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: MIDAS/Civil Text(MCT) File.
: Date : 2018/2/2
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*VERSION
8.7.0

*UNIT : Unit System
: FORCE, LENGTH, HEAT, TEMPER
KN , M, J, C

*STRUCTYPE : Structure Type
: iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM,
bALIGNSLAB, bROTIGID
0, 1, 1, NO, NO, 9.806, 0, NO, NO, NO

*REBAR-MATL-CODE : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01-Civil(RC), SD400, KS01-Civil(RC), SD400

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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

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12, BEAM, , 1, 4, 12, 13, 0, 0
13, BEAM, , 1, 6, 13, 14, 0, 0
14, BEAM, , 1, 6, 14, 15, 0, 0

15, BEAM, , 1, 6, 15, 16, 0, 0
16, BEAM, , 1, 6, 16, 17, 0, 0
17, BEAM, , 1, 6, 17, 18, 0, 0
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19, BEAM, , 1, 6, 19, 20, 0, 0
20, BEAM, , 1, 6, 20, 86, 0, 0
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24, BEAM, , 1, 6, 24, 25, 0, 0
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28, BEAM, , 1, 4, 28, 29, 0, 0
29, BEAM, , 1, 5, 29, 30, 0, 0
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34, BEAM, , 1, 3, 34, 87, 0, 0
35, BEAM, , 1, 3, 35, 36, 0, 0
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37, BEAM, , 1, 1, 37, 38, 0, 0
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39, BEAM, , 1, 1, 39, 40, 0, 0
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47, BEAM, , 1, 3, 48, 88, 0, 0
48, BEAM, , 1, 3, 49, 50, 0, 0
49, BEAM, , 1, 3, 50, 51, 0, 0
50, BEAM, , 1, 4, 51, 52, 0, 0
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52, BEAM, , 1, 5, 53, 54, 0, 0
53, BEAM, , 1, 4, 54, 55, 0, 0
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59, BEAM, , 1, 6, 60, 61, 0, 0

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61. BEAM	,	1,	6,	62,	89,	0,	0		
62. BEAM	,	1,	6,	63,	64,	0,	0		
63. BEAM	,	1,	6,	64,	65,	0,	0		
64. BEAM	,	1,	6,	65,	66,	0,	0		
65. BEAM	,	1,	6,	66,	67,	0,	0		
66. BEAM	,	1,	6,	67,	68,	0,	0		
67. BEAM	,	1,	6,	68,	69,	0,	0		
68. BEAM	,	1,	6,	69,	70,	0,	0		
69. BEAM	,	1,	4,	70,	71,	0,	0		
70. BEAM	,	1,	5,	71,	72,	0,	0		
71. BEAM	,	1,	4,	72,	73,	0,	0		
72. BEAM	,	1,	4,	73,	74,	0,	0		
73. BEAM	,	1,	3,	74,	75,	0,	0		
74. BEAM	,	1,	3,	75,	76,	0,	0		
75. BEAM	,	1,	3,	76,	90,	0,	0		
76. BEAM	,	1,	3,	77,	78,	0,	0		
77. BEAM	,	1,	1,	78,	79,	0,	0		
78. BEAM	,	1,	1,	79,	80,	0,	0		
79. BEAM	,	1,	1,	80,	81,	0,	0		
80. BEAM	,	1,	1,	81,	82,	0,	0		
81. BEAM	,	1,	1,	83,	43,	0,	0		
82. BEAM	,	1,	1,	82,	84,	0,	0		
83. BEAM	,	1,	3,	85,	7,	0,	0		
84. BEAM	,	1,	6,	86,	21,	0,	0		
85. BEAM	,	1,	3,	87,	35,	0,	0		
86. BEAM	,	1,	3,	88,	49,	0,	0		
87. BEAM	,	1,	6,	89,	63,	0,	0		
88. BEAM	,	1,	3,	90,	77,	0,	0		
89. BEAM	,	2,	2,	91,	98,	0,	0		
90. BEAM	,	2,	2,	95,	102,	0,	0		
91. BEAM	,	2,	2,	92,	99,	0,	0		
92. BEAM	,	2,	2,	96,	103,	0,	0		
93. BEAM	,	2,	2,	93,	100,	0,	0		
94. BEAM	,	2,	2,	97,	104,	0,	0		
95. BEAM	,	2,	2,	94,	101,	0,	0		
105. PLATE	,	3,	1,	463,	108,	111,	465,	1,	0
106. PLATE	,	3,	1,	107,	110,	112,	113,	1,	0
107. PLATE	,	3,	1,	1,	107,	113,	2,	1,	0
108. PLATE	,	3,	1,	91,	1,	2,	114,	1,	0
109. PLATE	,	3,	1,	98,	91,	114,	115,	1,	0
110. PLATE	,	3,	1,	43,	98,	115,	44,	1,	0
111. PLATE	,	3,	1,	105,	43,	44,	116,	1,	0
112. PLATE	,	3,	1,	109,	105,	116,	117,	1,	0
113. PLATE	,	3,	1,	467,	109,	117,	469,	1,	0

114. PLATE	,	3,	1,	465,	111,	119,	471,	1,	0
115. PLATE	,	3,	1,	113,	112,	120,	121,	1,	0
116. PLATE	,	3,	1,	2,	113,	121,	3,	1,	0
117. PLATE	,	3,	1,	114,	2,	3,	122,	1,	0
118. PLATE	,	3,	1,	115,	114,	122,	123,	1,	0
119. PLATE	,	3,	1,	44,	115,	123,	45,	1,	0
120. PLATE	,	3,	1,	116,	44,	45,	124,	1,	0
121. PLATE	,	3,	1,	117,	116,	124,	125,	1,	0
122. PLATE	,	3,	1,	469,	117,	125,	473,	1,	0
123. PLATE	,	3,	1,	471,	119,	127,	475,	1,	0
124. PLATE	,	3,	1,	121,	120,	128,	129,	1,	0
125. PLATE	,	3,	1,	3,	121,	129,	4,	1,	0
126. PLATE	,	3,	1,	122,	3,	4,	130,	1,	0
127. PLATE	,	3,	1,	123,	122,	130,	131,	1,	0
128. PLATE	,	3,	1,	45,	123,	131,	46,	1,	0
129. PLATE	,	3,	1,	124,	45,	46,	132,	1,	0
130. PLATE	,	3,	1,	125,	124,	132,	133,	1,	0
131. PLATE	,	3,	1,	473,	125,	133,	477,	1,	0
132. PLATE	,	3,	1,	475,	127,	135,	479,	1,	0
133. PLATE	,	3,	1,	129,	128,	136,	137,	1,	0
134. PLATE	,	3,	1,	4,	129,	137,	5,	1,	0
135. PLATE	,	3,	1,	130,	4,	5,	138,	1,	0
136. PLATE	,	3,	1,	131,	130,	138,	139,	1,	0
137. PLATE	,	3,	1,	46,	131,	139,	47,	1,	0
138. PLATE	,	3,	1,	132,	46,	47,	140,	1,	0
139. PLATE	,	3,	1,	133,	132,	140,	141,	1,	0
140. PLATE	,	3,	1,	477,	133,	141,	481,	1,	0
141. PLATE	,	3,	1,	479,	135,	143,	483,	1,	0
142. PLATE	,	3,	1,	137,	136,	144,	145,	1,	0
143. PLATE	,	3,	1,	5,	137,	145,	6,	1,	0
144. PLATE	,	3,	1,	138,	5,	6,	146,	1,	0
145. PLATE	,	3,	1,	139,	138,	146,	147,	1,	0
146. PLATE	,	3,	1,	47,	139,	147,	48,	1,	0
147. PLATE	,	3,	1,	140,	47,	48,	148,	1,	0
148. PLATE	,	3,	1,	141,	140,	148,	149,	1,	0
149. PLATE	,	3,	1,	481,	141,	149,	485,	1,	0
150. PLATE	,	3,	1,	483,	143,	433,	487,	1,	0
151. PLATE	,	3,	1,	145,	144,	434,	435,	1,	0
152. PLATE	,	3,	1,	6,	145,	435,	85,	1,	0
153. PLATE	,	3,	1,	146,	6,	85,	95,	1,	0
154. PLATE	,	3,	1,	147,	146,	95,	102,	1,	0
155. PLATE	,	3,	1,	48,	147,	102,	88,	1,	0
156. PLATE	,	3,	1,	148,	48,	88,	436,	1,	0
157. PLATE	,	3,	1,	149,	148,	436,	437,	1,	0
158. PLATE	,	3,	1,	485,	149,	437,	489,	1,	0

159. PLATE	,	3,	1,	491,	151,	159,	493,	1,	0
160. PLATE	,	3,	1,	153,	152,	160,	161,	1,	0
161. PLATE	,	3,	1,	7,	153,	161,	8,	1,	0
162. PLATE	,	3,	1,	154,	7,	8,	162,	1,	0
163. PLATE	,	3,	1,	155,	154,	162,	163,	1,	0
164. PLATE	,	3,	1,	49,	155,	163,	50,	1,	0
165. PLATE	,	3,	1,	156,	49,	50,	164,	1,	0
166. PLATE	,	3,	1,	157,	156,	164,	165,	1,	0
167. PLATE	,	3,	1,	495,	157,	165,	497,	1,	0
168. PLATE	,	3,	1,	493,	159,	167,	499,	1,	0
169. PLATE	,	3,	1,	161,	160,	168,	169,	1,	0
170. PLATE	,	3,	1,	8,	161,	169,	9,	1,	0
171. PLATE	,	3,	1,	162,	8,	9,	170,	1,	0
172. PLATE	,	3,	1,	163,	162,	170,	171,	1,	0
173. PLATE	,	3,	1,	50,	163,	171,	51,	1,	0
174. PLATE	,	3,	1,	164,	50,	51,	172,	1,	0
175. PLATE	,	3,	1,	165,	164,	172,	173,	1,	0
176. PLATE	,	3,	1,	497,	165,	173,	501,	1,	0
177. PLATE	,	3,	1,	499,	167,	175,	503,	1,	0
178. PLATE	,	3,	1,	169,	168,	176,	177,	1,	0
179. PLATE	,	3,	1,	9,	169,	177,	10,	1,	0
180. PLATE	,	3,	1,	170,	9,	10,	178,	1,	0
181. PLATE	,	3,	1,	171,	170,	178,	179,	1,	0
182. PLATE	,	3,	1,	51,	171,	179,	52,	1,	0
183. PLATE	,	3,	1,	172,	51,	52,	180,	1,	0
184. PLATE	,	3,	1,	173,	172,	180,	181,	1,	0
185. PLATE	,	3,	1,	501,	173,	181,	505,	1,	0
186. PLATE	,	3,	1,	503,	175,	183,	507,	1,	0
187. PLATE	,	3,	1,	177,	176,	184,	185,	1,	0
188. PLATE	,	3,	1,	10,	177,	185,	11,	1,	0
189. PLATE	,	3,	1,	178,	10,	11,	186,	1,	0
190. PLATE	,	3,	1,	179,	178,	186,	187,	1,	0
191. PLATE	,	3,	1,	52,	179,	187,	53,	1,	0
192. PLATE	,	3,	1,	180,	52,	53,	188,	1,	0
193. PLATE	,	3,	1,	181,	180,	188,	189,	1,	0
194. PLATE	,	3,	1,	505,	181,	189,	509,	1,	0
195. PLATE	,	3,	1,	507,	183,	191,	511,	1,	0
196. PLATE	,	3,	1,	185,	184,	192,	193,	1,	0
197. PLATE	,	3,	1,	11,	185,	193,	12,	1,	0
198. PLATE	,	3,	1,	186,	11,	12,	194,	1,	0
199. PLATE	,	3,	1,	187,	186,	194,	195,	1,	0
200. PLATE	,	3,	1,	53,	187,	195,	54,	1,	0
201. PLATE	,	3,	1,	188,	53,	54,	196,	1,	0
202. PLATE	,	3,	1,	189,	188,	196,	197,	1,	0
203. PLATE	,	3,	1,	509,	189,	197,	513,	1,	0

