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*UNIT      : Unit System
:  FORCE,   LENGTH,   HEAT,
TEMPER
      KN      , M, KCAL, C
*STRUCTYPE : Structure Type
:  iSTYP,   iMASS,   iSMAS,
bMASSOFFSET, bSELFWEIGHT,
GRAV,  TEMPER,  bALIGNBEAM,
bALIGNSLAB, bROTRIGID
      0, 1, 1, NO, YES, 9.806, 0,
NO, NO, NO
*REBAR-MATL-CODE : Rebar
Material Code
:  CONC_CODE,  CONC_MDB,
SRC_CODE, SRC_MDB
      KSCE-LSD15(RC), SD300,
KSCE-LSD15(RC), SD300
*NODE      : Nodes
:  iNO, X, Y, Z
      1, -0.355, 13.753, 0
      2, 0.253, 13.753, 0
      3, 0.581, 13.754, 0
      4, -0.963, 13.755, 0
      5, 3.899, 13.799, 0
      6, 5.719, 13.856, 0
      7, -5.846, 13.883, 0
      8, 6.579, 13.89, 0
      9, -6.456, 13.91, 0
      10, -8.037, 13.992, 0
      11, 8.748, 14.001, 0
      12, -9.008, 14.051, 0
      13, -10.722, 14.172, 0
      14, 13.627, 14.369, 0
      15, -14.111, 14.47, 0
      16, -14.392, 14.498, 0
      17, -15.028, 14.564, 0
      18, -17.653, 14.867, 0
      19, 18.472, 14.9, 0
      20, -19.478, 15.106, 0
      21, 23.307, 15.594, 0
      22, 23.913, 15.693, 0
      23, 24.518, 15.794, 0
      24, 24.787, 15.84, 0
      25, -24.546, 15.895, 0
      26, -26.42, 16.234, 0
      27, -0.941, 16.321, 0
      28, 3.835, 16.36, 0
      29, -5.738, 16.443, 0
      30, 28.135, 16.455, 0
      31, -27.666, 16.473, 0
      32, 8.598, 16.559, 0
      33, -10.528, 16.727, 0
      34, -29.532, 16.852, 0
      35, 13.391, 16.921, 0
      36, 30.826, 17.008, 0
      37, -14.133, 17.047, 0
      38, 31.754, 17.212, 0
      39, 32.355, 17.347, 0
      40, 18.15, 17.442, 0
      41, 32.954, 17.484, 0
      42, 33.54, 17.621, 0
      43, -19.128, 17.645, 0
      44, -34.441, 17.973, 0
      45, 22.9, 18.124, 0
      46, -24.107, 18.42, 0
      47, 37.766, 18.684, 0
      48, 0.254, 18.878, 0
      49, -0.333, 18.88, 0
      50, 0.57, 18.879, 0
      51, -0.919, 18.884, 0
      52, 3.771, 18.922, 0
      53, 27.642, 18.97, 0
      54, 5.527, 18.977, 0
      55, -5.629, 19.003, 0
      56, 6.356, 19.011, 0
      57, -6.217, 19.03, 0
      58, 39.261, 19.093, 0
      59, -7.743, 19.109, 0
      60, 8.448, 19.117, 0
      61, -8.68, 19.166, 0
      62, -39.273, 19.254, 0

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64, -29.004, 19.36, 0
65, 13.155, 19.472, 0
66, 40.776, 19.525, 0
67, -13.603, 19.569, 0
68, -13.873, 19.597, 0
69, -14.487, 19.66, 0
70, -17.019, 19.953, 0
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92, 49.014, 22.191, 0
93, 30.641, 22.214, 0
94, -48.714, 22.284, 0
95, 31.221, 22.345, 0
96, 31.799, 22.477, 0
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131, -46.981, 27.107, 0
132, 61.732, 27.424, 0
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135, 62.335, 27.708, 0
136, -62.329, 27.972, 0
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138, 63.272, 28.156, 0
139, -62.837, 28.216, 0
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171, 61.045, 32.772, 0
172, -60.606, 32.83, 0
173, 72.498, 33.024, 0
174, -61.714, 33.372, 0
175, -63.3, 34.169, 0
176, -74.108, 34.296, 0
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222, 90.416, 45.185, 0
223, 82.613, 45.687, 0
224, -90.769, 45.916, 0
225, 87.639, 46.262, 0
226, 83.651, 46.451, 0
227, 92.236, 46.654, 0
228, -83.814, 46.991, 0
229, 88.664, 47.066, 0
230, 88.823, 47.192, 0

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231, 93.256, 47.499, 0	5, 28, 0, 0	50, 52, 0, 0
232, -89.16, 47.91, 0	22, BEAM, , 3,	53, 64, BEAM, , 3,
233, 86.067, 48.286, 0	7, 29, 0, 0	43, 74, 0, 0
234, -94.538, 49.065, 0	23, BEAM, , 2,	31, 65, BEAM, , 2,
235, 87.07, 49.08, 0	19, 21, 0, 0	55, 51, 0, 0
236, 95.212, 49.164, 0	24, BEAM, , 3,	53, 66, BEAM, , 2,
237, 87.229, 49.199, 0	11, 32, 0, 0	52, 54, 0, 0
238, -87.55, 49.904, 0	25, BEAM, , 3,	53, 67, BEAM, , 2,
239, 88.984, 50.616, 0	13, 33, 0, 0	54, 56, 0, 0
240, -92.862, 51.004, 0	26, BEAM, , 2,	20, 68, BEAM, , 2,
241, 93.534, 51.1, 0	25, 20, 0, 0	57, 55, 0, 0
242, 97.718, 51.387, 0	27, BEAM, , 2,	31, 69, BEAM, , 2,
243, 89.969, 51.431, 0	21, 22, 0, 0	56, 60, 0, 0
244, -97.723, 51.902, 0	28, BEAM, , 3,	53, 70, BEAM, , 2,
245, -98.048, 52.202, 0	14, 35, 0, 0	59, 57, 0, 0
246, -91.186, 52.942, 0	29, BEAM, , 2,	32, 71, BEAM, , 2,
247, 91.856, 53.037, 0	22, 23, 0, 0	61, 59, 0, 0
248, 95.995, 53.284, 0	30, BEAM, , 3,	53, 72, BEAM, , 3,
249, 100.134, 53.631, 0	16, 37, 0, 0	44, 75, 0, 0
250, -95.991, 53.791, 0	31, BEAM, , 2,	33, 73, BEAM, , 2,
251, 100.445, 53.927, 0	23, 24, 0, 0	63, 61, 0, 0
252, 94.273, 55.181, 0	32, BEAM, , 2,	19, 74, BEAM, , 2,
253, 98.369, 55.488, 0	26, 25, 0, 0	60, 65, 0, 0
254, -94.261, 55.682, 0	33, BEAM, , 2,	34, 75, BEAM, , 2,
255, -94.572, 55.968, 0	24, 30, 0, 0	58, 66, 0, 0
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257, 96.904, 57.632, 0	19, 40, 0, 0	45, 76, 0, 0
258, 88.575, 50.275, 0	35, BEAM, , 2,	18, 77, BEAM, , 2,
259, 91.828, 46.303, 0	31, 26, 0, 0	67, 63, 0, 0
*ELEMENT ; Elements	36, BEAM, , 3,	53, 78, BEAM, , 2,
; iEL, TYPE, iMAT, iPRO, iN1,	20, 43, 0, 0	68, 67, 0, 0
