

■ 소강천교

1) 합성 전

< BEFORE COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=H

FORCE=H

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 2.747 Y=0.278 Z=0.000
3 X= 7.744 Y=0.772 Z=0.000
4 X= 12.742 Y=1.254 Z=0.000
5 X= 17.741 Y=1.722 Z=0.000
6 X= 22.741 Y=2.178 Z=0.000
7 X= 27.743 Y=2.620 Z=0.000
8 X= 32.746 Y=3.049 Z=0.000
9 X= 37.749 Y=3.464 Z=0.000
10 X= 42.758 Y=3.867 Z=0.000
11 X= 47.760 Y=4.256 Z=0.000
12 X= 52.767 Y=4.633 Z=0.000
13 X= 57.775 Y=4.996 Z=0.000
14 X= 62.784 Y=5.345 Z=0.000
15 X= 67.794 Y=5.682 Z=0.000
16 X= 72.804 Y=6.006 Z=0.000
17 X= 77.816 Y=6.316 Z=0.000
18 X= 82.828 Y=6.613 Z=0.000
19 X= 87.841 Y=6.897 Z=0.000
20 X= 92.858 Y=7.168 Z=0.000
21 X= 97.869 Y=7.425 Z=0.000
22 X= 102.884 Y=7.670 Z=0.000
23 X= 107.900 Y=7.901 Z=0.000
24 X= 112.916 Y=8.119 Z=0.000
25 X= 117.933 Y=8.324 Z=0.000
26 X= 122.951 Y=8.515 Z=0.000
27 X= 127.968 Y=8.694 Z=0.000
28 X= 132.987 Y=8.859 Z=0.000
29 X= 138.006 Y=9.011 Z=0.000
30 X= 143.028 Y=9.149 Z=0.000
31 X= 148.044 Y=9.275 Z=0.000
32 X= 153.064 Y=9.387 Z=0.000
33 X= 158.084 Y=9.486 Z=0.000
34 X= 163.104 Y=9.572 Z=0.000
35 X= 168.125 Y=9.645 Z=0.000
36 X= 173.146 Y=9.704 Z=0.000
37 X= 178.166 Y=9.751 Z=0.000
38 X= 183.187 Y=9.784 Z=0.000
39 X= 188.208 Y=9.803 Z=0.000
40 X= 193.233 Y=9.810 Z=0.000
41 X= 198.250 Y=9.803 Z=0.000
42 X= 203.271 Y=9.784 Z=0.000
43 X= 208.292 Y=9.751 Z=0.000
44 X= 213.313 Y=9.704 Z=0.000
45 X= 218.334 Y=9.645 Z=0.000
46 X= 223.354 Y=9.572 Z=0.000
47 X= 228.375 Y=9.486 Z=0.000
48 X= 233.395 Y=9.387 Z=0.000
49 X= 238.415 Y=9.275 Z=0.000
50 X= 243.437 Y=9.149 Z=0.000
51 X= 248.453 Y=9.011 Z=0.000
52 X= 253.472 Y=8.859 Z=0.000
53 X= 258.490 Y=8.694 Z=0.000
54 X= 263.508 Y=8.515 Z=0.000
55 X= 268.526 Y=8.324 Z=0.000
56 X= 273.540 Y=8.119 Z=0.000
57 X= 278.559 Y=7.901 Z=0.000
58 X= 283.575 Y=7.670 Z=0.000
59 X= 288.590 Y=7.426 Z=0.000
60 X= 293.607 Y=7.168 Z=0.000
61 X= 298.616 Y=6.897 Z=0.000
62 X= 303.631 Y=6.614 Z=0.000
63 X= 308.643 Y=6.316 Z=0.000
64 X= 313.655 Y=6.006 Z=0.000

65 X= 318.665 Y=5.683 Z=0.000
66 X= 323.675 Y=5.346 Z=0.000
67 X= 328.684 Y=4.996 Z=0.000
68 X= 333.692 Y=4.633 Z=0.000
69 X= 338.699 Y=4.257 Z=0.000
70 X= 343.708 Y=3.867 Z=0.000
71 X= 348.709 Y=3.465 Z=0.000
72 X= 353.713 Y=3.049 Z=0.000
73 X= 358.716 Y=2.620 Z=0.000
74 X= 363.718 Y=2.178 Z=0.000
75 X= 368.718 Y=1.723 Z=0.000
76 X= 373.717 Y=1.255 Z=0.000
77 X= 378.715 Y=0.773 Z=0.000
78 X= 383.712 Y=0.278 Z=0.000
79 X= 386.465 Y=0.000 Z=0.000
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81 X= 3.476 Y=-6.986 Z=-0.293
82 X= 6.454 Y=-6.493 Z=-0.293
83 X= 13.432 Y=-6.013 Z=-0.293
84 X= 18.412 Y=-5.547 Z=-0.293
85 X= 23.394 Y=-5.093 Z=-0.293
86 X= 28.376 Y=-4.653 Z=-0.293
87 X= 33.360 Y=-4.226 Z=-0.293
88 X= 38.344 Y=-3.811 Z=-0.293
89 X= 43.333 Y=-3.410 Z=-0.293
90 X= 48.317 Y=-3.022 Z=-0.293
91 X= 53.305 Y=-2.648 Z=-0.293
92 X= 58.293 Y=-2.286 Z=-0.293
93 X= 63.283 Y=-1.937 Z=-0.293
94 X= 68.274 Y=-1.602 Z=-0.293
95 X= 73.265 Y=-1.280 Z=-0.293
96 X= 78.257 Y=-0.971 Z=-0.293
97 X= 83.250 Y=-0.675 Z=-0.293
98 X= 88.244 Y=-0.392 Z=-0.293
99 X= 93.242 Y=-0.122 Z=-0.293
100 X= 98.239 Y=0.134 Z=-0.293
101 X= 103.230 Y=0.378 Z=-0.293
102 X= 108.226 Y=0.608 Z=-0.293
103 X= 113.224 Y=0.825 Z=-0.293
104 X= 118.221 Y=1.029 Z=-0.293
105 X= 123.219 Y=1.220 Z=-0.293
106 X= 128.218 Y=1.398 Z=-0.293
107 X= 133.217 Y=1.562 Z=-0.293
108 X= 138.217 Y=1.714 Z=-0.293
109 X= 143.220 Y=1.852 Z=-0.293
110 X= 148.217 Y=1.977 Z=-0.293
111 X= 153.218 Y=2.089 Z=-0.293
112 X= 158.219 Y=2.187 Z=-0.293
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123 X= 213.236 Y=2.405 Z=-0.293
124 X= 218.238 Y=2.346 Z=-0.293
125 X= 223.239 Y=2.273 Z=-0.293
126 X= 228.240 Y=2.188 Z=-0.293
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131 X= 253.242 Y=1.563 Z=-0.293
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133 X= 263.239 Y=1.220 Z=-0.293
134 X= 268.238 Y=1.030 Z=-0.293
135 X= 273.235 Y=0.826 Z=-0.293
136 X= 278.232 Y=0.608 Z=-0.293
137 X= 283.229 Y=0.378 Z=-0.293

138 X= 288.225 Y=0.135 Z=-0.293
139 X= 293.223 Y=-0.122 Z=-0.293
140 X= 298.215 Y=-0.391 Z=-0.293
141 X= 303.208 Y=-0.674 Z=-0.293
142 X= 308.202 Y=-0.970 Z=-0.293
143 X= 313.194 Y=-1.279 Z=-0.293
144 X= 318.185 Y=-1.602 Z=-0.293
145 X= 323.176 Y=-1.937 Z=-0.293
146 X= 328.166 Y=-2.286 Z=-0.293
147 X= 333.154 Y=-2.647 Z=-0.293
148 X= 338.142 Y=-3.022 Z=-0.293
149 X= 343.132 Y=-3.410 Z=-0.293
150 X= 348.115 Y=-3.811 Z=-0.293
151 X= 353.099 Y=-4.225 Z=-0.293
152 X= 358.083 Y=-4.652 Z=-0.293
153 X= 363.065 Y=-5.093 Z=-0.293
154 X= 368.046 Y=-5.546 Z=-0.293
155 X= 373.027 Y=-6.013 Z=-0.293
156 X= 378.005 Y=-6.492 Z=-0.293
157 X= 382.983 Y=-6.985 Z=-0.293
158 X= 387.973 Y=-7.262 Z=-0.293
159 X= 0.371 Y=-3.631 Z=-0.146
160 X= 3.112 Y=-3.354 Z=-0.146
161 X= 6.099 Y=-2.860 Z=-0.147
162 X= 13.087 Y=-2.380 Z=-0.146
163 X= 18.077 Y=-1.912 Z=-0.147
164 X= 23.067 Y=-1.458 Z=-0.147
165 X= 28.059 Y=-1.017 Z=-0.146
166 X= 33.053 Y=-0.589 Z=-0.146
167 X= 38.047 Y=-0.174 Z=-0.146
168 X= 43.045 Y=0.229 Z=-0.147
169 X= 48.038 Y=0.617 Z=-0.146
170 X= 53.036 Y=0.992 Z=-0.147
171 X= 58.034 Y=1.355 Z=-0.146
172 X= 63.033 Y=1.704 Z=-0.147
173 X= 68.034 Y=2.040 Z=-0.147
174 X= 73.035 Y=2.363 Z=-0.146
175 X= 78.036 Y=2.673 Z=-0.147
176 X= 83.039 Y=2.969 Z=-0.146
177 X= 88.043 Y=3.253 Z=-0.146
178 X= 93.050 Y=3.523 Z=-0.147
179 X= 98.052 Y=3.780 Z=-0.146
180 X= 103.057 Y=4.024 Z=-0.147
181 X= 108.063 Y=4.255 Z=-0.146
182 X= 113.070 Y=4.472 Z=-0.147
183 X= 118.077 Y=4.676 Z=-0.146
184 X= 123.085 Y=4.868 Z=-0.146
185 X= 128.093 Y=5.046 Z=-0.147
186 X= 133.102 Y=5.210 Z=-0.146
187 X= 138.111 Y=5.362 Z=-0.146
188 X= 143.124 Y=5.501 Z=-0.146
189 X= 148.131 Y=5.626 Z=-0.146
190 X= 153.141 Y=5.738 Z=-0.146
191 X= 158.151 Y=5.837 Z=-0.146
192 X= 163.162 Y=5.923 Z=-0.147
193 X= 168.173 Y=5.995 Z=-0.147
194 X= 173.184 Y=6.055 Z=-0.146
195 X= 178.195 Y=6.101 Z=-0.147
196 X= 183.207 Y=6.134 Z=-0.147
197 X= 188.218 Y=6.153 Z=-0.147
198 X= 193.233 Y=6.160 Z=-0.147
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203 X= 218.286 Y=5.995 Z=-0.147
204 X= 223.297 Y=5.923 Z=-0.147
205 X= 228.308 Y=5.837 Z=-0.147
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210 X= 253.357 Y=5.211 Z=-0.147

211 X= 258.366 Y=5.046 Z=-0.146
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213 X= 268.382 Y=4.677 Z=-0.147
214 X= 273.389 Y=4.472 Z=-0.146
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216 X= 283.402 Y=4.024 Z=-0.147
217 X= 288.407 Y=3.780 Z=-0.147
218 X= 293.415 Y=3.523 Z=-0.147
219 X= 298.416 Y=3.253 Z=-0.146
220 X= 303.420 Y=2.970 Z=-0.146
221 X= 308.422 Y=2.673 Z=-0.147
222 X= 313.424 Y=2.363 Z=-0.147
223 X= 318.425 Y=2.040 Z=-0.146
224 X= 323.425 Y=1.704 Z=-0.147
225 X= 328.425 Y=1.355 Z=-0.146
226 X= 333.423 Y=0.993 Z=-0.146
227 X= 338.420 Y=0.617 Z=-0.146
228 X= 343.420 Y=0.229 Z=-0.146
229 X= 348.412 Y=-0.173 Z=-0.147
230 X= 353.406 Y=-0.588 Z=-0.146
231 X= 358.399 Y=-1.016 Z=-0.146
232 X= 363.391 Y=-1.457 Z=-0.147
233 X= 368.382 Y=-1.912 Z=-0.146
234 X= 373.372 Y=-2.379 Z=-0.147
235 X= 378.360 Y=-2.860 Z=-0.147
236 X= 383.347 Y=-3.353 Z=-0.146
237 X= 388.094 Y=-3.631 Z=-0.146
238 X= 0.000 Y=0.000 Z=-0.800
239 X= -0.097 Y=0.945 Z=-0.800
240 X= 0.097 Y=-0.945 Z=-0.800
241 X= 42.758 Y=3.867 Z=-1.300
242 X= 42.692 Y=4.697 Z=-1.300
243 X= 42.823 Y=3.038 Z=-1.300
244 X= 92.858 Y=7.168 Z=-1.300
245 X= 92.814 Y=7.999 Z=-1.300
246 X= 92.902 Y=6.337 Z=-1.300
247 X= 143.028 Y=9.149 Z=-1.300
248 X= 143.006 Y=9.981 Z=-1.300
249 X= 143.050 Y=8.318 Z=-1.300
250 X= 193.233 Y=9.810 Z=-1.300
251 X= 193.233 Y=10.642 Z=-1.300
252 X= 193.233 Y=9.978 Z=-1.300
253 X= 243.437 Y=9.149 Z=-1.300
254 X= 243.459 Y=9.981 Z=-1.300
255 X= 243.416 Y=8.318 Z=-1.300
256 X= 293.607 Y=7.168 Z=-1.300
257 X= 293.651 Y=7.999 Z=-1.300
258 X= 293.564 Y=6.337 Z=-1.300
259 X= 343.708 Y=3.867 Z=-1.300
260 X= 343.773 Y=4.697 Z=-1.300
261 X= 343.642 Y=3.038 Z=-1.300
262 X= 386.465 Y=0.000 Z=-0.800
263 X= 0.742 Y=-7.262 Z=-1.093
264 X= 0.645 Y=-6.317 Z=-1.093
265 X= 0.839 Y=-8.207 Z=-1.093
266 X= 43.333 Y=-3.410 Z=-1.593
267 X= 43.268 Y=-2.581 Z=-1.593
268 X= 43.399 Y=-4.240 Z=-1.593
269 X= 93.242 Y=-0.122 Z=-1.593
270 X= 93.198 Y=0.709 Z=-1.593
271 X= 93.286 Y=-0.953 Z=-1.593
272 X= 143.220 Y=1.852 Z=-1.593
273 X= 143.198 Y=2.684 Z=-1.593
274 X= 143.242 Y=1.020 Z=-1.593
275 X= 193.233 Y=2.510 Z=-1.593
276 X= 193.233 Y=3.342 Z=-1.593
277 X= 193.233 Y=1.678 Z=-1.593
278 X= 243.245 Y=1.852 Z=-1.593
279 X= 243.267 Y=2.684 Z=-1.593
280 X= 243.223 Y=1.020 Z=-1.593
281 X= 293.223 Y=-0.122 Z=-1.593
282 X= 293.267 Y=0.709 Z=-1.593
283 X= 293.180 Y=-0.953 Z=-1.593

284 X= 343.132 Y=-3.410 Z=-1.593
285 X= 343.190 Y=-2.581 Z=-1.593
286 X= 343.086 Y=-4.240 Z=-1.593
287 X= 385.723 Y=-7.262 Z=-1.093

LOCAL

ADD= 239 ANG=0.217
ADD= 240 ANG=0.778
ADD= 242 ANG=-0.516
ADD= 243 ANG=0.116
ADD= 245 ANG=-2.855
ADD= 246 ANG=-1.710
ADD= 248 ANG=-7.530
ADD= 249 ANG=-5.662
ADD= 251 ANG=0.000
ADD= 252 ANG=0.000
ADD= 254 ANG=-1.508
ADD= 255 ANG=-1.508
ADD= 257 ANG=6.022
ADD= 258 ANG=4.155
ADD= 260 ANG=-1.147
ADD= 261 ANG=0.202
ADD= 262 ANG=-1.074
ADD= 264 ANG=2.377
ADD= 265 ANG=2.941
ADD= 267 ANG=1.627
ADD= 268 ANG=2.262
ADD= 270 ANG=0.555
ADD= 271 ANG=1.508
ADD= 273 ANG=0.754
ADD= 274 ANG=0.754
ADD= 276 ANG=0.000
ADD= 277 ANG=0.000
ADD= 279 ANG=-1.508
ADD= 280 ANG=-1.508
ADD= 282 ANG=-2.262
ADD= 283 ANG=-2.262
ADD= 285 ANG=-2.063
ADD= 286 ANG=-3.016
ADD= 287 ANG=-3.326