204. PLATE	,	3,	1,	511,	191,	199,	515,	1,	0
205. PLATE	,	3,	1,	193,	192,	200,	201,	1,	0
206. PLATE	,	3,	1,	12,	193,	201,	13,	1,	0
207. PLATE	,	3,	1,	194,	12,	13,	92,	1,	0
208. PLATE	,	3,	1,	195,	194,	92,	99,	1,	0
209. PLATE	,	3,	1,	54,	195,	99,	55,	1,	0
210. PLATE	,	3,	1,	196,	54,	55,	202,	1,	0
211. PLATE	,	3,	1,	197,	196,	202,	203,	1,	0
212. PLATE	,	3,	1,	513,	197,	203,	517,	1,	0
213. PLATE	,	3,	1,	515,	199,	205,	519,	1,	0
214. PLATE	,	3,	1,	201,	200,	206,	207,	1,	0
215. PLATE	,	3,	1,	13,	201,	207,	14,	1,	0
216. PLATE	,	3,	1,	92,	13,	14,	208,	1,	0
217. PLATE	,	3,	1,	99,	92,	208,	209,	1,	0
218. PLATE	,	3,	1,	55,	99,	209,	56,	1,	0
219. PLATE	,	3,	1,	202,	55,	56,	210,	1,	0
220. PLATE	,	3,	1,	203,	202,	210,	211,	1,	0
221. PLATE	,	3,	1,	517,	203,	211,	521,	1,	0
222. PLATE	,	3,	1,	519,	205,	213,	523,	1,	0
223. PLATE	,	3,	1,	207,	206,	214,	215,	1,	0
224. PLATE	,	3,	1,	14,	207,	215,	15,	1,	0
225. PLATE	,	3,	1,	208,	14,	15,	216,	1,	0
226. PLATE	,	3,	1,	209,	208,	216,	217,	1,	0
227. PLATE	,	3,	1,	56,	209,	217,	57,	1,	0
228. PLATE	,	3,	1,	210,	56,	57,	218,	1,	0
229. PLATE	,	3,	1,	211,	210,	218,	219,	1,	0
230. PLATE	,	3,	1,	521,	211,	219,	525,	1,	0
231. PLATE	,	3,	1,	523,	213,	221,	527,	1,	0
232. PLATE	,	3,	1,	215,	214,	222,	223,	1,	0
233. PLATE	,	3,	1,	15,	215,	223,	16,	1,	0
234. PLATE	,	3,	1,	216,	15,	16,	224,	1,	0
235. PLATE	,	3,	1,	217,	216,	224,	225,	1,	0
236. PLATE	,	3,	1,	57,	217,	225,	58,	1,	0
237. PLATE	,	3,	1,	218,	57,	58,	226,	1,	0
238. PLATE	,	3,	1,	219,	218,	226,	227,	1,	0
239. PLATE	,	3,	1,	525,	219,	227,	529,	1,	0

249. PLATE ,	3,	1,	531,	229,	237,	535,	1,	0
250. PLATE ,	3,	1,	231,	230,	238,	239,	1,	0
251. PLATE ,	3,	1,	17,	231,	239,	18,	1,	0
252. PLATE ,	3,	1,	232,	17,	18,	240,	1,	0
253. PLATE ,	3,	1,	233,	232,	240,	241,	1,	0
254. PLATE ,	3,	1,	59,	233,	241,	60,	1,	0
255. PLATE ,	3,	1,	234,	59,	60,	242,	1,	0
256. PLATE ,	3,	1,	235,	234,	242,	243,	1,	0
257. PLATE ,	3,	1,	533,	235,	243,	537,	1,	0
258. PLATE ,	3,	1,	535,	237,	245,	539,	1,	0
259. PLATE ,	3,	1,	239,	238,	246,	247,	1,	0
260. PLATE ,	3,	1,	18,	239,	247,	19,	1,	0
261. PLATE ,	3,	1,	240,	18,	19,	248,	1,	0
262. PLATE ,	3,	1,	241,	240,	248,	249,	1,	0
263. PLATE ,	3,	1,	60,	241,	249,	61,	1,	0
264. PLATE ,	3,	1,	242,	60,	61,	250,	1,	0
265. PLATE ,	3,	1,	243,	242,	250,	251,	1,	0
266. PLATE ,	3,	1,	537,	243,	251,	541,	1,	0
267. PLATE ,	3,	1,	539,	245,	253,	543,	1,	0
268. PLATE ,	3,	1,	247,	246,	254,	255,	1,	0
269. PLATE ,	3,	1,	19,	247,	255,	20,	1,	0
270. PLATE ,	3,	1,	248,	19,	20,	256,	1,	0
271. PLATE ,	3,	1,	249,	248,	256,	257,	1,	0
272. PLATE ,	3,	1,	61,	249,	257,	62,	1,	0
273. PLATE ,	3,	1,	250,	61,	62,	258,	1,	0
274. PLATE ,	3,	1,	251,	250,	258,	259,	1,	0
275. PLATE ,	3,	1,	541,	251,	259,	545,	1,	0
276. PLATE ,	3,	1,	543,	253,	439,	547,	1,	0
277. PLATE ,	3,	1,	255,	254,	440,	441,	1,	0
278. PLATE ,	3,	1,	20,	255,	441,	86,	1,	0
279. PLATE ,	3,	1,	256,	20,	86,	96,	1,	0
280. PLATE ,	3,	1,	257,	256,	96,	103,	1,	0
281. PLATE ,	3,	1,	62,	257,	103,	89,	1,	0
282. PLATE ,	3,	1,	258,	62,	89,	442,	1,	0
283. PLATE ,	3,	1,	259,	258,	442,	443,	1,	0
284. PLATE ,	3,	1,	545,	259,	443,	549,	1,	0
285. PLATE ,	3,	1,	551,	261,	269,	553,	1,	0
286. PLATE ,	3,	1,	263,	262,	270,	271,	1,	0
287. PLATE ,	3,	1,	21,	263,	271,	22,	1,	0
288. PLATE ,	3,	1,	264,	21,	22,	272,	1,	0
289. PLATE ,	3,	1,	265,	264,	272,	273,	1,	0
290. PLATE ,	3,	1,	63,	265,	273,	64,	1,	0
291. PLATE ,	3,	1,	266,	63,	64,	274,	1,	0
292. PLATE ,	3,	1,	267,	266,	274,	275,	1,	0
293. PLATE ,	3,	1,	555,	267,	275,	557,	1,	0

294. PLATE ,	3,	1,	553,	269,	277,	559,	1,	0
295. PLATE ,	3,	1,	271,	270,	278,	279,	1,	0
296. PLATE ,	3,	1,	22,	271,	279,	23,	1,	0
297. PLATE ,	3,	1,	272,	22,	23,	280,	1,	0
298. PLATE ,	3,	1,	273,	272,	280,	281,	1,	0
299. PLATE ,	3,	1,	64,	273,	281,	65,	1,	0
300. PLATE ,	3,	1,	274,	64,	65,	282,	1,	0
301. PLATE ,	3,	1,	275,	274,	282,	283,	1,	0
302. PLATE ,	3,	1,	557,	275,	283,	561,	1,	0
303. PLATE ,	3,	1,	559,	277,	285,	563,	1,	0
304. PLATE ,	3,	1,	279,	278,	286,	287,	1,	0
305. PLATE ,	3,	1,	23,	279,	287,	24,	1,	0
306. PLATE ,	3,	1,	280,	23,	24,	288,	1,	0
307. PLATE ,	3,	1,	281,	280,	288,	289,	1,	0
308. PLATE ,	3,	1,	65,	281,	289,	66,	1,	0
309. PLATE ,	3,	1,	282,	65,	66,	290,	1,	0
310. PLATE ,	3,	1,	283,	282,	290,	291,	1,	0
311. PLATE ,	3,	1,	561,	283,	291,	565,	1,	0
312. PLATE ,	3,	1,	563,	285,	293,	567,	1,	0
313. PLATE ,	3,	1,	287,	286,	294,	295,	1,	0
314. PLATE ,	3,	1,	24,	287,	295,	25,	1,	0
315. PLATE ,	3,	1,	288,	24,	25,	296,	1,	0
316. PLATE ,	3,	1,	289,	288,	296,	297,	1,	0
317. PLATE ,	3,	1,	66,	289,	297,	67,	1,	0
318. PLATE ,	3,	1,	290,	66,	67,	298,	1,	0
319. PLATE ,	3,	1,	291,	290,	298,	299,	1,	0
320. PLATE ,	3,	1,	565,	291,	299,	569,	1,	0
321. PLATE ,	3,	1,	567,	293,	301,	571,	1,	0
322. PLATE ,	3,	1,	295,	294,	302,	303,	1,	0
323. PLATE ,	3,	1,	25,	295,	303,	26,	1,	0
324. PLATE ,	3,	1,	296,	25,	26,	304,	1,	0
325. PLATE ,	3,	1,	297,	296,	304,	305,	1,	0
326. PLATE ,	3,	1,	67,	297,	305,	68,	1,	0
327. PLATE ,	3,	1,	298,	67,	68,	306,	1,	0
328. PLATE ,	3,	1,	299,	298,	306,	307,	1,	0
329. PLATE ,	3,	1,	569,	299,	307,	573,	1,	0
330. PLATE ,	3,	1,	571,	301,	309,	575,	1,	0
331. PLATE ,	3,	1,	303,	302,	310,	311,	1,	0
332. PLATE ,	3,	1,	26,	303,	311,	27,	1,	0
333. PLATE ,	3,	1,	304,	26,	27,	312,	1,	0
334. PLATE ,	3,	1,	305,	304,	312,	313,	1,	0
335. PLATE ,	3,	1,	68,	305,	313,	69,	1,	0
336. PLATE ,	3,	1,	306,	68,	69,	314,	1,	0
337. PLATE ,	3,	1,	307,	306,	314,	315,	1,	0
338. PLATE ,	3,	1,	573,	307,	315,	577,	1,	0