iN2, ANGLE, iSUB, EXVAL,	37, BEAM, , 2,	17, 79, BEAM, , 2,
iOPT(EXVAL2) ; Frame Element	34, 31, 0, 0	69, 68, 0, 0
; iEL, TYPE, iMAT, iPRO, iN1,	38, BEAM, , 2,	34, 80, BEAM, , 3,
iN2, ANGLE, iSUB, EXVAL,	30, 36, 0, 0	46, 82, 0, 0
EXVAL2, bLMT ; Comp/Tens	39, BEAM, , 3,	53, 81, BEAM, , 2,
Truss	21, 45, 0, 0	65, 72, 0, 0
; iEL, TYPE, iMAT, iPRO, iN1,	40, BEAM, , 2,	35, 82, BEAM, , 2,
iN2, iN3, iN4, iSUB, iWID ,	36, 38, 0, 0	53, 73, 0, 0
LCAXIS ; Planar Element	41, BEAM, , 3,	70, 83, BEAM, , 2,
; iEL, TYPE, iMAT, iPRO, iN1,	25, 46, 0, 0	36, 84, BEAM, , 3,
iN2, iN3, iN4, iN5, iN6, iN7, iN8	42, BEAM, , 2,	47, 83, 0, 0
; Solid Element	38, 39, 0, 0	16, 85, BEAM, , 2,
1, BEAM, , 2, 27,	43, BEAM, , 2,	77, 62, 0, 0
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2, 2, BEAM, , 2, 28,	39, 41, 0, 0	74, 70, 0, 0
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4, 3, BEAM, , 2, 26,	41, 42, 0, 0	53, 85, 0, 0
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4, 4, BEAM, , 2, 29,	27, 51, 0, 0	53, 89, BEAM, , 2,
3, 5, 0, 0	28, 52, 0, 0	73, 79, 0, 0
7, 5, BEAM, , 2, 26,	48, BEAM, , 3,	53, 90, BEAM, , 3,
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6, 7, BEAM, , 2, 30,	29, 55, 0, 0	53, 92, BEAM, , 3,
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8, 11, 0, 0	34, 63, 0, 0	78, 78, 0, 0
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20, 19, BEAM, , 2, 20,	61, BEAM, , 2,	
20, 18, 0, 0	51, 49, 0, 0	
4, 20, BEAM, , 3, 53,	62, BEAM, , 2,	
4, 27, 0, 0	47, 58, 0, 0	
21, BEAM, , 3, 53,	63, BEAM, , 2,	

75,	99,	0,	0	128,	129,	0,	0	166,	161,	0,	0
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85,	91,	0,	0	129,	130,	0,	0	163,	169,	0,	0
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77,	100,	0,	0	134,	125,	0,	0	165,	168,	0,	0
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89,	92,	0,	0	126,	132,	0,	0	170,	167,	0,	0
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91,	93,	0,	0	124,	137,	0,	0	168,	171,	0,	0
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93,	95,	0,	0	125,	140,	0,	0	169,	173,	0,	0
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95,	96,	0,	0	127,	145,	0,	0	174,	172,	0,	0
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96,	98,	0,	0	141,	131,	0,	0	164,	177,	0,	0
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92,	102,	0,	0	136,	134,	0,	0	176,	166,	0,	0
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87,	109,	0,	0	135,	138,	0,	0	166,	178,	0,	0
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103,	94,	0,	0	139,	136,	0,	0	169,	179,	0,	0
118, BEAM	,	3,	53,	160, BEAM	,	2,	40,	202, BEAM	,	2,	46,
88,	111,	0,	0	137,	142,	0,	0	171,	177,	0,	0
119, BEAM	,	2,	38,	161, BEAM	,	2,	41,	203, BEAM	,	2,	10,
98,	105,	0,	0	142,	143,	0,	0	175,	174,	0,	0
120, BEAM	,	2,	40,	162, BEAM	,	2,	11,	204, BEAM	,	2,	49,
102,	104,	0,	0	144,	139,	0,	0	173,	183,	0,	0
121, BEAM	,	3,	53,	163, BEAM	,	2,	15,	205, BEAM	,	2,	6,
94,	116,	0,	0	145,	141,	0,	0	180,	176,	0,	0
122, BEAM	,	2,	16,	164, BEAM	,	3,	53,	206, BEAM	,	2,	10,
111,	99,	0,	0	132,	150,	0,	0	182,	175,	0,	0
123, BEAM	,	2,	41,	165, BEAM	,	2,	41,	207, BEAM	,	2,	6,
104,	106,	0,	0	143,	146,	0,	0	181,	180,	0,	0
124, BEAM	,	3,	53,	166, BEAM	,	3,	53,	208, BEAM	,	2,	46,
97,	118,	0,	0	133,	154,	0,	0	177,	186,	0,	0
125, BEAM	,	2,	15,	167, BEAM	,	2,	46,	209, BEAM	,	2,	5,
107,	103,	0,	0	138,	152,	0,	0	184,	181,	0,	0
126, BEAM	,	2,	38,	168, BEAM	,	2,	15,	210, BEAM	,	2,	9,
105,	108,	0,	0	147,	145,	0,	0	185,	182,	0,	0
127, BEAM	,	2,	41,	169, BEAM	,	3,	53,	211, BEAM	,	3,	53,
106,	112,	0,	0	136,	155,	0,	0	178,	190,	0,	0
128, BEAM	,	2,	39,	170, BEAM	,	2,	10,	212, BEAM	,	3,	53,
108,	113,	0,	0	148,	144,	0,	0	179,	191,	0,	0
129, BEAM	,	2,	15,	171, BEAM	,	2,	14,	213, BEAM	,	3,	53,
114,	107,	0,	0	149,	147,	0,	0	180,	192,	0,	0
130, BEAM	,	3,	53,	172, BEAM	,	3,	53,	214, BEAM	,	2,	49,
100,	122,	0,	0	140,	157,	0,	0	183,	188,	0,	0
131, BEAM	,	3,	53,	173, BEAM	,	2,	42,	215, BEAM	,	2,	8,
102,	124,	0,	0	146,	151,	0,	0	187,	185,	0,	0
132, BEAM	,	2,	14,	174, BEAM	,	2,	54,	216, BEAM	,	2,	47,
117,	114,	0,	0	153,	149,	0,	0	186,	189,	0,	0
133, BEAM	,	2,	40,	175, BEAM	,	2,	43,	217, BEAM	,	3,	53,
113,	118,	0,	0	151,	154,	0,	0	183,	194,	0,	0
134, BEAM	,	2,	42,	176, BEAM	,	2,	10,	218, BEAM	,	2,	4,
112,	119,	0,	0	156,	148,	0,	0	193,	184,	0,	0
135, BEAM	,	2,	16,	177, BEAM	,	2,	13,	219, BEAM	,	2,	7,
122,	111,	0,	0	157,	153,	0,	0	190,	187,	0,	0
136, BEAM	,	2,	54,	178, BEAM	,	2,	46,	220, BEAM	,	2,	47,
120,	117,	0,	0	152,	160,	0,	0	189,	191,	0,	0
137, BEAM	,	2,	43,	179, BEAM	,	2,	43,	221, BEAM	,	2,	48,
119,	121,	0,	0	154,	158,	0,	0	191,	195,	0,	0
138, BEAM	,	3,	53,	180, BEAM	,	3,	53,	222, BEAM	,	2,	50,
107,	127,	0,	0	148,	162,	0,	0	188,	197,	0,	0
139, BEAM	,	3,	53,	181, BEAM	,	2,	9,	223, BEAM	,	2,	4,
109,	128,	0,	0	159,	156,	0,	0	196,	193,	0,	0
140, BEAM	,	2,	40,	182, BEAM	,	3,	53,	224, BEAM	,	2,	7,
118,	123,	0,	0	150,	165,	0,	0	199,	190,	0,	0
141, BEAM	,	2,	13,	183, BEAM	,	3,	53,	225, BEAM	,	3,	53,
125,	120,	0,	0	152,	164,	0,	0	192,	200,	0,	0
142, BEAM	,	2,	43,	184, BEAM	,	3,	53,	226, BEAM	,	2,	3,
121,	126,	0,	0	155,	170,	0,	0	198,	196,	0,	0