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ADD= 252 DOF= U1, U3,
ADD= 254 DOF= U1, U3,
ADD= 255 DOF= U1, U3,
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ADD= 258 DOF= U3,
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ADD= 261 DOF= U3,
ADD= 262 DOF= U3,
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ADD= 265 DOF= U2, U3,
ADD= 267 DOF= U2, U3,
ADD= 268 DOF= U2, U3,
ADD= 270 DOF= U2, U3,
ADD= 271 DOF= U2, U3,
ADD= 273 DOF= U2, U3,
ADD= 274 DOF= U2, U3,
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ADD= 279 DOF= U1, U2, U3,
ADD= 280 DOF= U1, U2, U3,
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ADD= 283 DOF= U2, U3,

ADD= 285 DOF= U2, U3,
ADD= 286 DOF= U2, U3,
ADD= 287 DOF= U2, U3,

MATERIAL

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Name=27
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FRAME SECTION

Name= 1 Mat= 1 A=0.11540 I=0.05839717, 0.09677622 J=0.08700092 : GIRDER
Name= 2 Mat= 2 A=0.11940 I=0.07521463, 0.10307635 J=0.10438132 : GIRDER
Name= 3 Mat= 3 A=0.14132 I=0.09354369, 0.11679023 J=0.12187068 : GIRDER
Name= 4 Mat= 4 A=0.13036 I=0.08416846, 0.10993329 J=0.11495373 : GIRDER
Name= 5 Mat= 5 A=0.15394 I=0.10762878, 0.12713611 J=0.12963718 : GIRDER
Name= 6 Mat= 6 A=0.18332 I=0.13489607, 0.15183882 J=0.16743032 : GIRDER
Name= 7 Mat= 7 A=0.20060 I=0.26782308, 0.17909885 J=0.26079879 : GIRDER
Name= 8 Mat= 8 A=0.16140 I=0.11466397, 0.13812494 J=0.15270401 : GIRDER
Name= 9 Mat= 9 A=0.13036 I=0.08416846, 0.10993329 J=0.11495373 : GIRDER
Name= 10 Mat= 10 A=0.12696 I=0.08030072, 0.10655228 J=0.10597931 : GIRDER
Name= 11 Mat= 11 A=0.12488 I=0.07867811, 0.10654162 J=0.11028916 : GIRDER
Name= 12 Mat= 12 A=0.11940 I=0.07500614, 0.10307635 J=0.10597931 : GIRDER

Name= 13 Mat= 13 A=0.15228 I=0.10260201, 0.12364717 J=0.12963718 : GIRDER
Name= 14 Mat= 14 A=0.16688 I=0.1195146, 0.14155341 J=0.15648882 : GIRDER
Name= 15 Mat= 15 A=0.18594 I=0.24867332, 0.17294191 J=0.25188226 : GIRDER
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Name= 21 Mat= 21 A=0.15228 I=0.10260201, 0.12364717 J=0.12963718 : GIRDER
Name= 22 Mat= 22 A=0.19512 I=0.25730120, 0.17567038 J=0.25626635 : GIRDER
Name= 23 Mat= 23 A=0.17784 I=0.12929170, 0.14841035 J=0.16387340 : GIRDER
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Name= 25 Mat= 25 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : CROSSBEAM
Name= 26 Mat= 26 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : STRINGER
Name= 27 Mat= 27 A=10.00000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
Name= 28 Type=Nonpr Sec= 1, 2 Elvar=2.1
Name= 29 Type=Nonpr Sec= 2, 1
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Name= 69 Type=Nonpr Sec= 21, 4
Name= 70 Type=Nonpr Sec= 21, 20
Name= 71 Type=Nonpr Sec= 22, 23
Name= 72 Type=Nonpr Sec= 23, 5
Name= 73 Type=Nonpr Sec= 23, 24
Name= 74 Type=Nonpr Sec= 24, 4

FRAME

1 J= 1, 2 Sec=28 Local=12 Pdir=X,Z NSEG=4
2 J= 2, 3 Sec=30
3 J= 3, 4 Sec= 3
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec= 3
6 J= 6, 7 Sec=32
7 J= 7, 8 Sec=34
8 J= 8, 9 Sec=39
9 J= 9, 10 Sec=40

10 J= 10, 11 Sec=41
11 J= 11, 12 Sec=42
12 J= 12, 13 Sec=45
13 J= 13, 14 Sec=47
14 J= 14, 15 Sec=11
15 J= 15, 16 Sec=49
16 J= 16, 17 Sec=51
17 J= 17, 18 Sec=36
18 J= 18, 19 Sec=54
19 J= 19, 20 Sec=56
20 J= 20, 21 Sec=59
21 J= 21, 22 Sec=61
22 J= 22, 23 Sec=62
23 J= 23, 24 Sec=49
24 J= 24, 25 Sec=52
25 J= 25, 26 Sec=11
26 J= 26, 27 Sec=50
27 J= 27, 28 Sec=64
28 J= 28, 29 Sec=65
29 J= 29, 30 Sec=56
30 J= 30, 31 Sec=60
31 J= 31, 32 Sec=68
32 J= 32, 33 Sec=69
33 J= 33, 34 Sec=35
34 J= 34, 35 Sec=52
35 J= 35, 36 Sec=11
36 J= 36, 37 Sec=50
37 J= 37, 38 Sec=64
38 J= 38, 39 Sec=65
39 J= 39, 40 Sec=56
40 J= 40, 41 Sec=59
41 J= 41, 42 Sec=57
42 J= 42, 43 Sec=66
43 J= 43, 44 Sec=63
44 J= 44, 45 Sec=11
45 J= 45, 46 Sec=49
46 J= 46, 47 Sec=51
47 J= 47, 48 Sec=37
48 J= 48, 49 Sec=70
49 J= 49, 50 Sec=67
50 J= 50, 51 Sec=59
51 J= 51, 52 Sec=57
52 J= 52, 53 Sec=66
53 J= 53, 54 Sec=63
54 J= 54, 55 Sec=11
55 J= 55, 56 Sec=49
56 J= 56, 57 Sec=51
57 J= 57, 58 Sec=37
58 J= 58, 59 Sec=70
59 J= 59, 60 Sec=67
60 J= 60, 61 Sec=59
61 J= 61, 62 Sec=55
62 J= 62, 63 Sec=53
63 J= 63, 64 Sec=35
64 J= 64, 65 Sec=52
65 J= 65, 66 Sec=11
66 J= 66, 67 Sec=46
67 J= 67, 68 Sec=46
68 J= 68, 69 Sec=44
69 J= 69, 70 Sec=43
70 J= 70, 71 Sec=71
71 J= 71, 72 Sec=73
72 J= 72, 73 Sec=74
73 J= 73, 74 Sec=33
74 J= 74, 75 Sec= 3
75 J= 75, 76 Sec= 3
76 J= 76, 77 Sec= 3
77 J= 77, 78 Sec=31
78 J= 78, 79 Sec=29
79 J= 80, 81 Sec=28
80 J= 81, 82 Sec=30
81 J= 82, 83 Sec= 3
82 J= 83, 84 Sec= 3

229	J= 37, 195	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
230	J=195, 116	Sec25	IOFF=1.250	JOFF=1.250	RGD=1.0
231	J= 38, 196	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
232	J=196, 117	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
233	J= 39, 197	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
234	J=197, 118	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
235	J= 40, 198	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
236	J=198, 119	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
237	J= 41, 199	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
238	J=199, 120	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
239	J= 42, 200	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
240	J=200, 121	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
241	J= 43, 201	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
242	J=201, 122	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
243	J= 44, 202	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
244	J=202, 123	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
245	J= 45, 203	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
246	J=203, 124	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
247	J= 46, 204	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
248	J=204, 125	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
249	J= 47, 205	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
250	J=205, 126	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
251	J= 48, 206	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
252	J=206, 127	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
253	J= 49, 207	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
254	J=207, 128	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
255	J= 50, 208	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
256	J=208, 129	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
257	J= 51, 209	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
258	J=209, 130	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
259	J= 52, 210	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
260	J=210, 131	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
261	J= 53, 211	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
262	J=211, 132	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
263	J= 54, 212	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
264	J=212, 133	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
265	J= 55, 213	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
266	J=213, 134	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
267	J= 56, 214	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
268	J=214, 135	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
269	J= 57, 215	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
270	J=215, 136	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
271	J= 58, 216	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
272	J=216, 137	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
273	J= 59, 217	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
274	J=217, 138	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
275	J= 60, 218	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
276	J=218, 139	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
277	J= 61, 219	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
278	J=219, 140	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
279	J= 62, 220	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
280	J=220, 141	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
281	J= 63, 221	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
282	J=221, 142	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
283	J= 64, 222	Sec25	IOFF=1.250	JOFF=0.000	RGD=1.0
284	J=222, 143	Sec25	IOFF=0.000	JOFF=1.250	RGD=1.0
285	J= 65, 223	Sec25	IOFF=1.250	JOFF=0.000	

302	J=231, 152	Sec=25	IOFF=0.000	JOFF=1.250	RQID=1.0
303	J=74, 132	Sec=25	IOFF=1.250	JOFF=0.000	RQID=1.0
304	J=232, 153	Sec=25	IOFF=0.000	JOFF=1.250	RQID=1.0
305	J=75, 233	Sec=25	IOFF=1.250	JOFF=0.000	RQID=1.0
306	J=76, 154	Sec=25	IOFF=0.000	JOFF=1.250	RQID=1.0
307	J=76, 234	Sec=25	IOFF=1.250	JOFF=0.000	RQID=1.0
308	J=234, 155	Sec=25	IOFF=0.000	JOFF=1.250	RQID=1.0
309	J=77, 235	Sec=25	IOFF=1.250	JOFF=0.000	RQID=1.0
310	J=235, 156	Sec=25	IOFF=0.000	JOFF=1.250	RQID=1.0
311	J=78, 236	Sec=25	IOFF=1.250	JOFF=0.000	RQID=1.0
312	J=236, 157	Sec=25	IOFF=0.000	JOFF=1.250	RQID=1.0
313	J=79, 237	Sec=25	IOFF=1.250	JOFF=0.000	RQID=1.0
314	J=237, 158	Sec=25	IOFF=0.000	JOFF=1.250	RQID=1.0
315	J=159, 160	Sec=26			
316	J=160, 161	Sec=26			
317	J=161, 162	Sec=26			
318	J=162, 163	Sec=26			
319	J=163, 164	Sec=26			
320	J=164, 165	Sec=26			
321	J=165, 166	Sec=26			
322	J=166, 167	Sec=26			
323	J=167, 168	Sec=26			
324	J=168, 169	Sec=26			
325	J=169, 170	Sec=26			
326	J=170, 171	Sec=26			
327	J=171, 172	Sec=26			
328	J=172, 173	Sec=26			
329	J=173, 174	Sec=26			
330	J=174, 175	Sec=26			
331	J=175, 176	Sec=26			
332	J=176, 177	Sec=26			
333	J=177, 178	Sec=26			
334	J=178, 179	Sec=26			
335	J=179, 180	Sec=26			
336	J=180, 181	Sec=26			
337	J=181, 182	Sec=26			
338	J=182, 183	Sec=26			
339	J=183, 184	Sec=26			
340	J=184, 185	Sec=26			
341	J=185, 186	Sec=26			
342	J=186, 187	Sec=26			
343	J=187, 188	Sec=26			
344	J=188, 189	Sec=26			
345	J=189, 190	Sec=26			
346	J=190, 191	Sec=26			
347	J=191, 192	Sec=26			
348	J=192, 193	Sec=26			
349	J=193, 194	Sec=26			
350	J=194, 195	Sec=26			
351	J=195, 196	Sec=26			
352	J=196, 197	Sec=26			
353	J=197, 198	Sec=26			
354	J=198, 199	Sec=26			
355	J=199, 200	Sec=26			
356	J=200, 201	Sec=26			
357	J=201, 202	Sec=26			
358	J=202, 203	Sec=26			
359	J=203, 204	Sec=26			
360	J=204, 205	Sec=26			
361	J=205, 206	Sec=26			
362	J=206, 207	Sec=26			
363	J=207, 208	Sec=26			
364	J=208, 209	Sec=26			
365	J=209, 210	Sec=26			
366	J=210, 211	Sec=26			
367	J=211, 212	Sec=26			
368	J=212, 213	Sec=26			
369	J=213, 214	Sec=26			
370	J=214, 215	Sec=26			
371	J=215, 216	Sec=26			
372	J=216, 217	Sec=26			
373	J=217, 218	Sec=26			
374	J=218, 219	Sec=26			

LOAD
Name=STEEL : STEEL SELF-WEIGHT LOAD
Type=Distributed Span
Add= 1 RD=0.000, 1.000 Uzp=-14.062, -14.549

Add-2	R	RD=0.00	1.000	Uzpp=14.549	-17.220
Add-3	R	RD=0.00	1.000	Uzpp=17.220	-21.720
Add-4	R	RD=0.00	1.000	Uzpp=17.220	-17.220
Add-5	R	RD=0.00	1.000	Uzpp=17.220	-17.220
Add-6	R	RD=0.00	1.000	Uzpp=17.220	-17.220
Add-7	R	RD=0.00	1.000	Uzpp=17.220	-17.220
Add-8	R	RD=0.00	1.000	Uzpp=17.220	-17.220
Add-9	R	RD=0.00	1.000	Uzpp=19.477	-22.338
Add-10	R	RD=0.00	1.000	Uzpp=22.338	-24.644
Add-11	R	RD=0.00	1.000	Uzpp=24.444	-19.667
Add-12	R	RD=0.00	1.000	Uzpp=19.667	-15.855
Add-13	R	RD=0.00	1.000	Uzpp=15.855	-11.842
Add-14	R	RD=0.00	1.000	Uzpp=15.470	-15.217
Add-15	R	RD=0.00	1.000	Uzpp=15.217	-15.459
Add-16	R	RD=0.00	1.000	Uzpp=15.459	-15.855
Add-17	R	RD=0.00	1.000	Uzpp=15.855	-16.138
Add-18	R	RD=0.00	1.000	Uzpp=15.556	-20.335
Add-19	R	RD=0.00	1.000	Uzpp=20.335	-23.108
Add-20	R	RD=0.00	1.000	Uzpp=23.108	-23.108
Add-21	R	RD=0.00	1.000	Uzpp=20.335	-17.220
Add-22	R	RD=0.00	1.000	Uzpp=17.220	-17.220
Add-23	R	RD=0.00	1.000	Uzpp=15.459	-15.217
Add-24	R	RD=0.00	1.000	Uzpp=14.549	-15.217
Add-25	R	RD=0.00	1.000	Uzpp=15.217	-15.217
Add-26	R	RD=0.00	1.000	Uzpp=15.217	-15.217
Add-27	R	RD=0.00	1.000	Uzpp=16.138	-18.142
Add-28	R	RD=0.00	1.000	Uzpp=18.142	-20.335
Add-29	R	RD=0.00	1.000	Uzpp=20.335	-18.142
Add-30	R	RD=0.00	1.000	Uzpp=23.108	-21.003
Add-31	R	RD=0.00	1.000	Uzpp=21.003	-18.556
Add-32	R	RD=0.00	1.000	Uzpp=18.556	-15.855
Add-33	R	RD=0.00	1.000	Uzpp=15.855	-14.549
Add-34	R	RD=0.00	1.000	Uzpp=14.549	-15.217
Add-35	R	RD=0.00	1.000	Uzpp=15.217	-15.217
Add-36	R	RD=0.00	1.000	Uzpp=15.217	-15.217
Add-37	R	RD=0.00	1.000	Uzpp=16.138	-18.142
Add-38	R	RD=0.00	1.000	Uzpp=18.142	-20.335
Add-39	R	RD=0.00	1.000	Uzpp=20.335	-18.142
Add-40	R	RD=0.00	1.000	Uzpp=23.108	-21.003
Add-41	R	RD=0.00	1.000	Uzpp=20.335	-18.142
Add-42	R	RD=0.00	1.000	Uzpp=18.142	-18.142
Add-43	R	RD=0.00	1.000	Uzpp=16.138	-15.217
Add-44	R	RD=0.00	1.000	Uzpp=15.217	-15.217
Add-45	R	RD=0.00	1.000	Uzpp=15.217	-15.217
Add-46	R	RD=0.00	1.000	Uzpp=14.549	-15.855
Add-47	R	RD=0.00	1.000	Uzpp=15.855	-15.855
Add-48	R	RD=0.00	1.000	Uzpp=18.556	-21.003
Add-49	R	RD=0.00	1.000	Uzpp=21.003	-23.108
Add-50	R	RD=0.00	1.000	Uzpp=23.108	-23.108
Add-51	R	RD=0.00	1.000	Uzpp=20.335	-18.142
Add-52	R	RD=0.00	1.000	Uzpp=18.142	-16.138
Add-53	R	RD=0.00	1.000	Uzpp=16.138	-15.217
Add-54	R	RD=0.00	1.000	Uzpp=15.217	-15.217
Add-55	R	RD=0.00	1.000	Uzpp=15.217	-15.459
Add-56	R	RD=0.00	1.000	Uzpp=15.459	-15.855
Add-57	R	RD=0.00	1.000	Uzpp=15.855	-16.138
Add-58	R	RD=0.00	1.000	Uzpp=18.556	-21.003
Add-59	R	RD=0.00	1.000	Uzpp=21.003	-23.108
Add-60	R	RD=0.00	1.000	Uzpp=23.108	-20.335
Add-61	R	RD=0.00	1.000	Uzpp=20.335	-18.142
Add-62	R	RD=0.00	1.000	Uzpp=18.556	-15.855
Add-63	R	RD=0.00	1.000	Uzpp=15.855	-14.549
Add-64	R	RD=0.00	1.000	Uzpp=14.549	-15.217

