

■ 낙동대교

1) 합성 전

< BEFORE COMPOSITE SELF-WEIGHT LOAD >

SYSTEM

LENGTH=H FORCE=H/N

JOINT

1 X= 0.000 Y=0.000 Z=0.000
 2 X= 4.550 Y=0.000 Z=0.029
 3 X= 9.550 Y=0.000 Z=0.061
 4 X= 14.550 Y=0.000 Z=0.093
 5 X= 19.550 Y=0.000 Z=0.125
 6 X= 24.550 Y=0.000 Z=0.157
 7 X= 29.550 Y=0.000 Z=0.189
 8 X= 34.550 Y=0.000 Z=0.221
 9 X= 39.550 Y=0.000 Z=0.253
 10 X= 44.550 Y=0.000 Z=0.285
 11 X= 49.550 Y=0.000 Z=0.317
 12 X= 54.550 Y=0.000 Z=0.349
 13 X= 59.550 Y=0.000 Z=0.381
 14 X= 64.550 Y=0.000 Z=0.413
 15 X= 69.550 Y=0.000 Z=0.445
 16 X= 74.550 Y=0.000 Z=0.477
 17 X= 79.550 Y=0.000 Z=0.509
 18 X= 84.550 Y=0.000 Z=0.541
 19 X= 89.550 Y=0.000 Z=0.573
 20 X= 94.550 Y=0.000 Z=0.605
 21 X= 99.550 Y=0.000 Z=0.637
 22 X= 104.550 Y=0.000 Z=0.669
 23 X= 109.550 Y=0.000 Z=0.701
 24 X= 114.550 Y=0.000 Z=0.733
 25 X= 119.550 Y=0.000 Z=0.765
 26 X= 124.550 Y=0.000 Z=0.797
 27 X= 129.550 Y=0.000 Z=0.829
 28 X= 134.550 Y=0.000 Z=0.861
 29 X= 139.550 Y=0.000 Z=0.893
 30 X= 144.550 Y=0.000 Z=0.925
 31 X= 149.550 Y=0.000 Z=0.957
 32 X= 154.550 Y=0.000 Z=0.989
 33 X= 159.550 Y=0.000 Z=1.021
 34 X= 164.550 Y=0.000 Z=1.053
 35 X= 169.550 Y=0.000 Z=1.085
 36 X= 174.550 Y=0.000 Z=1.117
 37 X= 179.550 Y=0.000 Z=1.149
 38 X= 184.550 Y=0.000 Z=1.181
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 40 X= 194.550 Y=0.000 Z=1.245
 41 X= 199.550 Y=0.000 Z=1.277
 42 X= 204.550 Y=0.000 Z=1.309
 43 X= 209.550 Y=0.000 Z=1.341
 44 X= 214.550 Y=0.000 Z=1.373
 45 X= 219.550 Y=0.000 Z=1.405
 46 X= 224.550 Y=0.000 Z=1.437
 47 X= 229.550 Y=0.000 Z=1.469
 48 X= 234.550 Y=0.000 Z=1.501
 49 X= 239.550 Y=0.000 Z=1.533
 50 X= 244.550 Y=0.000 Z=1.565
 51 X= 249.550 Y=0.000 Z=1.597
 52 X= 254.550 Y=0.000 Z=1.629
 53 X= 259.550 Y=0.000 Z=1.661
 54 X= 264.550 Y=0.000 Z=1.693
 55 X= 269.550 Y=0.000 Z=1.725
 56 X= 274.550 Y=0.000 Z=1.757
 57 X= 279.550 Y=0.000 Z=1.789
 58 X= 284.550 Y=0.000 Z=1.821
 59 X= 289.550 Y=0.000 Z=1.853
 60 X= 294.550 Y=0.000 Z=1.885
 61 X= 299.550 Y=0.000 Z=1.917
 62 X= 304.550 Y=0.000 Z=1.949
 63 X= 309.550 Y=0.000 Z=1.981
 64 X= 314.550 Y=0.000 Z=2.013

65 X= 319.550 Y=0.000 Z=2.045
 66 X= 324.550 Y=0.000 Z=2.077
 67 X= 329.550 Y=0.000 Z=2.109
 68 X= 334.550 Y=0.000 Z=2.141
 69 X= 339.550 Y=0.000 Z=2.173
 70 X= 344.550 Y=0.000 Z=2.205
 71 X= 349.550 Y=0.000 Z=2.237
 72 X= 354.550 Y=0.000 Z=2.269
 73 X= 359.550 Y=0.000 Z=2.301
 74 X= 364.550 Y=0.000 Z=2.333
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 76 X= 374.550 Y=0.000 Z=2.397
 77 X= 379.550 Y=0.000 Z=2.429
 78 X= 384.550 Y=0.000 Z=2.461
 79 X= 389.550 Y=0.000 Z=2.493
 80 X= 394.550 Y=0.000 Z=2.525
 81 X= 399.550 Y=0.000 Z=2.557
 82 X= 404.550 Y=0.000 Z=2.589
 83 X= 409.100 Y=0.000 Z=2.618
 84 X= 0.000 Y=-7.600 Z=0.152
 85 X= 4.550 Y=-7.600 Z=0.181
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 117 X= 164.550 Y=-7.600 Z=1.205
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 119 X= 174.550 Y=-7.600 Z=1.269
 120 X= 179.550 Y=-7.600 Z=1.301
 121 X= 184.550 Y=-7.600 Z=1.333
 122 X= 189.550 Y=-7.600 Z=1.365
 123 X= 194.550 Y=-7.600 Z=1.397
 124 X= 199.550 Y=-7.600 Z=1.429
 125 X= 204.550 Y=-7.600 Z=1.461
 126 X= 209.550 Y=-7.600 Z=1.493
 127 X= 214.550 Y=-7.600 Z=1.525
 128 X= 219.550 Y=-7.600 Z=1.557
 129 X= 224.550 Y=-7.600 Z=1.589
 130 X= 229.550 Y=-7.600 Z=1.621
 131 X= 234.550 Y=-7.600 Z=1.653
 132 X= 239.550 Y=-7.600 Z=1.685
 133 X= 244.550 Y=-7.600 Z=1.717
 134 X= 249.550 Y=-7.600 Z=1.749
 135 X= 254.550 Y=-7.600 Z=1.781
 136 X= 259.550 Y=-7.600 Z=1.813
 137 X= 264.550 Y=-7.600 Z=1.845