143, BEAM	,	3,	53,	185, BEAM	,	2,	8,	227, BEAM	,	3,	53,
116,	131,	0,	0	161,	159,	0,	0	193,	202,	0,	0
144, BEAM	,	2,	40,	186, BEAM	,	2,	13,	228, BEAM	,	3,	53,
123,	128,	0,	0	167,	157,	0,	0	194,	203,	0,	0
145, BEAM	,	2,	16,	187, BEAM	,	2,	44,	229, BEAM	,	2,	49,
131,	122,	0,	0	158,	165,	0,	0	195,	203,	0,	0
146, BEAM	,	3,	53,	188, BEAM	,	2,	47,	230, BEAM	,	2,	6,
121,	133,	0,	0	160,	163,	0,	0	200,	199,	0,	0
147, BEAM	,	2,	40,	189, BEAM	,	2,	7,	231, BEAM	,	2,	6,

201.	200.	0.	0		244.	234.	0.	0		:	iMAT, TYPE, MNAME, SPHEAT,	
232.	BEAM	,	2.	2.	276.	BEAM	,	2.	51.	HEATCO, PLAST, TUNIT, bMASS,		
205.	198.	0.	0		239.	243.	0.	0		DAMP, RATIO. [DATA1]		
233.	BEAM	,	3.	53.	277.	BEAM	,	2.	1.	STEEL, CONC, USER		
197.	206.	0.	0		246.	238.	0.	0		:	iMAT, TYPE, MNAME, SPHEAT,	
234.	BEAM	,	2.	5.	278.	BEAM	,	3.	53.	HEATCO, PLAST, TUNIT, bMASS,		
204.	201.	0.	0		240.	246.	0.	0		DAMP, RATIO, [DATA2], [DATA2]		
235.	BEAM	,	2.	50.	279.	BEAM	,	2.	1.	SRC		
197.	208.	0.	0		245.	244.	0.	0		:	[DATA1] : 1, DB, NAME, CODE,	
236.	BEAM	,	2.	49.	280.	BEAM	,	3.	53.	USEELAST, ELAST		
203.	207.	0.	0		241.	247.	0.	0		:	[DATA1] : 2, ELAST, POISN,	
237.	BEAM	,	3.	53.	281.	BEAM	,	2.	52.	THERMAL, DEN, MASS		
202.	209.	0.	0		243.	247.	0.	0		:	[DATA1] : 3, Ex, Ey, Ez, Tx, Ty,	
238.	BEAM	,	2.	4.	282.	BEAM	,	3.	53.	Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz,		
209.	204.	0.	0		242.	248.	0.	0		DEN, MASS ; Orthotropic		
239.	BEAM	,	3.	53.	283.	BEAM	,	2.	52.	:	[DATA2] : 1, DB, NAME, CODE,	
205.	211.	0.	0		242.	249.	0.	0		USEELAST, ELAST or 2, ELAST,		
240.	BEAM	,	3.	53.	284.	BEAM	,	3.	53.	POISN, THERMAL, DEN, MASS		
206.	213.	0.	0		244.	250.	0.	0		1. CONC C27		
241.	BEAM	,	2.	1.	285.	BEAM	,	2.	52.	, 0, 0, , C, NO, 0.05, 1, KS01(RC)		
215.	205.	0.	0		249.	251.	0.	0		C27		
242.	BEAM	,	2.	50.	286.	BEAM	,	2.	52.	NO, 2.4645e+007		
207.	213.	0.	0		247.	252.	0.	0		2. STEEL, SM490		
243.	BEAM	,	2.	4.	287.	BEAM	,	3.	53.	, 0, 0, , C, NO, 0.02, 1,		
210.	209.	0.	0		248.	252.	0.	0		KS-Civil(S), SM490		
244.	BEAM	,	2.	50.	288.	BEAM	,	2.	1.	, NO, 2.0594e+008		
208.	212.	0.	0		254.	246.	0.	0		3. STEEL, SM400		
245.	BEAM	,	2.	3.	289.	BEAM	,	3.	53.	, 0, 0, , C, NO, 0.02, 1,		
214.	210.	0.	0		249.	253.	0.	0		KS-Civil(S), SM400		
246.	BEAM	,	3.	53.	290.	BEAM	,	3.	53.	, NO, 2.0594e+008		
208.	216.	0.	0		250.	254.	0.	0		*MATL-COLOR		
247.	BEAM	,	3.	53.	291.	BEAM	,	2.	1.	:	iMAT, W_R, W_G, W_B, HF_R,	
211.	217.	0.	0		255.	254.	0.	0		HF_G, HF_B, HE_R, HE_G, HE_B,		
248.	BEAM	,	2.	50.	292.	BEAM	,	2.	52.	bBLEND, FACT		
212.	218.	0.	0		252.	256.	0.	0		1, 255, 0, 0, 0, 255,		
249.	BEAM	,	2.	2.	293.	BEAM	,	3.	53.	0, 0, 0, 255, NO, 0.5		
217.	214.	0.	0		253.	256.	0.	0		2, 255, 0, 0, 0, 255,		
250.	BEAM	,	3.	53.	294.	BEAM	,	2.	52.	0, 0, 0, 255, NO, 0.5		
215.	220.	0.	0		256.	257.	0.	0		3, 255, 0, 0, 0, 255,		
251.	BEAM	,	2.	50.	295.	BEAM	,	2.	50.	0, 0, 0, 255, NO, 0.5		
213.	223.	0.	0		237.	258.	0.	0		*SECTION ; Section		
252.	BEAM	,	2.	1.	296.	BEAM	,	2.	50.	:	iSEC, TYPE, SNAME, [OFFSET],	
224.	215.	0.	0		258.	239.	0.	0		bSD, bWE, SHAPE, [DATA1],		
253.	BEAM	,	2.	50.	297.	BEAM	,	2.	50.	[DATA2] ; 1st		
218.	221.	0.	0		222.	259.	0.	0		line - DB/USER		
254.	BEAM	,	3.	53.	298.	BEAM	,	2.	50.	:	iSEC, TYPE, SNAME, [OFFSET],	
216.	223.	0.	0		259.	227.	0.	0		bSD, bWE, SHAPE, BLT, D1, ...,		
255.	BEAM	,	2.	50.	*GROUP ; Group						D8, iCEL ; 1st line -	
221.	222.	0.	0		; NAME, NODE_LIST, ELEM_LIST,						VALUE	
256.	BEAM	,	2.	1.	PLANE_TYPE						:	
228.	217.	0.	0		S4 , 30to138by36 36 38						AREA, ASy, ASz, lxx, lyy,	
258.	BEAM	,	3.	53.	39 41 42to165by41 47 53 58 71						I z z	
220.	228.	0.	0		73 79 85 \						; 2nd line	
259.	BEAM	,	2.	50.	89to158by23 91to93						; CyP, CyM, CzP, CzM, QyB,	
223.	226.	0.	0		95to98 101 104to106 108to110						QzB, PERI_OUT, PERI_IN, Cy, Cz	
260.	BEAM	,	3.	53.	113to143by10 115 118 119 \						; 3rd line	
222.	230.	0.	0		121 126 128to130 132 137						; Y1, Y2, Y3, Y4, Z1, Z2,	
261.	BEAM	,	3.	53.	142 146 150to152 154 164 168						Z3, Z4, Zyy, Zzz	
224.	232.	0.	0		171 177, 38to44by2 \						; 4th line	
262.	BEAM	,	2.	51.	45 48 53to119by22						:	iSEC, TYPE, SNAME, [OFFSET],
227.	231.	0.	0		58to182by31 62 82 84						bSD, bWE, SHAPE, ELAST, DEN,	
263.	BEAM	,	2.	50.	87to198by37 99 100 104 \						POIS, POIC, SF, THERMAL ; 1st	
226.	233.	0.	0		106to187by27 108to111						line - SRC	
264.	BEAM	,	2.	1.	113to116 123to147by8 126to128						; D1, D2, [SRC]	
234.	224.	0.	0		134 137 140to146by2 \						; 2nd line	
265.	BEAM	,	3.	53.	148 150 153 154 158						:	iSEC, TYPE, SNAME, [OFFSET],
230.	237.	0.	0		164to167 173 175 179 183 191						bSD, bWE, SHAPE, 1, DB,	
266.	BEAM	,	2.	52.	193 202, 0						NAME1, NAME2, D1, D2 ;	
231.	236.	0.	0		S5 , 152to203by17 160						1st line - COMBINED	
267.	BEAM	,	2.	1.	163 164 173 177to195by6 179						:	iSEC, TYPE, SNAME, [OFFSET],
238.	228.	0.	0		188to197by3 \						bSD, bWE, SHAPE, 2, D11, D12,	
268.	BEAM	,	2.	50.	206to208 212 213 216 218						D13, D14, D15, D21, D22, D23,	
233.	235.	0.	0		219 221to223 225to227 229to231						D24	
269.	BEAM	,	3.	53.	233 235to237 239 \						:	iSEC, TYPE, SNAME,