[illegible]

- 17 -

- 18 -

- 19 -

- 20 -

[illegible][illegible]

```
COMBO
Name=STEEL Type=ADD ;
LOAD=STEEL sf=1,000

Name=CONC Type=ADD ;
LOAD=CONC sf=1,000
LOAD=CR-HUNCH sf=1,000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD=** COMB=**
ELEM=FRAME TYPE=FORCE LOAD=** COMB=**
```

2. 합성 부

< AFTER COMPOSITE SELF-WEIGHT LOAD >

SYSTEM			
LENGTH=M		FORCE=KN	
JOINT			
1	X= 0.000	Y=0.000	Z=0.000
2	X= 2.747	Y=0.278	Z=0.000
3	X= 7.744	Y=0.772	Z=0.000
4	X= 12.742	Y=1.254	Z=0.000
5	X= 17.741	Y=1.722	Z=0.000
6	X= 22.741	Y=2.178	Z=0.000
7	X= 27.743	Y=2.620	Z=0.000
8	X= 32.746	Y=3.049	Z=0.000
9	X= 37.749	Y=3.464	Z=0.000
10	X= 42.758	Y=3.867	Z=0.000
11	X= 47.760	Y=4.256	Z=0.000
12	X= 52.767	Y=4.633	Z=0.000
13	X= 57.775	Y=4.996	Z=0.000
14	X= 62.784	Y=5.345	Z=0.000
15	X= 67.794	Y=5.682	Z=0.000
16	X= 72.804	Y=6.006	Z=0.000
17	X= 77.816	Y=6.316	Z=0.000
18	X= 82.828	Y=6.613	Z=0.000
19	X= 87.841	Y=6.897	Z=0.000
20	X= 92.858	Y=7.168	Z=0.000
21	X= 97.869	Y=7.425	Z=0.000
22	X= 102.884	Y=7.670	Z=0.000
23	X= 107.900	Y=7.901	Z=0.000
24	X= 112.916	Y=8.119	Z=0.000
25	X= 117.933	Y=8.324	Z=0.000
26	X= 122.951	Y=8.515	Z=0.000
27	X= 127.968	Y=8.694	Z=0.000
28	X= 132.987	Y=8.859	Z=0.000
29	X= 138.006	Y=9.011	Z=0.000
30	X= 143.028	Y=9.149	Z=0.000
31	X= 148.044	Y=9.275	Z=0.000
32	X= 153.064	Y=9.387	Z=0.000
33	X= 158.084	Y=9.486	Z=0.000
34	X= 163.104	Y=9.572	Z=0.000
35	X= 168.125	Y=9.645	Z=0.000
36	X= 173.146	Y=9.704	Z=0.000
37	X= 178.166	Y=9.751	Z=0.000
38	X= 183.187	Y=9.784	Z=0.000
39	X= 188.208	Y=9.803	Z=0.000
40	X= 193.233	Y=9.810	Z=0.000
41	X= 198.250	Y=9.803	Z=0.000
42	X= 203.271	Y=9.784	Z=0.000
43	X= 208.292	Y=9.751	Z=0.000
44	X= 213.313	Y=9.704	Z=0.000
45	X= 218.334	Y=9.645	Z=0.000
46	X= 223.354	Y=9.572	Z=0.000
47	X= 228.375	Y=9.486	Z=0.000
48	X= 233.395	Y=9.387	Z=0.000
49	X= 238.415	Y=9.275	Z=0.000
50	X= 243.437	Y=9.149	Z=0.000
51	X= 248.453	Y=9.011	Z=0.000
52	X= 253.472	Y=8.859	Z=0.000
53	X= 258.490	Y=8.694	Z=0.000
54	X= 263.508	Y=8.515	Z=0.000
55	X= 268.526	Y=8.324	Z=0.000
56	X= 273.543	Y=8.119	Z=0.000
57	X= 278.559	Y=7.901	Z=0.000
58	X= 283.575	Y=7.670	Z=0.000
59	X= 288.590	Y=7.426	Z=0.000
60	X= 293.607	Y=7.168	Z=0.000
61	X= 298.618	Y=6.897	Z=0.000
62	X= 303.631	Y=6.614	Z=0.000
63	X= 308.643	Y=6.316	Z=0.000
64	X= 313.655	Y=6.006	Z=0.000
65	X= 318.665	Y=5.683	Z=0.000
66	X= 323.675	Y=5.346	Z=0.000

67	X= 328.684	Y=4.996	Z=0.000
68	X= 333.692	Y=4.633	Z=0.000
69	X= 338.699	Y=4.257	Z=0.000
70	X= 343.708	Y=3.867	Z=0.000
71	X= 348.709	Y=3.465	Z=0.000
72	X= 353.713	Y=3.049	Z=0.000
73	X= 358.716	Y=2.620	Z=0.000
74	X= 363.718	Y=2.178	Z=0.000
75	X= 368.718	Y=1.723	Z=0.000
76	X= 373.717	Y=1.255	Z=0.000
77	X= 378.715	Y=0.773	Z=0.000
78	X= 383.712	Y=0.278	Z=0.000
79	X= 388.665	Y=0.000	Z=0.000
80	X= 0.742	Y=-7.262	Z=-0.293
81	X= 3.476	Y=-6.986	Z=-0.293
82	X= 8.454	Y=-6.493	Z=-0.293
83	X= 13.432	Y=-6.013	Z=-0.293
84	X= 18.412	Y=-5.547	Z=-0.293
85	X= 23.394	Y=-5.093	Z=-0.293
86	X= 28.376	Y=-4.653	Z=-0.293
87	X= 33.360	Y=-4.226	Z=-0.293
88	X= 38.344	Y=-3.811	Z=-0.293
89	X= 43.333	Y=-3.410	Z=-0.293
90	X= 48.317	Y=-3.022	Z=-0.293
91	X= 53.305	Y=-2.648	Z=-0.293
92	X= 58.293	Y=-2.286	Z=-0.293
93	X= 63.283	Y=-1.937	Z=-0.293
94	X= 68.274	Y=-1.602	Z=-0.293
95	X= 73.265	Y=-1.280	Z=-0.293
96	X= 78.257	Y=-0.971	Z=-0.293
97	X= 83.250	Y=-0.675	Z=-0.293
98	X= 88.244	Y=-0.392	Z=-0.293
99	X= 93.242	Y=-0.122	Z=-0.293
100	X= 98.234	Y=0.134	Z=-0.293
101	X= 103.230	Y=0.378	Z=-0.293
102	X= 108.226	Y=0.608	Z=-0.293
103	X= 113.224	Y=0.825	Z=-0.293
104	X= 118.221	Y=1.029	Z=-0.293
105	X= 123.219	Y=1.220	Z=-0.293
106	X= 128.218	Y=1.398	Z=-0.293
107	X= 133.217	Y=1.562	Z=-0.293
108	X= 138.217	Y=1.714	Z=-0.293
109	X= 143.220	Y=1.852	Z=-0.293
110	X= 148.217	Y=1.977	Z=-0.293
111	X= 153.218	Y=2.089	Z=-0.293
112	X= 158.219	Y=2.187	Z=-0.293
113	X= 163.220	Y=2.273	Z=-0.293
114	X= 168.221	Y=2.345	Z=-0.293
115	X= 173.222	Y=2.405	Z=-0.293
116	X= 178.224	Y=2.451	Z=-0.293
117	X= 183.226	Y=2.484	Z=-0.293
118	X= 188.228	Y=2.503	Z=-0.293
119	X= 193.233	Y=2.510	Z=-0.293
120	X= 198.231	Y=2.503	Z=-0.293
121	X= 203.233	Y=2.484	Z=-0.293
122	X= 208.235	Y=2.451	Z=-0.293
123	X= 213.236	Y=2.405	Z=-0.293
124	X= 218.238	Y=2.346	Z=-0.293
125	X= 223.239	Y=2.273	Z=-0.293
126	X= 228.240	Y=2.188	Z=-0.293
127	X= 233.241	Y=2.089	Z=-0.293
128	X= 238.242	Y=1.977	Z=-0.293
129	X= 243.245	Y=1.852	Z=-0.293
130	X= 248.242	Y=1.714	Z=-0.293
131	X= 253.242	Y=1.563	Z=-0.293
132	X= 258.241	Y=1.398	Z=-0.293
133	X= 263.239	Y=1.220	Z=-0.293
134	X= 268.238	Y=1.030	Z=-0.293
135	X= 273.235	Y=0.826	Z=-0.293
136	X= 278.232	Y=0.608	Z=-0.293
137	X= 283.229	Y=0.378	Z=-0.293
138	X= 288.225	Y=0.135	Z=-0.293
139	X= 293.223	Y=-0.122	Z=-0.293

140	X= 298.215	Y=-0.391	Z=-0.293
141	X= 303.208	Y=-0.674	Z=-0.293
142	X= 308.202	Y=-0.970	Z=-0.293
143	X= 313.194	Y=-1.279	Z=-0.293
144	X= 318.185	Y=-1.602	Z=-0.293
145	X= 323.176	Y=-1.937	Z=-0.293
146	X= 328.166	Y=-2.286	Z=-0.293
147	X= 333.154	Y=-2.647	Z=-0.293
148	X= 338.142	Y=-3.022	Z=-0.293
149	X= 343.132	Y=-3.410	Z=-0.293
150	X= 348.115	Y=-3.811	Z=-0.293
151	X= 353.099	Y=-4.225	Z=-0.293
152	X= 358.083	Y=-4.652	Z=-0.293
153	X= 363.065	Y=-5.093	Z=-0.293
154	X= 368.046	Y=-5.546	Z=-0.293
155	X= 373.027	Y=-6.013	Z=-0.293
156	X= 378.005	Y=-6.492	Z=-0.293
157	X= 382.983	Y=-6.985	Z=-0.293
158	X= 387.923	Y=-7.262	Z=-0.293
159	X= 0.371	Y=-3.631	Z=-0.146
160	X= 3.112	Y=-3.354	Z=-0.146
161	X= 6.059	Y=-2.860	Z=-0.147
162	X= 13.087	Y=-2.380	Z=-0.146
163	X= 18.077	Y=-1.912	Z=-0.147
164	X= 23.067	Y=-1.458	Z=-0.147
165	X= 28.059	Y=-1.017	Z=-0.146
166	X= 33.053	Y=-0.589	Z=-0.146
167	X= 38.047	Y=-0.174	Z=-0.146
168	X= 43.045	Y=0.229	Z=-0.147
169	X= 48.038	Y=0.617	Z=-0.146
170	X= 53.036	Y=0.992	Z=-0.147
171	X= 58.034	Y=1.355	Z=-0.146
172	X= 63.033	Y=1.704	Z=-0.147
173	X= 68.034	Y=2.040	Z=-0.147
174	X= 73.035	Y=2.363	Z=-0.146
175	X= 78.036	Y=2.673	Z=-0.147
176	X= 83.039	Y=2.969	Z=-0.146
177	X= 88.043	Y=3.253	Z=-0.146
178	X= 93.050	Y=3.523	Z=-0.147
179	X= 98.052	Y=3.780	Z=-0.146
180	X= 103.057	Y=4.024	Z=-0.147
181	X= 108.063	Y=4.255	Z=-0.146
182	X= 113.070	Y=4.472	Z=-0.147
183	X= 118.077	Y=4.676	Z=-0.146
184	X= 123.085	Y=4.868	Z=-0.146
185	X= 128.093	Y=5.046	Z=-0.147
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187	X= 138.111	Y=5.362	Z=-0.146
188	X= 143.124	Y=5.501	Z=-0.146
189	X= 148.131	Y=5.626	Z=-0.146
190	X= 153.141	Y=5.738	Z=-0.146
191	X= 158.151	Y=5.837	Z=-0.146
192	X= 163.162	Y=5.923	Z=-0.147
193	X= 168.173	Y=5.995	Z=-0.147
194	X= 173.184	Y=6.055	Z=-0.146
195	X= 178.195	Y=6.101	Z=-0.147
196	X= 183.207	Y=6.134	Z=-0.147
197	X= 188.218	Y=6.153	Z=-0.147
198	X= 193.233	Y=6.160	Z=-0.147
199	X= 198.241	Y=6.153	Z=-0.146
200	X= 203.252	Y=6.134	Z=-0.147
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204	X= 223.297	Y=5.923	Z=-0.147
205	X= 228.308	Y=5.837	Z=-0.147
206	X= 233.318	Y=5.738	Z=-0.147
207	X= 238.328	Y=5.626	Z=-0.146
208	X= 243.341	Y=5.501	Z=-0.147
209	X= 248.348	Y=5.362	Z=-0.147
210	X= 253.357	Y=5.211	Z=-0.147
211	X= 258.366	Y=5.046	Z=-0.146
212	X= 263.374	Y=4.868	Z=-0.147

