,	711,	843,	1,	0
684, PLATE ,	3,	1,	843,	711,	716,	844,	1,	0
685, PLATE ,	3,	1,	844,	716,	721,	845,	1,	0
686, PLATE ,	3,	1,	845,	721,	726,	846,	1,	0
687, PLATE ,	3,	1,	846,	726,	731,	847,	1,	0
688, PLATE ,	3,	1,	847,	731,	736,	848,	1,	0
689, PLATE ,	3,	1,	848,	736,	741,	849,	1,	0
690, PLATE ,	3,	1,	849,	741,	746,	850,	1,	0

*GROUP : Group

; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE

세로보 , 101to150, 201to249, 0

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Strt Group 2, , , 0
1      , 101to112 151to162 201to212 502to538by12 503to553by10 505to508 \
      511to551by10 516 518 519to559by5 528 536 546 548 556 558, 54to94by4 \
      55to95by4 201to211 250to257 299to307 348to352 398to438by4 399to439by4, 0
2      , 112to138 162to188 212to238 556to690, 6to54by4 7to55by4 \
      98to150by4 99to151by4 212to237 277to283 326to332 353to390 441to544 \
      604to629 653to678, 0
3      , 138to150 188to200 238to250 686to750, 98 99 154to194by4 \
      155to195by4 238to249 290to298 339to347 391to396 545to592 630to641 \
      679to690, 0
중분데   , 509 510to750by5 751to800, 593to641, 0
난간     , 501 504 512to747by5 801to850, 397to589by4, 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, USEELAST, ELAST
; [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, USEELAST, ELAST or 2, ELAST, POISN,
THERMAL, DEN, MASS
      1, STEEL, SM520      , 0, 0, , C, NO, 0.02, 1, KSCE-LSD15(S),
, SM520      , NO, 2.09042e+007
      2, STEEL, SM400      , 0, 0, , C, NO, 0.02, 1, KSCE-LSD15(S),
, SM400      , NO, 2.09042e+007
      3, CONC , C27      , 0, 0, , C, NO, 0.05, 1, KSCE-LSD15(RC),
, C27      , NO, 2.7207e+006
*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
      3, 255,  0,  0,  0, 255,  0,  0,  0, 255, NO, 0.5
*SECTION   ; Section
; 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, Ixx, Iyy, Izz
;
2nd line

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;          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, [CMPWEB-I], [CMPWEB-J]

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; 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)

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;      [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
;      [SIZE-D]                                                  ; 6th
line
;      SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb         ;
7th line
;   iSEC,   TYPE,   SNAME,   [OFFSET],   bSD,   bWE,   SHAPE

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; 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
; [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

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1, COMPOSITE , 1010 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 2, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.833, 0, NO, 0.833, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
2, COMPOSITE , 1014 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 2, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.833, 0, NO, 0.833, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
3, TAPERED , 1014_Tapered , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B
1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
0.001, 2.783, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 2, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.833, 0, NO, 0.833, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
0
0
4, TAPERED , 1822_Tapered , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B
1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.783, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
0.001, 3.026, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 2, 0.833, 0, NO, 0.833, 0, NO
 0, 0, 0, 0, 0, 0
 0
 0
 0
 0
 0
 5, TAPERED , 2630_Tapered , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
 1, 1, CMP-B
 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 0.001, 3.026, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
 0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
 1, 0, 0, 0, 5, 2
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 2, 0.833, 0, NO, 0.833, 0, NO
 0, 0, 0, 0, 0, 0
 0
 0
 0
 0
 0
 6, TAPERED , 2630_Tapered_2경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
 1, 1, CMP-B
 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 0.001, 2.548, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
 0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
 1, 0, 0, 0, 5, 2
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 2, 0.833, 0, NO, 0.833, 0, NO
 0, 0, 0, 0, 0, 0
 0

0
0
0
0

7, TAPERED , 2622_Tapered_2경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.548, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022
0.001, 2.7, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 2
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
2, 0.833, 0, NO, 0.833, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
0
0

8, COMPOSITE , 1822_2경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B

2.2, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

9, COMPOSITE , 1014_2경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B

2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 5, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

10, COMPOSITE , 1012_2경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B

2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012

1, 0, 0, 0, 2, 5
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 2, 0.8333, 0, NO, 0.8333, 0, NO
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 11, TAPERED , 1012_Tapered_2경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
 1, 1, CMP-B
 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 0.001, 2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
 0.001, 2.365, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
 1, 0, 0, 0, 5, 2
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 2, 0.8333, 0, NO, 0.8333, 0, NO
 0, 0, 0, 0, 0, 0
 0
 0
 0
 0
 0
 0
 12, TAPERED , 1822_Tapered_2경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
 1, 1, CMP-B
 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 0.001, 2.365, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
 0.001, 2.851, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
 1, 0, 0, 0, 5, 2
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 2, 0.8333, 0, NO, 0.8333, 0, NO
 0, 0, 0, 0, 0, 0
 0
 0
 0
 0
 0
 0

13, TAPERED , 2630_Tapered_2경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.851, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
1, 0, 0, 0, 5, 2
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
0, 0, 0, 0, 0, 0
0
0
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0
0

14, TAPERED , 2630_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
0.001, 2.549, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
1, 0, 0, 0, 5, 2
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
0, 0, 0, 0, 0, 0
0
0
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0
0

15, TAPERED , 2622_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.549, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022
0.001, 2.236, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 2
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
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0
0

16, TAPERED , 1822_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.236, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
0.001, 2.2, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
0
0

17, COMPOSITE , 1014_3경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B

2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 2, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8333, 0, NO, 0.8333, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

18, COMPOSITE , 1012_3경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B

2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 2, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0