232.	238.	0.	0		241to243 247to249						[OFFSET2], bSD, bWE, SHAPE,	
270.	BEAM	,	2.	50.	251to253 256 257, 178to208by10						iyVAR, izVAR, STYPE	
235.	237.	0.	0		183 190 194 201 204 212 \						; 1st line - TAPERED	
272.	BEAM	,	3.	53.	214 216 217 220to222 228						; DB, NAME1, NAME2	
234.	240.	0.	0		229 233 235 236 240to248by2 251							
273.	BEAM	,	3.	53.	253to255 \						; 2nd	
236.	241.	0.	0		259to268by3 260 263 266						line(STYPE=DB)	
274.	BEAM	,	2.	52.	270 273 274 276 280to283						; [DIM1], [DIM2]	
236.	242.	0.	0		285to287 289 292to294, 0							
275.	BEAM	,	2.	1.	*MATERIAL ; Material						; 2nd	

line(STYPE=USER)	: SW_j, Hw_j, tw_j, B_j,	: 1st line -
: D11, D12, D13, D14, D15,	Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j	COMPOSITE-CI/CT
D16, D17, D18	: 4th	: OPT1, OPT2, [JOINT]
: 2nd	line(STYPE=CMP-B/I)	: 2nd line
line(STYPE=VALUE)	: N1, N2, Hr, Hr2, tr1, tr2	: [SIZE-A]
: AREA1, ASy1, ASz1, lxx1,	: 5th line(STYPE=CMP-B)	: 3rd line
lyy1, lzz1	: GN, CTC, Bc, Tc, Hh,	: [SIZE-B]
: 3rd	EgdEsb, DgdDsb, Pgd, Psb,	
line(STYPE=VALUE)	bSYM, SW_i, SW_j : 2nd	
: CyP1, CyM1, CzP1, CzM1,	line(STYPE=CMP-CI/CT)	: 4th line
QyB1, QzB1, PERI_OUT1,	: OPT1, OPT2, [JOINT]	: [SIZE-C]
PERI_IN1, Cy1, Cz1		
: 4th line(STYPE=VALUE)	: 3rd	: 5th line
: Y11, Y12, Y13, Y14, Z11,	line(STYPE=CMP-CI/CT)	: [SIZE-D]
Z12, Z13, Z14, Zyy1, Zyy2	: [SIZE-A]-i	
: 5th		
line(STYPE=VALUE)	: 4th	: 6th line
: D21, D22, D23, D24, D25,	line(STYPE=CMP-CI/CT)	: SW, GN, CTC, Bc, Tc, Hh,
D26, D27, D28	: [SIZE-B]-i	EgdEsb, DgdDsb, Pgd, Psb
: 6th		: 7th line
line(STYPE=VALUE)	: 5th	: iSEC, TYPE, SNAME, [OFFSET],
: AREA2, ASy2, ASz2, lxx2,	line(STYPE=CMP-CI/CT)	bSD, bWE, SHAPE
lyy2, lzz2	: [SIZE-C]-i	: 1st line - PSC
: 7th		: OPT1, OPT2, [JOINT]
line(STYPE=VALUE)	: 6th	: 2nd line
: CyP2, CyM2, CzP2, CzM2,	line(STYPE=CMP-CI/CT)	: bSHEARCHK, [SCHK],
QyB2, QzB2, PERI_OUT2,	: [SIZE-D]-i	[WT], WIDTH, bSYM, bSIDEHOLE
PERI_IN2, Cy2, Cz2		: 3rd line
: 8th line(STYPE=VALUE)	: 7th	: bUSERDEFMESH SIZE,
: Y21, Y22, Y23, Y24, Z21,	line(STYPE=CMP-CI/CT)	MESH SIZE, bUSERINPSTIFF,
Z22, Z23, Z24, Zyy2, Zzz2	: [SIZE-A]-j	[STIFF] : 4th
: 9th		line
line(STYPE=VALUE)	: 8th	: bWE, [WARPING POINT]-i,
: OPT1, OPT2, [JOINT]	line(STYPE=CMP-CI/CT)	[WARPING POINT]-j
	: [SIZE-B]-j	: 5th line
: 2nd line(STYPE=PSC)		: [SIZE-A]
: ELAST, DEN, POIS, POIC,	: 9th	
T H E R M A L	line(STYPE=CMP-CI/CT)	: 6th line
: 2nd	: [SIZE-C]-j	: [SIZE-B]
line(STYPE=PSC-CMPW)	: 10th	: 7th line
: bSHEARCHK, [SCHK-I],	line(STYPE=CMP-CI/CT)	: [SIZE-C]
[SCHK-J], [WT-I], [WT-J], WI, WJ,	: [SIZE-D]-j	
bSYM, bSIDEHOLE : 3rd		
line(STYPE=PSC)	: 11th	: 8th line
: bSHEARCHK, bSYM,	line(STYPE=CMP-CI/CT)	: [SIZE-D]
bHUNCH, [CMPWEB-I],	: iSEC, TYPE, SNAME, [OFFSET],	: 9th line
[C M P W E B - J]	bSD, bWE, STYPE1, STYPE2	: [DATA1] : 1, DB, NAME or 2,
: 3rd line(STYPE=PSC-CMPW)	: 1st line -	D1, D2, D3, D4, D5, D6, D7, D8,
: bUSERDEFMESH SIZE,	CONSTRUCT	D9, D10
MESH SIZE, bUSERINPSTIFF,	: SHAPE, ...(same with	: [DATA2] : CCSHAPE or iCEL or
[STIFF-I], [STIFF-J] : 4th	other type data from shape)	iN1, iN2
line(STYPE=PSC)	: Before	: [SRC] : 1, DB, NAME1, NAME2
: [SIZE-A]-i	(STYPE1)	or 2, D1, D2, D3, D4, D5, D6,
: 5th line(STYPE=PSC)	: SHAPE, ...(same with	D7, D8, D9, D10, iN1, iN2
: [SIZE-B]-i	other type data from shape)	: [DIM1], [DIM2] : D1, D2, D3, D4,
: 6th line(STYPE=PSC)	: After	D5, D6, D7, D8
: [SIZE-C]-i	(STYPE2)	: [OFFSET] : OFFSET, iCENT,
: 7th line(STYPE=PSC)	: iSEC, TYPE, SNAME, [OFFSET],	iREF, iHORZ, HUSER, iVERT,
: [SIZE-D]-i	bSD, bWE, SHAPE	VUSER
: 8th line(STYPE=PSC)	: 1st line -	: [OFFSET2]: OFFSET, iCENT,
: [SIZE-A]-j	COMPOSITE-SB	iREF, iHORZ, HUSERI, HUSERJ,
: 9th line(STYPE=PSC)	: Hw, tw, B, Bf1, tf1, B2,	iVERT, VUSERI, VUSERJ
: [SIZE-B]-j	Bf2, tf2	: [JOINT] : 8(1CELL, 2CELL),
: 10th line(STYPE=PSC)	: 2nd line	13(3CELL), 9(PSCM), 8(PSCH),
: [SIZE-C]-j	: N1, N2, Hr, Hr2, tr1, tr2	9(PSCT), 2(PSCB), 0(nCELL),
: 11th line(STYPE=PSC)	: 3rd line	2(nCEL2)
: [SIZE-D]-j	: SW, GN, CTC, Bc, Tc, Hh,	: [SIZE-A] : 6(1CELL, 2CELL),
: 12th line(STYPE=PSC)	EsEc, DsDc, Ps, Pc, bMulti,	10(3CELL), 10(PSCM), 6(PSCH),
: GN, CTC, Bc, Tc, Hh,	Elong, Esh : 4th line	8(PSCT), 10(PSCB), 5(nCELL),
EsEc, DsDc, Ps, Pc, bMULTI,	: iSEC, TYPE, SNAME, [OFFSET],	11(nCEL2)
EsEc-L, EsEc-S : 2nd	bSD, bWE, SHAPE	: [SIZE-B] : 6(1CELL, 2CELL),
line(STYPE=CMP-B/I)	: 1st line -	12(3CELL), 6(PSCM), 6(PSCH),
: SW_i, Hw_i, tw_i, B_i,	COMPOSITE-SI	8(PSCT), 6(PSCB), 8(nCELL),
Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i	: Hw, tw, B, tf1, B2, tf2	18(nCEL2)
: 3rd	: 2nd line	: [SIZE-C] : 10(1CELL, 2CELL),
line(STYPE=CMP-B/I)	: SW, GN, CTC, Bc, Tc, Hh,	13(3CELL), 9(PSCM), 10(PSCH),
	EsEc, DsDc, Ps, Pc, bMulti,	7(PSCT), 8(PSCB), 0(nCELL),
	Elong, Esh : 3rd line	11(nCEL2)
	: iSEC, TYPE, SNAME, [OFFSET],	: [SIZE-D] : 8(1CELL, 2CELL),
	bSD, bWE, SHAPE	13(3CELL), 6(PSCM), 7(PSCH),
		8(PSCT), 5(PSCB), 0(nCELL),
		18(nCEL2)

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
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0, 0, 0, 255, NO, 0.5