213 X= 268.382 Y=4.677 Z=-0.147
214 X= 273.389 Y=4.472 Z=-0.146
215 X= 278.386 Y=4.265 Z=-0.147
216 X= 283.402 Y=4.024 Z=-0.147
217 X= 288.407 Y=3.780 Z=-0.147
218 X= 293.415 Y=3.523 Z=-0.147
219 X= 298.416 Y=3.253 Z=-0.146
220 X= 303.420 Y=2.970 Z=-0.146
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222 X= 313.424 Y=2.363 Z=-0.147
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224 X= 323.425 Y=1.704 Z=-0.147
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227 X= 338.420 Y=0.617 Z=-0.146
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230 X= 353.406 Y=-0.588 Z=-0.146
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232 X= 363.391 Y=-1.457 Z=-0.147
233 X= 368.382 Y=-1.912 Z=-0.146
234 X= 373.372 Y=-2.379 Z=-0.147
235 X= 378.360 Y=-2.860 Z=-0.147
236 X= 383.347 Y=-3.353 Z=-0.146
237 X= 386.094 Y=-3.631 Z=-0.146
238 X= 0.000 Y=0.000 Z=-0.800
239 X= -0.097 Y=0.945 Z=-0.800
240 X= 0.097 Y=-0.945 Z=-0.800
241 X= 42.758 Y=3.867 Z=-1.300
242 X= 42.692 Y=4.697 Z=-1.300
243 X= 42.823 Y=3.038 Z=-1.300
244 X= 92.858 Y=7.168 Z=-1.300
245 X= 92.814 Y=7.999 Z=-1.300
246 X= 92.902 Y=6.337 Z=-1.300
247 X= 143.028 Y=9.149 Z=-1.300
248 X= 143.006 Y=9.981 Z=-1.300
249 X= 143.050 Y=8.318 Z=-1.300
250 X= 193.233 Y=9.810 Z=-1.300
251 X= 193.233 Y=10.642 Z=-1.300
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256 X= 293.607 Y=7.168 Z=-1.300
257 X= 293.651 Y=7.999 Z=-1.300
258 X= 293.564 Y=6.337 Z=-1.300
259 X= 343.708 Y=3.867 Z=-1.300
260 X= 343.773 Y=4.697 Z=-1.300
261 X= 343.642 Y=3.038 Z=-1.300
262 X= 386.465 Y=0.000 Z=-0.800
263 X= 0.742 Y=-7.262 Z=-1.093
264 X= 0.845 Y=-6.317 Z=-1.093
265 X= 0.839 Y=-8.207 Z=-1.093
266 X= 43.333 Y=-3.410 Z=-1.593
267 X= 43.268 Y=-2.581 Z=-1.593
268 X= 43.399 Y=-4.240 Z=-1.593
269 X= 93.242 Y=-0.122 Z=-1.593
270 X= 93.198 Y=0.709 Z=-1.593
271 X= 93.286 Y=-0.953 Z=-1.593
272 X= 143.220 Y=1.852 Z=-1.593
273 X= 143.198 Y=2.684 Z=-1.593
274 X= 143.242 Y=1.020 Z=-1.593
275 X= 193.233 Y=2.510 Z=-1.593
276 X= 193.233 Y=3.342 Z=-1.593
277 X= 193.233 Y=1.678 Z=-1.593
278 X= 243.245 Y=1.852 Z=-1.593
279 X= 243.267 Y=2.684 Z=-1.593
280 X= 243.223 Y=1.020 Z=-1.593
281 X= 293.223 Y=-0.122 Z=-1.593
282 X= 293.267 Y=0.709 Z=-1.593
283 X= 293.180 Y=-0.953 Z=-1.593
284 X= 343.132 Y=-3.410 Z=-1.593
285 X= 343.198 Y=-2.581 Z=-1.593

- 29 -

286 X= 343.066 Y=-4.240 Z=-1.593
287 X= 385.723 Y=-7.262 Z=-1.093

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ADD= 243 ANG=0.116
ADD= 245 ANG=-2.655
ADD= 246 ANG=-1.710
ADD= 248 ANG=-7.530
ADD= 249 ANG=-5.862
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ADD= 265 ANG=2.941
ADD= 267 ANG=1.627
ADD= 268 ANG=2.262
ADD= 270 ANG=0.555
ADD= 271 ANG=1.508
ADD= 273 ANG=0.754
ADD= 274 ANG=0.754
ADD= 276 ANG=0.000
ADD= 277 ANG=0.000
ADD= 279 ANG=1.508
ADD= 280 ANG=-1.508
ADD= 282 ANG=-2.262
ADD= 283 ANG=-2.262
ADD= 285 ANG=-2.063
ADD= 286 ANG=-3.016
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ADD= 257 DOF= U3,
ADD= 258 DOF= U3,
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ADD= 261 DOF= U3,
ADD= 262 DOF= U3,
ADD= 264 DOF= U2, U3,
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- 30 -

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Name= 3 Mat= 3 A=0.36315 I=0.19566780, 0.87207757 J=0.15206577 : GIRDER
Name= 4 Mat= 4 A=0.35219 I=0.1720912, 0.86416641 J=0.14170325 : GIRDER
Name= 5 Mat= 5 A=0.38167 I=0.21634241, 0.89406724 J=0.15334281 : GIRDER
Name= 6 Mat= 6 A=0.40515 I=0.26890654, 0.91063796 J=0.19456917 : GIRDER
Name= 7 Mat= 7 A=0.42243 I=0.51255082, 0.93914008 J=0.29407566 : GIRDER
Name= 8 Mat= 8 A=0.38323 I=0.24041110, 0.89518728 J=0.18303501 : GIRDER
Name= 9 Mat= 9 A=0.35219 I=0.18868427, 0.86416641 J=0.14170325 : GIRDER
Name= 10 Mat= 10 A=0.34879 I=0.17476880, 0.86045790 J=0.13427272 : GIRDER
Name= 11 Mat= 11 A=0.34671 I=0.17183333, 0.86018564 J=0.14108490 : GIRDER
Name= 12 Mat= 12 A=0.34123 I=0.15750728, 0.85618753 J=0.13427272 : GIRDER
Name= 13 Mat= 13 A=0.37411 I=0.20044408, 0.87959596 J=0.15334281 : GIRDER
Name= 14 Mat= 14 A=0.38871 I=0.24100073, 0.89906832 J=0.18378672 : GIRDER

Name= 15 Mat= 15 A=0.41147 I=0.48704672, 0.93150743 J=0.28753575 : GIRDER
Name= 16 Mat= 16 A=0.39871 I=0.25402931, 0.89906832 J=0.18835077 : GIRDER
Name= 17 Mat= 17 A=0.36315 I=0.21507525, 0.87207757 J=0.15206577 : GIRDER
Name= 18 Mat= 18 A=0.35427 I=0.17505248, 0.86443196 J=0.13484036 : GIRDER
Name= 19 Mat= 19 A=0.37071 I=0.18955335, 0.87625735 J=0.14283505 : GIRDER
Name= 20 Mat= 20 A=0.39419 I=0.25470168, 0.90293677 J=0.18914844 : GIRDER
Name= 21 Mat= 21 A=0.37411 I=0.21605746, 0.87959596 J=0.15334281 : GIRDER
Name= 22 Mat= 22 A=0.41695 I=0.51075904, 0.93532885 J=0.293315490 : GIRDER
Name= 23 Mat= 23 A=0.39967 I=0.26806089, 0.90679315 J=0.19378928 : GIRDER
Name= 24 Mat= 24 A=0.38887 I=0.22104508, 0.89611291 J=0.17261452 : GIRDER
Name= 25 Mat= 25 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : CROSSBEAM
Name= 26 Mat= 26 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : STRINGER
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Name= 72 Type=Nonpr Sec= 23, 5
Name= 73 Type=Nonpr Sec= 23, 24
Name= 74 Type=Nonpr Sec= 24, 4

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3 J= 3, 4 Sec= 3
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec= 3
6 J= 6, 7 Sec=32
7 J= 7, 8 Sec=34
8 J= 8, 9 Sec=39
9 J= 9, 10 Sec=40
10 J= 10, 11 Sec=41
11 J= 11, 12 Sec=42

- 31 -

- 32 -

12 J= 12, 13 Sec=45
13 J= 13, 14 Sec=47
14 J= 14, 15 Sec=11
15 J= 15, 16 Sec=49
16 J= 16, 17 Sec=51
17 J= 17, 18 Sec=36
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19 J= 19, 20 Sec=56
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24 J= 24, 25 Sec=52
25 J= 25, 26 Sec=11
26 J= 26, 27 Sec=50
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76 J= 76, 77 Sec= 3
77 J= 77, 78 Sec=31
78 J= 78, 79 Sec=29
79 J= 80, 81 Sec=28
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81 J= 82, 83 Sec= 3
82 J= 83, 84 Sec= 3
83 J= 84, 85 Sec= 3
84 J= 85, 86 Sec=32

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161 J= 3, 161 Sec=25 IOFF=1.250 JOFF=0.000 RIGD=1.0
162 J=161, 82 Sec=25 IOFF=0.000 JOFF=1.250 RIGD=1.0
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- 39 -

- 39 -

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3 철거중 재하시 < MOVING LOAD >

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2 X= 2.747	Y=0.278	Z=0.000	
3 X= 7.744	Y=0.772	Z=0.000	
4 X= 12.742	Y=1.254	Z=0.000	
5 X= 17.741	Y=1.722	Z=0.000	
6 X= 22.741	Y=2.178	Z=0.000	
7 X= 27.743	Y=2.620	Z=0.000	
8 X= 32.746	Y=3.049	Z=0.000	
9 X= 37.749	Y=3.464	Z=0.000	
10 X= 42.758	Y=3.867	Z=0.000	
11 X= 47.760	Y=4.256	Z=0.000	
12 X= 52.767	Y=4.633	Z=0.000	
13 X= 57.775	Y=4.996	Z=0.000	
14 X= 62.784	Y=5.345	Z=0.000	
15 X= 67.794	Y=5.682	Z=0.000	
16 X= 72.804	Y=6.006	Z=0.000	
17 X= 77.816	Y=6.316	Z=0.000	
18 X= 82.828	Y=6.613	Z=0.000	
19 X= 87.841	Y=6.897	Z=0.000	
20 X= 92.858	Y=7.168	Z=0.000	
21 X= 97.869	Y=7.425	Z=0.000	
22 X= 102.884	Y=7.670	Z=0.000	
23 X= 107.900	Y=7.901	Z=0.000	
24 X= 112.916	Y=8.119	Z=0.000	
25 X= 117.933	Y=8.324	Z=0.000	
26 X= 122.951	Y=8.515	Z=0.000	
27 X= 127.968	Y=8.694	Z=0.000	
28 X= 132.987	Y=8.859	Z=0.000	
29 X= 138.006	Y=9.011	Z=0.000	
30 X= 143.028	Y=9.149	Z=0.000	
31 X= 148.044	Y=9.275	Z=0.000	
32 X= 153.064	Y=9.387	Z=0.000	
33 X= 158.084	Y=9.486	Z=0.000	
34 X= 163.104	Y=9.572	Z=0.000	
35 X= 168.125	Y=9.645	Z=0.000	
36 X= 173.146	Y=9.704	Z=0.000	
37 X= 178.166	Y=9.751	Z=0.000	
38 X= 183.187	Y=9.784	Z=0.000	
39 X= 188.208	Y=9.803	Z=0.000	
40 X= 193.233	Y=9.810	Z=0.000	
41 X= 198.250	Y=9.803	Z=0.000	
42 X= 203.271	Y=9.784	Z=0.000	
43 X= 208.292	Y=9.751	Z=0.000	
44 X= 213.313	Y=9.704	Z=0.000	
45 X= 218.334	Y=9.645	Z=0.000	
46 X= 223.354	Y=9.572	Z=0.000	
47 X= 228.375	Y=9.486	Z=0.000	
48 X= 233.395	Y=9.387	Z=0.000	
49 X= 238.415	Y=9.275	Z=0.000	
50 X= 243.437	Y=9.149	Z=0.000	
51 X= 248.453	Y=9.011	Z=0.000	
52 X= 253.472	Y=8.859	Z=0.000	
53 X= 258.490	Y=8.694	Z=0.000	
54 X= 263.508	Y=8.515	Z=0.000	
55 X= 268.526	Y=8.324	Z=0.000	
56 X= 273.543	Y=8.119	Z=0.000	
57 X= 278.559	Y=7.901	Z=0.000	
58 X= 283.575	Y=7.670	Z=0.000	
59 X= 288.590	Y=7.425	Z=0.000	
60 X= 293.607	Y=7.168	Z=0.000	
61 X= 298.618	Y=6.897	Z=0.000	
62 X= 303.631	Y=6.614	Z=0.000	
63 X= 308.643	Y=6.316	Z=0.000	
64 X= 313.655	Y=6.006	Z=0.000	
65 X= 318.665	Y=5.683	Z=0.000	
66 X= 323.675	Y=5.346	Z=0.000	

Add=381 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=382 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=383 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=384 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=385 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=386 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=387 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=388 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=389 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=390 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=391 RD=0.000, 1.000 UZP=-7.879, -7.879
Add=392 RD=0.000, 1.000 UZP=-7.879, -7.879

COMBO

Name=AFTER Type=ADD :
LOAD=AFter sf=1.000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD=> COMB=>
ELEM=FRAME TYPE=FORCE LOAD=> COMB=>

67 X= 328.684	Y=4.996	Z=0.000
68 X= 333.692	Y=4.633	Z=0.000
69 X= 338.699	Y=4.257	Z=0.000
70 X= 343.708	Y=3.867	Z=0.000
71 X= 348.709	Y=3.465	Z=0.000
72 X= 353.713	Y=3.049	Z=0.000
73 X= 358.716	Y=2.620	Z=0.000
74 X= 363.718	Y=2.178	Z=0.000
75 X= 368.718	Y=1.723	Z=0.000
76 X= 373.717	Y=1.255	Z=0.000
77 X= 378.715	Y=0.773	Z=0.000
78 X= 383.712	Y=0.278	Z=0.000
79 X= 388.465	Y=0.000	Z=0.000
80 X= 0.742	Y=-7.262	Z=-0.293
81 X= 3.476	Y=-6.986	Z=-0.293
82 X= 6.454	Y=-6.493	Z=-0.293
83 X= 13.432	Y=-6.013	Z=-0.293
84 X= 18.412	Y=-5.547	Z=-0.293
85 X= 23.394	Y=-5.093	Z=-0.293
86 X= 28.376	Y=-4.653	Z=-0.293
87 X= 33.360	Y=-4.226	Z=-0.293
88 X= 38.344	Y=-3.811	Z=-0.293
89 X= 43.333	Y=-3.410	Z=-0.293
90 X= 48.317	Y=-3.022	Z=-0.293
91 X= 53.305	Y=-2.648	Z=-0.293
92 X= 58.293	Y=-2.286	Z=-0.293
93 X= 63.283	Y=-1.937	Z=-0.293
94 X= 68.274	Y=-1.602	Z=-0.293
95 X= 73.265	Y=-1.280	Z=-0.293
96 X= 78.257	Y=-0.971	Z=-0.293
97 X= 83.250	Y=-0.675	Z=-0.293
98 X= 88.244	Y=-0.392	Z=-0.293
99 X= 93.242	Y=-0.122	Z=-0.293
100 X= 98.234	Y=0.134	Z=-0.293
101 X= 103.230	Y=0.378	Z=-0.293
102 X= 108.226	Y=0.608	Z=-0.293
103 X= 113.224	Y=0.825	Z=-0.293
104 X= 118.221	Y=1.029	Z=-0.293
105 X= 123.219	Y=1.220	Z=-0.293
106 X= 128.218	Y=1.398	Z=-0.293
107 X= 133.217	Y=1.562	Z=-0.293
108 X= 138.217	Y=1.714	Z=-0.293
109 X= 143.220	Y=1.852	Z=-0.293
110 X= 148.217	Y=1.977	Z=-0.293
111 X= 153.218	Y=2.089	Z=-0.293
112 X= 158.219	Y=2.187	Z=-0.293
113 X= 163.220	Y=2.273	Z=-0.293
114 X= 168.221	Y=2.345	Z=-0.293
115 X= 173.222	Y=2.405	Z=-0.293
116 X= 178.224	Y=2.451	Z=-0.293
117 X= 183.226	Y=2.484	Z=-0.293
118 X= 188.228	Y=2.503	Z=-0.293
119 X= 193.233	Y=2.510	Z=-0.293
120 X= 198.231	Y=2.503	Z=-0.293
121 X= 203.233	Y=2.484	Z=-0.293
122 X= 208.235	Y=2.451	Z=-0.293
123 X= 213.236	Y=2.405	Z=-0.293
124 X= 218.238	Y=2.346	Z=-0.293
125 X= 223.239	Y=2.273	Z=-0.293
126 X= 228.240	Y=2.188	Z=-0.293
127 X= 233.241	Y=2.089	Z=-0.293
128 X= 238.242	Y=1.977	Z=-0.293
129 X= 243.245	Y=1.852	Z=-0.293
130 X= 248.242	Y=1.714	Z=-0.293
131 X= 253.242	Y=1.563	Z=-0.293
132 X= 258.241	Y=1.398	Z=-0.293
133 X= 263.239	Y=1.220	Z=-0.293
134 X= 268.238	Y=1.030	Z=-0.293
135 X= 273.235	Y=0.826	Z=-0.293
136 X= 278.232	Y=0.608	Z=-0.293
137 X= 283.229	Y=0.378	Z=-0.293
138 X= 288.225	Y=0.135	Z=-0.293
139 X= 293.223	Y=-0.122	Z=-0.293