0
 2, 0.8333, 0, NO, 0.8333, 0, NO
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 19, TAPERED , 1014_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
 1, 1, CMP-B
 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 0.001, 2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
 0.001, 2.365, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
 1, 0, 0, 0, 5, 2
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 2, 0.8333, 0, NO, 0.8333, 0, NO
 0, 0, 0, 0, 0, 0
 0
 0
 0
 0
 0
 0
 20, TAPERED , 1822_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
 1, 1, CMP-B
 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 0.001, 2.365, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
 0.001, 2.851, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
 1, 0, 0, 0, 5, 2
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 2, 0.8333, 0, NO, 0.8333, 0, NO
 0, 0, 0, 0, 0, 0
 0
 0
 0
 0
 0
 0
 21, TAPERED , 2630_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
 1, 1, CMP-B
 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 2.851, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

2, 0.8333, 0, NO, 0.8333, 0, NO

0, 0, 0, 0, 0, 0, 0

0

0

0

0

0

22, TAPERED , 2630_Tapered_4경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

0.001, 2.874, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

2, 0.8333, 0, NO, 0.8333, 0, NO

0, 0, 0, 0, 0, 0, 0

0

0

0

0

0

23, TAPERED , 2622_Tapered_4경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 2.874, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022

0.001, 2.718, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022

1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

2, 0.8333, 0, NO, 0.8333, 0, NO

0, 0, 0, 0, 0, 0

0

0

0

0

0

24, TAPERED , 1822_Tapered_4경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 2.718, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022

0.001, 2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022

1, 0, 0, 0, 5, 5

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

0, 0, 0, 0, 0, 0

0

0

0

0

0

25, COMPOSITE , 1014_4경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B

2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014

1, 0, 0, 0, 2, 5

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

2, 0.8333, 0, NO, 0.8333, 0, NO

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

26, COMPOSITE , 1012_4경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B

2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012

1, 0, 0, 0, 2, 5

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

2, 0.8333, 0, NO, 0.8333, 0, NO

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
27, DBUSER , 세로보 , CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2.024,
0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0, 0
28, DBUSER , "1CR01,08" , CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1.532,
0.3, 0.016, 0.016, 0, 0, 0, 0, 0, 0, 0
29, DBUSER , "1CR11,24,37" , CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1.932,
0.3, 0.016, 0.016, 0, 0, 0, 0, 0, 0, 0
30, DBUSER , "1CR02~08, 39~47" , CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 2,
1.624, 0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0
31, DBUSER , "1CR09, 23,36,38" , CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1.724,
0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0, 0
32, DBUSER , 1CR10 , CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 2,
1.824, 0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0
33, DBUSER , "1CR12, 25" , CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1.524,
0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0, 0
34, DBUSER , "1CR13,16,14~21,27~34", CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 2,
1.324, 0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0
35, DBUSER , "1CR22,35" , CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1.424,
0.3, 0.012, 0.012, 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
6,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
7,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
8,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
9,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
10,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
11,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
12,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
13,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
14,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
15,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
16,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
17,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
18,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
19,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
20,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5

21,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
22,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
23,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
24,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
25,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
26,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
27,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
28,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
29,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
30,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
31,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
32,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
33,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
34,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5
35,	255,	0,	0,	0,	255,	0,	0,	0,	255,	NO,	0.5

*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, 0

2, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

8, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

9, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

10, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

17, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

18, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

25, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

26, NO, 0, 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, 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, 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, [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

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```

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

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;      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
line
;      N1, N2, Hr, Hr2, tr1, tr2
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
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]
line
;      [SIZE-B]
line
;      [SIZE-C]
line
;      [SIZE-D]
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

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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, 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
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, COMPOSITE , 1010 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.01
1, 0, 0, 0, 2, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.833, 0, NO, 0.833, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

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0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 2, COMPOSITE , 1014 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
 2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
 1, 0, 0, 0, 2, 5
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 2, 0.833, 0, NO, 0.833, 0, NO
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 3, TAPERED , 1014_Tapered , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
 1, 1, CMP-B
 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 0.001, 2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
 0.001, 2.783, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
 1, 0, 0, 0, 2, 5
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 2, 0.833, 0, NO, 0.833, 0, NO
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 0, 0, 0, 0, 0, 0
 0
 0
 0
 0
 0
 0
 4, TAPERED , 1822_Tapered , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
 1, 1, CMP-B
 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 0.001, 2.783, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
 0.001, 3.026, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
 1, 0, 0, 0, 5, 2
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 2, 0.833, 0, NO, 0.833, 0, NO
 0, 0, 0, 0, 0, 0
 0
 0

0

0

0

5, TAPERED , 2630_Tapered , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 3.026, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

2, 0.833, 0, NO, 0.833, 0, NO

0, 0, 0, 0, 0, 0

0

0

0

0

0

6, TAPERED , 2630_Tapered_2경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 2.548, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

2, 0.833, 0, NO, 0.833, 0, NO

0, 0, 0, 0, 0, 0

0

0

0

0

0

7, TAPERED , 2622_Tapered_2경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 2.548, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022

0.001, 2.7, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022
 1, 0, 0, 0, 5, 2
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 2, 0.833, 0, NO, 0.833, 0, NO
 0, 0, 0, 0, 0, 0
 0
 0
 0
 0
 0
 8, COMPOSITE , 1822_2경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
 2.2, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
 1, 0, 0, 0, 5, 5
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 9, COMPOSITE , 1014_2경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
 2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
 1, 0, 0, 0, 5, 5
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 10, COMPOSITE , 1012_2경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
 2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
 1, 0, 0, 0, 2, 5
 1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
 0
 0
 2, 0.8333, 0, NO, 0.8333, 0, NO
 5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
 0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
 11, TAPERED , 1012_Tapered_2경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,

1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
0.001, 2.365, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 5, 2
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
0

12, TAPERED , 1822_Tapered_2경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,

1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.365, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
0.001, 2.851, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 2
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
0

13, TAPERED , 2630_Tapered_2경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,

1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.851, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
1, 0, 0, 0, 5, 2
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0

0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
0
0

14, TAPERED , 2630_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
0.001, 2.549, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03
1, 0, 0, 0, 5, 2
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
0
0