- 1 -

- 2 -

138 X= 269.550 Y=-7.600 Z=1.877
 139 X= 274.550 Y=-7.600 Z=1.909
 140 X= 279.550 Y=-7.600 Z=1.941
 141 X= 284.550 Y=-7.600 Z=1.973
 142 X= 289.550 Y=-7.600 Z=2.005
 143 X= 294.550 Y=-7.600 Z=2.037
 144 X= 299.550 Y=-7.600 Z=2.069
 145 X= 304.550 Y=-7.600 Z=2.101
 146 X= 309.550 Y=-7.600 Z=2.133
 147 X= 314.550 Y=-7.600 Z=2.165
 148 X= 319.550 Y=-7.600 Z=2.197
 149 X= 324.550 Y=-7.600 Z=2.229
 150 X= 329.550 Y=-7.600 Z=2.261
 151 X= 334.550 Y=-7.600 Z=2.293
 152 X= 339.550 Y=-7.600 Z=2.325
 153 X= 344.550 Y=-7.600 Z=2.357
 154 X= 349.550 Y=-7.600 Z=2.389
 155 X= 354.550 Y=-7.600 Z=2.421
 156 X= 359.550 Y=-7.600 Z=2.453
 157 X= 364.550 Y=-7.600 Z=2.485
 158 X= 369.550 Y=-7.600 Z=2.517
 159 X= 374.550 Y=-7.600 Z=2.549
 160 X= 379.550 Y=-7.600 Z=2.581
 161 X= 384.550 Y=-7.600 Z=2.613
 162 X= 389.550 Y=-7.600 Z=2.645
 163 X= 394.550 Y=-7.600 Z=2.677
 164 X= 399.550 Y=-7.600 Z=2.709
 165 X= 404.550 Y=-7.600 Z=2.741
 166 X= 409.100 Y=-7.600 Z=2.770
 167 X= 0.000 Y=-3.800 Z=0.076
 168 X= 4.550 Y=-3.800 Z=0.105
 169 X= 9.550 Y=-3.800 Z=0.137
 170 X= 14.550 Y=-3.800 Z=0.169
 171 X= 19.550 Y=-3.800 Z=0.201
 172 X= 24.550 Y=-3.800 Z=0.233
 173 X= 29.550 Y=-3.800 Z=0.265
 174 X= 34.550 Y=-3.800 Z=0.297
 175 X= 39.550 Y=-3.800 Z=0.329
 176 X= 44.550 Y=-3.800 Z=0.361
 177 X= 49.550 Y=-3.800 Z=0.393
 178 X= 54.550 Y=-3.800 Z=0.425
 179 X= 59.550 Y=-3.800 Z=0.457
 180 X= 64.550 Y=-3.800 Z=0.489
 181 X= 69.550 Y=-3.800 Z=0.521
 182 X= 74.550 Y=-3.800 Z=0.553
 183 X= 79.550 Y=-3.800 Z=0.585
 184 X= 84.550 Y=-3.800 Z=0.617
 185 X= 89.550 Y=-3.800 Z=0.649
 186 X= 94.550 Y=-3.800 Z=0.681
 187 X= 99.550 Y=-3.800 Z=0.713
 188 X= 104.550 Y=-3.800 Z=0.745
 189 X= 109.550 Y=-3.800 Z=0.777
 190 X= 114.550 Y=-3.800 Z=0.809
 191 X= 119.550 Y=-3.800 Z=0.841
 192 X= 124.550 Y=-3.800 Z=0.873
 193 X= 129.550 Y=-3.800 Z=0.905
 194 X= 134.550 Y=-3.800 Z=0.937
 195 X= 139.550 Y=-3.800 Z=0.969
 196 X= 144.550 Y=-3.800 Z=1.001
 197 X= 149.550 Y=-3.800 Z=1.033
 198 X= 154.550 Y=-3.800 Z=1.065
 199 X= 159.550 Y=-3.800 Z=1.097
 200 X= 164.550 Y=-3.800 Z=1.129
 201 X= 169.550 Y=-3.800 Z=1.161
 202 X= 174.550 Y=-3.800 Z=1.193
 203 X= 179.550 Y=-3.800 Z=1.225
 204 X= 184.550 Y=-3.800 Z=1.257
 205 X= 189.550 Y=-3.800 Z=1.289
 206 X= 194.550 Y=-3.800 Z=1.321
 207 X= 199.550 Y=-3.800 Z=1.353
 208 X= 204.550 Y=-3.800 Z=1.385
 209 X= 209.550 Y=-3.800 Z=1.417
 210 X= 214.550 Y=-3.800 Z=1.449

211 X= 219.550 Y=-3.800 Z=1.481
 212 X= 224.550 Y=-3.800 Z=1.513
 213 X= 229.550 Y=-3.800 Z=1.545
 214 X= 234.550 Y=-3.800 Z=1.577
 215 X= 239.550 Y=-3.800 Z=1.609
 216 X= 244.550 Y=-3.800 Z=1.641
 217 X= 249.550 Y=-3.800 Z=1.673
 218 X= 254.550 Y=-3.800 Z=1.705
 219 X= 259.550 Y=-3.800 Z=1.737
 220 X= 264.550 Y=-3.800 Z=1.769
 221 X= 269.550 Y=-3.800 Z=1.801
 222 X= 274.550 Y=-3.800 Z=1.833
 223 X= 279.550 Y=-3.800 Z=1.865
 224 X= 284.550 Y=-3.800 Z=1.897
 225 X= 289.550 Y=-3.800 Z=1.929
 226 X= 294.550 Y=-3.800 Z=1.961
 227 X= 299.550 Y=-3.800 Z=1.993
 228 X= 304.550 Y=-3.800 Z=2.025
 229 X= 309.550 Y=-3.800 Z=2.057
 230 X= 314.550 Y=-3.800 Z=2.089
 231 X= 319.550 Y=-3.800 Z=2.121
 232 X= 324.550 Y=-3.800 Z=2.153
 233 X= 329.550 Y=-3.800 Z=2.185
 234 X= 334.550 Y=-3.800 Z=2.217
 235 X= 339.550 Y=-3.800 Z=2.249
 236 X= 344.550 Y=-3.800 Z=2.281
 237 X= 349.550 Y=-3.800 Z=2.313
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 242 X= 374.550 Y=-3.800 Z=2.473
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 244 X= 384.550 Y=-3.800 Z=2.537
 245 X= 389.550 Y=-3.800 Z=2.569
 246 X= 394.550 Y=-3.800 Z=2.601
 247 X= 399.550 Y=-3.800 Z=2.633
 248 X= 404.550 Y=-3.800 Z=2.665
 249 X= 409.100 Y=-3.800 Z=2.694
 250 X= 0.000 Y=0.000 Z=-1.900
 251 X= 0.000 Y=0.864 Z=-1.900
 252 X= 0.000 Y=-0.864 Z=-1.900
 253 X= 69.550 Y=0.000 Z=-1.555
 254 X= 69.550 Y=0.864 Z=-1.555
 255 X= 69.550 Y=-0.864 Z=-1.555
 256 X= 139.550 Y=0.000 Z=-1.107
 257 X= 139.550 Y=0.864 Z=-1.107
 258 X= 139.550 Y=-0.864 Z=-1.107
 259 X= 209.550 Y=0.000 Z=-0.659
 260 X= 209.550 Y=0.864 Z=-0.659
 261 X= 209.550 Y=-0.864 Z=-0.659
 262 X= 279.550 Y=0.000 Z=-0.211
 263 X= 279.550 Y=0.864 Z=-0.211
 264 X= 279.550 Y=-0.864 Z=-0.211
 265 X= 349.550 Y=0.000 Z=0.237
 266 X= 349.550 Y=0.864 Z=0.237
 267 X= 349.550 Y=-0.864 Z=0.237
 268 X= 409.100 Y=0.000 Z=0.718
 269 X= 409.100 Y=0.864 Z=0.718
 270 X= 409.100 Y=-0.864 Z=0.718
 271 X= 0.000 Y=-7.600 Z=-1.748
 272 X= 0.000 Y=-6.736 Z=-1.748
 273 X= 0.000 Y=-8.464 Z=-1.748
 274 X= 69.550 Y=-7.600 Z=-1.403
 275 X= 69.550 Y=-6.736 Z=-1.403
 276 X= 69.550 Y=-8.464 Z=-1.403
 277 X= 139.550 Y=-7.600 Z=-0.955
 278 X= 139.550 Y=-6.736 Z=-0.955
 279 X= 139.550 Y=-8.464 Z=-0.955
 280 X= 209.550 Y=-7.600 Z=-0.507
 281 X= 209.550 Y=-6.736 Z=-0.507
 282 X= 209.550 Y=-8.464 Z=-0.507
 283 X= 279.550 Y=-7.600 Z=-0.059

- 3 -

- 4 -

284 X= 279.550 Y=-6.736 Z=-0.059
285 X= 279.550 Y=-6.464 Z=-0.059
286 X= 349.550 Y=-7.600 Z=0.389
287 X= 349.550 Y=-6.736 Z=0.389
288 X= 349.550 Y=-8.464 Z=0.389
289 X= 409.100 Y=-7.600 Z=0.870
290 X= 409.100 Y=-6.736 Z=0.870
291 X= 409.100 Y=-8.464 Z=0.870

LOCAL

ADD: 251 ANG=-2.077
ADD: 252 ANG=-1.605
ADD: 254 ANG=-3.107
ADD: 255 ANG=-2.402
ADD: 257 ANG=-6.196
ADD: 258 ANG=-4.795
ADD: 260 ANG=0.000
ADD: 261 ANG=0.000
ADD: 263 ANG=6.196
ADD: 264 ANG=4.795
ADD: 266 ANG=3.107
ADD: 267 ANG=2.402
ADD: 269 ANG=2.181
ADD: 270 ANG=1.686
ADD: 272 ANG=0.000
ADD: 273 ANG=0.000
ADD: 275 ANG=0.000
ADD: 276 ANG=0.000
ADD: 278 ANG=0.000
ADD: 279 ANG=0.000
ADD: 281 ANG=0.000
ADD: 282 ANG=0.000
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ADD: 285 ANG=0.000
ADD: 287 ANG=0.000
ADD: 288 ANG=0.000
ADD: 290 ANG=0.000
ADD: 291 ANG=0.000