140 X= 298.215 Y=-0.391 Z=-0.293
141 X= 303.288 Y=-0.674 Z=-0.293
142 X= 308.202 Y=-0.970 Z=-0.293
143 X= 313.194 Y=-1.279 Z=-0.293
144 X= 318.185 Y=-1.602 Z=-0.293
145 X= 323.176 Y=-1.937 Z=-0.293
146 X= 328.166 Y=-2.286 Z=-0.293
147 X= 333.154 Y=-2.647 Z=-0.293
148 X= 338.142 Y=-3.022 Z=-0.293
149 X= 343.132 Y=-3.410 Z=-0.293
150 X= 348.115 Y=-3.811 Z=-0.293
151 X= 353.099 Y=-4.225 Z=-0.293
152 X= 358.083 Y=-4.652 Z=-0.293
153 X= 363.065 Y=-5.093 Z=-0.293
154 X= 368.046 Y=-5.546 Z=-0.293
155 X= 373.027 Y=-6.013 Z=-0.293
156 X= 378.005 Y=-6.492 Z=-0.293
157 X= 382.983 Y=-6.985 Z=-0.293
158 X= 388.723 Y=-7.262 Z=-0.293
159 X= 0.371 Y=-3.631 Z=-0.146
160 X= 3.112 Y=-3.354 Z=-0.146
161 X= 8.899 Y=-2.860 Z=-0.147
162 X= 13.087 Y=-2.380 Z=-0.146
163 X= 18.077 Y=-1.912 Z=-0.147
164 X= 23.067 Y=-1.458 Z=-0.147
165 X= 28.059 Y=-1.017 Z=-0.146
166 X= 33.053 Y=-0.595 Z=-0.146
167 X= 38.047 Y=-0.174 Z=-0.146
168 X= 43.045 Y=0.229 Z=-0.147
169 X= 48.038 Y=0.617 Z=-0.146
170 X= 53.036 Y=0.992 Z=-0.147
171 X= 58.034 Y=1.355 Z=-0.146
172 X= 63.033 Y=1.704 Z=-0.147
173 X= 68.034 Y=2.040 Z=-0.147
174 X= 73.035 Y=2.363 Z=-0.146
175 X= 78.036 Y=2.673 Z=-0.147
176 X= 83.039 Y=2.969 Z=-0.146
177 X= 88.043 Y=3.253 Z=-0.146
178 X= 93.050 Y=3.523 Z=-0.147
179 X= 98.052 Y=3.780 Z=-0.146
180 X= 103.057 Y=4.024 Z=-0.147
181 X= 108.063 Y=4.255 Z=-0.146
182 X= 113.070 Y=4.472 Z=-0.147
183 X= 118.077 Y=4.676 Z=-0.146
184 X= 123.085 Y=4.868 Z=-0.146
185 X= 128.093 Y=5.046 Z=-0.147
186 X= 133.102 Y=5.210 Z=-0.146
187 X= 138.111 Y=5.362 Z=-0.146
188 X= 143.124 Y=5.501 Z=-0.146
189 X= 148.131 Y=5.626 Z=-0.146
190 X= 153.141 Y=5.738 Z=-0.146
191 X= 158.151 Y=5.837 Z=-0.146
192 X= 163.162 Y=5.923 Z=-0.147
193 X= 168.173 Y=5.995 Z=-0.147
194 X= 173.184 Y=6.055 Z=-0.146
195 X= 178.195 Y=6.101 Z=-0.147
196 X= 183.207 Y=6.134 Z=-0.147
197 X= 188.218 Y=6.153 Z=-0.147
198 X= 193.233 Y=6.160 Z=-0.147
199 X= 198.241 Y=6.153 Z=-0.146
200 X= 203.252 Y=6.134 Z=-0.147
201 X= 208.264 Y=6.101 Z=-0.147
202 X= 213.275 Y=6.055 Z=-0.147
203 X= 218.286 Y=5.995 Z=-0.147
204 X= 223.297 Y=5.923 Z=-0.147
205 X= 228.308 Y=5.837 Z=-0.147
206 X= 233.318 Y=5.738 Z=-0.147
207 X= 238.328 Y=5.626 Z=-0.146
208 X= 243.341 Y=5.501 Z=-0.147
209 X= 248.348 Y=5.362 Z=-0.147
210 X= 253.357 Y=5.211 Z=-0.147
211 X= 258.366 Y=5.046 Z=-0.146
212 X= 263.374 Y=4.868 Z=-0.147

- 45 -

286 X= 343.066 Y=-4.240 Z=-1.593
287 X= 386.723 Y=-7.262 Z=-1.093

LOCAL

ADD= 239 ANG=0.217
ADD= 240 ANG=-0.778
ADD= 242 ANG=-0.516
ADD= 243 ANG=0.118
ADD= 245 ANG=-2.655
ADD= 246 ANG=-1.710
ADD= 248 ANG=-7.530
ADD= 249 ANG=-5.862
ADD= 251 ANG=0.000
ADD= 252 ANG=0.000
ADD= 254 ANG=-1.508
ADD= 255 ANG=-1.508
ADD= 257 ANG=6.022
ADD= 258 ANG=4.155
ADD= 260 ANG=1.147
ADD= 261 ANG=-0.202
ADD= 262 ANG=-1.074
ADD= 264 ANG=2.377
ADD= 265 ANG=2.941
ADD= 267 ANG=1.627
ADD= 268 ANG=2.262
ADD= 270 ANG=0.555
ADD= 271 ANG=1.598
ADD= 273 ANG=0.754
ADD= 274 ANG=0.754
ADD= 276 ANG=0.000
ADD= 277 ANG=0.000
ADD= 279 ANG=-1.508
ADD= 280 ANG=-1.508
ADD= 282 ANG=-2.262
ADD= 283 ANG=-2.262
ADD= 285 ANG=-2.063
ADD= 286 ANG=-3.016
ADD= 287 ANG=-3.326

RESTRAINT

ADD= 239 DOF= U3,
ADD= 240 DOF= U3,
ADD= 242 DOF= U3,
ADD= 243 DOF= U3,
ADD= 245 DOF= U3,
ADD= 246 DOF= U3,
ADD= 248 DOF= U3,
ADD= 249 DOF= U3,
ADD= 251 DOF= U1, U3,
ADD= 252 DOF= U1, U3,
ADD= 254 DOF= U1, U3,
ADD= 255 DOF= U1, U3,
ADD= 257 DOF= U3,
ADD= 258 DOF= U3,
ADD= 260 DOF= U3,
ADD= 261 DOF= U3,
ADD= 262 DOF= U3,
ADD= 264 DOF= U2, U3,
ADD= 265 DOF= U2, U3,
ADD= 267 DOF= U2, U3,
ADD= 268 DOF= U2, U3,
ADD= 270 DOF= U2, U3,
ADD= 271 DOF= U2, U3,
ADD= 273 DOF= U2, U3,
ADD= 274 DOF= U2, U3,
ADD= 276 DOF= U1, U2, U3,
ADD= 277 DOF= U1, U2, U3,
ADD= 279 DOF= U1, U2, U3,
ADD= 280 DOF= U1, U2, U3,
ADD= 282 DOF= U2, U3,
ADD= 283 DOF= U2, U3,
ADD= 285 DOF= U2, U3,
ADD= 286 DOF= U2, U3,

- 47 -

213 X= 268.382 Y=4.677 Z=-0.147
214 X= 273.389 Y=4.472 Z=-0.146
215 X= 278.396 Y=4.265 Z=-0.147
216 X= 283.402 Y=4.024 Z=-0.147
217 X= 288.407 Y=3.780 Z=-0.147
218 X= 293.415 Y=3.523 Z=-0.147
219 X= 298.416 Y=3.253 Z=-0.146
220 X= 303.420 Y=2.970 Z=-0.146
221 X= 308.422 Y=2.673 Z=-0.147
222 X= 313.424 Y=2.363 Z=-0.147
223 X= 318.425 Y=2.040 Z=-0.146
224 X= 323.425 Y=1.704 Z=-0.147
225 X= 328.425 Y=1.355 Z=-0.146
226 X= 333.423 Y=0.993 Z=-0.146
227 X= 338.420 Y=0.617 Z=-0.146
228 X= 343.420 Y=0.229 Z=-0.146
229 X= 348.412 Y=-0.173 Z=-0.147
230 X= 353.406 Y=-0.588 Z=-0.146
231 X= 358.399 Y=-1.016 Z=-0.146
232 X= 363.391 Y=-1.457 Z=-0.147
233 X= 368.382 Y=-1.912 Z=-0.146
234 X= 373.372 Y=-2.379 Z=-0.147
235 X= 378.360 Y=-2.860 Z=-0.147
236 X= 383.347 Y=-3.353 Z=-0.146
237 X= 386.094 Y=-3.631 Z=-0.146
238 X= 0.000 Y=0.000 Z=-0.800
239 X= -0.097 Y=0.945 Z=-0.800
240 X= 0.097 Y=-0.945 Z=-0.800
241 X= 42.758 Y=3.867 Z=-1.300
242 X= 42.692 Y=4.697 Z=-1.300
243 X= 42.823 Y=3.038 Z=-1.300
244 X= 92.858 Y=7.168 Z=-1.300
245 X= 92.814 Y=7.999 Z=-1.300
246 X= 92.902 Y=6.337 Z=-1.300
247 X= 143.028 Y=9.149 Z=-1.300
248 X= 143.006 Y=9.981 Z=-1.300
249 X= 143.050 Y=8.318 Z=-1.300
250 X= 193.233 Y=9.810 Z=-1.300
251 X= 193.233 Y=10.642 Z=-1.300
252 X= 193.233 Y=8.978 Z=-1.300
253 X= 243.437 Y=9.149 Z=-1.300
254 X= 243.459 Y=9.981 Z=-1.300
255 X= 243.416 Y=8.318 Z=-1.300
256 X= 293.607 Y=7.168 Z=-1.300
257 X= 293.651 Y=7.999 Z=-1.300
258 X= 293.564 Y=6.337 Z=-1.300
259 X= 343.708 Y=3.867 Z=-1.300
260 X= 343.773 Y=4.697 Z=-1.300
261 X= 343.642 Y=3.038 Z=-1.300
262 X= 386.465 Y=0.000 Z=-0.800
263 X= 0.742 Y=-7.262 Z=-1.093
264 X= 0.846 Y=-6.317 Z=-1.093
265 X= 0.839 Y=-8.207 Z=-1.093
266 X= 43.333 Y=-3.410 Z=-1.593
267 X= 43.268 Y=-2.581 Z=-1.593
268 X= 43.399 Y=-4.240 Z=-1.593
269 X= 93.242 Y=-0.122 Z=-1.593
270 X= 93.198 Y=0.709 Z=-1.593
271 X= 93.286 Y=-0.953 Z=-1.593
272 X= 143.220 Y=1.852 Z=-1.593
273 X= 143.198 Y=2.684 Z=-1.593
274 X= 143.242 Y=1.020 Z=-1.593
275 X= 193.233 Y=2.510 Z=-1.593
276 X= 193.233 Y=3.342 Z=-1.593
277 X= 193.233 Y=1.678 Z=-1.593
278 X= 243.245 Y=1.852 Z=-1.593
279 X= 243.267 Y=2.684 Z=-1.593
280 X= 243.223 Y=1.020 Z=-1.593
281 X= 293.223 Y=-0.122 Z=-1.593
282 X= 293.267 Y=0.709 Z=-1.593
283 X= 293.180 Y=-0.953 Z=-1.593
284 X= 343.192 Y=-3.410 Z=-1.593
285 X= 343.198 Y=-2.581 Z=-1.593

- 46 -

ADD= 287 DOF= U2, U3,

MATERIAL

Name=1
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Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
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Name=25
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Name=26
E=2.05e+008
Name=27
E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.33723 I=0.13631629, 0.84945977 J=0.11935025 : GIRDER
Name= 2 Mat= 2 A=0.34123 I=0.17156391, 0.85618753 J=0.14042597 : GIRDER
Name= 3 Mat= 3 A=0.36315 I=0.19586780, 0.87207757 J=0.15206577 : GIRDER
Name= 4 Mat= 4 A=0.35219 I=0.17209912, 0.86416641 J=0.14170325 : GIRDER
Name= 5 A=0.38167 I=0.21634241, 0.88406724 J=0.15334281 : GIRDER
Name= 6 Mat= 6 A=0.40515 I=0.26890854, 0.91063796 J=0.19456917 : GIRDER
Name= 7 A=0.42243 I=0.51255982, 0.93914008 J=0.29407566 : GIRDER
Name= 8 Mat= 8 A=0.38323 I=0.24041110, 0.89518728 J=0.18303501 : GIRDER
Name= 9 A=0.35219 I=0.18868427, 0.86416641 J=0.14170325 : GIRDER
Name= 10 Mat= 10 A=0.34879 I=0.17476880, 0.86045790 J=0.13427272 : GIRDER
Name= 11 Mat= 11 A=0.34671 I=0.17183333, 0.86018584 J=0.14108490 : GIRDER
Name= 12 Mat= 12 A=0.34123 I=0.15750728, 0.85618753 J=0.13427272 : GIRDER
Name= 13 Mat= 13 A=0.37411 I=0.20044408, 0.87952696 J=0.15394281 : GIRDER
Name= 14 Mat= 14 A=0.38871 I=0.24100073, 0.89906832 J=0.18378672 : GIRDER

- 48 -

Name= 15 Mat= 15 A=0.41147 I=0.48704672, 0.93150743 J=0.28753575 : GIRDER
 Name= 16 Mat= 16 A=0.38871 I=0.2540231, 0.89906532 J=0.18835977 : GIRDER
 Name= 17 Mat= 17 A=0.36315 I=0.21507525, 0.87207757 J=0.15206577 : GIRDER
 Name= 18 Mat= 18 A=0.35427 I=0.17505248, 0.86443196 J=0.13484036 : GIRDER
 Name= 19 Mat= 19 A=0.37071 I=0.18955335, 0.87625735 J=0.14283505 : GIRDER
 Name= 20 Mat= 20 A=0.39419 I=0.25470168, 0.90293677 J=0.18914844 : GIRDER
 Name= 21 Mat= 21 A=0.37411 I=0.21605746, 0.87932896 J=0.15334281 : GIRDER
 Name= 22 Mat= 22 A=0.41695 I=0.51075904, 0.93532895 J=0.29315490 : GIRDER
 Name= 23 Mat= 23 A=0.39967 I=0.26806089, 0.86679315 J=0.19378928 : GIRDER
 Name= 24 Mat= 24 A=0.38887 I=0.22104508, 0.89611291 J=0.17261452 : GIRDER
 Name= 25 Mat= 25 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : CROSSBEAM
 Name= 26 Mat= 26 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : STRINGER
 Name= 27 Mat= 27 A=10.00000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
 Name= 28 Type=Nonpr Sec= 1, 2 Elvar=2.1
 Name= 29 Type=Nonpr Sec= 2, 1
 Name= 30 Type=Nonpr Sec= 2, 3
 Name= 31 Type=Nonpr Sec= 3, 2
 Name= 32 Type=Nonpr Sec= 3, 4
 Name= 33 Type=Nonpr Sec= 4, 3
 Name= 34 Type=Nonpr Sec= 4, 5
 Name= 35 Type=Nonpr Sec= 4, 12
 Name= 36 Type=Nonpr Sec= 4, 13
 Name= 37 Type=Nonpr Sec= 4, 21
 Name= 38 Type=Nonpr Sec= 5, 4
 Name= 39 Type=Nonpr Sec= 5, 6
 Name= 40 Type=Nonpr Sec= 6, 7
 Name= 41 Type=Nonpr Sec= 7, 8
 Name= 42 Type=Nonpr Sec= 8, 9
 Name= 43 Type=Nonpr Sec= 8, 22
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429 J=274, 272 Sec=27
430 J=119, 275 Sec=27
431 J=276, 275 Sec=27
432 J=277, 275 Sec=27
433 J=129, 278 Sec=27
434 J=279, 278 Sec=27
435 J=280, 278 Sec=27
436 J=139, 281 Sec=27
437 J=282, 281 Sec=27
438 J=283, 281 Sec=27
439 J=149, 284 Sec=27
440 J=285, 284 Sec=27
441 J=286, 284 Sec=27
442 J=158, 287 Sec=27