13, 255, 0, 0, 0, 255,
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53, 255, 0, 0, 0, 255,
0, 0, 0, 255, NO, 0.5
54, 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, 0, 0, 0, 0,
2, NO, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
3, NO, 0, 0, 0, 0, 0, 0, 0, 0,
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4, NO, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
5, NO, 0, 0, 0, 0, 0, 0, 0, 0,
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6, NO, 0, 0, 0, 0, 0, 0, 0, 0,
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7, NO, 0, 0, 0, 0, 0, 0, 0, 0,
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8, NO, 0, 0, 0, 0, 0, 0, 0, 0,
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14, NO, 0, 0, 0, 0, 0, 0, 0, 0,
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0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
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32, NO, 0, 0, 0, 0, 0, 0, 0, 0,
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0, 0, 0, 0, 0, 0, 0, 0,
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46, NO, 0, 0, 0, 0, 0, 0, 0,
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47, NO, 0, 0, 0, 0, 0, 0, 0,
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48, NO, 0, 0, 0, 0, 0, 0, 0,
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49, NO, 0, 0, 0, 0, 0, 0, 0,
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50, NO, 0, 0, 0, 0, 0, 0, 0,
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51, NO, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0,
52, NO, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0,
54, NO, 0, 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, lxx, lyy,
I z z
; 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)	; N1, N2, Hr, Hr2, tr1, tr2	; 2nd line	[SIZE-A]
; AREA1, ASy1, ASz1, lxx1,			
lyy1, lzz1	; 5th line(STYPE=CMP-B)		
; 3rd	; GN, CTC, Bc, Tc, Hh,	; 3rd line	[SIZE-B]
line(STYPE=VALUE)	EgdEsb, DgdDsb, Pgd, Psb,		
; CyP1, CyM1, CzP1, CzM1,	bSYM, SW_i, SW_j	; 2nd	
QyB1, QzB1, PERI_OUT1,	line(STYPE=CMP-CI/CT)	; 4th line	[SIZE-C]
PERI_IN1, Cy1, Cz1	; OPT1, OPT2, [JOINT]		
4th line(STYPE=VALUE)		; 5th line	[SIZE-D]
; Y11, Y12, Y13, Y14, Z11,			
Z12, Z13, Z14, Zyy1, Zyy2	line(STYPE=CMP-CI/CT)		
; 5th	; [SIZE-A]-i		
line(STYPE=VALUE)		; 6th line	
; D21, D22, D23, D24, D25,		; SW, GN, CTC, Bc, Tc, Hh,	
D26, D27, D28	line(STYPE=CMP-CI/CT)	EgdEsb, DgdDsb, Pgd, Psb	
; 6th	; [SIZE-B]-i	; 7th line	
line(STYPE=VALUE)		; iSEC, TYPE, SNAME, [OFFSET],	
; AREA2, ASy2, ASz2, lxx2,		bSD, bWE, SHAPE	
lyy2, lzz2	line(STYPE=CMP-CI/CT)	; 1st line - PSC	
; 7th	; [SIZE-C]-i	; OPT1, OPT2, [JOINT]	
line(STYPE=VALUE)		; 2nd line	
; CyP2, CyM2, CzP2, CzM2,		; bSHEARCHK, [SCHK],	
QyB2, QzB2, PERI_OUT2,	line(STYPE=CMP-CI/CT)	[WT], WIDTH, bSYM, bSIDEHOLE	
PERI_IN2, Cy2, Cz2	; [SIZE-D]-i	; 3rd line	
8th line(STYPE=VALUE)		; bUSERDEFMESH SIZE,	
; Y21, Y22, Y23, Y24, Z21,		MESH SIZE, bUSERINPSTIFF,	
Z22, Z23, Z24, Zyy2, Zzz2	line(STYPE=CMP-CI/CT)	[STIFF]	; 4th
; 9th	; [SIZE-A]-j	line	
line(STYPE=VALUE)		; bWE, [WARPING POINT]-i,	
; OPT1, OPT2, [JOINT]		[WARPING POINT]-j	
	; 8th	; 5th line	[SIZE-A]
; 2nd line(STYPE=PSC)	line(STYPE=CMP-CI/CT)		
; ELAST, DEN, POIS, POIC,	; [SIZE-B]-j		
T H E R M A L		; 6th line	[SIZE-B]
; 2nd			
line(STYPE=PSC-CMPW)		; 7th line	[SIZE-C]
; bSHEARCHK, [SCHK-I],			
[SCHK-J], [WT-I], [WT-J], WI, WJ,		; 8th line	[SIZE-D]
bSYM, bSIDEHOLE	line(STYPE=CMP-CI/CT)		
; 3rd	; [SIZE-D]-j		
line(STYPE=PSC)			
; bSHEARCHK, bSYM,			
bHUNCH, [CMPWEB-I],			
[C M P W E B - J]			
; 3rd line(STYPE=PSC-CMPW)	line(STYPE=CMP-CI/CT)	; 9th line	
; bUSERDEFMESH SIZE,	; iSEC, TYPE, SNAME, [OFFSET],	; [DATA1] : 1, DB, NAME or 2,	
MESH SIZE, bUSERINPSTIFF,	bSD, bWE, STYPE1, STYPE2	D1, D2, D3, D4, D5, D6, D7, D8,	
[STIFF-I], [STIFF-J]	; 1st line -	D9, D10	
; 4th	CONSTRUCT	; [DATA2] : CCSHAPE or iCEL or	
line(STYPE=PSC)	; SHAPE, ...(same with	iN1, iN2	
; [SIZE-A]-i	other type data from shape)	; [SRC] : 1, DB, NAME1, NAME2	
	; Before	or 2, D1, D2, D3, D4, D5, D6,	
; 5th line(STYPE=PSC)	(STYPE1)	D7, D8, D9, D10, iN1, iN2	
; [SIZE-B]-i	; SHAPE, ...(same with	; [DIM1], [DIM2] : D1, D2, D3, D4,	
	other type data from shape)	D5, D6, D7, D8	
; 6th line(STYPE=PSC)	; After	; [OFFSET] : OFFSET, iCENT,	
; [SIZE-C]-i	(STYPE2)	iREF, iHORZ, HUSER, iVERT,	
	; iSEC, TYPE, SNAME, [OFFSET],	VUSER	
; 7th line(STYPE=PSC)	bSD, bWE, SHAPE	; [OFFSET2]: OFFSET, iCENT,	
; [SIZE-D]-i	; 1st line -	iREF, iHORZ, HUSERI, HUSERJ,	
	COMPOSITE-SB	iVERT, VUSERI, VUSERJ	
; 8th line(STYPE=PSC)	; Hw, tw, B, Bf1, tf1, B2,	; [JOINT] : 8(1CELL, 2CELL),	
; [SIZE-A]-j	Bf2, tf2	13(3CELL), 9(PSCM), 8(PSCH),	
	; 2nd line	9(PSCT), 2(PSCB), 0(nCELL),	
; 9th line(STYPE=PSC)	; N1, N2, Hr, Hr2, tr1, tr2	2(nCEL2)	
; [SIZE-B]-j		; [SIZE-A] : 6(1CELL, 2CELL),	
	; 3rd line	10(3CELL), 10(PSCM), 6(PSCH),	
; 10th line(STYPE=PSC)	; SW, GN, CTC, Bc, Tc, Hh,	8(PSCT), 10(PSCB), 5(nCELL),	
; [SIZE-C]-j	EsEc, DsDc, Ps, Pc, bMulti,	11(nCEL2)	
	Elong, Esh	; [SIZE-B] : 6(1CELL, 2CELL),	