RESTRAINT

ADD: 251 DOF= U3,
ADD: 252 DOF= U3,
ADD: 254 DOF= U3,
ADD: 255 DOF= U3,
ADD: 257 DOF= U3,
ADD: 258 DOF= U3,
ADD: 260 DOF= U1, U3,
ADD: 261 DOF= U1, U3,
ADD: 263 DOF= U3,
ADD: 264 DOF= U3,
ADD: 266 DOF= U3,
ADD: 267 DOF= U3,
ADD: 269 DOF= U3,
ADD: 270 DOF= U3,
ADD: 272 DOF= U2, U3,
ADD: 273 DOF= U2, U3,
ADD: 275 DOF= U2, U3,
ADD: 276 DOF= U2, U3,
ADD: 278 DOF= U2, U3,
ADD: 279 DOF= U2, U3,
ADD: 281 DOF= U1, U2, U3,
ADD: 282 DOF= U1, U2, U3,
ADD: 284 DOF= U2, U3,
ADD: 285 DOF= U2, U3,
ADD: 287 DOF= U2, U3,
ADD: 288 DOF= U2, U3,
ADD: 290 DOF= U2, U3,
ADD: 291 DOF= U2, U3,

MATERIAL

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Name=2

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FRAME SECTION

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Name= 2 Mat= 2 A=0.21853 I=0.50362607, 0.24273097 J=0.40523022 : GIRDER
Name= 3 Mat= 3 A=0.20814 I=0.39746477, 0.22495651 J=0.34832772 : GIRDER
Name= 4 Mat= 4 A=0.23886 I=0.41327108, 0.23610326 J=0.38604282 : GIRDER
Name= 5 Mat= 5 A=0.24905 I=0.37507944, 0.23579104 J=0.33759819 : GIRDER
Name= 6 Mat= 6 A=0.26669 I=0.37490120, 0.24229436 J=0.34011188 : GIRDER
Name= 7 Mat= 7 A=0.26381 I=0.34455388, 0.23736772 J=0.32265461 : GIRDER
Name= 8 Mat= 8 A=0.24040 I=0.29187461, 0.22101113 J=0.28750120 : GIRDER
Name= 9 Mat= 9 A=0.21984 I=0.26823672, 0.20781140 J=0.27913029 : GIRDER
Name= 10 Mat= 10 A=0.22156 I=0.29104930, 0.21245105 J=0.29442552 : GIRDER
Name= 11 Mat= 11 A=0.21495 I=0.30849230, 0.21297807 J=0.31177259 : GIRDER
Name= 12 Mat= 12 A=0.22699 I=0.38130515, 0.22763797 J=0.35565818 : GIRDER
Name= 13 Mat= 13 A=0.25770 I=0.52238944, 0.25647857 J=0.43059545 : GIRDER
Name= 14 Mat= 14 A=0.31832 I=0.84220485, 0.30886504 J=0.54346794 : GIRDER
Name= 15 Mat= 15 A=0.32720 I=1.00545550, 0.32202760 J=0.60096260 : GIRDER
Name= 16 Mat= 16 A=0.31838 I=0.84318427, 0.30696070 J=0.54382280 : GIRDER
Name= 17 Mat= 17 A=0.27462 I=0.57956286, 0.26764569 J=0.45066247 : GIRDER
Name= 18 Mat= 18 A=0.24393 I=0.42212484, 0.23885312 J=0.37276343 : GIRDER
Name= 19 Mat= 19 A=0.21509 I=0.30970214, 0.21321723 J=0.31256073 : GIRDER
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Add-293 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-294 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-295 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-296 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-297 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-298 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-299 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-300 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-301 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-302 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-303 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-304 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-305 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-306 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-307 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-308 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-309 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-310 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-311 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-312 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-313 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-314 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-315 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-316 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-317 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-318 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-319 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-320 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-321 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-322 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-323 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-324 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-325 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-326 RD=0.053, 0.658 Uzp=-0.650, -0.650
Add-327 RD=0.342, 0.947 Uzp=-1.103, -1.103
Add-328 RD=0.053, 0.658 Uzp=-0.650, -0.650

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) 驗 算

< AFTER COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=H FORCE=HN

JOINT
1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.550 Y=0.000 Z=0.029
3 X= 9.550 Y=0.000 Z=0.061
4 X= 14.550 Y=0.000 Z=0.093
5 X= 19.550 Y=0.000 Z=0.125
6 X= 24.550 Y=0.000 Z=0.157
7 X= 29.550 Y=0.000 Z=0.189
8 X= 34.550 Y=0.000 Z=0.221
9 X= 39.550 Y=0.000 Z=0.253
10 X= 44.550 Y=0.000 Z=0.285
11 X= 49.550 Y=0.000 Z=0.317
12 X= 54.550 Y=0.000 Z=0.349
13 X= 59.550 Y=0.000 Z=0.381
14 X= 64.550 Y=0.000 Z=0.413
15 X= 69.550 Y=0.000 Z=0.445
16 X= 74.550 Y=0.000 Z=0.477
17 X= 79.550 Y=0.000 Z=0.509
18 X= 84.550 Y=0.000 Z=0.541
19 X= 89.550 Y=0.000 Z=0.573
20 X= 94.550 Y=0.000 Z=0.605
21 X= 99.550 Y=0.000 Z=0.637
22 X= 104.550 Y=0.000 Z=0.669
23 X= 109.550 Y=0.000 Z=0.701
24 X= 114.550 Y=0.000 Z=0.733
25 X= 119.550 Y=0.000 Z=0.765
26 X= 124.550 Y=0.000 Z=0.797
27 X= 129.550 Y=0.000 Z=0.829
28 X= 134.550 Y=0.000 Z=0.861
29 X= 139.550 Y=0.000 Z=0.893
30 X= 144.550 Y=0.000 Z=0.925
31 X= 149.550 Y=0.000 Z=0.957
32 X= 154.550 Y=0.000 Z=0.989
33 X= 159.550 Y=0.000 Z=1.021
34 X= 164.550 Y=0.000 Z=1.053
35 X= 169.550 Y=0.000 Z=1.085
36 X= 174.550 Y=0.000 Z=1.117
37 X= 179.550 Y=0.000 Z=1.149
38 X= 184.550 Y=0.000 Z=1.181
39 X= 189.550 Y=0.000 Z=1.213
40 X= 194.550 Y=0.000 Z=1.245
41 X= 199.550 Y=0.000 Z=1.277
42 X= 204.550 Y=0.000 Z=1.309
43 X= 209.550 Y=0.000 Z=1.341
44 X= 214.550 Y=0.000 Z=1.373
45 X= 219.550 Y=0.000 Z=1.405
46 X= 224.550 Y=0.000 Z=1.437
47 X= 229.550 Y=0.000 Z=1.469
48 X= 234.550 Y=0.000 Z=1.501
49 X= 239.550 Y=0.000 Z=1.533
50 X= 244.550 Y=0.000 Z=1.565
51 X= 249.550 Y=0.000 Z=1.597
52 X= 254.550 Y=0.000 Z=1.629
53 X= 259.550 Y=0.000 Z=1.661
54 X= 264.550 Y=0.000 Z=1.693
55 X= 269.550 Y=0.000 Z=1.725
56 X= 274.550 Y=0.000 Z=1.757
57 X= 279.550 Y=0.000 Z=1.789
58 X= 284.550 Y=0.000 Z=1.821