15, TAPERED , 2622_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.549, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022
0.001, 2.236, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 2
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
2, 0.8333, 0, NO, 0.8333, 0, NO
0, 0, 0, 0, 0, 0
0
0
0

0
0
16, TAPERED , 1822_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B
1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.236, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
0.001, 2.2, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
0
0
17, COMPOSITE , 1014_3경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 2, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8333, 0, NO, 0.8333, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
18, COMPOSITE , 1012_3경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 2, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8333, 0, NO, 0.8333, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
19, TAPERED , 1014_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B
1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.2, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014

0.001, 2.365, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014

1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

2, 0.8333, 0, NO, 0.8333, 0, NO

0, 0, 0, 0, 0, 0

0

0

0

0

0

20, TAPERED , 1822_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 2.365, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022

0.001, 2.851, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022

1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

2, 0.8333, 0, NO, 0.8333, 0, NO

0, 0, 0, 0, 0, 0

0

0

0

0

0

21, TAPERED , 2630_Tapered_3경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 2.851, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

2, 0.8333, 0, NO, 0.8333, 0, NO

0, 0, 0, 0, 0, 0

0

0

0

0

0

22, TAPERED , 2630_Tapered_4경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 3.2, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

0.001, 2.874, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.03

1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

2, 0.8333, 0, NO, 0.8333, 0, NO

0, 0, 0, 0, 0, 0

0

0

0

0

0

23, TAPERED , 2622_Tapered_4경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,
1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

0.001, 2.874, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022

0.001, 2.718, 0.012, 2.5, 0.1, 0.026, 2.5, 0.1, 0.022

1, 0, 0, 0, 5, 2

1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0

0

0

5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO

2, 0.8333, 0, NO, 0.8333, 0, NO

0, 0, 0, 0, 0, 0

0

0

0

0

0

24, TAPERED , 1822_Tapered_4경간, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B,

1, 1, CMP-B

1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,
0.001, 2.718, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
0.001, 2.7, 0.012, 2.5, 0.1, 0.018, 2.5, 0.1, 0.022
1, 0, 0, 0, 5, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
0

25, COMPOSITE , 1014_4경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B

2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.014
1, 0, 0, 0, 2, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8333, 0, NO, 0.8333, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

26, COMPOSITE , 1012_4경간 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B

2.7, 0.012, 2.5, 0.1, 0.01, 2.5, 0.1, 0.012
1, 0, 0, 0, 2, 5
1, rib, 0, 0.15, 0.014, 0, 0, 0, 0, 0, 0
0
0
2, 0.8333, 0, NO, 0.8333, 0, NO
5, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO, 0.4167, 0, NO
0.001, 1, 0.001, 0.001, 0.001, 0.001, 7.68337, 3.13991, 0.3, 0.18, 1.2, NO, ,

27, DBUSER , 세로보 , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2.024,
0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0

28, DBUSER , "1CR01,08" , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1.532,
0.3, 0.016, 0.016, 0, 0, 0, 0, 0, 0

29, DBUSER , "1CR11,24,37" , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1.932,
0.3, 0.016, 0.016, 0, 0, 0, 0, 0, 0