; 11th line(STYPE=PSC)	; iSEC, TYPE, SNAME, [OFFSET],	12(3CELL), 6(PSCM), 6(PSCH),	
; [SIZE-D]-j	bSD, bWE, SHAPE	8(PSCT), 6(PSCB), 8(nCELL),	
	; 1st line -	18(nCEL2)	
; 12th line(STYPE=PSC)	COMPOSITE-SI	; [SIZE-C] : 10(1CELL, 2CELL),	
; GN, CTC, Bc, Tc, Hh,	; Hw, tw, B, tf1, B2, tf2	13(3CELL), 9(PSCM), 10(PSCH),	
EsEc, DsDc, Ps, Pc, bMULTI,		7(PSCT), 8(PSCB), 0(nCELL),	
EsEc-L, EsEc-S	; 2nd line	11(nCEL2)	
line(STYPE=CMP-B/I)	; SW, GN, CTC, Bc, Tc, Hh,	; [SIZE-D] : 8(1CELL, 2CELL),	
; SW_i, Hw_i, tw_i, B_i,	EsEc, DsDc, Ps, Pc, bMulti,	13(3CELL), 6(PSCM), 7(PSCH),	
Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i	Elong, Esh	8(PSCT), 5(PSCB), 0(nCELL),	
; 3rd	; iSEC, TYPE, SNAME, [OFFSET],	18(nCEL2)	
line(STYPE=CMP-B/I)	bSD, bWE, SHAPE	; [STIFF] : AREA, ASy, ASz, lxx,	
; SW_j, Hw_j, tw_j, B_j,	; 1st line -	lyy, lzz	
Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j	COMPOSITE-CI/CT	; [SCHK] : bAUTO_Z1, Z1,	
; 4th	; OPT1, OPT2, [JOINT]	bAUTO_Z3, Z3	
line(STYPE=CMP-B/I)		; [WT] : bAUTO_TOR, TOR,	

bAUTO_SHR1,	SHR1,	5,	COMPOSITE	5	NO, 0.3571, 0, NO, 0.3571, 0, NO
bAUTO_SHR2,	SHR2,	CC, 0, 0, 0, 0, 0, 0, YES,			2, 0.8333, 0, NO, 0.8333,
bAUTO_SHR3, SHR3		NO, B			0, NO
: [CMPWEB] : EFD, LRF, A, B, H,		2, 0.012, 2.5, 0.12, 0.018,			5.125, 1, 5.125, 5.125,
T		2.5, 0.12, 0.018			0.2, 0.1, 7.71859, 0, 0.3, 0.167,
: [WARPING POINT] :		1, 0, 0, 0, 6, 2			1.2, NO, ,
n W a r p i n g C h e c k ,		1, RIB, 0, 0.15, 0.014, 0, 0,			10, COMPOSITE
X 1 , X 2 , X 3 , X 4 , X 5 , X 6 ,		0, 0, 0, 0			CC, 0, 0, 0, 0, 0, 0, YES,
Y1,Y2,Y3,Y4,Y5,Y6		0			NO, B
1, COMPOSITE	1	0			2, 0.018, 2.5, 0.12, 0.034,
CC, 0, 0, 0, 0, 0, 0, YES,		6, 0.3571, 0, NO, 0.3571,			2.5, 0.12, 0.034
NO, B		0, NO, 0.3571, 0, NO, 0.3571, 0,			1, 0, 0, 0, 6, 2
2, 0.012, 2.5, 0.12, 0.012,		NO, 0.3571, 0, NO, 0.3571, 0, NO			1, RIB, 0, 0.15, 0.014, 0, 0,
2.5, 0.12, 0.012		2, 0.8333, 0, NO, 0.8333,			0, 0, 0, 0
1, 0, 0, 0, 2, 6		0, NO			0
1, RIB, 0, 0.15, 0.014, 0, 0,		5.125, 1, 5.125, 5.125,			0
0, 0, 0, 0		0.2, 0.1, 7.71859, 0, 0.3, 0.167,			6, 0.3571, 0, NO, 0.3571,
0		1.2, NO, ,			0, NO, 0.3571, 0, NO, 0.3571, 0,
0		6, COMPOSITE	6		NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333,		CC, 0, 0, 0, 0, 0, 0, YES,			2, 0.8333, 0, NO, 0.8333,
0, NO		NO, B			0, NO
6, 0.3571, 0, NO, 0.3571,		2, 0.012, 2.5, 0.12, 0.026,			5.125, 1, 5.125, 5.125,
0, NO, 0.3571, 0, NO, 0.3571, 0,		2.5, 0.12, 0.018			0.2, 0.1, 7.71859, 0, 0.3, 0.167,
NO, 0.3571, 0, NO, 0.3571, 0, NO		1, 0, 0, 0, 6, 2			1.2, NO, ,
5.125, 1, 5.125, 5.125,		1, RIB, 0, 0.15, 0.014, 0, 0,			11, COMPOSITE
0.2, 0.1, 7.71859, 0, 0.3, 0.167,		0, 0, 0, 0			CC, 0, 0, 0, 0, 0, 0, YES,
1.2, NO, ,		0			NO, B
2, COMPOSITE	2	0			2, 0.012, 2.5, 0.12, 0.034,
CC, 0, 0, 0, 0, 0, 0, YES,		6, 0.3571, 0, NO, 0.3571,			2.5, 0.12, 0.034
NO, B		0, NO, 0.3571, 0, NO, 0.3571, 0,			1, 0, 0, 0, 6, 2
2, 0.012, 2.5, 0.12, 0.012,		NO, 0.3571, 0, NO, 0.3571, 0, NO			1, RIB, 0, 0.15, 0.014, 0, 0,
2.5, 0.12, 0.012		2, 0.8333, 0, NO, 0.8333,			0, 0, 0, 0
1, 0, 0, 0, 6, 6		0, NO			0
1, RIB, 0, 0.15, 0.014, 0, 0,		5.125, 1, 5.125, 5.125,			0
0, 0, 0, 0		0.2, 0.1, 7.71859, 0, 0.3, 0.167,			6, 0.3571, 0, NO, 0.3571,
0		1.2, NO, ,			0, NO, 0.3571, 0, NO, 0.3571, 0,
0		7, COMPOSITE	7		NO, 0.3571, 0, NO, 0.3571, 0, NO
6, 0.3571, 0, NO, 0.3571,		CC, 0, 0, 0, 0, 0, 0, YES,			2, 0.8333, 0, NO, 0.8333,
0, NO, 0.3571, 0, NO, 0.3571, 0,		NO, B			0, NO
NO, 0.3571, 0, NO, 0.3571, 0, NO		2, 0.012, 2.5, 0.12, 0.026,			5.125, 1, 5.125, 5.125,
6, 0.3571, 0, NO, 0.3571,		2.5, 0.12, 0.026			0.2, 0.1, 7.71859, 0, 0.3, 0.167,
0, NO, 0.3571, 0, NO, 0.3571, 0,		1, 0, 0, 0, 6, 2			1.2, NO, ,
NO, 0.3571, 0, NO, 0.3571, 0, NO		1, RIB, 0, 0.15, 0.014, 0, 0,			12, COMPOSITE
5.125, 1, 5.125, 5.125,		0, 0, 0, 0			CC, 0, 0, 0, 0, 0, 0, YES,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,		0			NO, B
1.2, NO, ,		0			2, 0.012, 2.5, 0.12, 0.034,
3, COMPOSITE	3	6, 0.3571, 0, NO, 0.3571,			2.5, 0.12, 0.026
CC, 0, 0, 0, 0, 0, 0, YES,		0, NO, 0.3571, 0, NO, 0.3571, 0,			1, 0, 0, 0, 6, 2
NO, B		NO, 0.3571, 0, NO, 0.3571, 0, NO			1, RIB, 0, 0.15, 0.014, 0, 0,
2, 0.012, 2.5, 0.12, 0.018,		2, 0.8333, 0, NO, 0.8333,			0, 0, 0, 0
2.5, 0.12, 0.012		0, NO			0
1, 0, 0, 0, 6, 6		5.125, 1, 5.125, 5.125,			0
1, RIB, 0, 0.15, 0.014, 0, 0,		0.2, 0.1, 7.71859, 0, 0.3, 0.167,			6, 0.3571, 0, NO, 0.3571,
0, 0, 0, 0		1.2, NO, ,			0, NO, 0.3571, 0, NO, 0.3571, 0,
0		8, COMPOSITE	8		NO, 0.3571, 0, NO, 0.3571, 0, NO
0		CC, 0, 0, 0, 0, 0, 0, YES,			2, 0.8333, 0, NO, 0.8333,
6, 0.3571, 0, NO, 0.3571,		NO, B			0, NO
0, NO, 0.3571, 0, NO, 0.3571, 0,		2, 0.012, 2.5, 0.12, 0.034,			5.125, 1, 5.125, 5.125,
NO, 0.3571, 0, NO, 0.3571, 0, NO		2.5, 0.12, 0.026			0.2, 0.1, 7.71859, 0, 0.3, 0.167,
6, 0.3571, 0, NO, 0.3571,		1, 0, 0, 0, 6, 2			1.2, NO, ,
0, NO, 0.3571, 0, NO, 0.3571, 0,		1, RIB, 0, 0.15, 0.014, 0, 0,			13, COMPOSITE
NO, 0.3571, 0, NO, 0.3571, 0, NO		0, 0, 0, 0			CC, 0, 0, 0, 0, 0, 0, YES,
5.125, 1, 5.125, 5.125,		0			NO, B
0.2, 0.1, 7.71859, 0, 0.3, 0.167,		0			2, 0.012, 2.5, 0.12, 0.026,
1.2, NO, ,		6, 0.3571, 0, NO, 0.3571,			2.5, 0.12, 0.026