59 X= 289.550 Y=0.000 Z=1.853
60 X= 294.550 Y=0.000 Z=1.885
61 X= 299.550 Y=0.000 Z=1.917
62 X= 304.550 Y=0.000 Z=1.949
63 X= 309.550 Y=0.000 Z=1.981
64 X= 314.550 Y=0.000 Z=2.013
65 X= 319.550 Y=0.000 Z=2.045
66 X= 324.550 Y=0.000 Z=2.077
67 X= 329.550 Y=0.000 Z=2.109
68 X= 334.550 Y=0.000 Z=2.141
69 X= 339.550 Y=0.000 Z=2.173
70 X= 344.550 Y=0.000 Z=2.205
71 X= 349.550 Y=0.000 Z=2.237
72 X= 354.550 Y=0.000 Z=2.269
73 X= 359.550 Y=0.000 Z=2.301
74 X= 364.550 Y=0.000 Z=2.333
75 X= 369.550 Y=0.000 Z=2.365
76 X= 374.550 Y=0.000 Z=2.397
77 X= 379.550 Y=0.000 Z=2.429
78 X= 384.550 Y=0.000 Z=2.461
79 X= 389.550 Y=0.000 Z=2.493
80 X= 394.550 Y=0.000 Z=2.525
81 X= 399.550 Y=0.000 Z=2.557
82 X= 404.550 Y=0.000 Z=2.589
83 X= 409.100 Y=0.000 Z=2.618
84 X= 0.000 Y=-7.600 Z=0.152
85 X= 4.550 Y=-7.600 Z=0.181
86 X= 9.550 Y=-7.600 Z=0.213
87 X= 14.550 Y=-7.600 Z=0.245
88 X= 19.550 Y=-7.600 Z=0.277
89 X= 24.550 Y=-7.600 Z=0.309
90 X= 29.550 Y=-7.600 Z=0.341
91 X= 34.550 Y=-7.600 Z=0.373
92 X= 39.550 Y=-7.600 Z=0.405
93 X= 44.550 Y=-7.600 Z=0.437
94 X= 49.550 Y=-7.600 Z=0.469
95 X= 54.550 Y=-7.600 Z=0.501
96 X= 59.550 Y=-7.600 Z=0.533
97 X= 64.550 Y=-7.600 Z=0.565
98 X= 69.550 Y=-7.600 Z=0.597
99 X= 74.550 Y=-7.600 Z=0.629
100 X= 79.550 Y=-7.600 Z=0.661
101 X= 84.550 Y=-7.600 Z=0.693
102 X= 89.550 Y=-7.600 Z=0.725
103 X= 94.550 Y=-7.600 Z=0.757
104 X= 99.550 Y=-7.600 Z=0.789
105 X= 104.550 Y=-7.600 Z=0.821
106 X= 109.550 Y=-7.600 Z=0.853
107 X= 114.550 Y=-7.600 Z=0.885
108 X= 119.550 Y=-7.600 Z=0.917
109 X= 124.550 Y=-7.600 Z=0.949
110 X= 129.550 Y=-7.600 Z=0.981
111 X= 134.550 Y=-7.600 Z=1.013
112 X= 139.550 Y=-7.600 Z=1.045
113 X= 144.550 Y=-7.600 Z=1.077
114 X= 149.550 Y=-7.600 Z=1.109
115 X= 154.550 Y=-7.600 Z=1.141
116 X= 159.550 Y=-7.600 Z=1.173
117 X= 164.550 Y=-7.600 Z=1.205
118 X= 169.550 Y=-7.600 Z=1.237
119 X= 174.550 Y=-7.600 Z=1.269
120 X= 179.550 Y=-7.600 Z=1.301
121 X= 184.550 Y=-7.600 Z=1.333
122 X= 189.550 Y=-7.600 Z=1.365
123 X= 194.550 Y=-7.600 Z=1.397
124 X= 199.550 Y=-7.600 Z=1.429
125 X= 204.550 Y=-7.600 Z=1.461
126 X= 209.550 Y=-7.600 Z=1.493
127 X= 214.550 Y=-7.600 Z=1.525
128 X= 219.550 Y=-7.600 Z=1.557
129 X= 224.550 Y=-7.600 Z=1.589
130 X= 229.550 Y=-7.600 Z=1.621
131 X= 234.550 Y=-7.600 Z=1.653

132 X= 239.550 Y=-7.600 Z=1.685
133 X= 244.550 Y=-7.600 Z=1.717
134 X= 249.550 Y=-7.600 Z=1.749
135 X= 254.550 Y=-7.600 Z=1.781
136 X= 259.550 Y=-7.600 Z=1.813
137 X= 264.550 Y=-7.600 Z=1.845
138 X= 269.550 Y=-7.600 Z=1.877
139 X= 274.550 Y=-7.600 Z=1.909
140 X= 279.550 Y=-7.600 Z=1.941
141 X= 284.550 Y=-7.600 Z=1.973
142 X= 289.550 Y=-7.600 Z=2.005
143 X= 294.550 Y=-7.600 Z=2.037
144 X= 299.550 Y=-7.600 Z=2.069
145 X= 304.550 Y=-7.600 Z=2.101
146 X= 309.550 Y=-7.600 Z=2.133
147 X= 314.550 Y=-7.600 Z=2.165
148 X= 319.550 Y=-7.600 Z=2.197
149 X= 324.550 Y=-7.600 Z=2.229
150 X= 329.550 Y=-7.600 Z=2.261
151 X= 334.550 Y=-7.600 Z=2.293
152 X= 339.550 Y=-7.600 Z=2.325
153 X= 344.550 Y=-7.600 Z=2.357
154 X= 349.550 Y=-7.600 Z=2.389
155 X= 354.550 Y=-7.600 Z=2.421
156 X= 359.550 Y=-7.600 Z=2.453
157 X= 364.550 Y=-7.600 Z=2.485
158 X= 369.550 Y=-7.600 Z=2.517
159 X= 374.550 Y=-7.600 Z=2.549
160 X= 379.550 Y=-7.600 Z=2.581
161 X= 384.550 Y=-7.600 Z=2.613
162 X= 389.550 Y=-7.600 Z=2.645
163 X= 394.550 Y=-7.600 Z=2.677
164 X= 399.550 Y=-7.600 Z=2.709
165 X= 404.550 Y=-7.600 Z=2.741
166 X= 409.100 Y=-7.600 Z=2.770
167 X= 0.000 Y=-3.800 Z=0.076
168 X= 4.550 Y=-3.800 Z=0.105
169 X= 9.550 Y=-3.800 Z=0.137
170 X= 14.550 Y=-3.800 Z=0.169
171 X= 19.550 Y=-3.800 Z=0.201
172 X= 24.550 Y=-3.800 Z=0.233
173 X= 29.550 Y=-3.800 Z=0.265
174 X= 34.550 Y=-3.800 Z=0.297
175 X= 39.550 Y=-3.800 Z=0.329
176 X= 44.550 Y=-3.800 Z=0.361
177 X= 49.550 Y=-3.800 Z=0.393
178 X= 54.550 Y=-3.800 Z=0.425
179 X= 59.550 Y=-3.800 Z=0.457
180 X= 64.550 Y=-3.800 Z=0.489
181 X= 69.550 Y=-3.800 Z=0.521
182 X= 74.550 Y=-3.800 Z=0.553
183 X= 79.550 Y=-3.800 Z=0.585
184 X= 84.550 Y=-3.800 Z=0.617
185 X= 89.550 Y=-3.800 Z=0.649
186 X= 94.550 Y=-3.800 Z=0.681
187 X= 99.550 Y=-3.800 Z=0.713
188 X= 104.550 Y=-3.800 Z=0.745
189 X= 109.550 Y=-3.800 Z=0.777
190 X= 114.550 Y=-3.800 Z=0.809
191 X= 119.550 Y=-3.800 Z=0.841
192 X= 124.550 Y=-3.800 Z=0.873
193 X= 129.550 Y=-3.800 Z=0.905
194 X= 134.550 Y=-3.800 Z=0.937
195 X= 139.550 Y=-3.800 Z=0.969
196 X= 144.550 Y=-3.800 Z=1.001
197 X= 149.550 Y=-3.800 Z=1.033
198 X= 154.550 Y=-3.800 Z=1.065
199 X= 159.550 Y=-3.800 Z=1.097
200 X= 164.550 Y=-3.800 Z=1.129
201 X= 169.550 Y=-3.800 Z=1.161
202 X= 174.550 Y=-3.800 Z=1.193
203 X= 179.550 Y=-3.800 Z=1.225
204 X= 184.550 Y=-3.800 Z=1.257