339. PLATE ,	3,	1,	575,	309,	317,	579,	1,	0
340. PLATE ,	3,	1,	311,	310,	318,	319,	1,	0
341. PLATE ,	3,	1,	27,	311,	319,	28,	1,	0
342. PLATE ,	3,	1,	312,	27,	28,	93,	1,	0
343. PLATE ,	3,	1,	313,	312,	93,	100,	1,	0
344. PLATE ,	3,	1,	69,	313,	100,	70,	1,	0
345. PLATE ,	3,	1,	314,	69,	70,	320,	1,	0
346. PLATE ,	3,	1,	315,	314,	320,	321,	1,	0
347. PLATE ,	3,	1,	577,	315,	321,	581,	1,	0
348. PLATE ,	3,	1,	579,	317,	323,	583,	1,	0
349. PLATE ,	3,	1,	319,	318,	324,	325,	1,	0
350. PLATE ,	3,	1,	28,	319,	325,	29,	1,	0
351. PLATE ,	3,	1,	93,	28,	29,	326,	1,	0
352. PLATE ,	3,	1,	100,	93,	326,	327,	1,	0
353. PLATE ,	3,	1,	70,	100,	327,	71,	1,	0
354. PLATE ,	3,	1,	320,	70,	71,	328,	1,	0
355. PLATE ,	3,	1,	321,	320,	328,	329,	1,	0
356. PLATE ,	3,	1,	581,	321,	329,	585,	1,	0
357. PLATE ,	3,	1,	583,	323,	331,	587,	1,	0
358. PLATE ,	3,	1,	325,	324,	332,	333,	1,	0
359. PLATE ,	3,	1,	29,	325,	333,	30,	1,	0
360. PLATE ,	3,	1,	326,	29,	30,	334,	1,	0
361. PLATE ,	3,	1,	327,	326,	334,	335,	1,	0
362. PLATE ,	3,	1,	71,	327,	335,	72,	1,	0
363. PLATE ,	3,	1,	328,	71,	72,	336,	1,	0
364. PLATE ,	3,	1,	329,	328,	336,	337,	1,	0
365. PLATE ,	3,	1,	585,	329,	337,	589,	1,	0
366. PLATE ,	3,	1,	587,	331,	339,	591,	1,	0
367. PLATE ,	3,	1,	333,	332,	340,	341,	1,	0
368. PLATE ,	3,	1,	30,	333,	341,	31,	1,	0
369. PLATE ,	3,	1,	334,	30,	31,	342,	1,	0
370. PLATE ,	3,	1,	335,	334,	342,	343,	1,	0
371. PLATE ,	3,	1,	72,	335,	343,	73,	1,	0
372. PLATE ,	3,	1,	336,	72,	73,	344,	1,	0
373. PLATE ,	3,	1,	337,	336,	344,	345,	1,	0
374. PLATE ,	3,	1,	589,	337,	345,	593,	1,	0
375. PLATE ,	3,	1,	591,	339,	347,	595,	1,	0
376. PLATE ,	3,	1,	341,	340,	348,	349,	1,	0
377. PLATE ,	3,	1,	31,	341,	349,	32,	1,	0
378. PLATE ,	3,	1,	342,	31,	32,	350,	1,	0
379. PLATE ,	3,	1,	343,	342,	350,	351,	1,	0
380. PLATE ,	3,	1,	73,	343,	351,	74,	1,	0
381. PLATE ,	3,	1,	344,	73,	74,	352,	1,	0
382. PLATE ,	3,	1,	345,	344,	352,	353,	1,	0
383. PLATE ,	3,	1,	593,	345,	353,	597,	1,	0

384. PLATE ,	3,	1,	595,	347,	355,	599,	1,	0
385. PLATE ,	3,	1,	349,	348,	356,	357,	1,	0
386. PLATE ,	3,	1,	32,	349,	357,	33,	1,	0
387. PLATE ,	3,	1,	350,	32,	33,	358,	1,	0
388. PLATE ,	3,	1,	351,	350,	358,	359,	1,	0
389. PLATE ,	3,	1,	74,	351,	359,	75,	1,	0
390. PLATE ,	3,	1,	352,	74,	75,	360,	1,	0
391. PLATE ,	3,	1,	353,	352,	360,	361,	1,	0
392. PLATE ,	3,	1,	597,	353,	361,	601,	1,	0
393. PLATE ,	3,	1,	599,	355,	363,	603,	1,	0
394. PLATE ,	3,	1,	357,	356,	364,	365,	1,	0
395. PLATE ,	3,	1,	33,	357,	365,	34,	1,	0
396. PLATE ,	3,	1,	358,	33,	34,	366,	1,	0
397. PLATE ,	3,	1,	359,	358,	366,	367,	1,	0
398. PLATE ,	3,	1,	75,	359,	367,	76,	1,	0
399. PLATE ,	3,	1,	360,	75,	76,	368,	1,	0
400. PLATE ,	3,	1,	361,	360,	368,	369,	1,	0
401. PLATE ,	3,	1,	601,	361,	369,	605,	1,	0
402. PLATE ,	3,	1,	603,	363,	445,	607,	1,	0
403. PLATE ,	3,	1,	365,	364,	446,	447,	1,	0
404. PLATE ,	3,	1,	34,	365,	447,	87,	1,	0
405. PLATE ,	3,	1,	366,	34,	87,	97,	1,	0
406. PLATE ,	3,	1,	367,	366,	97,	104,	1,	0
407. PLATE ,	3,	1,	76,	367,	104,	90,	1,	0
408. PLATE ,	3,	1,	368,	76,	90,	448,	1,	0
409. PLATE ,	3,	1,	369,	368,	448,	449,	1,	0
410. PLATE ,	3,	1,	605,	369,	449,	609,	1,	0
411. PLATE ,	3,	1,	611,	371,	379,	613,	1,	0
412. PLATE ,	3,	1,	373,	372,	380,	381,	1,	0
413. PLATE ,	3,	1,	35,	373,	381,	36,	1,	0
414. PLATE ,	3,	1,	374,	35,	36,	382,	1,	0
415. PLATE ,	3,	1,	375,	374,	382,	383,	1,	0
416. PLATE ,	3,	1,	77,	375,	383,	78,	1,	0
417. PLATE ,	3,	1,	376,	77,	78,	384,	1,	0
418. PLATE ,	3,	1,	377,	376,	384,	385,	1,	0
419. PLATE ,	3,	1,	615,	377,	385,	617,	1,	0
420. PLATE ,	3,	1,	613,	379,	387,	619,	1,	0
421. PLATE ,	3,	1,	381,	380,</				

429. PLATE ,	3,	1,	619,	387,	395,	623,	1,	0
430. PLATE ,	3,	1,	389,	388,	396,	397,	1,	0
431. PLATE ,	3,	1,	37,	389,	397,	38,	1,	0
432. PLATE ,	3,	1,	390,	37,	38,	398,	1,	0
433. PLATE ,	3,	1,	391,	390,	398,	399,	1,	0
434. PLATE ,	3,	1,	79,	391,	399,	80,	1,	0
435. PLATE ,	3,	1,	392,	79,	80,	400,	1,	0
436. PLATE ,	3,	1,	393,	392,	400,	401,	1,	0
437. PLATE ,	3,	1,	621,	393,	401,	625,	1,	0
438. PLATE ,	3,	1,	623,	395,	403,	627,	1,	0
439. PLATE ,	3,	1,	397,	396,	404,	405,	1,	0
440. PLATE ,	3,	1,	38,	397,	405,	39,	1,	0
441. PLATE ,	3,	1,	398,	38,	39,	406,	1,	0
442. PLATE ,	3,	1,	399,	398,	406,	407,	1,	0
443. PLATE ,	3,	1,	80,	399,	407,	81,	1,	0
444. PLATE ,	3,	1,	400,	80,	81,	408,	1,	0
445. PLATE ,	3,	1,	401,	400,	408,	409,	1,	0
446. PLATE ,	3,	1,	625,	401,	409,	629,	1,	0
447. PLATE ,	3,	1,	627,	403,	411,	631,	1,	0
448. PLATE ,	3,	1,	405,	404,	412,	413,	1,	0
449. PLATE ,	3,	1,	39,	405,	413,	40,	1,	0
450. PLATE ,	3,	1,	406,	39,	40,	94,	1,	0
451. PLATE ,	3,	1,	407,	406,	94,	101,	1,	0
452. PLATE ,	3,	1,	81,	407,	101,	82,	1,	0
453. PLATE ,	3,	1,	408,	81,	82,	414,	1,	0
454. PLATE ,	3,	1,	409,	408,	414,	415,	1,	0
455. PLATE ,	3,	1,	629,	409,	415,	633,	1,	0
465. PLATE ,	3,	1,	631,	411,	417,	635,	1,	0
466. PLATE ,	3,	1,	413,	412,	418,	419,	1,	0
467. PLATE ,	3,	1,	40,	413,	419,	42,	1,	0
468. PLATE ,	3,	1,	94,	40,	42,	420,	1,	0
469. PLATE ,	3,	1,	101,	94,	420,	421,	1,	0
470. PLATE ,	3,	1,	82,	101,	421,	84,	1,	0
471. PLATE ,	3,	1,	414,	82,	84,	422,	1,	0
472. PLATE ,	3,	1,	415,	414,	422,	423,	1,	0
473. PLATE ,	3,	1,	633,	415,	423,	637,	1,	0
483. PLATE ,	3,	1,	639,	430,	108,	463,	1,	0
484. PLATE ,	3,	1,	429,	432,	110,	107,	1,	0
485. PLATE ,	3,	1,	41,	429,	107,	1,	1,	0
486. PLATE ,	3,	1,	425,	41,	1,	91,	1,	0
487. PLATE ,	3,	1,	426,	425,	91,	98,	1,	0
488. PLATE ,	3,	1,	83,	426,	98,	43,	1,	0
489. PLATE ,	3,	1,	427,	83,	43,	105,	1,	0
490. PLATE ,	3,	1,	431,	427,	105,	109,	1,	0
491. PLATE ,	3,	1,	641,	431,	109,	467,	1,	0