LANE
: Case = 1 ----- G1 Max DB 1선
Name=LGI1
Path= 1, 9, 1, Ecc=0.538
Path= 10, 19, 1, Ecc=0.538
Path= 20, 29, 1, Ecc=0.538

Path= 30, 39, 1, Ecc=0.538
Path= 40, 49, 1, Ecc=0.538
Path= 50, 59, 1, Ecc=0.538
Path= 60, 69, 1, Ecc=0.538
Path= 70, 78, 1, Ecc=0.538
Name=LGI51
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=LIG2
Path= 79, 87, 1, Ecc=1.715
Path= 88, 97, 1, Ecc=1.715
Path= 98, 107, 1, Ecc=1.715
Path= 108, 117, 1, Ecc=1.715
Path= 118, 127, 1, Ecc=1.715
Path= 128, 137, 1, Ecc=1.715
Path= 138, 147, 1, Ecc=1.715
Path= 148, 156, 1, Ecc=1.715

: Case = 2 ----- G1 Max DB 2선
Name=L2GI1
Path= 1, 9, 1, Ecc=0.043
Path= 10, 19, 1, Ecc=0.043
Path= 20, 29, 1, Ecc=0.043
Path= 30, 39, 1, Ecc=0.043
Path= 40, 49, 1, Ecc=0.043
Path= 50, 59, 1, Ecc=0.043
Path= 60, 69, 1, Ecc=0.043
Path= 70, 78, 1, Ecc=0.043
Name=L2GIS1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L2G2
Path= 79, 87, 1, Ecc=1.601
Path= 88, 97, 1, Ecc=1.601
Path= 98, 107, 1, Ecc=1.601
Path= 108, 117, 1, Ecc=1.601
Path= 118, 127, 1, Ecc=1.601
Path= 128, 137, 1, Ecc=1.601
Path= 138, 147, 1, Ecc=1.601
Path= 148, 156, 1, Ecc=1.601

: Case = 3 ----- G1 Max DB 3선
Name=L3GI1
Path= 1, 9, 1, Ecc=0.047
Path= 10, 19, 1, Ecc=0.047
Path= 20, 29, 1, Ecc=0.047
Path= 30, 39, 1, Ecc=0.047
Path= 40, 49, 1, Ecc=0.047
Path= 50, 59, 1, Ecc=0.047
Path= 60, 69, 1, Ecc=0.047
Path= 70, 78, 1, Ecc=0.047
Name=L3GIS1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L3G2

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Path= 79, 87, 1, Ecc=-0.760
Path= 88, 97, 1, Ecc=-0.760
Path= 98, 107, 1, Ecc=-0.760
Path= 108, 117, 1, Ecc=-0.760
Path= 118, 127, 1, Ecc=-0.760
Path= 128, 137, 1, Ecc=-0.760
Path= 138, 147, 1, Ecc=-0.760
Path= 148, 156, 1, Ecc=-0.760

: Case = 4 ----- G2 Max DB 1선
Name=L6G1
Path= 1, 9, 1, Ecc=-1.715
Path= 10, 19, 1, Ecc=-1.715
Path= 20, 29, 1, Ecc=-1.715
Path= 30, 39, 1, Ecc=-1.715
Path= 40, 49, 1, Ecc=-1.715
Path= 50, 59, 1, Ecc=-1.715
Path= 60, 69, 1, Ecc=-1.715
Path= 70, 78, 1, Ecc=-1.715
Name=L6G1S1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L6G2
Path= 79, 87, 1, Ecc=-0.538
Path= 88, 97, 1, Ecc=-0.538
Path= 98, 107, 1, Ecc=-0.538
Path= 108, 117, 1, Ecc=-0.538
Path= 118, 127, 1, Ecc=-0.538
Path= 128, 137, 1, Ecc=-0.538
Path= 138, 147, 1, Ecc=-0.538
Path= 148, 156, 1, Ecc=-0.538

: Case = 5 ----- G2 Max DB 2선
Name=L5G1
Path= 1, 9, 1, Ecc=-1.601
Path= 10, 19, 1, Ecc=-1.601
Path= 20, 29, 1, Ecc=-1.601
Path= 30, 39, 1, Ecc=-1.601
Path= 40, 49, 1, Ecc=-1.601
Path= 50, 59, 1, Ecc=-1.601
Path= 60, 69, 1, Ecc=-1.601
Path= 70, 78, 1, Ecc=-1.601
Name=L5G1S1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L5G2
Path= 79, 87, 1, Ecc=-0.043
Path= 88, 97, 1, Ecc=-0.043
Path= 98, 107, 1, Ecc=-0.043
Path= 108, 117, 1, Ecc=-0.043
Path= 118, 127, 1, Ecc=-0.043
Path= 128, 137, 1, Ecc=-0.043
Path= 138, 147, 1, Ecc=-0.043
Path= 148, 156, 1, Ecc=-0.043

: Case = 6 ----- G2 Max DB 3선
Name=L6G1
Path= 1, 9, 1, Ecc=-0.760
Path= 10, 19, 1, Ecc=-0.760
Path= 20, 29, 1, Ecc=-0.760
Path= 30, 39, 1, Ecc=-0.760

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Path= 40, 49, 1, Ecc=-0.760
Path= 50, 59, 1, Ecc=-0.760
Path= 60, 69, 1, Ecc=-0.760
Path= 70, 78, 1, Ecc=-0.760
Name=L6G1S1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L6G2
Path= 79, 87, 1, Ecc=-0.047
Path= 88, 97, 1, Ecc=-0.047
Path= 98, 107, 1, Ecc=-0.047
Path= 108, 117, 1, Ecc=-0.047
Path= 118, 127, 1, Ecc=-0.047
Path= 128, 137, 1, Ecc=-0.047
Path= 138, 147, 1, Ecc=-0.047
Path= 148, 156, 1, Ecc=-0.047

: Case = 7 ----- G1 Max DL 1선
Name=L7G1
Path= 1, 9, 1, Ecc=0.534
Path= 10, 19, 1, Ecc=0.534
Path= 20, 29, 1, Ecc=0.534
Path= 30, 39, 1, Ecc=0.534
Path= 40, 49, 1, Ecc=0.534
Path= 50, 59, 1, Ecc=0.534
Path= 60, 69, 1, Ecc=0.534
Path= 70, 78, 1, Ecc=0.534
Name=L7G1S1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L7G2
Path= 79, 87, 1, Ecc=1.715
Path= 88, 97, 1, Ecc=1.715
Path= 98, 107, 1, Ecc=1.715
Path= 108, 117, 1, Ecc=1.715
Path= 118, 127, 1, Ecc=1.715
Path= 128, 137, 1, Ecc=1.715
Path= 138, 147, 1, Ecc=1.715
Path= 148, 156, 1, Ecc=1.715

: Case = 8 ----- G1 Max DL 2선
Name=L8G1
Path= 1, 9, 1, Ecc=0.045
Path= 10, 19, 1, Ecc=0.045
Path= 20, 29, 1, Ecc=0.045
Path= 30, 39, 1, Ecc=0.045
Path= 40, 49, 1, Ecc=0.045
Path= 50, 59, 1, Ecc=0.045
Path= 60, 69, 1, Ecc=0.045
Path= 70, 78, 1, Ecc=0.045
Name=L8G1S1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L8G2
Path= 79, 87, 1, Ecc=1.785

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Path= 88, 97, 1, Ecc=1.785
Path= 98, 107, 1, Ecc=1.785
Path= 108, 117, 1, Ecc=1.785
Path= 118, 127, 1, Ecc=1.785
Path= 128, 137, 1, Ecc=1.785
Path= 138, 147, 1, Ecc=1.785
Path= 148, 156, 1, Ecc=1.785

: Case = 9 ----- G1 Max DL 3선
Name=L9G1
Path= 1, 9, 1, Ecc=0.044
Path= 10, 19, 1, Ecc=0.044
Path= 20, 29, 1, Ecc=0.044
Path= 30, 39, 1, Ecc=0.044
Path= 40, 49, 1, Ecc=0.044
Path= 50, 59, 1, Ecc=0.044
Path= 60, 69, 1, Ecc=0.044
Path= 70, 78, 1, Ecc=0.044
Name=L9G1S1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L9G2
Path= 79, 87, 1, Ecc=0.780
Path= 88, 97, 1, Ecc=0.780
Path= 98, 107, 1, Ecc=0.780
Path= 108, 117, 1, Ecc=0.780
Path= 118, 127, 1, Ecc=0.780
Path= 128, 137, 1, Ecc=0.780
Path= 138, 147, 1, Ecc=0.780
Path= 148, 156, 1, Ecc=0.780

: Case = 10 ----- G2 Max DL 1선
Name=L10G1
Path= 1, 9, 1, Ecc=-1.715
Path= 10, 19, 1, Ecc=-1.715
Path= 20, 29, 1, Ecc=-1.715
Path= 30, 39, 1, Ecc=-1.715
Path= 40, 49, 1, Ecc=-1.715
Path= 50, 59, 1, Ecc=-1.715
Path= 60, 69, 1, Ecc=-1.715
Path= 70, 78, 1, Ecc=-1.715
Name=L10G1S1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L10G2
Path= 79, 87, 1, Ecc=-0.534
Path= 88, 97, 1, Ecc=-0.534
Path= 98, 107, 1, Ecc=-0.534
Path= 108, 117, 1, Ecc=-0.534
Path= 118, 127, 1, Ecc=-0.534
Path= 128, 137, 1, Ecc=-0.534
Path= 138, 147, 1, Ecc=-0.534
Path= 148, 156, 1, Ecc=-0.534

: Case = 11 ----- G2 Max DL 2선
Name=L11G1
Path= 1, 9, 1, Ecc=-1.785
Path= 10, 19, 1, Ecc=-1.785
Path= 20, 29, 1, Ecc=-1.785
Path= 30, 39, 1, Ecc=-1.785
Path= 40, 49, 1, Ecc=-1.785
Path= 50, 59, 1, Ecc=-1.785
Path= 60, 69, 1, Ecc=-1.785
Path= 70, 78, 1, Ecc=-1.785

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Name=L11G1S1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L11G2
Path= 79, 87, 1, Ecc=-0.045
Path= 88, 97, 1, Ecc=-0.045
Path= 98, 107, 1, Ecc=-0.045
Path= 108, 117, 1, Ecc=-0.045
Path= 118, 127, 1, Ecc=-0.045
Path= 128, 137, 1, Ecc=-0.045
Path= 138, 147, 1, Ecc=-0.045
Path= 148, 156, 1, Ecc=-0.045

: Case = 12 ----- G2 Max DL 3선
Name=L12G1
Path= 1, 9, 1, Ecc=-0.780
Path= 10, 19, 1, Ecc=-0.780
Path= 20, 29, 1, Ecc=-0.780
Path= 30, 39, 1, Ecc=-0.780
Path= 40, 49, 1, Ecc=-0.780
Path= 50, 59, 1, Ecc=-0.780
Path= 60, 69, 1, Ecc=-0.780
Path= 70, 78, 1, Ecc=-0.780
Name=L12G1S1
Path= 315, 323, 1, Ecc=0.000
Path= 324, 333, 1, Ecc=0.000
Path= 334, 343, 1, Ecc=0.000
Path= 344, 353, 1, Ecc=0.000
Path= 354, 363, 1, Ecc=0.000
Path= 364, 373, 1, Ecc=0.000
Path= 374, 383, 1, Ecc=0.000
Path= 384, 392, 1, Ecc=0.000
Name=L12G2
Path= 79, 87, 1, Ecc=-0.044
Path= 88, 97, 1, Ecc=-0.044
Path= 98, 107, 1, Ecc=-0.044
Path= 108, 117, 1, Ecc=-0.044
Path= 118, 127, 1, Ecc=-0.044
Path= 128, 137, 1, Ecc=-0.044
Path= 138, 147, 1, Ecc=-0.044
Path= 148, 156, 1, Ecc=-0.044

VEHICLES
Name=1 TYPE=Gen : DB-24
P=24.000
D=4.200 P=96.000
D=4.200 9.000 P=96.000

Name=2 TYPE=Gen : DL-24
W=4.233 PM=36.000 PKM=52.000

Vehicle Class
Name=1
Vehi=1
Name=2
Vehi=2

Bridge Response
Elem=Frame
Add=>
Elem=Joint Type=DISP
Add=>
Elem=Joint Type=REAC
Add=>

MOVING LOAD
Name=1 RI=1.000 : G1 Max DB 1선
Lane= L1G1 Class=1 Lmin= 1 Lmax= 1 SF=2.088
Lane= L1G2 Class=1 Lmin= 1 Lmax= 1 SF=0.022

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Name= 2 Rf=1,000 : G1 Max DB 2선
Lane= L2G1 Class=1 Lmin= 1 Lmax= 1 Sf=2,761
Lane= L2G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1,242

Name= 3 Rf=0,900 : G1 Max DB 3선
Lane= L3G1 Class=1 Lmin= 1 Lmax= 1 Sf=2,754
Lane= L3G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1,280
Lane= L3G2 Class=1 Lmin= 1 Lmax= 1 Sf=1,966

Name= 4 Rf=1,000 : G2 Max DB 1선
Lane= L4G1 Class=1 Lmin= 1 Lmax= 1 Sf=0,022
Lane= L4G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,088

Name= 5 Rf=1,000 : G2 Max DB 2선
Lane= L5G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1,242
Lane= L5G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,761

Name= 6 Rf=0,900 : G2 Max DB 3선
Lane= L6G1 Class=1 Lmin= 1 Lmax= 1 Sf=1,966
Lane= L6G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1,280
Lane= L6G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,754

Name= 7 Rf=1,000 : G1 Max DL 1선
Lane= L7G1 Class=2 Lmin= 1 Lmax= 1 Sf=3,135
Lane= L7G2 Class=2 Lmin= 1 Lmax= 1 Sf=0,035

Name= 8 Rf=1,000 : G1 Max DL 2선
Lane= L8G1 Class=2 Lmin= 1 Lmax= 1 Sf=4,126
Lane= L8G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,902

Name= 9 Rf=0,900 : G1 Max DL 3선
Lane= L9G1 Class=2 Lmin= 1 Lmax= 1 Sf=4,129
Lane= L9G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,909
Lane= L9G2 Class=2 Lmin= 1 Lmax= 1 Sf=2,962

Name= 10 Rf=1,000 : G2 Max DL 1선
Lane= L10G1 Class=2 Lmin= 1 Lmax= 1 Sf=0,035
Lane= L10G2 Class=2 Lmin= 1 Lmax= 1 Sf=3,135

Name= 11 Rf=1,000 : G2 Max DL 2선
Lane= L11G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,902
Lane= L11G2 Class=2 Lmin= 1 Lmax= 1 Sf=4,126

Name= 12 Rf=0,900 : G2 Max DL 3선
Lane= L12G1 Class=2 Lmin= 1 Lmax= 1 Sf=2,962
Lane= L12G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,909
Lane= L12G2 Class=2 Lmin= 1 Lmax= 1 Sf=4,129

COMBO
Name=G1XDB1 Type=ENVE : G1 Max DB 1선
MOVE=1 sf=1,181

Name=G1XDB2 Type=ENVE : G1 Max DB 2선
MOVE=2 sf=1,181

Name=G1XDB3 Type=ENVE : G1 Max DB 3선
MOVE=3 sf=1,181

Name=G2XDB1 Type=ENVE : G2 Max DB 1선
MOVE=4 sf=1,181

Name=G2XDB2 Type=ENVE : G2 Max DB 2선
MOVE=5 sf=1,181

Name=G2XDB3 Type=ENVE : G2 Max DB 3선
MOVE=6 sf=1,181

Name=G1XDL1 Type=ENVE : G1 Max DL 1선
MOVE=7 sf=1,181

Name=G1XDL2 Type=ENVE : G1 Max DL 2선
MOVE=8 sf=1,181

Name=G1XDL3 Type=ENVE : G1 Max DL 3선
MOVE=9 sf=1,181

Name=G2XDL1 Type=ENVE : G2 Max DL 1선
MOVE=10 sf=1,181

Name=G2XDL2 Type=ENVE : G2 Max DL 2선
MOVE=11 sf=1,181

Name=G2XDL3 Type=ENVE : G2 Max DL 3선
MOVE=12 sf=1,181

Name=DB Type=ENVE :
COMB=G1XDB1 sf=1,000
COMB=G1XDB2 sf=1,000
COMB=G1XDB3 sf=1,000
COMB=G2XDB1 sf=1,000
COMB=G2XDB2 sf=1,000
COMB=G2XDB3 sf=1,000