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278 X= 139.550 Y=-6.736 Z=-0.955
279 X= 139.550 Y=-6.464 Z=-0.955
280 X= 209.550 Y=-7.600 Z=-0.507
281 X= 209.550 Y=-6.736 Z=-0.507
282 X= 209.550 Y=-6.464 Z=-0.507
283 X= 279.550 Y=-7.600 Z=-0.059
284 X= 279.550 Y=-6.736 Z=-0.059
285 X= 279.550 Y=-6.464 Z=-0.059
286 X= 349.550 Y=-7.600 Z=0.389
287 X= 349.550 Y=-6.736 Z=0.389
288 X= 349.550 Y=-6.464 Z=0.389
289 X= 409.100 Y=-7.600 Z=0.870
290 X= 409.100 Y=-6.736 Z=0.870
291 X= 409.100 Y=-6.464 Z=0.870

LOCAL
ADD= 251 ANG=-2.077
ADD= 252 ANG=-1.605
ADD= 254 ANG=-3.107
ADD= 255 ANG=-2.402
ADD= 257 ANG=-6.196
ADD= 258 ANG=-4.795
ADD= 260 ANG=0.000
ADD= 261 ANG=0.000
ADD= 263 ANG=-6.196
ADD= 264 ANG=-4.795
ADD= 266 ANG=-3.107
ADD= 267 ANG=-2.402
ADD= 269 ANG=-2.181
ADD= 270 ANG=-1.686
ADD= 272 ANG=0.000
ADD= 273 ANG=0.000
ADD= 275 ANG=0.000
ADD= 276 ANG=0.000
ADD= 278 ANG=0.000
ADD= 279 ANG=0.000
ADD= 281 ANG=0.000
ADD= 282 ANG=0.000
ADD= 284 ANG=0.000
ADD= 285 ANG=0.000
ADD= 287 ANG=0.000
ADD= 288 ANG=0.000
ADD= 290 ANG=0.000
ADD= 291 ANG=0.000

RESTRAINT
ADD= 251 DOF= U3,
ADD= 252 DOF= U3,
ADD= 254 DOF= U3,
ADD= 255 DOF= U3,
ADD= 257 DOF= U3,
ADD= 258 DOF= U3,
ADD= 260 DOF= U1, U3,
ADD= 261 DOF= U1, U3,
ADD= 263 DOF= U3,
ADD= 264 DOF= U3,
ADD= 266 DOF= U3,
ADD= 267 DOF= U3,
ADD= 269 DOF= U3,
ADD= 270 DOF= U3,
ADD= 272 DOF= U2, U3,
ADD= 273 DOF= U2, U3,
ADD= 275 DOF= U2, U3,
ADD= 276 DOF= U2, U3,
ADD= 278 DOF= U2, U3,
ADD= 279 DOF= U2, U3,
ADD= 281 DOF= U1, U2, U3,
ADD= 282 DOF= U1, U2, U3,
ADD= 284 DOF= U2, U3,
ADD= 285 DOF= U2, U3,
ADD= 287 DOF= U2, U3,
ADD= 288 DOF= U2, U3,
ADD= 290 DOF= U2, U3,

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205 X= 189.550 Y=-3.800 Z=1.289
206 X= 194.550 Y=-3.800 Z=1.321
207 X= 199.550 Y=-3.800 Z=1.353
208 X= 204.550 Y=-3.800 Z=1.385
209 X= 209.550 Y=-3.800 Z=1.417
210 X= 214.550 Y=-3.800 Z=1.449
211 X= 219.550 Y=-3.800 Z=1.481
212 X= 224.550 Y=-3.800 Z=1.513
213 X= 229.550 Y=-3.800 Z=1.545
214 X= 234.550 Y=-3.800 Z=1.577
215 X= 239.550 Y=-3.800 Z=1.609
216 X= 244.550 Y=-3.800 Z=1.641
217 X= 249.550 Y=-3.800 Z=1.673
218 X= 254.550 Y=-3.800 Z=1.705
219 X= 259.550 Y=-3.800 Z=1.737
220 X= 264.550 Y=-3.800 Z=1.769
221 X= 269.550 Y=-3.800 Z=1.801
222 X= 274.550 Y=-3.800 Z=1.833
223 X= 279.550 Y=-3.800 Z=1.865
224 X= 284.550 Y=-3.800 Z=1.897
225 X= 289.550 Y=-3.800 Z=1.929
226 X= 294.550 Y=-3.800 Z=1.961
227 X= 299.550 Y=-3.800 Z=1.993
228 X= 304.550 Y=-3.800 Z=2.025
229 X= 309.550 Y=-3.800 Z=2.057
230 X= 314.550 Y=-3.800 Z=2.089
231 X= 319.550 Y=-3.800 Z=2.121
232 X= 324.550 Y=-3.800 Z=2.153
233 X= 329.550 Y=-3.800 Z=2.185
234 X= 334.550 Y=-3.800 Z=2.217
235 X= 339.550 Y=-3.800 Z=2.249
236 X= 344.550 Y=-3.800 Z=2.281
237 X= 349.550 Y=-3.800 Z=2.313
238 X= 354.550 Y=-3.800 Z=2.345
239 X= 359.550 Y=-3.800 Z=2.377
240 X= 364.550 Y=-3.800 Z=2.409
241 X= 369.550 Y=-3.800 Z=2.441
242 X= 374.550 Y=-3.800 Z=2.473
243 X= 379.550 Y=-3.800 Z=2.505
244 X= 384.550 Y=-3.800 Z=2.537
245 X= 389.550 Y=-3.800 Z=2.569
246 X= 394.550 Y=-3.800 Z=2.601
247 X= 399.550 Y=-3.800 Z=2.633
248 X= 404.550 Y=-3.800 Z=2.665
249 X= 409.100 Y=-3.800 Z=2.694
250 X= 0.000 Y=0.000 Z=-1.900
251 X= 0.000 Y=0.864 Z=-1.900
252 X= 0.000 Y=-0.864 Z=-1.900
253 X= 69.550 Y=0.000 Z=-1.555
254 X= 69.550 Y=0.864 Z=-1.555
255 X= 69.550 Y=-0.864 Z=-1.555
256 X= 139.550 Y=0.000 Z=-1.107
257 X= 139.550 Y=0.864 Z=-1.107
258 X= 139.550 Y=-0.864 Z=-1.107
259 X= 209.550 Y=0.000 Z=-0.659
260 X= 209.550 Y=0.864 Z=-0.659
261 X= 209.550 Y=-0.864 Z=-0.659
262 X= 279.550 Y=0.000 Z=-0.211
263 X= 279.550 Y=0.864 Z=-0.211
264 X= 279.550 Y=-0.864 Z=-0.211
265 X= 349.550 Y=0.000 Z=0.237
266 X= 349.550 Y=0.864 Z=0.237
267 X= 349.550 Y=-0.864 Z=0.237
268 X= 409.100 Y=0.000 Z=0.718
269 X= 409.100 Y=0.864 Z=0.718
270 X= 409.100 Y=-0.864 Z=0.718
271 X= 0.000 Y=-7.600 Z=-1.748
272 X= 0.000 Y=-6.736 Z=-1.748
273 X= 0.000 Y=-6.464 Z=-1.748
274 X= 69.550 Y=-7.600 Z=-1.403
275 X= 69.550 Y=-6.736 Z=-1.403
276 X= 69.550 Y=-6.464 Z=-1.403
277 X= 139.550 Y=-7.600 Z=-0.955