492. PLATE ,	3,	1,	487,	433,	151,	491,	1,	0
493. PLATE ,	3,	1,	435,	434,	152,	153,	1,	0
494. PLATE ,	3,	1,	85,	435,	153,	7,	1,	0
495. PLATE ,	3,	1,	95,	85,	7,	154,	1,	0
496. PLATE ,	3,	1,	102,	95,	154,	155,	1,	0
497. PLATE ,	3,	1,	88,	102,	155,	49,	1,	0
498. PLATE ,	3,	1,	436,	88,	49,	156,	1,	0
499. PLATE ,	3,	1,	437,	436,	156,	157,	1,	0
500. PLATE ,	3,	1,	489,	437,	157,	495,	1,	0
501. PLATE ,	3,	1,	547,	439,	261,	551,	1,	0
502. PLATE ,	3,	1,	441,	440,	262,	263,	1,	0
503. PLATE ,	3,	1,	86,	441,	263,	21,	1,	0
504. PLATE ,	3,	1,	96,	86,	21,	264,	1,	0
505. PLATE ,	3,	1,	103,	96,	264,	265,	1,	0
506. PLATE ,	3,	1,	89,	103,	265,	63,	1,	0
507. PLATE ,	3,	1,	442,	89,	63,	266,	1,	0
508. PLATE ,	3,	1,	443,	442,	266,	267,	1,	0
509. PLATE ,	3,	1,	549,	443,	267,	555,	1,	0
510. PLATE ,	3,	1,	607,	445,	371,	611,	1,	0
511. PLATE ,	3,	1,	447,	446,	372,	373,	1,	0
512. PLATE ,	3,	1,	87,	447,	373,	35,	1,	0
513. PLATE ,	3,	1,	97,	87,	35,	374,	1,	0
514. PLATE ,	3,	1,	104,	97,	374,	375,	1,	0
515. PLATE ,	3,	1,	90,	104,	375,	77,	1,	0
516. PLATE ,	3,	1,	448,	90,	77,	376,	1,	0
517. PLATE ,	3,	1,	449,	448,	376,	377,	1,	0
518. PLATE ,	3,	1,	609,	449,	377,	615,	1,	0
519. PLATE ,	3,	1,	464,	463,	465,	466,	1,	0
520. PLATE ,	3,	1,	110,	464,	466,	112,	1,	0
521. PLATE ,	3,	1,	468,	467,	469,	470,	1,	0
522. PLATE ,	3,	1,	106,	468,	470,	118,	1,	0
523. PLATE ,	3,	1,	466,	465,	471,	472,	1,	0
524. PLATE ,	3,	1,	112,	466,	472,	120,	1,	0
525. PLATE ,	3,	1,	470,	469,	473,	474,	1,	0
526. PLATE ,	3,	1,	118,	470,	474,	126,	1,	0
527. PLATE ,	3,	1,	472,	471,	475,	476,	1,	0
528. PLATE ,	3,	1,	120,	472,	476,	128,	1,	0
529. PLATE ,	3,	1,	474,	473,	477,	478,	1,	0
530. PLATE ,	3,	1,	126,	474,	478,	134,	1,	0
531. PLATE ,	3,	1,	476,	475,	479,	480,	1,	0
532. PLATE ,	3,	1,	128,	476,	480,	136,	1,	0
533. PLATE ,	3,	1,	478,	477,	481,	482,	1,	0
534. PLATE ,	3,	1,	134,	478,	482,	142,	1,	0
535. PLATE ,	3,	1,	480,	479,	483,	484,	1,	0
536. PLATE ,	3,	1,	136,	480,	484,	144,	1,	0

537. PLATE ,	3,	1,	482,	481,	485,	486,	1,	0
538. PLATE ,	3,	1,	142,	482,	486,	150,	1,	0
539. PLATE ,	3,	1,	484,	483,	487,	488,	1,	0
540. PLATE ,	3,	1,	144,	484,	488,	434,	1,	0
541. PLATE ,	3,	1,	486,	485,	489,	490,	1,	0
542. PLATE ,	3,	1,	150,	486,	490,	438,	1,	0
543. PLATE ,	3,	1,	492,	491,	493,	494,	1,	0
544. PLATE ,	3,	1,	152,	492,	494,	160,	1,	0
545. PLATE ,	3,	1,	496,	495,	497,	498,	1,	0
546. PLATE ,	3,	1,	158,	496,	498,	166,	1,	0
547. PLATE ,	3,	1,	494,	493,	499,	500,	1,	0
548. PLATE ,	3,	1,	160,	494,	500,	168,	1,	0
549. PLATE ,	3,	1,	498,	497,	501,	502,	1,	0
550. PLATE ,	3,	1,	166,	498,	502,	174,	1,	0
551. PLATE ,	3,	1,	500,	499,	503,	504,	1,	0
552. PLATE ,	3,	1,	168,	500,	504,	176,	1,	0
553. PLATE ,	3,	1,	502,	501,	505,	506,	1,	0
554. PLATE ,	3,	1,	174,	502,	506,	182,	1,	0
555. PLATE ,	3,	1,	504,	503,	507,	508,	1,	0
556. PLATE ,	3,	1,	176,	504,	508,	184,	1,	0
557. PLATE ,	3,	1,	506,	505,	509,	510,	1,	0
558. PLATE ,	3,	1,	182,	506,	510,	190,	1,	0
559. PLATE ,	3,	1,	508,	507,	511,	512,	1,	0
560. PLATE ,	3,	1,	184,	508,	512,	192,	1,	0
561. PLATE ,	3,	1,	510,	509,	513,	514,	1,	0
562. PLATE ,	3,	1,	190,	510,	514,	198,	1,	0
563. PLATE ,	3,	1,	512,	511,	515,	516,	1,	0
564. PLATE ,	3,	1,	192,	512,	516,	200,	1,	0
565. PLATE ,	3,	1,	514,	513,	517,	518,	1,	0
566. PLATE ,	3,	1,	198,	514,	518,	204,	1,	0
567. PLATE ,	3,	1,	516,	515,	519,	520,	1,	0
568. PLATE ,	3,	1,	200,	516,	520,	206,	1,	0
569. PLATE ,	3,	1,	518,	517,	521,	522,	1,	0
570. PLATE ,	3,	1,	204,	518,	522,	212,	1,	0
571. PLATE ,	3,	1,	520,	519,	523,	524,	1,	0
572. PLATE ,	3,	1,	206,	520,	524,	214,	1,	0
573. PLATE ,	3,	1,	522,	521,	525,	526,	1,	0
574. PLATE ,	3,	1,	212,	522,	526,	220,	1,	0
575. PLATE ,	3,	1,	524,	523,	527,	528,	1,	0
576. PLATE ,	3,	1,	214,	524,	528,	222,	1,	0
577. PLATE ,	3,	1,	526,	525,	529,	530,	1,	0
578. PLATE ,	3,	1,	220,	526,	530,	228,	1,	0
579. PLATE ,	3,	1,	528,	527,	531,	532,	1,	0
580. PLATE ,	3,	1,	222,	528,	532,	230,	1,	0
581. PLATE ,	3,	1,	530,	529,	533,	534,	1,	0

582. PLATE ,	3,	1,	228,	530,	534,	236,	1,	0
583. PLATE ,	3,	1,	532,	531,	535,	536,	1,	0
584. PLATE ,	3,	1,	230,	532,	536,	238,	1,	0
585. PLATE ,	3,	1,	534,	533,	537,	538,	1,	0
586. PLATE ,	3,	1,	236,	534,	538,	244,	1,	0
587. PLATE ,	3,	1,	536,	535,	539,	540,	1,	0
588. PLATE ,	3,	1,	238,	536,	540,	246,	1,	0
589. PLATE ,	3,	1,	538,	537,	541,	542,	1,	0
590. PLATE ,	3,	1,	244,	538,	542,	252,	1,	0
591. PLATE ,	3,	1,	540,	539,	543,	544,	1,	0
592. PLATE ,	3,	1,	246,	540,	544,	254,	1,	0
593. PLATE ,	3,	1,	542,	541,	545,	546,	1,	0
594. PLATE ,	3,	1,	252,	542,	546,	260,	1,	0
595. PLATE ,	3,	1,	544,	543,	547,	548,	1,	0
596. PLATE ,	3,	1,	254,	544,	548,	440,	1,	0
597. PLATE ,	3,	1,	546,	545,	549,	550,	1,	0
598. PLATE ,	3,	1,	260,	546,	550,	444,	1,	0
599. PLATE ,	3,	1,	552,	551,	553,	554,	1,	0
600. PLATE ,	3,	1,	262,	552,	554,	270,	1,	0
601. PLATE ,	3,	1,	556,	555,	557,	558,	1,	0
602. PLATE ,	3,	1,	268,	556,	558,	276,	1,	0
603. PLATE ,	3,	1,	554,	553,	559,	560,	1,	0
604. PLATE ,	3,	1,	270,	554,	560,	278,	1,	0
605. PLATE ,	3,	1,	558,	557,	561,	562,	1,	0
606. PLATE ,	3,	1,	276,	558,	562,	284,	1,	0
607. PLATE ,	3,	1,	560,	559,	563,	564,	1,	0
608. PLATE ,	3,	1,	278,	560,	564,	286,	1,	0
609. PLATE ,	3,	1,	562,	561,	565,	566,	1,	0
610. PLATE ,	3,	1,	284,	562,	566,	292,	1,	0
611. PLATE ,	3,	1,	564,	563,	567,	568,	1,	0
612. PLATE ,	3,	1,	286,	564,	568,	294,	1,	0
613. PLATE ,	3,	1,	566,	565,	569,	570,	1,	0
614. PLATE ,	3,	1,	292,	566,	570,	300,	1,	0
615. PLATE ,	3,	1,	568,	567,	571,	572,	1,	0
616. PLATE ,	3,	1,	294,	568,	572,	302,	1,	0
617. PLATE ,	3,	1,	570,	569,	573,	574,	1,	0
618. PLATE ,	3,	1,	300,					

627. PLATE , 3, 1, 580, 579, 583, 584, 1, 0
628. PLATE , 3, 1, 318, 580, 584, 324, 1, 0
629. PLATE , 3, 1, 582, 581, 585, 586, 1, 0
630. PLATE , 3, 1, 322, 582, 586, 330, 1, 0
631. PLATE , 3, 1, 584, 583, 587, 588, 1, 0
632. PLATE , 3, 1, 324, 584, 588, 332, 1, 0
633. PLATE , 3, 1, 586, 585, 589, 590, 1, 0
634. PLATE , 3, 1, 330, 586, 590, 338, 1, 0
635. PLATE , 3, 1, 588, 587, 591, 592, 1, 0
636. PLATE , 3, 1, 332, 588, 592, 340, 1, 0
637. PLATE , 3, 1, 590, 589, 593, 594, 1, 0
638. PLATE , 3, 1, 338, 590, 594, 346, 1, 0
639. PLATE , 3, 1, 592, 591, 595, 596, 1, 0
640. PLATE , 3, 1, 340, 592, 596, 348, 1, 0
641. PLATE , 3, 1, 594, 593, 597, 598, 1, 0
642. PLATE , 3, 1, 346, 594, 598, 354, 1, 0
643. PLATE , 3, 1, 596, 595, 599, 600, 1, 0
644. PLATE , 3, 1, 348, 596, 600, 356, 1, 0
645. PLATE , 3, 1, 598, 597, 601, 602, 1, 0
646. PLATE , 3, 1, 354, 598, 602, 362, 1, 0
647. PLATE , 3, 1, 600, 599, 603, 604, 1, 0
648. PLATE , 3, 1, 356, 600, 604, 364, 1, 0
649. PLATE , 3, 1, 602, 601, 605, 606, 1, 0
650. PLATE , 3, 1, 362, 602, 606, 370, 1, 0
651. PLATE , 3, 1, 604, 603, 607, 608, 1, 0
652. PLATE , 3, 1, 364, 604, 608, 446, 1, 0
653. PLATE , 3, 1, 606, 605, 609, 610, 1, 0
654. PLATE , 3, 1, 370, 606, 610, 450, 1, 0
655. PLATE , 3, 1, 612, 611, 613, 614, 1, 0
656. PLATE , 3, 1, 372, 612, 614, 380, 1, 0
657. PLATE , 3, 1, 616, 615, 617, 618, 1, 0
658. PLATE , 3, 1, 378, 616, 618, 386, 1, 0
659. PLATE , 3, 1, 614, 613, 619, 620, 1, 0
660. PLATE , 3, 1, 380, 614, 620, 388, 1, 0
661. PLATE , 3, 1, 618, 617, 621, 622, 1, 0
662. PLATE , 3, 1, 386, 618, 622, 394, 1, 0
663. PLATE , 3, 1, 620, 619, 623, 624, 1, 0
664. PLATE , 3, 1, 388, 620, 624, 396, 1, 0
665. PLATE , 3, 1, 622, 621, 625, 626, 1, 0
666. PLATE , 3, 1, 394, 622, 626, 402, 1, 0
667. PLATE , 3, 1, 624, 623, 627, 628, 1, 0
668. PLATE , 3, 1, 396, 624, 628, 404, 1, 0
669. PLATE , 3, 1, 626, 625, 629, 630, 1, 0
670. PLATE , 3, 1, 402, 626, 630, 410, 1, 0
671. PLATE , 3, 1, 628, 627, 631, 632, 1, 0