Name=DL Type=ENVE :
COMB=G1XDL1 sf=1,000
COMB=G1XDL2 sf=1,000
COMB=G1XDL3 sf=1,000
COMB=G2XDL1 sf=1,000
COMB=G2XDL2 sf=1,000
COMB=G2XDL3 sf=1,000

Name=CAR Type=ENVE :
COMB=DB sf=1,000
COMB=DL sf=1,000

Name=DESIGN Type=ENVE :
COMB=CAR sf=1,000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD== COMB==
ELEM=FRAME TYPE=FORCE LOAD== COMB==

4) 부등침하

< UNEQUAL SETTLEMENT >

SYSTEM
LENGTH=M FORCE=KN

JOINT
1 X= 0,000 Y=0,000 Z=0,000
2 X= 2,747 Y=0,278 Z=0,000
3 X= 7,744 Y=0,772 Z=0,000
4 X= 12,742 Y=1,254 Z=0,000
5 X= 17,741 Y=1,722 Z=0,000
6 X= 22,741 Y=2,178 Z=0,000
7 X= 27,743 Y=2,620 Z=0,000
8 X= 32,746 Y=3,049 Z=0,000
9 X= 37,749 Y=3,464 Z=0,000
10 X= 42,758 Y=3,867 Z=0,000
11 X= 47,760 Y=4,256 Z=0,000
12 X= 52,767 Y=4,633 Z=0,000
13 X= 57,775 Y=4,996 Z=0,000
14 X= 62,784 Y=5,345 Z=0,000
15 X= 67,794 Y=5,682 Z=0,000
16 X= 72,804 Y=6,006 Z=0,000
17 X= 77,816 Y=6,316 Z=0,000
18 X= 82,828 Y=6,613 Z=0,000
19 X= 87,841 Y=6,897 Z=0,000
20 X= 92,856 Y=7,168 Z=0,000
21 X= 97,869 Y=7,425 Z=0,000
22 X= 102,884 Y=7,670 Z=0,000
23 X= 107,900 Y=7,901 Z=0,000
24 X= 112,916 Y=8,119 Z=0,000
25 X= 117,933 Y=8,324 Z=0,000
26 X= 122,951 Y=8,515 Z=0,000
27 X= 127,968 Y=8,694 Z=0,000
28 X= 132,987 Y=8,859 Z=0,000
29 X= 138,006 Y=9,011 Z=0,000
30 X= 143,028 Y=9,149 Z=0,000
31 X= 148,044 Y=9,275 Z=0,000
32 X= 153,064 Y=9,387 Z=0,000
33 X= 158,084 Y=9,486 Z=0,000
34 X= 163,104 Y=9,572 Z=0,000
35 X= 168,125 Y=9,645 Z=0,000
36 X= 173,146 Y=9,704 Z=0,000
37 X= 178,166 Y=9,751 Z=0,000
38 X= 183,187 Y=9,784 Z=0,000
39 X= 188,208 Y=9,803 Z=0,000
40 X= 193,233 Y=9,810 Z=0,000
41 X= 198,250 Y=9,803 Z=0,000
42 X= 203,271 Y=9,784 Z=0,000
43 X= 208,292 Y=9,751 Z=0,000
44 X= 213,313 Y=9,704 Z=0,000
45 X= 218,334 Y=9,645 Z=0,000
46 X= 223,354 Y=9,572 Z=0,000
47 X= 228,375 Y=9,486 Z=0,000
48 X= 233,395 Y=9,387 Z=0,000
49 X= 238,415 Y=9,275 Z=0,000
50 X= 243,437 Y=9,149 Z=0,000
51 X= 248,453 Y=9,011 Z=0,000
52 X= 253,472 Y=8,859 Z=0,000
53 X= 258,490 Y=8,694 Z=0,000
54 X= 263,508 Y=8,515 Z=0,000
55 X= 268,526 Y=8,324 Z=0,000
56 X= 273,543 Y=8,119 Z=0,000
57 X= 278,559 Y=7,901 Z=0,000
58 X= 283,575 Y=7,670 Z=0,000
59 X= 288,590 Y=7,425 Z=0,000
60 X= 293,607 Y=7,168 Z=0,000
61 X= 298,618 Y=6,897 Z=0,000
62 X= 303,631 Y=6,614 Z=0,000
63 X= 308,643 Y=6,316 Z=0,000
64 X= 313,655 Y=6,006 Z=0,000
65 X= 318,665 Y=5,683 Z=0,000
66 X= 323,675 Y=5,346 Z=0,000

67 X= 328,684 Y=4,996 Z=0,000
68 X= 333,692 Y=4,633 Z=0,000
69 X= 338,699 Y=4,257 Z=0,000
70 X= 343,708 Y=3,867 Z=0,000
71 X= 348,709 Y=3,465 Z=0,000
72 X= 353,713 Y=3,049 Z=0,000
73 X= 358,716 Y=2,620 Z=0,000
74 X= 363,718 Y=2,178 Z=0,000
75 X= 368,718 Y=1,723 Z=0,000
76 X= 373,717 Y=1,255 Z=0,000
77 X= 378,715 Y=0,773 Z=0,000
78 X= 383,712 Y=0,278 Z=0,000
79 X= 388,665 Y=0,000 Z=0,000
80 X= 0,742 Y=-7,262 Z=-0,293
81 X= 3,476 Y=-6,986 Z=-0,293
82 X= 8,454 Y=-6,493 Z=-0,293
83 X= 13,432 Y=-6,013 Z=-0,293
84 X= 18,412 Y=-5,547 Z=-0,293
85 X= 23,394 Y=-5,093 Z=-0,293
86 X= 28,376 Y=-4,653 Z=-0,293
87 X= 33,360 Y=-4,226 Z=-0,293
88 X= 38,344 Y=-3,811 Z=-0,293
89 X= 43,333 Y=-3,410 Z=-0,293
90 X= 48,317 Y=-3,022 Z=-0,293
91 X= 53,305 Y=-2,648 Z=-0,293
92 X= 58,293 Y=-2,286 Z=-0,293
93 X= 63,283 Y=-1,937 Z=-0,293
94 X= 68,274 Y=-1,602 Z=-0,293
95 X= 73,265 Y=-1,280 Z=-0,293
96 X= 78,257 Y=-0,971 Z=-0,293
97 X= 83,250 Y=-0,675 Z=-0,293
98 X= 88,244 Y=-0,392 Z=-0,293
99 X= 93,242 Y=-0,122 Z=-0,293
100 X= 98,234 Y=0,134 Z=-0,293
101 X= 103,230 Y=0,378 Z=-0,293
102 X= 108,226 Y=0,608 Z=-0,293
103 X= 113,224 Y=0,825 Z=-0,293
104 X= 118,221 Y=1,029 Z=-0,293
105 X= 123,219 Y=1,220 Z=-0,293
106 X= 128,218 Y=1,398 Z=-0,293
107 X= 133,217 Y=1,562 Z=-0,293
108 X= 138,217 Y=1,714 Z=-0,293
109 X= 143,220 Y=1,852 Z=-0,293
110 X= 148,217 Y=1,977 Z=-0,293
111 X= 153,218 Y=2,089 Z=-0,293
112 X= 158,219 Y=2,187 Z=-0,293
113 X= 163,220 Y=2,273 Z=-0,293
114 X= 168,221 Y=2,345 Z=-0,293
115 X= 173,222 Y=2,405 Z=-0,293
116 X= 178,224 Y=2,451 Z=-0,293
117 X= 183,226 Y=2,484 Z=-0,293
118 X= 188,228 Y=2,503 Z=-0,293
119 X= 193,233 Y=2,510 Z=-0,293
120 X= 198,231 Y=2,503 Z=-0,293
121 X= 203,233 Y=2,484 Z=-0,293
122 X= 208,235 Y=2,451 Z=-0,293
123 X= 213,236 Y=2,405 Z=-0,293
124 X= 218,238 Y=2,346 Z=-0,293
125 X= 223,239 Y=2,273 Z=-0,293
126 X= 228,240 Y=2,188 Z=-0,293
127 X= 233,241 Y=2,089 Z=-0,293
128 X= 238,242 Y=1,977 Z=-0,293
129 X= 243,245 Y=1,852 Z=-0,293
130 X= 248,242 Y=1,714 Z=-0,293
131 X= 253,242 Y=1,563 Z=-0,293
132 X= 258,241 Y=1,398 Z=-0,293
133 X= 263,239 Y=1,220 Z=-0,293
134 X= 268,238 Y=1,030 Z=-0,293
135 X= 273,235 Y=0,826 Z=-0,293
136 X= 278,232 Y=0,608 Z=-0,293
137 X= 283,229 Y=0,378 Z=-0,293
138 X= 288,225 Y=0,135 Z=-0,293
139 X= 293,223 Y=-0,122 Z=-0,293

140 X= 298.215 Y=-0.391 Z=-0.293
141 X= 303.288 Y=-0.674 Z=-0.293
142 X= 308.202 Y=-0.970 Z=-0.293
143 X= 313.194 Y=-1.279 Z=-0.293
144 X= 318.185 Y=-1.602 Z=-0.293
145 X= 323.176 Y=-1.937 Z=-0.293
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147 X= 333.154 Y=-2.647 Z=-0.293
148 X= 338.142 Y=-3.022 Z=-0.293
149 X= 343.132 Y=-3.410 Z=-0.293
150 X= 348.115 Y=-3.811 Z=-0.293
151 X= 353.089 Y=-4.225 Z=-0.293
152 X= 358.063 Y=-4.652 Z=-0.293
153 X= 363.065 Y=-5.093 Z=-0.293
154 X= 368.046 Y=-5.546 Z=-0.293
155 X= 373.027 Y=-6.013 Z=-0.293
156 X= 378.005 Y=-6.492 Z=-0.293
157 X= 382.983 Y=-6.985 Z=-0.293
158 X= 388.723 Y=-7.262 Z=-0.293
159 X= 0.371 Y=-3.631 Z=-0.146
160 X= 3.112 Y=-3.354 Z=-0.146
161 X= 8.899 Y=-2.860 Z=-0.147
162 X= 13.087 Y=-2.380 Z=-0.146
163 X= 18.077 Y=-1.912 Z=-0.147
164 X= 23.067 Y=-1.458 Z=-0.147
165 X= 28.059 Y=-1.017 Z=-0.146
166 X= 33.053 Y=-0.589 Z=-0.146
167 X= 38.047 Y=-0.174 Z=-0.146
168 X= 43.045 Y=0.229 Z=-0.147
169 X= 48.038 Y=0.617 Z=-0.146
170 X= 53.036 Y=0.992 Z=-0.147
171 X= 58.034 Y=1.355 Z=-0.146
172 X= 63.033 Y=1.704 Z=-0.147
173 X= 68.034 Y=2.040 Z=-0.147
174 X= 73.035 Y=2.363 Z=-0.146
175 X= 78.036 Y=2.673 Z=-0.147
176 X= 83.039 Y=2.969 Z=-0.146
177 X= 88.043 Y=3.253 Z=-0.146
178 X= 93.050 Y=3.523 Z=-0.147
179 X= 98.052 Y=3.780 Z=-0.146
180 X= 103.057 Y=4.024 Z=-0.147
181 X= 108.063 Y=4.255 Z=-0.146
182 X= 113.070 Y=4.472 Z=-0.147
183 X= 118.077 Y=4.676 Z=-0.146
184 X= 123.085 Y=4.868 Z=-0.146
185 X= 128.093 Y=5.046 Z=-0.147
186 X= 133.102 Y=5.210 Z=-0.146
187 X= 138.111 Y=5.362 Z=-0.146
188 X= 143.124 Y=5.501 Z=-0.146
189 X= 148.131 Y=5.626 Z=-0.146
190 X= 153.141 Y=5.738 Z=-0.146
191 X= 158.151 Y=5.837 Z=-0.146
192 X= 163.162 Y=5.923 Z=-0.147
193 X= 168.173 Y=5.995 Z=-0.147
194 X= 173.184 Y=6.055 Z=-0.146
195 X= 178.195 Y=6.101 Z=-0.147
196 X= 183.207 Y=6.134 Z=-0.147
197 X= 188.218 Y=6.153 Z=-0.147
198 X= 193.233 Y=6.160 Z=-0.147
199 X= 198.241 Y=6.153 Z=-0.146
200 X= 203.252 Y=6.134 Z=-0.147
201 X= 208.264 Y=6.101 Z=-0.147
202 X= 213.275 Y=6.055 Z=-0.147
203 X= 218.286 Y=5.995 Z=-0.147
204 X= 223.297 Y=5.923 Z=-0.147
205 X= 228.308 Y=5.837 Z=-0.147
206 X= 233.318 Y=5.738 Z=-0.147
207 X= 238.328 Y=5.626 Z=-0.146
208 X= 243.341 Y=5.501 Z=-0.147
209 X= 248.348 Y=5.362 Z=-0.147
210 X= 253.357 Y=5.211 Z=-0.147
211 X= 258.366 Y=5.046 Z=-0.146
212 X= 263.374 Y=4.868 Z=-0.147

- 65 -

286 X= 343.066 Y=-4.240 Z=-1.593
287 X= 386.723 Y=-7.262 Z=-1.093

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ADD= 239 ANG=0.217
ADD= 240 ANG=-0.778
ADD= 242 ANG=-0.516
ADD= 243 ANG=0.118
ADD= 245 ANG=-2.655
ADD= 246 ANG=-1.710
ADD= 248 ANG=-7.530
ADD= 249 ANG=-5.862
ADD= 251 ANG=0.000
ADD= 252 ANG=0.000
ADD= 254 ANG=-1.508
ADD= 255 ANG=-1.508
ADD= 257 ANG=6.022
ADD= 258 ANG=4.155
ADD= 260 ANG=1.147
ADD= 261 ANG=-0.202
ADD= 262 ANG=-1.074
ADD= 264 ANG=2.377
ADD= 265 ANG=2.941
ADD= 267 ANG=1.627
ADD= 268 ANG=2.262
ADD= 270 ANG=0.555
ADD= 271 ANG=1.508
ADD= 273 ANG=0.754
ADD= 274 ANG=0.754
ADD= 276 ANG=0.000
ADD= 277 ANG=0.000
ADD= 279 ANG=-1.508
ADD= 280 ANG=-1.508
ADD= 282 ANG=-2.262
ADD= 283 ANG=-2.262
ADD= 285 ANG=-2.063
ADD= 286 ANG=-3.016
ADD= 287 ANG=-3.326

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ADD= 242 DOF= U3,
ADD= 243 DOF= U3,
ADD= 245 DOF= U3,
ADD= 246 DOF= U3,
ADD= 248 DOF= U3,
ADD= 249 DOF= U3,
ADD= 251 DOF= U1, U3,
ADD= 252 DOF= U1, U3,
ADD= 254 DOF= U1, U3,
ADD= 255 DOF= U1, U3,
ADD= 257 DOF= U3,
ADD= 258 DOF= U3,
ADD= 260 DOF= U3,
ADD= 261 DOF= U3,
ADD= 262 DOF= U3,
ADD= 264 DOF= U2, U3,
ADD= 265 DOF= U2, U3,
ADD= 267 DOF= U2, U3,
ADD= 268 DOF= U2, U3,
ADD= 270 DOF= U2, U3,
ADD= 271 DOF= U2, U3,
ADD= 273 DOF= U2, U3,
ADD= 274 DOF= U2, U3,
ADD= 276 DOF= U1, U2, U3,
ADD= 277 DOF= U1, U2, U3,
ADD= 279 DOF= U1, U2, U3,
ADD= 280 DOF= U1, U2, U3,
ADD= 282 DOF= U2, U3,
ADD= 283 DOF= U2, U3,
ADD= 285 DOF= U2, U3,
ADD= 286 DOF= U2, U3,