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ADD= 291 DOF= U2, U3,

MATERIAL

Name=1

E=2.05e+008

Name=2

E=2.05e+008

Name=3

E=2.05e+008

Name=4

E=2.05e+008

Name=5

E=2.05e+008

Name=6

E=2.05e+008

Name=7

E=2.05e+008

Name=8

E=2.05e+008

Name=9

E=2.05e+008

Name=10

E=2.05e+008

Name=11

E=2.05e+008

Name=12

E=2.05e+008

Name=13

E=2.05e+008

Name=14

E=2.05e+008

Name=15

E=2.05e+008

Name=16

E=2.05e+008

Name=17

E=2.05e+008

Name=18

E=2.05e+008

Name=19

E=2.05e+008

Name=20

E=2.05e+008

Name=21

E=2.05e+008

Name=22

E=2.05e+008

Name=23

E=2.05e+008

Name=24

E=2.05e+008

Name=25

E=2.05e+008

Name=26

E=2.05e+008

Name=27

E=2.05e+008

Name=28

E=2.05e+008

Name=29

E=2.05e+008

Name=30

E=2.05e+008

Name=31

E=2.05e+008

Name=32

E=2.05e+008

Name=33

E=2.05e+008

Name=34

E=2.05e+008

Name=35

E=2.05e+008

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Name=36
E=2.05e+008
Name=37
E=2.05e+008
Name=38
E=2.05e+008
Name=39
E=2.05e+008
Name=40
E=2.05e+008
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Name=55
E=2.05e+008
Name=56
E=2.05e+008

FRAME SECTION
Name= 1 Mat= 1 A=0.39626 I=0.97439670, 0.87513877 J=0.52661278 : GIRDER
Name= 2 Mat= 2 A=0.39600 I=0.93020458, 0.87107307 J=0.51235796 : GIRDER
Name= 3 Mat= 3 A=0.38561 I=0.74268892, 0.85242241 J=0.44753527 : GIRDER
Name= 4 Mat= 4 A=0.41632 I=0.73201065, 0.86608603 J=0.43235351 : GIRDER
Name= 5 Mat= 5 A=0.42652 I=0.68797945, 0.86653755 J=0.40458699 : GIRDER
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209	23	2189	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
210	189	106	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
211	24	190	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
212	190	107	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
213	25	191	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
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216	192	109	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
217	27	193	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
218	193	110	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
219	28	194	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
220	194	111	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
221	29	195	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
222	195	112	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
223	30	196	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
224	196	113	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
225	31	197	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
226	197	114	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
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238	203	120	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
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245	41	207	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
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247	42	208	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
248	208	125	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
249	43	209	Sec54	OFF=1:300	JOFF=0:000	RQID=0:1
250	209	126	Sec54	OFF=0:000	JOFF=1:300	RQID=0:1
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409	J=245, 246	Sec=55
410	J=246, 247	Sec=55
411	J=247, 248	Sec=55
412	J=248, 249	Sec=55
413	J= 1, 250	Sec=56

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414	+251,	250	Sec56
415	+252,	250	Sec56
416	+15,	253	Sec56
417	+254,	253	Sec56
418	+255,	253	Sec56
419	+29,	256	Sec56
420	+257,	256	Sec56
421	+258,	256	Sec56
422	+43,	259	Sec56
423	+260,	259	Sec56
424	+261,	259	Sec56
425	+57,	262	Sec56
426	+263,	262	Sec56
427	+264,	262	Sec56
428	+71,	265	Sec56
429	+266,	265	Sec56
430	+267,	265	Sec56
431	+83,	268	Sec56
432	+69,	268	Sec56
433	+270,	268	Sec56
434	+64,	271	Sec56
435	+272,	271	Sec56
436	+273,	271	Sec56
437	+98,	274	Sec56
438	+275,	274	Sec56
439	+276,	274	Sec56
440	+112,	277	Sec56
441	+278,	277	Sec56
442	+279,	277	Sec56
443	+126,	280	Sec56
444	+281,	280	Sec56
445	+282,	280	Sec56
446	+140,	283	Sec56
447	+284,	283	Sec56
448	+285,	283	Sec56
449	+154,	286	Sec56
450	+287,	286	Sec56
451	+288,	286	Sec56
452	+289,	286	Sec56
453	+290,	289	Sec56
454	+291,	289	Sec56

LOAD

Name=AFTER : AFTER SELF-WEIGHT LOAD (부속시설하중 포함)

Type=Distributed Span

Add1	1	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add2	2	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add3	3	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add4	4	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add5	5	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add6	6	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add7	7	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add8	8	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add9	9	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add10	10	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add11	11	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add12	12	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add13	13	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add14	14	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add15	15	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add16	16	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add17	17	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add18	18	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add19	19	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add20	20	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add21	21	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add22	22	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add23	23	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add24	24	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add25	25	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add26	26	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add27	27	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616
Add28	28	RD=0.00, 1.000	Uzp=-18.651, -18.651	RI=-21.616, -21.616

[illegible][illegible][illegible]

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

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

3 활하중 재하시
< MOVING LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT
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2 X= 4.550 Y=0.000 Z=0.029
3 X= 9.550 Y=0.000 Z=0.061
4 X= 14.550 Y=0.000 Z=0.093
5 X= 19.550 Y=0.000 Z=0.125
6 X= 24.550 Y=0.000 Z=0.157
7 X= 29.550 Y=0.000 Z=0.189
8 X= 34.550 Y=0.000 Z=0.221
9 X= 39.550 Y=0.000 Z=0.253
10 X= 44.550 Y=0.000 Z=0.285
11 X= 49.550 Y=0.000 Z=0.317
12 X= 54.550 Y=0.000 Z=0.349
13 X= 59.550 Y=0.000 Z=0.381
14 X= 64.550 Y=0.000 Z=0.413
15 X= 69.550 Y=0.000 Z=0.445
16 X= 74.550 Y=0.000 Z=0.477
17 X= 79.550 Y=0.000 Z=0.509
18 X= 84.550 Y=0.000 Z=0.541
19 X= 89.550 Y=0.000 Z=0.573
20 X= 94.550 Y=0.000 Z=0.605
21 X= 99.550 Y=0.000 Z=0.637
22 X= 104.550 Y=0.000 Z=0.669
23 X= 109.550 Y=0.000 Z=0.701
24 X= 114.550 Y=0.000 Z=0.733
25 X= 119.550 Y=0.000 Z=0.765
26 X= 124.550 Y=0.000 Z=0.797
27 X= 129.550 Y=0.000 Z=0.829
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31 X= 149.550 Y=0.000 Z=0.957
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36 X= 174.550 Y=0.000 Z=1.117
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63 X= 309.550 Y=0.000 Z=1.981
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65 X= 319.550 Y=0.000 Z=2.045
66 X= 324.550 Y=0.000 Z=2.077

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193 X= 129.550 Y=-3.800 Z=0.905
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227 X= 299.550 Y=-3.800 Z=1.993
228 X= 304.550 Y=-3.800 Z=2.025
229 X= 309.550 Y=-3.800 Z=2.057
230 X= 314.550 Y=-3.800 Z=2.089
231 X= 319.550 Y=-3.800 Z=2.121
232 X= 324.550 Y=-3.800 Z=2.153
233 X= 329.550 Y=-3.800 Z=2.185
234 X= 334.550 Y=-3.800 Z=2.217
235 X= 339.550 Y=-3.800 Z=2.249
236 X= 344.550 Y=-3.800 Z=2.281
237 X= 349.550 Y=-3.800 Z=2.313
238 X= 354.550 Y=-3.800 Z=2.345
239 X= 359.550 Y=-3.800 Z=2.377
240 X= 364.550 Y=-3.800 Z=2.409
241 X= 369.550 Y=-3.800 Z=2.441
242 X= 374.550 Y=-3.800 Z=2.473
243 X= 379.550 Y=-3.800 Z=2.505
244 X= 384.550 Y=-3.800 Z=2.537
245 X= 389.550 Y=-3.800 Z=2.569
246 X= 394.550 Y=-3.800 Z=2.601
247 X= 399.550 Y=-3.800 Z=2.633
248 X= 404.550 Y=-3.800 Z=2.665
249 X= 409.100 Y=-3.800 Z=2.694
250 X= 0.000 Y=0.000 Z=-1.900
251 X= 0.000 Y=-0.864 Z=-1.900
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253 X= 69.550 Y=0.000 Z=-1.555
254 X= 69.550 Y=0.864 Z=-1.555
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270 X= 409.100 Y=-0.864 Z=0.718
271 X= 0.000 Y=-7.600 Z=-1.748
272 X= 0.000 Y=-6.736 Z=-1.748
273 X= 0.000 Y=-8.464 Z=-1.748
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275 X= 69.550 Y=-6.736 Z=-1.403
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283 X= 279.550 Y=-7.600 Z=-0.059
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Name=39
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287 X= 349.550 Y=-6.736 Z=0.389
288 X= 349.550 Y=-8.464 Z=0.389
289 X= 409.100 Y=-7.600 Z=0.870
290 X= 409.100 Y=-6.736 Z=0.870
291 X= 409.100 Y=-8.464 Z=0.870