30, DBUSER , "1CR02~08, 39~47" , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , 2,

```

1.624, 0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0
31, DBUSER      , "1CR09, 23,36,38" , CC, 0, 0, 0, 0, 0, 0, YES, NO, H  , 2, 1.724,
0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0, 0
32, DBUSER      , 1CR10                , CC, 0, 0, 0, 0, 0, 0, YES, NO, H  , 2,
1.824, 0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0
33, DBUSER      , "1CR12, 25"                , CC, 0, 0, 0, 0, 0, 0, YES, NO, H  , 2, 1.524,
0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0, 0
34, DBUSER      , "1CR13,16,14~21,27~34", CC, 0, 0, 0, 0, 0, 0, YES, NO, H  , 2,
1.324, 0.3, 0.012, 0.012, 0, 0, 0, 0, 0, 0
35, DBUSER      , "1CR22,35"                , CC, 0, 0, 0, 0, 0, 0, YES, NO, H  , 2, 1.424,
0.3, 0.012, 0.012, 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, 0.266, 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
자중 , D ,
포장 , DW,
난간 , DC,
lc1 , L ,
lc2 , L ,

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lc3 , L ,
*CONSTRAINT      ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
    225, 111000,
    175, 101000,
    202 212 238 249, 011000,
    152 162 188 199, 001000,
*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, 151, 502, RIGID, 0, NO, 0.5, 0.5,
    2, 152, 503, RIGID, 0, NO, 0.5, 0.5,
    3, 153, 511, RIGID, 0, NO, 0.5, 0.5,
    4, 154, 516, RIGID, 0, NO, 0.5, 0.5,
    5, 155, 521, RIGID, 0, NO, 0.5, 0.5,
    6, 156, 526, RIGID, 0, NO, 0.5, 0.5,
    7, 157, 531, RIGID, 0, NO, 0.5, 0.5,
    8, 158, 536, RIGID, 0, NO, 0.5, 0.5,
    9, 159, 541, RIGID, 0, NO, 0.5, 0.5,
    10, 160, 546, RIGID, 0, NO, 0.5, 0.5,
    11, 161, 551, RIGID, 0, NO, 0.5, 0.5,
    12, 162, 556, RIGID, 0, NO, 0.5, 0.5,
    13, 101, 505, RIGID, 0, NO, 0.5, 0.5,
    14, 102, 506, RIGID, 0, NO, 0.5, 0.5,
    15, 103, 513, RIGID, 0, NO, 0.5, 0.5,
    16, 104, 518, RIGID, 0, NO, 0.5, 0.5,
    17, 105, 523, RIGID, 0, NO, 0.5, 0.5,
    18, 106, 528, RIGID, 0, NO, 0.5, 0.5,
    19, 107, 533, RIGID, 0, NO, 0.5, 0.5,
    20, 108, 538, RIGID, 0, NO, 0.5, 0.5,
    21, 109, 543, RIGID, 0, NO, 0.5, 0.5,
    22, 110, 548, RIGID, 0, NO, 0.5, 0.5,
    23, 111, 553, RIGID, 0, NO, 0.5, 0.5,
    24, 112, 558, RIGID, 0, NO, 0.5, 0.5,
    25, 201, 507, RIGID, 0, NO, 0.5, 0.5,

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26,	202,	508, RIGID,	0, NO, 0.5, 0.5,
27,	203,	514, RIGID,	0, NO, 0.5, 0.5,
28,	204,	519, RIGID,	0, NO, 0.5, 0.5,
29,	205,	524, RIGID,	0, NO, 0.5, 0.5,
30,	206,	529, RIGID,	0, NO, 0.5, 0.5,
31,	207,	534, RIGID,	0, NO, 0.5, 0.5,
32,	208,	539, RIGID,	0, NO, 0.5, 0.5,
33,	209,	544, RIGID,	0, NO, 0.5, 0.5,
34,	210,	549, RIGID,	0, NO, 0.5, 0.5,
35,	211,	554, RIGID,	0, NO, 0.5, 0.5,
36,	212,	559, RIGID,	0, NO, 0.5, 0.5,
37,	213,	564, RIGID,	0, NO, 0.5, 0.5,
38,	214,	569, RIGID,	0, NO, 0.5, 0.5,
39,	215,	574, RIGID,	0, NO, 0.5, 0.5,
40,	216,	579, RIGID,	0, NO, 0.5, 0.5,
41,	217,	584, RIGID,	0, NO, 0.5, 0.5,
42,	218,	589, RIGID,	0, NO, 0.5, 0.5,
43,	219,	594, RIGID,	0, NO, 0.5, 0.5,
44,	220,	599, RIGID,	0, NO, 0.5, 0.5,
45,	221,	604, RIGID,	0, NO, 0.5, 0.5,
46,	222,	609, RIGID,	0, NO, 0.5, 0.5,
47,	223,	614, RIGID,	0, NO, 0.5, 0.5,
48,	224,	619, RIGID,	0, NO, 0.5, 0.5,
49,	225,	624, RIGID,	0, NO, 0.5, 0.5,
50,	226,	629, RIGID,	0, NO, 0.5, 0.5,
51,	227,	634, RIGID,	0, NO, 0.5, 0.5,
52,	228,	639, RIGID,	0, NO, 0.5, 0.5,
53,	229,	644, RIGID,	0, NO, 0.5, 0.5,
54,	230,	649, RIGID,	0, NO, 0.5, 0.5,
55,	231,	654, RIGID,	0, NO, 0.5, 0.5,
56,	232,	659, RIGID,	0, NO, 0.5, 0.5,
57,	233,	664, RIGID,	0, NO, 0.5, 0.5,
58,	234,	669, RIGID,	0, NO, 0.5, 0.5,
59,	235,	674, RIGID,	0, NO, 0.5, 0.5,
60,	236,	679, RIGID,	0, NO, 0.5, 0.5,
61,	237,	684, RIGID,	0, NO, 0.5, 0.5,
62,	238,	689, RIGID,	0, NO, 0.5, 0.5,
63,	113,	563, RIGID,	0, NO, 0.5, 0.5,
64,	114,	568, RIGID,	0, NO, 0.5, 0.5,
65,	115,	573, RIGID,	0, NO, 0.5, 0.5,
66,	116,	578, RIGID,	0, NO, 0.5, 0.5,

67,	117,	583, RIGID,	0, NO, 0.5, 0.5,
68,	118,	588, RIGID,	0, NO, 0.5, 0.5,
69,	119,	593, RIGID,	0, NO, 0.5, 0.5,
70,	120,	598, RIGID,	0, NO, 0.5, 0.5,
71,	121,	603, RIGID,	0, NO, 0.5, 0.5,
72,	122,	608, RIGID,	0, NO, 0.5, 0.5,
73,	123,	613, RIGID,	0, NO, 0.5, 0.5,
74,	124,	618, RIGID,	0, NO, 0.5, 0.5,
75,	125,	623, RIGID,	0, NO, 0.5, 0.5,
76,	126,	628, RIGID,	0, NO, 0.5, 0.5,
77,	127,	633, RIGID,	0, NO, 0.5, 0.5,
78,	128,	638, RIGID,	0, NO, 0.5, 0.5,
79,	129,	643, RIGID,	0, NO, 0.5, 0.5,
80,	130,	648, RIGID,	0, NO, 0.5, 0.5,
81,	131,	653, RIGID,	0, NO, 0.5, 0.5,
82,	132,	658, RIGID,	0, NO, 0.5, 0.5,
83,	133,	663, RIGID,	0, NO, 0.5, 0.5,
84,	134,	668, RIGID,	0, NO, 0.5, 0.5,
85,	135,	673, RIGID,	0, NO, 0.5, 0.5,
86,	136,	678, RIGID,	0, NO, 0.5, 0.5,
87,	137,	683, RIGID,	0, NO, 0.5, 0.5,
88,	138,	688, RIGID,	0, NO, 0.5, 0.5,
89,	163,	561, RIGID,	0, NO, 0.5, 0.5,
90,	164,	566, RIGID,	0, NO, 0.5, 0.5,
91,	165,	571, RIGID,	0, NO, 0.5, 0.5,
92,	166,	576, RIGID,	0, NO, 0.5, 0.5,
93,	167,	581, RIGID,	0, NO, 0.5, 0.5,
94,	168,	586, RIGID,	0, NO, 0.5, 0.5,
95,	169,	591, RIGID,	0, NO, 0.5, 0.5,
96,	170,	596, RIGID,	0, NO, 0.5, 0.5,
97,	171,	601, RIGID,	0, NO, 0.5, 0.5,
98,	172,	606, RIGID,	0, NO, 0.5, 0.5,
99,	173,	611, RIGID,	0, NO, 0.5, 0.5,
100,	174,	616, RIGID,	0, NO, 0.5, 0.5,
101,	175,	621, RIGID,	0, NO, 0.5, 0.5,
102,	176,	626, RIGID,	0, NO, 0.5, 0.5,
103,	177,	631, RIGID,	0, NO, 0.5, 0.5,
104,	178,	636, RIGID,	0, NO, 0.5, 0.5,
105,	179,	641, RIGID,	0, NO, 0.5, 0.5,
106,	180,	646, RIGID,	0, NO, 0.5, 0.5,
107,	181,	651, RIGID,	0, NO, 0.5, 0.5,

108,	656,	182, RIGID,	0, NO, 0.5, 0.5,
109,	183,	661, RIGID,	0, NO, 0.5, 0.5,
110,	184,	666, RIGID,	0, NO, 0.5, 0.5,
111,	185,	671, RIGID,	0, NO, 0.5, 0.5,
112,	186,	676, RIGID,	0, NO, 0.5, 0.5,
113,	187,	681, RIGID,	0, NO, 0.5, 0.5,
114,	188,	686, RIGID,	0, NO, 0.5, 0.5,
115,	239,	694, RIGID,	0, NO, 0.5, 0.5,
116,	240,	699, RIGID,	0, NO, 0.5, 0.5,
117,	241,	704, RIGID,	0, NO, 0.5, 0.5,
118,	242,	709, RIGID,	0, NO, 0.5, 0.5,
119,	243,	714, RIGID,	0, NO, 0.5, 0.5,
120,	244,	719, RIGID,	0, NO, 0.5, 0.5,
121,	245,	724, RIGID,	0, NO, 0.5, 0.5,
122,	246,	729, RIGID,	0, NO, 0.5, 0.5,