672. PLATE , 3, 1, 404, 628, 632, 412, 1, 0
673. PLATE , 3, 1, 630, 629, 633, 634, 1, 0
674. PLATE , 3, 1, 410, 630, 634, 416, 1, 0
675. PLATE , 3, 1, 632, 631, 635, 636, 1, 0
676. PLATE , 3, 1, 412, 632, 636, 418, 1, 0
677. PLATE , 3, 1, 634, 633, 637, 638, 1, 0
678. PLATE , 3, 1, 416, 634, 638, 424, 1, 0
679. PLATE , 3, 1, 640, 639, 463, 464, 1, 0
680. PLATE , 3, 1, 432, 640, 464, 110, 1, 0
681. PLATE , 3, 1, 642, 641, 467, 468, 1, 0
682. PLATE , 3, 1, 428, 642, 468, 106, 1, 0
683. PLATE , 3, 1, 488, 487, 491, 492, 1, 0
684. PLATE , 3, 1, 434, 488, 492, 152, 1, 0
685. PLATE , 3, 1, 490, 489, 495, 496, 1, 0
686. PLATE , 3, 1, 438, 490, 496, 158, 1, 0
687. PLATE , 3, 1, 548, 547, 551, 552, 1, 0
688. PLATE , 3, 1, 440, 548, 552, 262, 1, 0
689. PLATE , 3, 1, 550, 549, 555, 556, 1, 0
690. PLATE , 3, 1, 444, 550, 556, 268, 1, 0
691. PLATE , 3, 1, 608, 607, 611, 612, 1, 0
692. PLATE , 3, 1, 446, 608, 612, 372, 1, 0
693. PLATE , 3, 1, 610, 609, 615, 616, 1, 0
694. PLATE , 3, 1, 450, 610, 616, 378, 1, 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, USER , SM490 , 0, 0, , C, YES, 0, 2, 2.0600e+008, 0.3, 1.2000e-005,
110.62, 11.28
2, USER , SM400 , 0, 0, , C, YES, 0, 2, 2.0600e+008, 0.3, 1.2000e-005,
110.62, 11.28
3, CONC , C210 , 0, 0, , C, NO, 0.05, 2, 2.3986e+007, 0.18, 1.0000e-005,
24.5166, 0
*MATL-COLOR
: iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 255, 77, 77, 192, 220, 192, NO, 0.5
2, 255, 0, 0, 255, 77, 77, 192, 220, 192, NO, 0.5
3, 255, 0, 0, 255, 77, 77, 192, 220, 192, 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, lxx, lyy, lzz : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd
line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL :
1st line - SRC
: D1, D2, [SRC] : 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 :
1st line - COMBINED
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
: iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE :
1st line - TAPERED
: DB, NAME1, NAME2 : 2nd
line(STYPE=DB)
: [DIM1], [DIM2] : 2nd
line(STYPE=USER)
: D11, D12, D13, D14, D15, D16, D17, D18 : 2nd
line(STYPE=VALUE)
: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 : 3rd
line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 : 5th
line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28 : 6th
line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 : 7th
line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 : 9th
line(STYPE=VALUE)
: OPT1, OPT2, [JOINT] : 2nd
line(STYPE=PSC)
: ELAST, DEN, POIS, POIC, THERMAL : 2nd
line(STYPE=PSC-CMPW)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], Wl, Wj, bSYM, bSIDEHOLE : 3rd
line(STYPE=PSC)
: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] : 3rd

line(STYPE=PSC-CMPW)
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] : 4th
line(STYPE=PSC)
: [SIZE-A]-i : 5th
line(STYPE=PSC)
: [SIZE-B]-i : 6th
line(STYPE=PSC)
: [SIZE-C]-i : 7th
line(STYPE=PSC)
: [SIZE-D]-i : 8th
line(STYPE=PSC)
: [SIZE-A]-j : 9th
line(STYPE=PSC)
: [SIZE-B]-j : 10th
line(STYPE=PSC)
: [SIZE-C]-j : 11th
line(STYPE=PSC)
: [SIZE-D]-j : 12th
line(STYPE=PSC)
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 2nd
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_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)


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: [SIZE-D]-j : 11th
line(STYPE=CMF-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, 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 : 1st line -
PSC
: OPT1, OPT2, [JOINT] : 2nd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line
: bUSERDEFMESHSIZE, MESHSIZE, 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, HUSER1, HUSERJ, iVERT, VUSER1, 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)
```

```
2, 0, 0, 0, 2, 5
2, Stiffener1, 0, 0.18, 0.015, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.18, 0.015, 0, 0, 0, 0, 0, 0
0
0
2, 0.591333, 0, YES, 0.591333, 0, YES
5, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0,
YES
2, 1, 2, 2, 0.001, 0, 8.58566, 3.14, 0.3, 0.18, 1, NO, ,
6, COMPOSITE , girder(SM490)-5 , CT, 1, 0, 0, 0, 0, 0, YES, NO, B
2, 0.013, 1.8, 0.087, 0.036, 1.8, 0.087, 0.034
2, 0, 0, 0, 2, 5
2, Stiffener1, 0, 0.18, 0.015, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.18, 0.015, 0, 0, 0, 0, 0, 0
0
0
2, 0.591333, 0, YES, 0.591333, 0, YES
5, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0,
YES
2, 1, 2, 2, 0.001, 0, 8.58566, 3.14, 0.3, 0.18, 1, NO, ,
*SECT-COLOR
: iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 255, 77, 77, 192, 220, 192, NO, 0.5
2, 255, 0, 0, 255, 77, 77, 192, 220, 192, NO, 0.5
3, 255, 0, 0, 255, 77, 77, 192, 220, 192, NO, 0.5
4, 255, 0, 0, 255, 77, 77, 192, 220, 192, NO, 0.5
5, 255, 0, 0, 255, 77, 77, 192, 220, 192, NO, 0.5
6, 255, 0, 0, 255, 77, 77, 192, 220, 192, NO, 0.5
*DGN-SECT
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] : 1st
line - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL : 1st
line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd
line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL :
1st line - SRC
: D1, D2, [SRC] : 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 :
1st line - COMBINED
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
: iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iVar, izVAR, STYPE :
1st line - TAPERED
: DB, NAME1, NAME2 : 2nd
```

```
: [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
1, COMPOSITE , girder(SM490)-1 , CT, 1, 0, 0, 0, 0, 0, YES, NO, B
2, 0.013, 1.8, 0.087, 0.015, 1.8, 0.087, 0.015
2, 0, 0, 0, 2, 5
2, Stiffener1, 0, 0.18, 0.015, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.18, 0.015, 0, 0, 0, 0, 0, 0
0
0
2, 0.591333, 0, YES, 0.591333, 0, YES
5, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0,
YES
2, 1, 2, 2, 0.001, 0, 8.58566, 3.14, 0.3, 0.18, 1, NO, ,
2, DBUSER , cross beam , CT, 1, 0, 0, 0, 0, 0, YES, NO, H , 2, 0.75, 0.34,
0.009, 0.022, 0.34, 0.022, 0, 0, 0, 0
3, COMPOSITE , girder(SM490)-2 , CT, 1, 0, 0, 0, 0, 0, YES, NO, B
2, 0.013, 1.8, 0.087, 0.022, 1.8, 0.087, 0.022
2, 0, 0, 0, 2, 5
2, Stiffener1, 0, 0.18, 0.015, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.18, 0.015, 0, 0, 0, 0, 0, 0
0
0
2, 0.591333, 0, YES, 0.591333, 0, YES
5, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0,
YES
2, 1, 2, 2, 0.001, 0, 8.58566, 3.14, 0.3, 0.18, 1, NO, ,
4, COMPOSITE , girder(SM490)-3 , CT, 1, 0, 0, 0, 0, 0, YES, NO, B
2, 0.013, 1.8, 0.087, 0.03, 1.8, 0.087, 0.03
2, 0, 0, 0, 2, 5
2, Stiffener1, 0, 0.18, 0.015, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.18, 0.015, 0, 0, 0, 0, 0, 0
0
0
2, 0.591333, 0, YES, 0.591333, 0, YES
5, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0, YES, 0.295667, 0,
YES
2, 1, 2, 2, 0.001, 0, 8.58566, 3.14, 0.3, 0.18, 1, NO, ,
5, COMPOSITE , girder(SM490)-4 , CT, 1, 0, 0, 0, 0, 0, YES, NO, B
2, 0.013, 1.8, 0.087, 0.03, 1.8, 0.087, 0.036
```

```
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)
: bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] : 4th
line(STYPE=PSC)
: [SIZE-A]-i : 5th
line(STYPE=PSC)
: [SIZE-B]-i : 6th
line(STYPE=PSC)
: [SIZE-C]-i : 7th
line(STYPE=PSC)
: [SIZE-D]-i : 8th
line(STYPE=PSC)
: [SIZE-A]-j : 9th
line(STYPE=PSC)
: [SIZE-B]-j : 10th
line(STYPE=PSC)
: [SIZE-C]-j : 11th
line(STYPE=PSC)
: [SIZE-D]-j : 12th
line(STYPE=PSC)
```

```
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 2nd
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i : 3rd
line(STYPE=CMP-B/I)
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 4th
line(STYPE=CMP-B/I)
: N1, N2, Hr, Hr2, tr1, tr2 : 5th
line(STYPE=CMP-B)
: GN, CTC, Bc, Tc, Hh, EgD Esb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j : 2nd
line(STYPE=CMP-CI/CT)
: OPT1, OPT2, [JOINT] : 3rd
line(STYPE=CMP-CI/CT)
: [SIZE-A]-i : 4th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-i : 5th
line(STYPE=CMP-CI/CT)
: [SIZE-C]-i : 6th
line(STYPE=CMP-CI/CT)
: [SIZE-D]-i : 7th
line(STYPE=CMP-CI/CT)
: [SIZE-A]-j : 8th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-j : 9th
line(STYPE=CMP-CI/CT)
: [SIZE-C]-j : 10th
line(STYPE=CMP-CI/CT)
: [SIZE-D]-j : 11th
line(STYPE=CMP-CI/CT)
: iSEC, TYPE, SNAME, [OFFSET], bSD, 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, Bf1, 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
```