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ADD= 252 ANG=-1.605
ADD= 254 ANG=-3.107
ADD= 255 ANG=-2.402
ADD= 257 ANG=-6.196
ADD= 258 ANG=-4.795
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ADD= 270 DOF= U3,
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ADD= 273 DOF= U2, U3,
ADD= 275 DOF= U2, U3,
ADD= 276 DOF= U2, U3,
ADD= 278 DOF= U2, U3,
ADD= 279 DOF= U2, U3,
ADD= 281 DOF= U1, U2, U3,
ADD= 282 DOF= U1, U2, U3,
ADD= 284 DOF= U2, U3,
ADD= 285 DOF= U2, U3,
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ADD= 288 DOF= U2, U3,
ADD= 290 DOF= U2, U3,
ADD= 291 DOF= U2, U3,

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Name= 3 Mat= 3 A=0.38561 I=0.74268882, 0.85242241 J=0.44759527 : GIRDER
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Name= 5 Mat= 5 A=0.42652 I=0.86797945, 0.86653755 J=0.40458699 : GIRDER
Name= 6 Mat= 6 A=0.44416 I=0.62065925, 0.87427989 J=0.38163536 : GIRDER
Name= 7 Mat= 7 A=0.44127 I=0.57262696, 0.86915745 J=0.36325855 : GIRDER
Name= 8 Mat= 8 A=0.41786 I=0.54365359, 0.8511169 J=0.34972332 : GIRDER
Name= 9 Mat= 9 A=0.39630 I=0.48061131, 0.83617962 J=0.33625787 : GIRDER
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Name= 11 Mat= 11 A=0.39241 I=0.51592881, 0.84101328 J=0.35998845 : GIRDER
Name= 12 Mat= 12 A=0.40445 I=0.67389492, 0.85668259 J=0.40097882 : GIRDER
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Name= 15 Mat= 15 A=0.50468 I=1.58009488, 0.95763503 J=0.63635120 : GIRDER
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Name= 38 Mat= 38 A=0.48226 I=1.47623072, 0.94174572 J=0.62252869 : GIRDER
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169 J= 3, 169 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
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172 J=170, 87 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
173 J= 5, 171 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
174 J=171, 88 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
175 J= 6, 172 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
176 J=172, 89 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
177 J= 7, 173 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
178 J=173, 90 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
179 J= 8, 174 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
180 J=174, 91 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
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182 J=175, 92 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
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274 J=221, 138 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
275 J= 56, 222 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0

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414 J=251, 250 Sec=56
415 J=252, 250 Sec=56
416 J= 15, 253 Sec=56
417 J=254, 253 Sec=56
418 J=255, 253 Sec=56
419 J= 29, 256 Sec=56
420 J=257, 256 Sec=56
421 J=258, 256 Sec=56

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281 J= 59, 225 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
282 J=225, 142 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
283 J= 60, 226 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
284 J=226, 143 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
285 J= 61, 227 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
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287 J= 62, 228 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
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296 J=232, 149 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
297 J= 67, 233 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
298 J=233, 150 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
299 J= 68, 234 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
300 J=234, 151 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
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302 J=235, 152 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
303 J= 70, 236 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
304 J=236, 153 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
305 J= 71, 237 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
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307 J= 72, 238 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
308 J=238, 155 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
309 J= 73, 239 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
310 J=239, 156 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
311 J= 74, 240 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
312 J=240, 157 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
313 J= 75, 241 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
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315 J= 76, 242 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
316 J=242, 159 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
317 J= 77, 243 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
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319 J= 78, 244 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
320 J=244, 161 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
321 J= 79, 245 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
322 J=245, 162 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
323 J= 80, 246 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
324 J=246, 163 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
325 J= 81, 247 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
326 J=247, 164 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
327 J= 82, 248 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
328 J=248, 165 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
329 J= 83, 249 Sec=54 IOFF=1.300 JOFF=0.000 RIGD=1.0
330 J=249, 166 Sec=54 IOFF=0.000 JOFF=1.300 RIGD=1.0
331 J=167, 168 Sec=55
332 J=168, 169 Sec=55
333 J=169, 170 Sec=55
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335 J=171, 172 Sec=55
336 J=172, 173 Sec=55
337 J=173, 174 Sec=55
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342 J=178, 179 Sec=55
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345 J=181, 182 Sec=55
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348 J=184, 185 Sec=55

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422 J= 43, 259 Sec=56
423 J=260, 259 Sec=56
424 J=261, 259 Sec=56
425 J= 57, 262 Sec=56
426 J=263, 262 Sec=56
427 J=264, 262 Sec=56
428 J= 71, 265 Sec=56
429 J=266, 265 Sec=56
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431 J= 83, 268 Sec=56
432 J=269, 268 Sec=56
433 J=270, 268 Sec=56
434 J= 84, 271 Sec=56
435 J=272, 271 Sec=56
436 J=273, 271 Sec=56
437 J= 98, 274 Sec=56
438 J=275, 274 Sec=56
439 J=276, 274 Sec=56
440 J=112, 277 Sec=56
441 J=278, 277 Sec=56
442 J=279, 277 Sec=56
443 J=126, 280 Sec=56
444 J=281, 280 Sec=56
445 J=282, 280 Sec=56
446 J=140, 283 Sec=56
447 J=284, 283 Sec=56
448 J=285, 283 Sec=56
449 J=154, 286 Sec=56
450 J=287, 286 Sec=56
451 J=288, 286 Sec=56
452 J=166, 289 Sec=56
453 J=290, 289 Sec=56
454 J=291, 289 Sec=56

LANE
: Case = 1 ----- G1 Max DB 1선
Name=L1G1
Path= 1, 14, 1, Ecc=0.342
Path= 15, 28, 1, Ecc=0.342
Path= 29, 42, 1, Ecc=0.342
Path= 43, 56, 1, Ecc=0.342
Path= 57, 70, 1, Ecc=0.342
Path= 71, 82, 1, Ecc=0.342
Name=L1G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L1G2
Path= 83, 96, 1, Ecc=1.788
Path= 97, 110, 1, Ecc=1.788
Path= 111, 124, 1, Ecc=1.788
Path= 125, 138, 1, Ecc=1.788
Path= 139, 152, 1, Ecc=1.788
Path= 153, 164, 1, Ecc=1.788

: Case = 2 ----- G1 Max DB 2선
Name=L2G1
Path= 1, 14, 1, Ecc=0.104
Path= 15, 28, 1, Ecc=0.104
Path= 29, 42, 1, Ecc=0.104
Path= 43, 56, 1, Ecc=0.104
Path= 57, 70, 1, Ecc=0.104
Path= 71, 82, 1, Ecc=0.104
Name=L2G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000

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Name=L2G2
Path= 83, 96, 1, Ecc=1.751
Path= 97, 110, 1, Ecc=1.751
Path= 111, 124, 1, Ecc=1.751
Path= 125, 138, 1, Ecc=1.751
Path= 139, 152, 1, Ecc=1.751
Path= 153, 164, 1, Ecc=1.751

: Case = 3 ----- G1 Max DB 3선
Name=L3G1
Path= 1, 14, 1, Ecc=-0.097
Path= 15, 28, 1, Ecc=-0.097
Path= 29, 42, 1, Ecc=-0.097
Path= 43, 56, 1, Ecc=-0.097
Path= 57, 70, 1, Ecc=-0.097
Path= 71, 82, 1, Ecc=-0.097
Name=L3G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L3G2
Path= 83, 96, 1, Ecc=0.877
Path= 97, 110, 1, Ecc=0.877
Path= 111, 124, 1, Ecc=0.877
Path= 125, 138, 1, Ecc=0.877
Path= 139, 152, 1, Ecc=0.877
Path= 153, 164, 1, Ecc=0.877