123,	247,	734, RIGID,	0, NO, 0.5, 0.5,
124,	248,	739, RIGID,	0, NO, 0.5, 0.5,
125,	249,	744, RIGID,	0, NO, 0.5, 0.5,
126,	250,	749, RIGID,	0, NO, 0.5, 0.5,
127,	139,	693, RIGID,	0, NO, 0.5, 0.5,
128,	140,	698, RIGID,	0, NO, 0.5, 0.5,
129,	141,	703, RIGID,	0, NO, 0.5, 0.5,
130,	142,	708, RIGID,	0, NO, 0.5, 0.5,
131,	143,	713, RIGID,	0, NO, 0.5, 0.5,
132,	144,	718, RIGID,	0, NO, 0.5, 0.5,
133,	145,	723, RIGID,	0, NO, 0.5, 0.5,
134,	146,	728, RIGID,	0, NO, 0.5, 0.5,
135,	147,	733, RIGID,	0, NO, 0.5, 0.5,
136,	148,	738, RIGID,	0, NO, 0.5, 0.5,
137,	149,	743, RIGID,	0, NO, 0.5, 0.5,
138,	150,	748, RIGID,	0, NO, 0.5, 0.5,
139,	189,	691, RIGID,	0, NO, 0.5, 0.5,
140,	190,	696, RIGID,	0, NO, 0.5, 0.5,
141,	191,	701, RIGID,	0, NO, 0.5, 0.5,
142,	192,	706, RIGID,	0, NO, 0.5, 0.5,
143,	193,	711, RIGID,	0, NO, 0.5, 0.5,
144,	194,	716, RIGID,	0, NO, 0.5, 0.5,
145,	195,	721, RIGID,	0, NO, 0.5, 0.5,
146,	196,	726, RIGID,	0, NO, 0.5, 0.5,
147,	197,	731, RIGID,	0, NO, 0.5, 0.5,
148,	198,	736, RIGID,	0, NO, 0.5, 0.5,

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149, 199, 741, RIGID, 0, NO, 0.5, 0.5,
150, 200, 746, RIGID, 0, NO, 0.5, 0.5,
; *LOADTOMASS, DIR, bNODAL, bBEAM, bFLOOR, bPRES, GRAV
; LCNAME1, FACTOR1, LCNAME2, FACTOR2, ... ; from line 1
*LOADTOMASS, XYZ, NO, NO, NO, YES, 9.806
포장, 1, 난간, 1
*USE-STLD, 자중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
; End of data for load case [자중] -----
*USE-STLD, 포장
*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
398, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
399, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
400, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
402, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
403, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
404, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
406, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
407, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
408, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
410, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
411, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
412, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
414, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
415, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
416, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
418, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
419, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
420, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
422, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
423, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,

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[illegible]

[illegible]

[illegible]

[illegible]

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679, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
680, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
681, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
682, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
683, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
684, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
685, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
686, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
687, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
688, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
689, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
690, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -0.119817, 0, 0, 0, 0,
; End of data for load case [포장] -----
*USE-STLD, 난간
*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
397, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
401, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
405, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
409, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
413, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
417, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
421, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
425, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
429, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
433, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
437, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
441, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
445, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
449, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
453, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
457, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,
461, PRES , PLATE, FACE, GZ, 0, 0, 0, NO, -1.95446, 0, 0, 0, 0,

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[illegible]

602	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
603	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
604	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
605	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
606	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
607	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
608	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
609	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
610	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
611	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
612	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
613	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
614	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
615	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
616	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
617	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
618	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
619	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
620	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
621	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
622	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
623	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
624	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
625	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