```
2, 1, 2, 2, 1e-010, 0, 8.58566, 3.14, 0.3, 0.18, 1, NO, ,
2, DBUSER, cross beam, CT, 1, 0, 0, 0, 0, YES, NO, H, 2, 0.75, 0.34,
0.009, 0.022, 0.34, 0.022, 0, 0, 0, 0
3, COMPOSITE, girder(SM490)-2, CT, 1, 0, 0, 0, 0, YES, NO, B
2, 0.013, 1.8, 0.087, 0.022, 1.8, 0.087, 0.022
2, 0, 0, 0, 2, 5
2, , 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0
2, 0, 0, NO, 0, 0, NO
5, 0, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0, NO
2, 1, 2, 2, 1e-010, 0, 8.58566, 3.14, 0.3, 0.18, 1, NO, ,
4, COMPOSITE, girder(SM490)-3, CT, 1, 0, 0, 0, 0, YES, NO, B
2, 0.013, 1.8, 0.087, 0.03, 1.8, 0.087, 0.03
2, 0, 0, 0, 2, 5
2, , 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0
2, 0, 0, NO, 0, 0, NO
5, 0, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0, NO
2, 1, 2, 2, 1e-010, 0, 8.58566, 3.14, 0.3, 0.18, 1, NO, ,
5, COMPOSITE, girder(SM490)-4, CT, 1, 0, 0, 0, 0, YES, NO, B
2, 0.013, 1.8, 0.087, 0.03, 1.8, 0.087, 0.036
2, 0, 0, 0, 2, 5
2, , 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0
2, 0, 0, NO, 0, 0, NO
5, 0, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0, NO
2, 1, 2, 2, 1e-010, 0, 8.58566, 3.14, 0.3, 0.18, 1, NO, ,
6, COMPOSITE, girder(SM490)-5, CT, 1, 0, 0, 0, 0, YES, NO, B
2, 0.013, 1.8, 0.087, 0.036, 1.8, 0.087, 0.034
2, 0, 0, 0, 2, 5
2, , 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0
2, 0, 0, NO, 0, 0, NO
5, 0, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0, NO
2, 1, 2, 2, 1e-010, 0, 8.58566, 3.14, 0.3, 0.18, 1, NO, ,
*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
```

```
: OPT1, OPT2, [JOINT] : 2nd line
: [SIZE-A] : 3rd line
: [SIZE-B] : 4th line
: [SIZE-C] : 5th line
: [SIZE-D] : 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgD Esb, DgdDsb, Pgd, Psb : 7th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
PSC
: OPT1, OPT2, [JOINT] : 2nd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] : 4th line
: bWE, [WARPING POINT]-i, [WARPING POINT]-j : 5th line
: [SIZE-A] : 6th line
: [SIZE-B] : 7th line
: [SIZE-C] : 8th line
: [SIZE-D] : 9th line
: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
: [DATA2] : CCSHAPE or iCEL or iN1, iN2
: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
: [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSER1, HUSER, iVERT, VUSER1, VUSER
: [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
1, COMPOSITE, girder(SM490)-1, CT, 1, 0, 0, 0, 0, YES, NO, B
2, 0.013, 1.8, 0.087, 0.015, 1.8, 0.087, 0.015
2, 0, 0, 0, 2, 5
2, , 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0
0
2, 0, 0, NO, 0, 0, NO
5, 0, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0, NO
```

```
: 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, 0.3, 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, 255, 77, 77, 192, 220, 192, NO, 0.5
*STLDCASE : Static Load Cases
: LCNAME, LCTYPE, DESC
1차고정하중, USER,
방음벽, D,
자갈막이벽, D,
콘크리트 도상, D,
점검박스, D,
군중하중, L,
풍하중, D,
궤도, D,
영향계수, USER,
*CONSTRAINT : Supports
: NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
455 457 461, 101001,
456 458 462, 001001,
460, 011001,
459, 111001,
*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, 1, 91, RIGID, 0, NO, 0.5, 0.5,
2, 98, 43, RIGID, 0, NO, 0.5, 0.5,
3, 85, 95, RIGID, 0, NO, 0.5, 0.5,
4, 102, 88, RIGID, 0, NO, 0.5, 0.5,
5, 13, 92, RIGID, 0, NO, 0.5, 0.5,
6, 99, 55, RIGID, 0, NO, 0.5, 0.5,
7, 86, 96, RIGID, 0, NO, 0.5, 0.5,
```

```
8, 103, 89, RIGID, 0, NO, 0.5, 0.5,
9, 28, 93, RIGID, 0, NO, 0.5, 0.5,
10, 100, 70, RIGID, 0, NO, 0.5, 0.5,
11, 87, 97, RIGID, 0, NO, 0.5, 0.5,
12, 104, 90, RIGID, 0, NO, 0.5, 0.5,
13, 40, 94, RIGID, 0, NO, 0.5, 0.5,
14, 101, 82, RIGID, 0, NO, 0.5, 0.5,
15, 457, 43, RIGID, 0, NO, 0.5, 0.5,
16, 461, 43, RIGID, 0, NO, 0.5, 0.5,
17, 455, 1, RIGID, 0, NO, 0.5, 0.5,
18, 459, 1, RIGID, 0, NO, 0.5, 0.5,
19, 460, 40, RIGID, 0, NO, 0.5, 0.5,
20, 456, 40, RIGID, 0, NO, 0.5, 0.5,
21, 462, 82, RIGID, 0, NO, 0.5, 0.5,
22, 458, 82, RIGID, 0, NO, 0.5, 0.5,
: *LOADTOMASS, DIR, bNODAL, bBEAM, bFLOOR, bPRES, GRAV
: LCNAME1, FACTOR1, LCNAME2, FACTOR2, ... : from line 1
*LOADTOMASS, XYZ, YES, YES, YES, YES, 9.806
*USE-STLD, 1차고정하중
: *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1.14,
: End of data for load case [1차고정하중] -----
*USE-STLD, 방음벽
*CONLOAD : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
106, 0, 0, -27.19, 0, 0, 0,
108, 0, 0, -27.19, 0, 0, 0,
111, 0, 0, -27.19, 0, 0, 0,
118, 0, 0, -27.19, 0, 0, 0,
119, 0, 0, -27.19, 0, 0, 0,
126, 0, 0, -27.19, 0, 0, 0,
127, 0, 0, -27.19, 0, 0, 0,
134, 0, 0, -27.19, 0, 0, 0,
135, 0, 0, -27.19, 0, 0, 0,
142, 0, 0, -27.19, 0, 0, 0,
143, 0, 0, -27.19, 0, 0, 0,
150, 0, 0, -27.19, 0, 0, 0,
151, 0, 0, -27.19, 0, 0, 0,
158, 0, 0, -27.19, 0, 0, 0,
159, 0, 0, -27.19, 0, 0, 0,
166, 0, 0, -27.19, 0, 0, 0,
167, 0, 0, -27.19, 0, 0, 0,
174, 0, 0, -27.19, 0, 0, 0,
175, 0, 0, -27.19, 0, 0, 0,
182, 0, 0, -27.19, 0, 0, 0,
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183, 0, 0, -27.19, 0, 0, 0,
190, 0, 0, -27.19, 0, 0, 0,
191, 0, 0, -27.19, 0, 0, 0,
198, 0, 0, -27.19, 0, 0, 0,
199, 0, 0, -27.19, 0, 0, 0,
204, 0, 0, -27.19, 0, 0, 0,
205, 0, 0, -27.19, 0, 0, 0,
212, 0, 0, -27.19, 0, 0, 0,
213, 0, 0, -27.19, 0, 0, 0,
220, 0, 0, -27.19, 0, 0, 0,
221, 0, 0, -27.19, 0, 0, 0,
228, 0, 0, -27.19, 0, 0, 0,
229, 0, 0, -27.19, 0, 0, 0,
236, 0, 0, -27.19, 0, 0, 0,
237, 0, 0, -27.19, 0, 0, 0,
244, 0, 0, -27.19, 0, 0, 0,
245, 0, 0, -27.19, 0, 0, 0,
252, 0, 0, -27.19, 0, 0, 0,
253, 0, 0, -27.19, 0, 0, 0,
260, 0, 0, -27.19, 0, 0, 0,
261, 0, 0, -27.19, 0, 0, 0,
268, 0, 0, -27.19, 0, 0, 0,
269, 0, 0, -27.19, 0, 0, 0,
276, 0, 0, -27.19, 0, 0, 0,
277, 0, 0, -27.19, 0, 0, 0,
284, 0, 0, -27.19, 0, 0, 0,
285, 0, 0, -27.19, 0, 0, 0,
292, 0, 0, -27.19, 0, 0, 0,
293, 0, 0, -27.19, 0, 0, 0,
300, 0, 0, -27.19, 0, 0, 0,
301, 0, 0, -27.19, 0, 0, 0,
308, 0, 0, -27.19, 0, 0, 0,
309, 0, 0, -27.19, 0, 0, 0,
316, 0, 0, -27.19, 0, 0, 0,
317, 0, 0, -27.19, 0, 0, 0,
322, 0, 0, -27.19, 0, 0, 0,
323, 0, 0, -27.19, 0, 0, 0,
330, 0, 0, -27.19, 0, 0, 0,
331, 0, 0, -27.19, 0, 0, 0,
338, 0, 0, -27.19, 0, 0, 0,
339, 0, 0, -27.19, 0, 0, 0,
346, 0, 0, -27.19, 0, 0, 0,
347, 0, 0, -27.19, 0, 0, 0,
354, 0, 0, -27.19, 0, 0, 0,
355, 0, 0, -27.19, 0, 0, 0,
```

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362, 0, 0, -27.19, 0, 0, 0,
363, 0, 0, -27.19, 0, 0, 0,
370, 0, 0, -27.19, 0, 0, 0,
371, 0, 0, -27.19, 0, 0, 0,
378, 0, 0, -27.19, 0, 0, 0,
379, 0, 0, -27.19, 0, 0, 0,
386, 0, 0, -27.19, 0, 0, 0,
387, 0, 0, -27.19, 0, 0, 0,
394, 0, 0, -27.19, 0, 0, 0,
395, 0, 0, -27.19, 0, 0, 0,
402, 0, 0, -27.19, 0, 0, 0,
403, 0, 0, -27.19, 0, 0, 0,
410, 0, 0, -27.19, 0, 0, 0,
411, 0, 0, -27.19, 0, 0, 0,
416, 0, 0, -27.19, 0, 0, 0,
417, 0, 0, -27.19, 0, 0, 0,
424, 0, 0, -27.19, 0, 0, 0,
428, 0, 0, -27.19, 0, 0, 0,
430, 0, 0, -27.19, 0, 0, 0,
433, 0, 0, -27.19, 0, 0, 0,
438, 0, 0, -27.19, 0, 0, 0,
439, 0, 0, -27.19, 0, 0, 0,
444, 0, 0, -27.19, 0, 0, 0,
445, 0, 0, -27.19, 0, 0, 0,
450, 0, 0, -27.19, 0, 0, 0,
: End of data for load case [방음벽] -----
*USE-STLD, 자갈막이벽
*CONLOAD : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
109, 0, 0, -4.9, 0, 0, 0,
110, 0, 0, -4.9, 0, 0, 0,
112, 0, 0, -4.9, 0, 0, 0,
117, 0, 0, -4.9, 0, 0, 0,
120, 0, 0, -4.9, 0, 0, 0,
125, 0, 0, -4.9, 0, 0, 0,
128, 0, 0, -4.9, 0, 0, 0,
133, 0, 0, -4.9, 0, 0, 0,
136, 0, 0, -4.9, 0, 0, 0,
141, 0, 0, -4.9, 0, 0, 0,
144, 0, 0, -4.9, 0, 0, 0,
149, 0, 0, -4.9, 0, 0, 0,
152, 0, 0, -4.9, 0, 0, 0,
157, 0, 0, -4.9, 0, 0, 0,
160, 0, 0, -4.9, 0, 0, 0,
165, 0, 0, -4.9, 0, 0, 0,
```