4, COMPOSITE	4	0, NO, 0.3571, 0, NO, 0.3571, 0,			1, 0, 0, 0, 6, 2
CC, 0, 0, 0, 0, 0, 0, YES,		NO, 0.3571, 0, NO, 0.3571, 0, NO			1, RIB, 0, 0.15, 0.014, 0, 0,
NO, B		2, 0.8333, 0, NO, 0.8333,			0, 0, 0, 0
2, 0.012, 2.5, 0.12, 0.018,		0, NO			0
2.5, 0.12, 0.018		5.125, 1, 5.125, 5.125,			0
1, 0, 0, 0, 6, 6		0.2, 0.1, 7.71859, 0, 0.3, 0.167,			6, 0.3571, 0, NO, 0.3571,
1, RIB, 0, 0.15, 0.014, 0, 0,		1.2, NO, ,			0, NO, 0.3571, 0, NO, 0.3571, 0,
0, 0, 0, 0		9, COMPOSITE	9		NO, 0.3571, 0, NO, 0.3571, 0, NO
0		CC, 0, 0, 0, 0, 0, 0, YES,			2, 0.8333, 0, NO, 0.8333,
0		NO, B			0, NO
6, 0.3571, 0, NO, 0.3571,		2, 0.012, 2.5, 0.12, 0.034,			5.125, 1, 5.125, 5.125,
0, NO, 0.3571, 0, NO, 0.3571, 0,		2.5, 0.12, 0.034			0.2, 0.1, 7.71859, 0, 0.3, 0.167,
NO, 0.3571, 0, NO, 0.3571, 0, NO		1, 0, 0, 0, 6, 2			1.2, NO, ,
6, 0.3571, 0, NO, 0.3571,		1, RIB, 0, 0.15, 0.014, 0, 0,			14, COMPOSITE
0, NO, 0.3571, 0, NO, 0.3571, 0,		0, 0, 0, 0			CC, 0, 0, 0, 0, 0, 0, YES,
NO, 0.3571, 0, NO, 0.3571, 0, NO		0			NO, B
5.125, 1, 5.125, 5.125,		0			2, 0.012, 2.5, 0.12, 0.018,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,		6, 0.3571, 0, NO, 0.3571,			2.5, 0.12, 0.026
1.2, NO, ,		0, NO, 0.3571, 0, NO, 0.3571, 0,			1, 0, 0, 0, 6, 6


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NO, 0.3571, 0, NO, 0.3571, 0, NO
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
42, COMPOSITE 42
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.012,
2.5, 0.12, 0.016
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
43, COMPOSITE 43
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.014,
2.5, 0.12, 0.016
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
44, COMPOSITE 44
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.014,
2.5, 0.12, 0.016
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333,
0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
45, COMPOSITE 45
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.022,
2.5, 0.12, 0.016
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333,
0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
46, COMPOSITE 46
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B

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2, 0.012, 2.5, 0.12, 0.022,
2.5, 0.12, 0.024
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333,
0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
47, COMPOSITE 47
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.022,
2.5, 0.12, 0.016
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333,
0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
48, COMPOSITE 48
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.014,
2.5, 0.12, 0.016
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333,
0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
49, COMPOSITE 49
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.014,
2.5, 0.12, 0.016
1, 0, 0, 0, 6, 6
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333,
0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
50, COMPOSITE 50
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.014,
2.5, 0.12, 0.016
1, 0, 0, 0, 2, 6
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
2, 0.8333, 0, NO, 0.8333,
0, NO
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,

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NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
51, COMPOSITE 51
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.012,
2.5, 0.12, 0.016
1, 0, 0, 0, 2, 6
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
2, 0.8333, 0, NO, 0.8333,
0, NO
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
52, COMPOSITE 52
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.012,
2.5, 0.12, 0.012
1, 0, 0, 0, 2, 6
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
2, 0.8333, 0, NO, 0.8333,
0, NO
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
53, DBUSER 가로보
CT, 0, 0, 0, 0, 0, 0, 0, YES,
NO, H 2, 1.2, 0.3, 0.012, 0.012,
0.3, 0.012, 0, 0, 0
54, COMPOSITE 53
CC, 0, 0, 0, 0, 0, 0, 0, YES,
NO, B
2, 0.012, 2.5, 0.12, 0.018,
2.5, 0.12, 0.026
1, 0, 0, 0, 6, 2
1, RIB, 0, 0.15, 0.014, 0, 0,
0, 0, 0, 0
0
0
6, 0.3571, 0, NO, 0.3571,
0, NO, 0.3571, 0, NO, 0.3571, 0,
NO, 0.3571, 0, NO, 0.3571, 0, NO
2, 0.8333, 0, NO, 0.8333,
0, NO
5.125, 1, 5.125, 5.125,
0.2, 0.1, 7.71859, 0, 0.3, 0.167,
1.2, NO, ,
*STLDCASE : Static Load
Cases
: LCNAME, LCTYPE, DESC
LC1 , USER,
LC2 , USER,
LC3 , USER,
LC4 , USER,
LC5 , USER,
LC6 , USER,
*CONSTRAINT : Supports
: NODE_LIST,
CONST(Dx,Dy,Dz,Rx,Ry,Rz),
GROUP
85, 111000,
30, 101000,
63 175 177 254 256, 011000,
13 148 152 244 249, 001000,
*OFFSET : Beam End Offsets
: ELEM_LIST, TYPE, RGDxi,
RGDYi, RGDZi, RGDxj, RGDYj,
RGDZj, GROUP : TYPE=GLOBAL
: ELEM_LIST, TYPE, RGDj, RGDj,

```