626	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
627	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
628	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
629	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
630	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
631	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
632	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
633	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
634	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
635	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
636	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
637	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
638	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
639	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
640	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0
641	PRES		PLATE	FACE	GZ	0	0	0	NO	-1.76037	0	0	0	0

: End of data for

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*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=lc1, POINT,
  DATA=15.45, 0.9, -3.3, 0
        18.75, 0.9, -5.573, 0
        20.05, 0.9, -5.573, 0
  NAME=lc2, POINT,
  DATA=15.45, 5.075, -3.3, 0
        18.75, 5.075, -5.573, 0
        20.05, 5.075, -5.573, 0
  NAME=lc3, POINT,
  DATA=15.45, 9.25, -3.3, 0
        18.75, 9.25, -5.573, 0
        20.05, 9.25, -5.573, 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
  lc1, lc1, PLATE,
  LPLANE, , 1, NLP, NO,
  0, 0, 1.493, 27.6194, 2.20426, 1.493, 26.7606, 14.6296, 1.493, 0.001, NO
  lc1, lc1, PLATE,
  LPLANE, , 1, NLP, NO,
  0, 1.85, 1.493, 27.6194, 4.05427, 1.493, 26.7606, 16.4796, 1.493, 0.001, NO
  lc2, lc2, PLATE,
  LPLANE, , 1, NLP, NO,
  0, 0, 1.493, 27.6194, 2.20426, 1.493, 26.7606, 14.6296, 1.493, 0.001, NO
  lc2, lc2, PLATE,

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LPLANE, , 1, NLP, NO,
0, 1.85, 1.493, 27.6194, 4.05427, 1.493, 26.7606, 16.4796, 1.493, 0.001, NO
lc3, lc3, PLATE,
LPLANE, , 1, NLP, NO,
0, 0, 1.493, 27.6194, 2.20426, 1.493, 26.7606, 14.6296, 1.493, 0.001, NO
lc3, lc3, PLATE,
LPLANE, , 1, NLP, NO,
0, 1.85, 1.493, 27.6194, 4.05427, 1.493, 26.7606, 16.4796, 1.493, 0.001, NO
*MVLDCODE ; Moving Load Code
; CODE=CODE
CODE=KOREA
*SURFLANE ; Traffic Surface Lanes
; NAME=NAME, WIDTH, START, END, MOVING, WS, bLANEOPT ; line 1
; iNODE1, OFFSET1, FACT1, bSPAN1, ECCVL ... ; from line 2
; iNODE1, OFFSET1, dSPAN, dFACT, ... ; from line 2
NAME=1, 3.6, 70, 70, BOTH, 1.8, NO
501, 2.25, 0, YES, 0, 504, 2.25, 0, NO, 0, 512, 2.25, 0, NO, 0
517, 2.25, 0, NO, 0, 522, 2.25, 0, NO, 0, 527, 2.25, 0, NO, 0
532, 2.25, 0, NO, 0, 537, 2.25, 0, NO, 0, 542, 2.25, 0, NO, 0
547, 2.25, 0, NO, 0, 552, 2.25, 0, NO, 0, 557, 2.25, 0, NO, 0
562, 2.25, 0, NO, 0, 567, 2.25, 0, NO, 0, 572, 2.25, 0, NO, 0
577, 2.25, 0, NO, 0, 582, 2.25, 0, NO, 0, 587, 2.25, 0, NO, 0
592, 2.25, 0, NO, 0, 597, 2.25, 0, NO, 0, 602, 2.25, 0, NO, 0
607, 2.25, 0, NO, 0, 612, 2.25, 0, NO, 0, 617, 2.25, 0, NO, 0
622, 2.25, 0, NO, 0, 627, 2.25, 0, NO, 0, 632, 2.25, 0, NO, 0
637, 2.25, 0, NO, 0, 642, 2.25, 0, NO, 0, 647, 2.25, 0, NO, 0
652, 2.25, 0, NO, 0, 657, 2.25, 0, NO, 0, 662, 2.25, 0, NO, 0
667, 2.25, 0, NO, 0, 672, 2.25, 0, NO, 0, 677, 2.25, 0, NO, 0
682, 2.25, 0, NO, 0, 687, 2.25, 0, NO, 0, 692, 2.25, 0, NO, 0
697, 2.25, 0, NO, 0, 702, 2.25, 0, NO, 0, 707, 2.25, 0, NO, 0
712, 2.25, 0, NO, 0, 717, 2.25, 0, NO, 0, 722, 2.25, 0, NO, 0
727, 2.25, 0, NO, 0, 732, 2.25, 0, NO, 0, 737, 2.25, 0, NO, 0
742, 2.25, 0, NO, 0, 747, 2.25, 0, NO, 0
NAME=2, 3.6, 70, 70, BOTH, 1.8, NO
501, 5.85, 0, YES, 0, 504, 5.85, 0, NO, 0, 512, 5.85, 0, NO, 0
517, 5.85, 0, NO, 0, 522, 5.85, 0, NO, 0, 527, 5.85, 0, NO, 0
532, 5.85, 0, NO, 0, 537, 5.85, 0, NO, 0, 542, 5.85, 0, NO, 0
547, 5.85, 0, NO, 0, 552, 5.85, 0, NO, 0, 557, 5.85, 0, NO, 0
562, 5.85, 0, NO, 0, 567, 5.85, 0, NO, 0, 572, 5.85, 0, NO, 0
577, 5.85, 0, NO, 0, 582, 5.85, 0, NO, 0, 587, 5.85, 0, NO, 0
592, 5.85, 0, NO, 0, 597, 5.85, 0, NO, 0, 602, 5.85, 0, NO, 0

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607, 5.85, 0, NO, 0,	612, 5.85, 0, NO, 0,	617, 5.85, 0, NO, 0
622, 5.85, 0, NO, 0,	627, 5.85, 0, NO, 0,	632, 5.85, 0, NO, 0
637, 5.85, 0, NO, 0,	642, 5.85, 0, NO, 0,	647, 5.85, 0, NO, 0
652, 5.85, 0, NO, 0,	657, 5.85, 0, NO, 0,	662, 5.85, 0, NO, 0
667, 5.85, 0, NO, 0,	672, 5.85, 0, NO, 0,	677, 5.85, 0, NO, 0
682, 5.85, 0, NO, 0,	687, 5.85, 0, NO, 0,	692, 5.85, 0, NO, 0
697, 5.85, 0, NO, 0,	702, 5.85, 0, NO, 0,	707, 5.85, 0, NO, 0
712, 5.85, 0, NO, 0,	717, 5.85, 0, NO, 0,	722, 5.85, 0, NO, 0
727, 5.85, 0, NO, 0,	732, 5.85, 0, NO, 0,	737, 5.85, 0, NO, 0
742, 5.85, 0, NO, 0,	747, 5.85, 0, NO, 0	

NAME=3, 3.6, 70, 70, BOTH, 1.8, NO

501, 9.35, 0, YES, 0,	504, 9.35, 0, NO, 0,	512, 9.35, 0, NO, 0
517, 9.35, 0, NO, 0,	522, 9.35, 0, NO, 0,	527, 9.35, 0, NO, 0
532, 9.35, 0, NO, 0,	537, 9.35, 0, NO, 0,	542, 9.35, 0, NO, 0
547, 9.35, 0, NO, 0,	552, 9.35, 0, NO, 0,	557, 9.35, 0, NO, 0
562, 9.35, 0, NO, 0,	567, 9.35, 0, NO, 0,	572, 9.35, 0, NO, 0
577, 9.35, 0, NO, 0,	582, 9.35, 0, NO, 0,	587, 9.35, 0, NO, 0
592, 9.35, 0, NO, 0,	597, 9.35, 0, NO, 0,	602, 9.35, 0, NO, 0
607, 9.35, 0, NO, 0,	612, 9.35, 0, NO, 0,	617, 9.35, 0, NO, 0
622, 9.35, 0, NO, 0,	627, 9.35, 0, NO, 0,	632, 9.35, 0, NO, 0
637, 9.35, 0, NO, 0,	642, 9.35, 0, NO, 0,	647, 9.35, 0, NO, 0
652, 9.35, 0, NO, 0,	657, 9.35, 0, NO, 0,	662, 9.35, 0, NO, 0
667, 9.35, 0, NO, 0,	672, 9.35, 0, NO, 0,	677, 9.35, 0, NO, 0
682, 9.35, 0, NO, 0,	687, 9.35, 0, NO, 0,	692, 9.35, 0, NO, 0
697, 9.35, 0, NO, 0,	702, 9.35, 0, NO, 0,	707, 9.35, 0, NO, 0
712, 9.35, 0, NO, 0,	717, 9.35, 0, NO, 0,	722, 9.35, 0, NO, 0
727, 9.35, 0, NO, 0,	732, 9.35, 0, NO, 0,	737, 9.35, 0, NO, 0
742, 9.35, 0, NO, 0,	747, 9.35, 0, NO, 0	

*VEHICLE ; Vehicles

; if Moving Load Code is China

; NAME=NAME, 1, TYPE=NAME, CODE ;
standard

; NAME=NAME, 2, LTYPE, [TRUCK/LANE] or [TRAIN/SUBWAY] or [CROWD]
; user: line 1

; LOAD1, DIST1, LOAD2, DIST2, ... ;
user: from line 2

; [TRUCK/LANE] : 1, P, Qm, Qq ;
truck(JTG)

; [TRUCK/LANE] : 2, P, Qm, Qq ;
lane load1

; [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2 ; lane