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168, 0, 0, -4.9, 0, 0, 0,
173, 0, 0, -4.9, 0, 0, 0,
176, 0, 0, -4.9, 0, 0, 0,
181, 0, 0, -4.9, 0, 0, 0,
184, 0, 0, -4.9, 0, 0, 0,
189, 0, 0, -4.9, 0, 0, 0,
192, 0, 0, -4.9, 0, 0, 0,
197, 0, 0, -4.9, 0, 0, 0,
200, 0, 0, -4.9, 0, 0, 0,
203, 0, 0, -4.9, 0, 0, 0,
206, 0, 0, -4.9, 0, 0, 0,
211, 0, 0, -4.9, 0, 0, 0,
214, 0, 0, -4.9, 0, 0, 0,
219, 0, 0, -4.9, 0, 0, 0,
222, 0, 0, -4.9, 0, 0, 0,
227, 0, 0, -4.9, 0, 0, 0,
230, 0, 0, -4.9, 0, 0, 0,
235, 0, 0, -4.9, 0, 0, 0,
238, 0, 0, -4.9, 0, 0, 0,
243, 0, 0, -4.9, 0, 0, 0,
246, 0, 0, -4.9, 0, 0, 0,
251, 0, 0, -4.9, 0, 0, 0,
254, 0, 0, -4.9, 0, 0, 0,
259, 0, 0, -4.9, 0, 0, 0,
262, 0, 0, -4.9, 0, 0, 0,
267, 0, 0, -4.9, 0, 0, 0,
270, 0, 0, -4.9, 0, 0, 0,
275, 0, 0, -4.9, 0, 0, 0,
278, 0, 0, -4.9, 0, 0, 0,
283, 0, 0, -4.9, 0, 0, 0,
286, 0, 0, -4.9, 0, 0, 0,
291, 0, 0, -4.9, 0, 0, 0,
294, 0, 0, -4.9, 0, 0, 0,
299, 0, 0, -4.9, 0, 0, 0,
302, 0, 0, -4.9, 0, 0, 0,
307, 0, 0, -4.9, 0, 0, 0,
310, 0, 0, -4.9, 0, 0, 0,
315, 0, 0, -4.9, 0, 0, 0,
318, 0, 0, -4.9, 0, 0, 0,
321, 0, 0, -4.9, 0, 0, 0,
324, 0, 0, -4.9, 0, 0, 0,
329, 0, 0, -4.9, 0, 0, 0,
332, 0, 0, -4.9, 0, 0, 0,
337, 0, 0, -4.9, 0, 0, 0,
340, 0, 0, -4.9, 0, 0, 0,
```

; End of data for load case [자갈막이벽] -----

*USE-STLD, 콘크리트 도상

*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

107. PRES . PLATE, FACE, LZ, 0, 0, 0, NO, -12.25, 0, 0, 0, 0,
108. PRES . PLATE, FACE, LZ, 0, 0, 0, NO, -12.25, 0, 0, 0, 0,
110. PRES . PLATE, FACE, LZ, 0, 0, 0, NO, -12.25, 0, 0, 0, 0,
111. PRES . PLATE, FACE, LZ, 0, 0, 0, NO, -12.25, 0, 0, 0, 0,

[illegible][illegible][illegible]

: ELEM_LIST, CMD, ETYP, IEDGE, DIR, VX, VY, VZ, PU, P1, P2, GROUP :

483, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -4.17, 0, 0, 0, 0.

573, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -4.17, 0, 0, 0, 0,

633, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -4.17, 0, 0, 0, 0,

[illegible][illegible]

	8.	LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		8.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		9.	LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		9.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		10.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		10.	LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		11.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		11.	LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		12.	LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		12.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		13.	LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		13.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		14.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		14.	LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		15.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		15.	LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		16.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		16.	LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		17.	LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		17.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		18.	LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,
0, 0, NO,		18.	LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,		19.	LINE UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, , NO,

[illegible]

NO,	
64, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
65, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
65, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	
66, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
66, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	
67, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	
67, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
68, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
68, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	
69, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
69, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	
70, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
70, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	
71, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
71, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	
72, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
72, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	
73, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	
73, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
74, LINE	, UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, 0, NO,	
74, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	
75, LINE	, UNILoad, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, , NO, 0, 0,
NO,	

75. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, NO.
76. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
76. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, NO.
77. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
77. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, NO.
78. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, NO.
78. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
79. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
79. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, NO.
80. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
80. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, NO.
81. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, NO.
81. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
82. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
82. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, NO.
83. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
83. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, . NO,
0, 0, NO.
84. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, . NO,
0, 0, NO.
84. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
85. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, 20.318, 1, 20.318, 0, 0, 0, 0, . NO,
0, 0, NO.
85. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, 9.45, 1, 9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
86. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
86. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .

33, 0, 0, -3, 0, 0, 0,
34, 0, 0, -3, 0, 0, 0,
35, 0, 0, -3, 0, 0, 0,
36, 0, 0, -3, 0, 0, 0,
37, 0, 0, -3, 0, 0, 0,
38, 0, 0, -3, 0, 0, 0,
39, 0, 0, -3, 0, 0, 0,
40, 0, 0, -3, 0, 0, 0,
41, 0, 0, -3, 0, 0, 0,
42, 0, 0, -3, 0, 0, 0,
43, 0, 0, -3, 0, 0, 0,
44, 0, 0, -3, 0, 0, 0,
45, 0, 0, -3, 0, 0, 0,
46, 0, 0, -3, 0, 0, 0,
47, 0, 0, -3, 0, 0, 0,
48, 0, 0, -3, 0, 0, 0,
49, 0, 0, -3, 0, 0, 0,
50, 0, 0, -3, 0, 0, 0,
51, 0, 0, -3, 0, 0, 0,
52, 0, 0, -3, 0, 0, 0,
53, 0, 0, -3, 0, 0, 0,
54, 0, 0, -3, 0, 0, 0,
55, 0, 0, -3, 0, 0, 0,
56, 0, 0, -3, 0, 0, 0,
57, 0, 0, -3, 0, 0, 0,
58, 0, 0, -3, 0, 0, 0,
59, 0, 0, -3, 0, 0, 0,
60, 0, 0, -3, 0, 0, 0,
61, 0, 0, -3, 0, 0, 0,
62, 0, 0, -3, 0, 0, 0,
63, 0, 0, -3, 0, 0, 0,
64, 0, 0, -3, 0, 0, 0,
65, 0, 0, -3, 0, 0, 0,
66, 0, 0, -3, 0, 0, 0,
67, 0, 0, -3, 0, 0, 0,
68, 0, 0, -3, 0, 0, 0,
69, 0, 0, -3, 0, 0, 0,
70, 0, 0, -3, 0, 0, 0,
71, 0, 0, -3, 0, 0, 0,
72, 0, 0, -3, 0, 0, 0,
73, 0, 0, -3, 0, 0, 0,
74, 0, 0, -3, 0, 0, 0,
75, 0, 0, -3, 0, 0, 0,
76, 0, 0, -3, 0, 0, 0,
77, 0, 0, -3, 0, 0, 0,

NO, 0, 0, NO.
87. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, NO.
87. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
88. LINE , UNILOAD, GY, NO , NO, aDir[1], . . . , 0, -9.45, 1, -9.45, 0, 0, 0, 0, . NO, 0, 0,
NO.
88. LINE , UNIMOMENT, GX, NO , NO, aDir[1], . . . , 0, -20.318, 1, -20.318, 0, 0, 0, 0, .
NO, 0, 0, NO.
: End of data for load case [풍하중] -----
*USE-STLTD. 궤도
*CONLOAD : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
1, 0, 0, -3, 0, 0, 0,
2, 0, 0, -3, 0, 0, 0,
3, 0, 0, -3, 0, 0, 0,
4, 0, 0, -3, 0, 0, 0,
5, 0, 0, -3, 0, 0, 0,
6, 0, 0, -3, 0, 0, 0,
7, 0, 0, -3, 0, 0, 0,
8, 0, 0, -3, 0, 0, 0,
9, 0, 0, -3, 0, 0, 0,
10, 0, 0, -3, 0, 0, 0,
11, 0, 0, -3, 0, 0, 0,
12, 0, 0, -3, 0, 0, 0,
13, 0, 0, -3, 0, 0, 0,
14, 0, 0, -3, 0, 0, 0,
15, 0, 0, -3, 0, 0, 0,
16, 0, 0, -3, 0, 0, 0,
17, 0, 0, -3, 0, 0, 0,
18, 0, 0, -3, 0, 0, 0,
19, 0, 0, -3, 0, 0, 0,
20, 0, 0, -3, 0, 0, 0,
21, 0, 0, -3, 0, 0, 0,
22, 0, 0, -3, 0, 0, 0,
23, 0, 0, -3, 0, 0, 0,
24, 0, 0, -3, 0, 0, 0,
25, 0, 0, -3, 0, 0, 0,
26, 0, 0, -3, 0, 0, 0,
27, 0, 0, -3, 0, 0, 0,
28, 0, 0, -3, 0, 0, 0,
29, 0, 0, -3, 0, 0, 0,
30, 0, 0, -3, 0, 0, 0,
31, 0, 0, -3, 0, 0, 0,
32, 0, 0, -3, 0, 0, 0,

78, 0, 0, -3, 0, 0, 0,
79, 0, 0, -3, 0, 0, 0,
80, 0, 0, -3, 0, 0, 0,
81, 0, 0, -3, 0, 0, 0,
82, 0, 0, -3, 0, 0, 0,
83, 0, 0, -3, 0, 0, 0,
84, 0, 0, -3, 0, 0, 0,
85, 0, 0, -3, 0, 0, 0,
86, 0, 0, -3, 0, 0, 0,
87, 0, 0, -3, 0, 0, 0,
88, 0, 0, -3, 0, 0, 0,
89, 0, 0, -3, 0, 0, 0,
90, 0, 0, -3, 0, 0, 0,
: End of data for load case [궤도] -----
*USE-STLTD. 영향계수
*CONLOAD : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
41, 0, 0, 0, 0, 1, 0,
42, 0, 0, 0, 0, -1, 0,
83, 0, 0, 0, 0, 1, 0,
84, 0, 0, 0, 0, -1, 0,
: End of data for load case [영향계수] -----
*MVLDCODE : Moving Load Code