- 67 -

213 X= 268.382 Y=4.677 Z=-0.147
214 X= 273.389 Y=4.472 Z=-0.146
215 X= 278.386 Y=4.255 Z=-0.147
216 X= 283.402 Y=4.024 Z=-0.147
217 X= 288.407 Y=3.780 Z=-0.147
218 X= 293.415 Y=3.523 Z=-0.147
219 X= 298.416 Y=3.253 Z=-0.146
220 X= 303.420 Y=2.970 Z=-0.146
221 X= 308.422 Y=2.673 Z=-0.147
222 X= 313.424 Y=2.363 Z=-0.147
223 X= 318.425 Y=2.040 Z=-0.146
224 X= 323.425 Y=1.704 Z=-0.147
225 X= 328.425 Y=1.355 Z=-0.146
226 X= 333.423 Y=0.993 Z=-0.146
227 X= 338.420 Y=0.617 Z=-0.146
228 X= 343.420 Y=0.229 Z=-0.146
229 X= 348.412 Y=-0.173 Z=-0.147
230 X= 353.406 Y=-0.588 Z=-0.146
231 X= 358.399 Y=-1.016 Z=-0.146
232 X= 363.391 Y=-1.457 Z=-0.147
233 X= 368.382 Y=-1.912 Z=-0.146
234 X= 373.372 Y=-2.379 Z=-0.147
235 X= 378.360 Y=-2.860 Z=-0.147
236 X= 383.347 Y=-3.353 Z=-0.146
237 X= 386.094 Y=-3.631 Z=-0.146
238 X= 0.000 Y=0.000 Z=-0.800
239 X= -0.097 Y=0.945 Z=-0.800
240 X= 0.097 Y=-0.945 Z=-0.800
241 X= 42.758 Y=3.867 Z=-1.300
242 X= 42.692 Y=4.697 Z=-1.300
243 X= 42.823 Y=3.038 Z=-1.300
244 X= 92.858 Y=7.168 Z=-1.300
245 X= 92.814 Y=7.999 Z=-1.300
246 X= 92.902 Y=6.337 Z=-1.300
247 X= 143.028 Y=9.149 Z=-1.300
248 X= 143.006 Y=9.981 Z=-1.300
249 X= 143.050 Y=8.318 Z=-1.300
250 X= 193.233 Y=9.810 Z=-1.300
251 X= 193.233 Y=10.642 Z=-1.300
252 X= 193.233 Y=8.978 Z=-1.300
253 X= 243.437 Y=9.149 Z=-1.300
254 X= 243.459 Y=9.981 Z=-1.300
255 X= 243.416 Y=8.318 Z=-1.300
256 X= 293.607 Y=7.168 Z=-1.300
257 X= 293.651 Y=7.999 Z=-1.300
258 X= 293.564 Y=6.337 Z=-1.300
259 X= 343.708 Y=3.867 Z=-1.300
260 X= 343.773 Y=4.697 Z=-1.300
261 X= 343.642 Y=3.038 Z=-1.300
262 X= 386.465 Y=0.000 Z=-0.800
263 X= 0.742 Y=-7.262 Z=-1.093
264 X= 0.846 Y=-6.317 Z=-1.093
265 X= 0.839 Y=-8.207 Z=-1.093
266 X= 43.333 Y=-3.410 Z=-1.593
267 X= 43.268 Y=-2.581 Z=-1.593
268 X= 43.399 Y=-4.240 Z=-1.593
269 X= 93.242 Y=-0.122 Z=-1.593
270 X= 93.198 Y=0.709 Z=-1.593
271 X= 93.286 Y=-0.953 Z=-1.593
272 X= 143.220 Y=1.852 Z=-1.593
273 X= 143.198 Y=2.684 Z=-1.593
274 X= 143.242 Y=1.020 Z=-1.593
275 X= 193.233 Y=2.510 Z=-1.593
276 X= 193.233 Y=3.342 Z=-1.593
277 X= 193.233 Y=1.678 Z=-1.593
278 X= 243.245 Y=1.852 Z=-1.593
279 X= 243.267 Y=2.684 Z=-1.593
280 X= 243.223 Y=1.020 Z=-1.593
281 X= 293.223 Y=-0.122 Z=-1.593
282 X= 293.267 Y=0.709 Z=-1.593
283 X= 293.180 Y=-0.953 Z=-1.593
284 X= 343.192 Y=-3.410 Z=-1.593
285 X= 343.198 Y=-2.581 Z=-1.593

- 66 -

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Name=27
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Name= 2 Mat= 2 A=0.34123 I=0.17156391, 0.85618753 J=0.14042597 : GIRDER
Name= 3 Mat= 3 A=0.36315 I=0.19586780, 0.87207757 J=0.15208577 : GIRDER
Name= 4 Mat= 4 A=0.35219 I=0.17209912, 0.86416641 J=0.14170325 : GIRDER
Name= 5 A=0.38167 I=0.21634241, 0.8406724 J=0.15334281 : GIRDER
Name= 6 Mat= 6 A=0.40515 I=0.26890654, 0.91063796 J=0.19456917 : GIRDER
Name= 7 A=0.42243 I=0.51255982, 0.93914008 J=0.29407566 : GIRDER
Name= 8 Mat= 8 A=0.38323 I=0.24041110, 0.89518728 J=0.18303501 : GIRDER
Name= 9 A=0.35219 I=0.18868427, 0.86416641 J=0.14170325 : GIRDER
Name= 10 Mat= 10 A=0.34879 I=0.17476880, 0.86045790 J=0.13427272 : GIRDER
Name= 11 Mat= 11 A=0.34671 I=0.17183333, 0.86018564 J=0.14108490 : GIRDER
Name= 12 Mat= 12 A=0.34123 I=0.15750728, 0.85618753 J=0.13427272 : GIRDER
Name= 13 Mat= 13 A=0.37411 I=0.20044406, 0.87952696 J=0.15394281 : GIRDER
Name= 14 A=0.38871 I=0.24100073, 0.89906832 J=0.18378672 : GIRDER

- 68 -

Name= 15 Mat= 15 A=0.41147 I=0.48704672, 0.93150743 J=0.28753575 : GIRDER
Name= 16 Mat= 16 A=0.38871 I=0.25402931, 0.89906532 J=0.18835977 : GIRDER
Name= 17 Mat= 17 A=0.36315 I=0.21507525, 0.87207757 J=0.15206577 : GIRDER
Name= 18 Mat= 18 A=0.35427 I=0.17505248, 0.86443196 J=0.13484036 : GIRDER
Name= 19 Mat= 19 A=0.37071 I=0.18955335, 0.87625735 J=0.14283505 : GIRDER
Name= 20 Mat= 20 A=0.39419 I=0.25470168, 0.90293677 J=0.18914844 : GIRDER
Name= 21 Mat= 21 A=0.37411 I=0.21605746, 0.87932896 J=0.15334281 : GIRDER
Name= 22 Mat= 22 A=0.41695 I=0.51075904, 0.93532895 J=0.29315490 : GIRDER
Name= 23 Mat= 23 A=0.39967 I=0.26806089, 0.86679315 J=0.19378928 : GIRDER
Name= 24 Mat= 24 A=0.38887 I=0.22104508, 0.89611291 J=0.17261452 : GIRDER
Name= 25 Mat= 25 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : CROSSBEAM
Name= 26 Mat= 26 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : STRINGER
Name= 27 Mat= 27 A=10.00000 I=10.00000000, 10.00000000 J=10.00000000 : SHCE
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Name= 29 Type=Nonpr Sec= 2, 1
Name= 30 Type=Nonpr Sec= 2, 3
Name= 31 Type=Nonpr Sec= 3, 2
Name= 32 Type=Nonpr Sec= 3, 4
Name= 33 Type=Nonpr Sec= 4, 3
Name= 34 Type=Nonpr Sec= 4, 5
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Name= 42 Type=Nonpr Sec= 8, 9
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Name= 65 Type=Nonpr Sec= 19, 14
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Name= 73 Type=Nonpr Sec= 23, 24
Name= 74 Type=Nonpr Sec= 24, 4

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2 J= 2, 3 Sec=30
3 J= 3, 4 Sec= 3
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec= 3
6 J= 6, 7 Sec=32
7 J= 7, 8 Sec=34
8 J= 8, 9 Sec=39
9 J= 9, 10 Sec=40
10 J= 10, 11 Sec=41
11 J= 11, 12 Sec=42

12 J= 12, 13 Sec=45
13 J= 13, 14 Sec=47
14 J= 14, 15 Sec=11
15 J= 15, 16 Sec=49
16 J= 16, 17 Sec=51
17 J= 17, 18 Sec=36
18 J= 18, 19 Sec=54
19 J= 19, 20 Sec=56
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25 J= 25, 26 Sec=11
26 J= 26, 27 Sec=50
27 J= 27, 28 Sec=64
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68 J= 68, 69 Sec=44
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74 J= 74, 75 Sec= 3
75 J= 75, 76 Sec= 3
76 J= 76, 77 Sec= 3
77 J= 77, 78 Sec=31
78 J= 78, 79 Sec=29
79 J= 80, 81 Sec=28
80 J= 81, 82 Sec=30
81 J= 82, 83 Sec= 3
82 J= 83, 84 Sec= 3
83 J= 84, 85 Sec= 3
84 J= 85, 86 Sec=32

85 J= 86, 87 Sec=34
86 J= 87, 88 Sec=39
87 J= 88, 89 Sec=40
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89 J= 90, 91 Sec=42
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92 J= 93, 94 Sec=11
93 J= 94, 95 Sec=49
94 J= 95, 96 Sec=51
95 J= 96, 97 Sec=36
96 J= 97, 98 Sec=54
97 J= 98, 99 Sec=56
98 J= 99, 100 Sec=59
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100 J=101, 102 Sec=62
101 J=102, 103 Sec=49
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155 J=156, 157 Sec=31
156 J=157, 158 Sec=29
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299 J= 72, 230 Sec=25 IOFF=1.250 JOFF=0.000 RIGD=1.0
300 J=230, 151 Sec=25 IOFF=0.000 JOFF=1.250 RIGD=1.0
301 J= 73, 231 Sec=25 IOFF=1.250 JOFF=0.000 RIGD=1.0
302 J=231, 152 Sec=25 IOFF=0.000 JOFF=1.250 RIGD=1.0
303 J= 74, 232 Sec=25 IOFF=1.250 JOFF=0.000 RIGD=1.0

- 73 -

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378 J=222, 223 Sec=26
379 J=223, 224 Sec=26
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381 J=225, 226 Sec=26
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416 J=261, 259 Sec=27
417 J= 79, 262 Sec=27
418 J= 80, 263 Sec=27
419 J=264, 263 Sec=27
420 J=265, 263 Sec=27
421 J= 89, 266 Sec=27
422 J=267, 266 Sec=27
423 J=268, 266 Sec=27
424 J= 99, 269 Sec=27
425 J=270, 269 Sec=27
426 J=271, 269 Sec=27
427 J=109, 272 Sec=27
428 J=273, 272 Sec=27
429 J=274, 272 Sec=27
430 J=119, 275 Sec=27
431 J=276, 275 Sec=27
432 J=277, 275 Sec=27
433 J=129, 278 Sec=27
434 J=279, 278 Sec=27
435 J=280, 278 Sec=27
436 J=139, 281 Sec=27
437 J=282, 281 Sec=27
438 J=283, 281 Sec=27
439 J=149, 284 Sec=27
440 J=285, 284 Sec=27
441 J=286, 284 Sec=27
442 J=158, 287 Sec=27

LOAD
Name=-A1 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=239 Uz=-0.010
Add=240 Uz=-0.010
Add=264 Uz=-0.010

304 J=232, 153 Sec=25 IOFF=0.000 JOFF=1.250 RIGD=1.0
305 J= 75, 233 Sec=25 IOFF=1.250 JOFF=0.000 RIGD=1.0
306 J=233, 154 Sec=25 IOFF=0.000 JOFF=1.250 RIGD=1.0
307 J= 76, 234 Sec=25 IOFF=1.250 JOFF=0.000 RIGD=1.0
308 J=234, 155 Sec=25 IOFF=0.000 JOFF=1.250 RIGD=1.0
309 J= 77, 235 Sec=25 IOFF=1.250 JOFF=0.000 RIGD=1.0
310 J=235, 156 Sec=25 IOFF=0.000 JOFF=1.250 RIGD=1.0
311 J= 78, 236 Sec=25 IOFF=1.250 JOFF=0.000 RIGD=1.0
312 J=236, 157 Sec=25 IOFF=0.000 JOFF=1.250 RIGD=1.0
313 J= 79, 237 Sec=25 IOFF=1.250 JOFF=0.000 RIGD=1.0
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315 J=159, 160 Sec=26
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373 J=217, 218 Sec=26
374 J=218, 219 Sec=26
375 J=219, 220 Sec=26
376 J=220, 221 Sec=26

- 74 -

Add=265 Uz=-0.010
Name=-P1 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=242 Uz=-0.010
Add=243 Uz=-0.010
Add=267 Uz=-0.010
Add=268 Uz=-0.010
Name=-P2 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=245 Uz=-0.010
Add=246 Uz=-0.010
Add=270 Uz=-0.010
Add=271 Uz=-0.010
Name=-P3 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=248 Uz=-0.010
Add=249 Uz=-0.010
Add=273 Uz=-0.010
Add=274 Uz=-0.010
Name=-P4 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=251 Uz=-0.010
Add=252 Uz=-0.010
Add=276 Uz=-0.010
Add=277 Uz=-0.010
Name=-P5 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=254 Uz=-0.010
Add=255 Uz=-0.010
Add=279 Uz=-0.010
Add=280 Uz=-0.010
Name=-P6 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=257 Uz=-0.010
Add=258 Uz=-0.010
Add=282 Uz=-0.010
Add=283 Uz=-0.010
Name=-P7 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=260 Uz=-0.010
Add=261 Uz=-0.010
Add=285 Uz=-0.010
Add=286 Uz=-0.010
Name=-A2 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=262 Uz=-0.010
Add=267 Uz=-0.010

Name=-2N+1- : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=239 Uz=-0.010
Add=240 Uz=-0.010
Add=264 Uz=-0.010
Add=265 Uz=-0.010
Add=245 Uz=-0.010
Add=246 Uz=-0.010
Add=270 Uz=-0.010
Add=271 Uz=-0.010
Add=251 Uz=-0.010
Add=252 Uz=-0.010
Add=276 Uz=-0.010
Add=277 Uz=-0.010
Add=257 Uz=-0.010
Add=258 Uz=-0.010
Add=282 Uz=-0.010

- 75 -

- 76 -

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Add=283      Uz=-0.010
Add=282      Uz=-0.010
Add=287      Uz=-0.010

Name=-2N+2-  : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=242      Uz=-0.010
Add=243      Uz=-0.010
Add=267      Uz=-0.010
Add=268      Uz=-0.010
Add=248      Uz=-0.010
Add=249      Uz=-0.010
Add=273      Uz=-0.010
Add=274      Uz=-0.010
Add=254      Uz=-0.010
Add=255      Uz=-0.010
Add=279      Uz=-0.010
Add=280      Uz=-0.010
Add=260      Uz=-0.010
Add=261      Uz=-0.010
Add=285      Uz=-0.010
Add=286      Uz=-0.010

COMBO
Name=SETTLE  Type=ENVE :
LOAD=-A1      sf=1.000
LOAD=-P1      sf=1.000
LOAD=-P2      sf=1.000
LOAD=-P3      sf=1.000
LOAD=-P4      sf=1.000
LOAD=-P5      sf=1.000
LOAD=-P6      sf=1.000
LOAD=-P7      sf=1.000
LOAD=-A2      sf=1.000
LOAD=-2N+1-   sf=1.000
LOAD=-2N+2-   sf=1.000

OUTPUT
ELEM=JOINT    TYPE=DISP,REAC  LOAD=*  COMB=*
ELEM=FRAME    TYPE=FORCE      LOAD=*  COMB=*

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