```

load2
; [TRUCK/LANE] : 4, dW, dD ;
crawler type
; [TRUCK/LANE] : 5 ; GC
type load
; [TRAIN/SUBWAY] : iTYPE, W1, D1, W2, D2 ;
train-type1,3
; [TRAIN/SUBWAY] : iTYPE, DD, FD, BD, MAINCOUNT ;
train-type2
; [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR ;
subway
; [CROWD] : 1, dW1 ;
crowd-type1
; [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH ;
crowd-type2
; if Moving Load Type is India
; NAME=NAME, 1, TYPE-NAME, CODE ;
standard
; NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST ;
user: line 1
; NAME=NAME, 2, bWTB, dD1, dD2, NDIST ;
user: line 1
; LOAD1, DIST1, LOAD2, DIST2, ... ;
user: from line 2
; if Moving Load Code is CANADA
; NAME=NAME, 1, TYPE-NAME, DLA, CODE, [DYNA]
; standard
; NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST, [DYNA] ;
user: line 1
; LOAD1, DIST1, LOAD2, DIST2, ... ;
user: from line 2
; [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE
; Dynamic Load Allowance
; if Moving Load Code is BS
; NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM
; standard
; NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4, 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], [BS-DATA-LF] ;

```

```

user(HA)
; NAME=NAME, 2, iSTYPE, [BS-DATA-HB] ;
user(HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA2], [BS-DATA-HB2], [BS-DATA-LF]
; user(HA&HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BD37/01-HB], [BS-DATA-LF] ;
user(HA&HB(AUTO))
; NAME=NAME, 2, iSTYPE, W, L ;
user(Pedestrian)
; NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1, P2, D2, ... ;
user(Special Vehicle)
; [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa
; [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
; [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
; [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
; [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
; if Moving Load Code is EUROCODE
; 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

```

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;      [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)

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; 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
; standard
; NAME=NAME, 2, 8, L1, W1, W2, EXP, dDYNAFAC, nLANELOAD, L
; user: line 1 (Type 1)
; NAME=NAME, 2, 1, W1, W2, D1, D2, 0, 0, 0
; user: line 1 (Type 2)
; NAME=NAME, 2, 6, LOADNUM, DIST, W, L, 0, 0, 0
; user: line 1 (Type 3)