G R O U : TYPE=ELEMENT 20, ELEMENT, 1.25, 0, 21, ELEMENT, 1.25, 0, 22, ELEMENT, 1.25, 0, 24, ELEMENT, 1.25, 0, 25, ELEMENT, 1.25, 0, 28, ELEMENT, 1.25, 0, 30, ELEMENT, 1.25, 0, 34, ELEMENT, 1.25, 0, 36, ELEMENT, 1.25, 0, 39, ELEMENT, 1.25, 0, 41, ELEMENT, 1.25, 0, 46, ELEMENT, 0, 1.25, 47, ELEMENT, 0, 1.25, 48, ELEMENT, 1.25, 0, 49, ELEMENT, 0, 1.25, 50, ELEMENT, 0, 1.25, 51, ELEMENT, 0, 1.25, 52, ELEMENT, 1.25, 0, 54, ELEMENT, 0, 1.25, 55, ELEMENT, 0, 1.25, 57, ELEMENT, 0, 1.25, 58, ELEMENT, 1.25, 0, 64, ELEMENT, 0, 1.25, 72, ELEMENT, 1.25, 0, 76, ELEMENT, 0, 1.25, 80, ELEMENT, 0, 1.25, 84, ELEMENT, 1.25, 0, 87, ELEMENT, 0, 1.25, 90, ELEMENT, 1.25, 0, 92, ELEMENT, 0, 1.25, 99, ELEMENT, 0, 1.25, 100, ELEMENT, 1.25, 0, 105, ELEMENT, 0, 1.25, 107, ELEMENT, 1.25, 0, 111, ELEMENT, 0, 1.25, 116, ELEMENT, 1.25, 0, 118, ELEMENT, 0, 1.25, 121, ELEMENT, 1.25, 0, 124, ELEMENT, 0, 1.25, 130, ELEMENT, 0, 1.25, 131, ELEMENT, 1.25, 0, 138, ELEMENT, 1.25, 0, 139, ELEMENT, 0, 1.25, 143, ELEMENT, 0, 1.25, 146, ELEMENT, 1.25, 0, 151, ELEMENT, 0, 1.25, 152, ELEMENT, 1.25, 0, 155, ELEMENT, 0, 1.25, 164, ELEMENT, 1.25, 0, 166, ELEMENT, 0, 1.25, 169, ELEMENT, 1.25, 0, 172, ELEMENT, 0, 1.25, 180, ELEMENT, 1.25, 0, 182, ELEMENT, 0, 1.25, 183, ELEMENT, 1.25, 0, 184, ELEMENT, 0, 1.25, 196, ELEMENT, 0, 1.25, 198, ELEMENT, 0, 1.25, 200, ELEMENT, 1.25, 0, 201, ELEMENT, 1.25, 0, 211, ELEMENT, 0, 1.25, 212, ELEMENT, 0, 1.25, 213, ELEMENT, 1.25, 0, 217, ELEMENT, 1.25, 0, 225, ELEMENT, 0, 1.25, 227, ELEMENT, 1.25, 0, 228, ELEMENT, 0, 1.25, 233, ELEMENT, 1.25, 0, 237, ELEMENT, 0, 1.25, 239, ELEMENT, 1.25, 0, 240, ELEMENT, 0, 1.25, 246, ELEMENT, 1.25, 0, 247, ELEMENT, 0, 1.25, 250, ELEMENT, 1.25, 0, 254, ELEMENT, 0, 1.25, 258, ELEMENT, 0, 1.25, 260, ELEMENT, 1.25, 0, 261, ELEMENT, 1.25, 0, 265, ELEMENT, 0, 1.25, 269, ELEMENT, 0, 1.25, 272, ELEMENT, 1.25, 0, 273, ELEMENT, 1.25, 0,	P 278, ELEMENT, 0, 1.25, 280, ELEMENT, 0, 1.25, 282, ELEMENT, 1.25, 0, 284, ELEMENT, 1.25, 0, 287, ELEMENT, 0, 1.25, 289, ELEMENT, 1.25, 0, 290, ELEMENT, 0, 1.25, 293, ELEMENT, 0, 1.25, *USE-STLD, LC1 *CONLOAD ; Nodal Loads ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP 129, 0, 0, -101.1, 0, 0, 0, 130, 0, 0, -101.1, 0, 0, 0, 137, 0, 0, -71.6, 0, 0, 0, ; End of data for load case [LC1] ----- *USE-STLD, LC2 *CONLOAD ; Nodal Loads ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP 89, 0, 0, -50.55, 0, 0, 0, 92, 0, 0, -50.55, 0, 0, 0, 102, 0, 0, -35.8, 0, 0, 0, 129, 0, 0, -50.55, 0, 0, 0, 130, 0, 0, -50.55, 0, 0, 0, 137, 0, 0, -35.8, 0, 0, 0, ; End of data for load case [LC2] ----- *USE-STLD, LC3 *CONLOAD ; Nodal Loads ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP 89, 0, 0, -101.1, 0, 0, 0, 92, 0, 0, -101.1, 0, 0, 0, 102, 0, 0, -71.6, 0, 0, 0, ; End of data for load case [LC3] ----- *USE-STLD, LC4 *CONLOAD ; Nodal Loads ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP 233, 0, 0, -101.1, 0, 0, 0, 235, 0, 0, -101.1, 0, 0, 0, 258, 0, 0, -71.6, 0, 0, 0, ; End of data for load case [LC4] ----- *USE-STLD, LC5 *CONLOAD ; Nodal Loads ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP 218, 0, 0, -50.55, 0, 0, 0, 221, 0, 0, -50.55, 0, 0, 0, 233, 0, 0, -50.55, 0, 0, 0, 235, 0, 0, -50.55, 0, 0, 0, 258, 0, 0, -35.8, 0, 0, 0, 259, 0, 0, -35.8, 0, 0, 0, ; End of data for load case [LC5] ----- *USE-STLD, LC6 *CONLOAD ; Nodal Loads ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP 218, 0, 0, -101.1, 0, 0, 0, 221, 0, 0, -101.1, 0, 0, 0, 259, 0, 0, -71.6, 0, 0, 0, ; End of data for load case [LC6] ----- *MVLDCODE ; Moving Load Code ; CODE=CODE CODE=NONE *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, LC5, 0, 192, 192, 148, 87, 255, 146, 0, 255 ST, LC6, 160, 255, 255, 192, 192, 192, 93, 255, 87 ST, LC1, 192, 192, 0, 255, 0, 192, 0, 128, 192	ST, LC2, 255, 87, 87, 192, 0, 128, 160, 255, 255 ST, LC3, 128, 192, 0, 192, 72, 0, 192, 72, 0 ST, LC4, 192, 192, 192, 128, 192, 0, 0, 192, 192 *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, 30, 20, 1, 1e-010, NO, 0, 0, NO *DGN-MATL ; Modify Steel(Concrete) Material ; iMAT, TYPE, MNAME, [DATA1] ; STEEL ; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV, SHORT, LONG; CONC ; iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA] ; SRC ; iMAT, TYPE, MNAME, [DATA5] ; STEEL(None) & KSCE-ASD05 ; [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN, FU, FY1, FY2, FY3, FY4 ; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3 ; [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA ; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4 ; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3 ; [DATA4] : 1, DB, CODE, NAME or 2, FC ; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10 ; MIN1, MIN2, MIN3 ; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS 1, CONC, C27 , 1, KS01(RC), C27 , NO, 1, , , , 0, 0, 18900, NO, 0, 0, , 0, NO, 1, , , , 0, 0, 0 2, STEEL, SM490 , 1, KS-Civil(S), SM490, 1, KSCE-LSD15(RC), , 0, 0,NO,0.0000e+000, , 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,0.0000e+000, , 0, 0, 0, 0, 0,0, 0, 0, 0, 0, 0, 0, 0, 0,0.0000e+000, , 0, 0, 0, 0, 0,0, 0, 0, 0, 0, 0, 0, 0, 3, STEEL, SM400 , 1, KS-Civil(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, 0,0.0000e+000, , 0, 0, 0, 0, 0,0, 0, 0, 0, 0, 0, 0, 0, 0,0.0000e+000, , 0, 0, 0, 0, 0,0, 0, 0, 0, 0, 0, 0, 0, *ENDDATA
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