: CODE=CODE
CODE=KOREA
*SURFLANE : Traffic Surface Lanes
: NAME=NAME, WIDTH, START, END, MOVING, WS, bLANEOPT, ALLOWWIDTH : line 1
: iNODE1, OFFSET1, FACT1, bSPAN1, ECCVL ... : from line 2
: iNODE1, OFFSET1, dSPAN, dFACT, ... : from line 2
NAME=li1, 1.435, 0, 0, BOTH, 1.435, NO, 0
83, 0, 0.055, YES, 0, 43, 0, 0.055, NO, 0, 44, 0, 0.055, NO, 0
45, 0, 0.055, NO, 0, 46, 0, 0.055, NO, 0, 47, 0, 0.055, NO, 0
48, 0, 0.055, NO, 0, 88, 0, 0.055, NO, 0, 49, 0, 0.055, NO, 0
50, 0, 0.055, NO, 0, 51, 0, 0.055, NO, 0, 52, 0, 0.055, NO, 0
53, 0, 0.055, NO, 0, 54, 0, 0.055, NO, 0, 55, 0, 0.055, NO, 0
56, 0, 0.055, NO, 0, 57, 0, 0.055, NO, 0, 58, 0, 0.055, NO, 0
59, 0, 0.055, NO, 0, 60, 0, 0.055, NO, 0, 61, 0, 0.055, NO, 0
62, 0, 0.055, NO, 0, 89, 0, 0.055, NO, 0, 63, 0, 0.055, NO, 0
64, 0, 0.055, NO, 0, 65, 0, 0.055, NO, 0, 66, 0, 0.055, NO, 0
67, 0, 0.055, NO, 0, 68, 0, 0.055, NO, 0, 69, 0, 0.055, NO, 0
70, 0, 0.055, NO, 0, 71, 0, 0.055, NO, 0, 72, 0, 0.055, NO, 0
73, 0, 0.055, NO, 0, 74, 0, 0.055, NO, 0, 75, 0, 0.055, NO, 0
76, 0, 0.055, NO, 0, 90, 0, 0.055, NO, 0, 77, 0, 0.055, NO, 0
78, 0, 0.055, NO, 0, 79, 0, 0.055, NO, 0, 80, 0, 0.055, NO, 0
81, 0, 0.055, NO, 0, 82, 0, 0.055, NO, 0, 84, 0, 0.055, YES, 0

NAME=li2, 1.435, 0, 0, BOTH, 1.435, NO, 0
41, 0, 0.055, YES, 0, 1, 0, 0.055, NO, 0, 2, 0, 0.055, NO, 0
3, 0, 0.055, NO, 0, 4, 0, 0.055, NO, 0, 5, 0, 0.055, NO, 0
6, 0, 0.055, NO, 0, 85, 0, 0.055, NO, 0, 7, 0, 0.055, NO, 0
8, 0, 0.055, NO, 0, 9, 0, 0.055, NO, 0, 10, 0, 0.055, NO, 0
11, 0, 0.055, NO, 0, 12, 0, 0.055, NO, 0, 13, 0, 0.055, NO, 0
14, 0, 0.055, NO, 0, 15, 0, 0.055, NO, 0, 16, 0, 0.055, NO, 0
17, 0, 0.055, NO, 0, 18, 0, 0.055, NO, 0, 19, 0, 0.055, NO, 0
20, 0, 0.055, NO, 0, 86, 0, 0.055, NO, 0, 21, 0, 0.055, NO, 0
22, 0, 0.055, NO, 0, 23, 0, 0.055, NO, 0, 24, 0, 0.055, NO, 0
25, 0, 0.055, NO, 0, 26, 0, 0.055, NO, 0, 27, 0, 0.055, NO, 0
28, 0, 0.055, NO, 0, 29, 0, 0.055, NO, 0, 30, 0, 0.055, NO, 0
31, 0, 0.055, NO, 0, 32, 0, 0.055, NO, 0, 33, 0, 0.055, NO, 0
34, 0, 0.055, NO, 0, 87, 0, 0.055, NO, 0, 35, 0, 0.055, NO, 0
36, 0, 0.055, NO, 0, 37, 0, 0.055, NO, 0, 38, 0, 0.055, NO, 0
39, 0, 0.055, NO, 0, 40, 0, 0.055, NO, 0, 42, 0, 0.055, YES, 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

standard (others)
: NAME=NAME, 2, 1, [AF7] :
user(Type 1)
: [LOAD7], D, PHI, TPSY, UPSY :
user(Type 1): line 2
: NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1, P2, D2, ... :
user(Type 2)
: NAME=NAME, 2, 3 :
user(Type 3)
: [LOADCASE1] :
user(Type 3): line 2
: [LOADCASE2] :
user(Type 3): line 3
: [LOADCASE3] :
user(Type 3): line 4
: NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI, F, P1, D1, P2, D2, ... :
user(Type 4)
: NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2 :
user(Type 5)
: [VEHICLE1] :
user(Type 5): line 2
: [VEHICLE2] :
user(Type 5): line 3
: [VEHICLE3] :
user(Type 5): line 4
: [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4 :
adjustment factor
: [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4 :
tandem/udl loads
: [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2, ... : load
case
: [VEHICLE] : bUSE, N, P1, L1, P2, L2, ... : vehicle
: if Moving Load Code is RUSSIA
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC :
: standard (SK)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC :
: standard (SK FATIGUE)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL :

: bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1[3], s1_UDL[3] :
standard (AK)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC, :

: bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT :
: standard (N14)

: NAME=NAME, 1, 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 :

: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC, :

: bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT :
: standard (N11)
: NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR :

: bFATI, nLOADFAC, dLOADFAC, :
standard (SUBWAY TRAINS)
: NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC, dDYNAFAC, dEMPTYCAR :

: bFATI, nLOADFAC, dLOADFAC, :
standard (TRAMCARS)
: NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC :
: standard (NK-80)
: NAME=NAME, 1, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC :
: standard (NG-60)
: NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC :
: standard (UNIFORM LOAD)
: NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC :
: standard (UNIFORM LOAD(W/O OTHER LOADS))
: NAME=NAME, 1, iTYPE, BRIDGETYPE, P :
standard (CONCENTRATED LOAD (W/O OTHER LOADS))
: NAME=NAME, 2, iTYPE, W, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL :

: bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1[3], s1_UDL[3] :
user (Type 1)
: NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR :

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

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

: bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT :
: user (Type 5)
: NAME=NAME, 2, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC :
: user (Type 6)
: NAME=NAME, 2, iTYPE, P, W, bFATI, nLOADFAC, dLOADFAC :
user (Type 7)

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: if Moving Load Code is KSCE-LSD15
: NAME=NAME, 1, TYPE-NAME, nLANETYPE, dDYNAFAC, CODE, nLANELOAD, L,
CONVERTDIST : standard
: NAME=NAME, 2, 8, L1, W1, W2, EXP, dDYNAFAC, nLANELOAD, L, CONVERTDIST
: user: line 1 (Type 1)
: NAME=NAME, 2, 1, W1, W2, D1, D2, 0, 0, 0, NO
: user: line 1 (Type 2)
: NAME=NAME, 2, 6, LOADNUM, DIST, W, L, 0, 0, 0, NO
: user: line 1 (Type 3)
: LOAD1, DIST1, (DIST2_1), LOAD2, DIST2, (DIST2_2), ... : user:
from line 2
: if Moving Load Code is South Africa
: NAME=NAME, 1, TYPE-NAME, CODE, bINCREL, dINCREL
standard NA
: NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM
standard NB
: NAME=NAME, 1, TYPE-NAME, CODE, OPPOSITE
standard NC
: NAME=NAME, 2, TYPE, W1, L, W2, W3, PA, bINCREL, dINCREL
user NA
: NAME=NAME, 2, TYPE, PB, UNITNUM, DELTA, D1, D2
user NB
: NAME=NAME, 2, TYPE, P, OPPOSITE, NUM1, NUM2, NUM3 [DIST1], [DIST2], [DIST3]
user NC
: if Load Type is Permit Truck
: NAME=NAME, 3, AXLE-TYPE-NUM, 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=EL-18, 1, EL-18, 0, KS-TR
*MVLD_CASE : Moving Load Cases
: NAME=NAME, nLCTYPE, SCALE1, SCALE2, SCALE3, SCALE4, SCALE5, SCALE6, COMB, DESC,
LCOM, SERIAL : 1st line
: nLCTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1, 3LFACTOR2, 3LFACTOR3, 3LFACTOR4

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: 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
3, CONC, C210, 1, KS-Civil(RC), C210, NO, 1, . . . , 0, 0,
0, NO, 0, 0, . . . , 0, NO, 1, . . . , 0, 0, 0
*SECTION MANAGER-GROUP & PART : Section Manager - Group & Part
: SECT = NO, bSAME] : 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=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
*SECTION MANAGER-STIFFENER : Section Manager - Stiffener
: SECT = NO, bSAME] : 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

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: 2st line
: TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1, LANE11, LANE12, ...
: 3nd line
: ...
: TYPEEn, VCLASSn, SCALEn, iMINn, iMAXn, LANEEn1, LANEEn2, ...
: n+1th line
: NAME=NAME, nLCTYPE, VEHICLE, REFLANE, ECCEN, SCALE, DESC
: Permit
: NAME=NAME, nLCTYPE, DESC, bOPTIM, SUBLANEW, MINSPACING, MARGIN, LANE, MINNUM,
MAXNUM, SERIAL : Traffic Lane Optimization
: TYPE1, VCLASS1, SCALE1...
: Traffic Lane Optimization 1st line
: ...
Traffic Lane Optimization ...
: TYPEEn, VCLASSn, SCALEEn...
: Traffic Lane Optimization n+1th line
NAME=tl, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, 열차, 0, 1
1, 1, 1, 1, 0.5, 0.25
VL, EL-18, 1, 1, 2, li1, li2
*LOADCOMB : Combinations
: NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE : line 1
: ANAL1, LCNAME1, FACT1, ... : from line 2
NAME=2차고정허중, GEN, ACTIVE, 0, 0, . 0, 0
ST, 방음벽, 1, ST, 자갈막이벽, 1, ST, 콘크리트 도상, 1, ST, 점점박스, 1
ST, 궤도, 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, 1차고정하중, 0, 128, 192, 93, 255, 87, 255, 0, 128
ST, 풍하중, 255, 87, 128, 192, 192, 0, 255, 87, 87
MV, tl, 0, 128, 57, 192, 0, 192, 0, 157, 192
ST, 방음벽, 0, 128, 57, 0, 192, 192, 93, 255, 87
ST, 자갈막이벽, 255, 192, 87, 192, 128, 0, 85, 0, 192
ST, 콘크리트 도상, 160, 192, 255, 0, 192, 192, 0, 192, 192
ST, 점점박스, 255, 87, 87, 210, 210, 210, 163, 255, 160
ST, 군중하중, 255, 255, 87, 212, 160, 255, 78, 0, 255
ST, 궤도, 255, 192, 87, 255, 255, 87, 0, 128, 255
CB, 2차고정허중, 85, 192, 0, 192, 72, 0, 128, 192, 0
ST, 영항계수, 192, 72, 0, 160, 192, 255, 0, 157, 192
*ANAL-CTRL
: bARDC, bANRC, iITER, TOL, bCSECF, bTRS, bCRBAR, bTPPF, bCSO, bSCS, bCLATS
YES, YES, 20, 0.001, YES, YES, YES, NO, NO, NO, NO, NO
*DGN-MATL : Modify Steel(Concrete) Material
: iMAT, TYPE, MNAME, [DATA1] : STEEL

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: LINESIZE, LINEINDEX[i]..... : line n
: ..... :
SECT=1, YES
0, 0
SECT=3, YES
0, 0
SECT=4, YES
0, 0
SECT=5, YES
0, 0
SECT=6, YES
0, 0
*ENDDATA

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