```

```

;      LOAD1, DIST1, LOAD2, DIST2, ... ;
user: from line 2
; if Moving Load Code is AASHTO LRFD, CANADA and Load Type is Permit Truck
;      NAME=NAME,      3,      AXLE-TYPE-NUM,      IMP-FACTOR
; user(Permit Truck)
;      AXLE-TYPE-NAME1, bEDWL1, bSV1, P1, D1, P2, D2, ..., Pn, Dn ;
user(from line 2)
;      ...
;      AXLE-TYPE-NAMEn, bEDWLn, bSVn, P1, D1, P2, D2, ..., Pn, Dn
;      AXLE-TYPE1, SPACING1, bVS1, AXLE-TYPE2, SPACING2, bVS2 ...
; line 2+AXLE-TYPE-NUM
; if Moving Load Code is not one of those specified above.
;      NAME=NAME,      1,      TYPE-NAME,      DLA,      CODE
; standard
; NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST ;
user: line 1
;      LOAD1, DIST1, LOAD2, DIST2, ... ;
user: from line 2
      NAME=DB-24, 1, DB-24, 0, KS-RB
      NAME=DL-24, 1, DL-24, 0, KS-RB
*VCLASS ; Vehicle Classes
; NAME=NAME ; line 1
;      VLOAD1, VLOAD2, ... ; from line 2
      NAME=1등급
      DB-24, DL-24
*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
;
; ; ...
;      TYPEn, 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 ...
;
; Traffic Lane Optimization n+1th line
NAME=1등교, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 1
1, 1, 1, 1, 1, 0.5, 0.25
VC, 1등교, 1, 0, 3, 1, 2, 3
*LOADCOMB ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE ;
line 1
; ANAL1, LCNAME1, FACT1, ... ; from line 2
NAME=1차고정하중, GEN, ACTIVE, 0, 0, , 0, 0
ST, 자중, 1
NAME=2차고정하중, GEN, ACTIVE, 0, 0, , 0, 0
ST, 포장, 1, ST, 난간, 1
NAME=1등교, GEN, ACTIVE, 0, 0, , 0, 0
MV, 1등교, 1
*LC-COLOR ; Diagram Color for Load Case
; ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN),
iR3(MAX), iG2(MAX), iB2(MAX)
ST, 자중, 192, 0, 128, 93, 255, 87, 148, 87, 255
ST, 포장, 0, 128, 192, 192, 72, 0, 255, 87, 87
ST, 난간, 192, 0, 128, 255, 0, 128, 85, 192, 0
MV, 1등교, 85, 192, 0, 192, 192, 192, 0, 128, 128
CB, 1차고정하중, 0, 128, 192, 255, 255, 87, 255, 255, 255
CB, 2차고정하중, 192, 0, 192, 255, 128, 0, 255, 128, 0
CB, 1등교, 0, 157, 192, 255, 128, 0, 0, 128, 192
ST, lc1, 160, 192, 255, 0, 128, 192, 160, 255, 255
ST, lc2, 255, 192, 160, 255, 192, 160, 255, 192, 87
ST, lc3, 85, 192, 0, 255, 128, 0, 160, 255, 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, 10, 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, STEEL, SM520 , 1, KSCE-LSD15(S), ,SM520 ,
1, KSCE-LSD15(RC), , , , 0, 0,NO,0.0000e+000, 0,, 0,
0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0,
0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,
2, STEEL, SM400 , 1, KSCE-LSD15(S), ,SM400 ,
1, KSCE-LSD15(RC), , , , 0, 0,NO,0.0000e+000, 0,, 0,
0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0,
0,0.0000e+000, 0,, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,
3, CONC , C27 , 1, KSCE-LSD15(RC), ,C27 ,
NO, 1, , , , 0, 0, 1927.26364252828, 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  
0, 0, 0, 0  
    SECT=4, YES  
0, 0, 0, 0  
    SECT=5, YES  
0, 0, 0, 0  
    SECT=6, YES  
0, 0, 0, 0  
    SECT=7, YES  
0, 0, 0, 0  
    SECT=8, YES  
0, 0, 0, 0  
    SECT=9, YES  
0, 0, 0, 0  
    SECT=10, YES  
0, 0, 0, 0  
    SECT=11, YES  
0, 0, 0, 0  
    SECT=12, YES  
0, 0, 0, 0  
    SECT=13, YES  
0, 0, 0, 0  
    SECT=14, YES  
0, 0, 0, 0  
    SECT=15, YES  
0, 0, 0, 0  
    SECT=16, YES  
0, 0, 0, 0  
    SECT=17, YES  
0, 0, 0, 0  
    SECT=18, YES  
0, 0, 0, 0  
    SECT=19, YES  
0, 0, 0, 0  
    SECT=20, YES  
0, 0, 0, 0
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```

    SECT=21, YES
0, 0, 0, 0
    SECT=22, YES
0, 0, 0, 0
    SECT=23, YES
0, 0, 0, 0
    SECT=24, YES
0, 0, 0, 0
    SECT=25, YES
0, 0, 0, 0
    SECT=26, YES
0, 0, 0, 0
*SECTION MANAGER-STIFFENER      ; Section Manager - Stiffener
; SECT = NO, bSAMEJ                                     ;
line 1
;      STFNISIZE, STFNJSIZE                                     ;
line 2
; ..... ;
;      LOOP UTIL (STFNISIZE, STFNJSIZE)                       ;

;      TYPE, Z, STANDREF, POSLINE, STANDREFL, NUM, CTC
; line n
;      STIFFTYPE, dSIZE(0 ~ 20)                                     ;
line n
;      LINESIZE, LINEINDEX[i].....                               ; line
n
; ..... ;
    SECT=1, YES
0, 0
    SECT=2, YES
0, 0
    SECT=3, YES
0, 0
    SECT=4, YES
0, 0
    SECT=5, YES
0, 0
    SECT=6, YES
0, 0
    SECT=7, YES
0, 0

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SECT=8, YES
0, 0
SECT=9, YES
0, 0
SECT=10, YES
0, 0
SECT=11, YES
0, 0
SECT=12, YES
0, 0
SECT=13, YES
0, 0
SECT=14, YES
0, 0
SECT=15, YES
0, 0
SECT=16, YES
0, 0
SECT=17, YES
0, 0
SECT=18, YES
0, 0
SECT=19, YES
0, 0
SECT=20, YES
0, 0
SECT=21, YES
0, 0
SECT=22, YES
0, 0
SECT=23, YES
0, 0
SECT=24, YES
0, 0
SECT=25, YES
0, 0
SECT=26, YES
0, 0
*ENDDATA