: Case = 4 ----- G2 Max DB 1선
Name=L4G1
Path= 1, 14, 1, Ecc=-1.788
Path= 15, 28, 1, Ecc=-1.788
Path= 29, 42, 1, Ecc=-1.788
Path= 43, 56, 1, Ecc=-1.788
Path= 57, 70, 1, Ecc=-1.788
Path= 71, 82, 1, Ecc=-1.788
Name=L4G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L4G2
Path= 83, 96, 1, Ecc=-0.342
Path= 97, 110, 1, Ecc=-0.342
Path= 111, 124, 1, Ecc=-0.342
Path= 125, 138, 1, Ecc=-0.342
Path= 139, 152, 1, Ecc=-0.342
Path= 153, 164, 1, Ecc=-0.342

: Case = 5 ----- G2 Max DB 2선
Name=L5G1
Path= 1, 14, 1, Ecc=-1.751
Path= 15, 28, 1, Ecc=-1.751
Path= 29, 42, 1, Ecc=-1.751
Path= 43, 56, 1, Ecc=-1.751
Path= 57, 70, 1, Ecc=-1.751
Path= 71, 82, 1, Ecc=-1.751
Name=L5G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L5G2
Path= 83, 96, 1, Ecc=0.104
Path= 97, 110, 1, Ecc=0.104
Path= 111, 124, 1, Ecc=0.104

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Path= 125, 138, 1, Ecc=0.104
Path= 139, 152, 1, Ecc=0.104
Path= 153, 164, 1, Ecc=0.104

: Case = 6 ----- G2 Max DB 3선
Name=L6G1
Path= 1, 14, 1, Ecc=-0.877
Path= 15, 28, 1, Ecc=-0.877
Path= 29, 42, 1, Ecc=-0.877
Path= 43, 56, 1, Ecc=-0.877
Path= 57, 70, 1, Ecc=-0.877
Path= 71, 82, 1, Ecc=-0.877
Name=L6G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L6G2
Path= 83, 96, 1, Ecc=0.097
Path= 97, 110, 1, Ecc=0.097
Path= 111, 124, 1, Ecc=0.097
Path= 125, 138, 1, Ecc=0.097
Path= 139, 152, 1, Ecc=0.097
Path= 153, 164, 1, Ecc=0.097

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: Case = 7 ----- G1 Max DL 1선
Name=L7G1
Path= 1, 14, 1, Ecc=0.335
Path= 15, 28, 1, Ecc=0.335
Path= 29, 42, 1, Ecc=0.335
Path= 43, 56, 1, Ecc=0.335
Path= 57, 70, 1, Ecc=0.335
Path= 71, 82, 1, Ecc=0.335
Name=L7G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L7G2
Path= 83, 96, 1, Ecc=1.788
Path= 97, 110, 1, Ecc=1.788
Path= 111, 124, 1, Ecc=1.788
Path= 125, 138, 1, Ecc=1.788
Path= 139, 152, 1, Ecc=1.788
Path= 153, 164, 1, Ecc=1.788

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: Case = 8 ----- G1 Max DL 2선
Name=L8G1
Path= 1, 14, 1, Ecc=-0.105
Path= 15, 28, 1, Ecc=-0.105
Path= 29, 42, 1, Ecc=-0.105
Path= 43, 56, 1, Ecc=-0.105
Path= 57, 70, 1, Ecc=-0.105
Path= 71, 82, 1, Ecc=-0.105
Name=L8G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L8G2
Path= 83, 96, 1, Ecc=1.864
Path= 97, 110, 1, Ecc=1.864
Path= 111, 124, 1, Ecc=1.864
Path= 125, 138, 1, Ecc=1.864
Path= 139, 152, 1, Ecc=1.864
Path= 153, 164, 1, Ecc=1.864

```

```

: Case = 9 ----- G1 Max DL 3선
Name=L9G1
Path= 1, 14, 1, Ecc=-0.102
Path= 15, 28, 1, Ecc=-0.102
Path= 29, 42, 1, Ecc=-0.102
Path= 43, 56, 1, Ecc=-0.102
Path= 57, 70, 1, Ecc=-0.102
Path= 71, 82, 1, Ecc=-0.102
Name=L9G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L9G2
Path= 83, 96, 1, Ecc=0.897
Path= 97, 110, 1, Ecc=0.897
Path= 111, 124, 1, Ecc=0.897
Path= 125, 138, 1, Ecc=0.897
Path= 139, 152, 1, Ecc=0.897
Path= 153, 164, 1, Ecc=0.897

: Case = 10 ----- G2 Max DL 1선
Name=L10G1
Path= 1, 14, 1, Ecc=-1.788
Path= 15, 28, 1, Ecc=-1.788
Path= 29, 42, 1, Ecc=-1.788
Path= 43, 56, 1, Ecc=-1.788
Path= 57, 70, 1, Ecc=-1.788
Path= 71, 82, 1, Ecc=-1.788
Name=L10G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L10G2
Path= 83, 96, 1, Ecc=-0.335
Path= 97, 110, 1, Ecc=-0.335
Path= 111, 124, 1, Ecc=-0.335
Path= 125, 138, 1, Ecc=-0.335
Path= 139, 152, 1, Ecc=-0.335
Path= 153, 164, 1, Ecc=-0.335

: Case = 11 ----- G2 Max DL 2선
Name=L11G1
Path= 1, 14, 1, Ecc=-1.864
Path= 15, 28, 1, Ecc=-1.864
Path= 29, 42, 1, Ecc=-1.864
Path= 43, 56, 1, Ecc=-1.864
Path= 57, 70, 1, Ecc=-1.864
Path= 71, 82, 1, Ecc=-1.864
Name=L11G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L11G2
Path= 83, 96, 1, Ecc=0.105
Path= 97, 110, 1, Ecc=0.105
Path= 111, 124, 1, Ecc=0.105
Path= 125, 138, 1, Ecc=0.105
Path= 139, 152, 1, Ecc=0.105
Path= 153, 164, 1, Ecc=0.105

: Case = 12 ----- G2 Max DL 3선
Name=L12G1
Path= 1, 14, 1, Ecc=-0.897
Path= 15, 28, 1, Ecc=-0.897

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Path= 29, 42, 1, Ecc=-0.897
Path= 43, 56, 1, Ecc=-0.897
Path= 57, 70, 1, Ecc=-0.897
Path= 71, 82, 1, Ecc=-0.897
Name=L12G1S1
Path= 331, 344, 1, Ecc=0.000
Path= 345, 358, 1, Ecc=0.000
Path= 359, 372, 1, Ecc=0.000
Path= 373, 386, 1, Ecc=0.000
Path= 387, 400, 1, Ecc=0.000
Path= 401, 412, 1, Ecc=0.000
Name=L12G2
Path= 83, 96, 1, Ecc=0.102
Path= 97, 110, 1, Ecc=0.102
Path= 111, 124, 1, Ecc=0.102
Path= 125, 138, 1, Ecc=0.102
Path= 139, 152, 1, Ecc=0.102
Path= 153, 164, 1, Ecc=0.102

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 PMM=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 Rf=1.000 : G1 Max DB 1선
Lane= L1G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.115
Lane= L1G2 Class=1 Lmin= 1 Lmax= 1 Sf=0.030

Name= 2 Rf=1.000 : G1 Max DB 2선
Lane= L2G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.758
Lane= L2G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.245

Name= 3 Rf=0.900 : G1 Max DB 3선
Lane= L3G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.746
Lane= L3G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.315
Lane= L3G2 Class=1 Lmin= 1 Lmax= 1 Sf=1.939

Name= 4 Rf=1.000 : G2 Max DB 1선
Lane= L4G1 Class=1 Lmin= 1 Lmax= 1 Sf=0.030
Lane= L4G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.115

Name= 5 Rf=1.000 : G2 Max DB 2선
Lane= L5G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.245
Lane= L5G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.758

Name= 6 Rf=0.900 : G2 Max DB 3선
Lane= L6G1 Class=1 Lmin= 1 Lmax= 1 Sf=1.939
Lane= L6G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.315
Lane= L6G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.746

Name= 7 Rf=1.000 : G1 Max DL 1선
Lane= L7G1 Class=2 Lmin= 1 Lmax= 1 Sf=3.179
Lane= L7G2 Class=2 Lmin= 1 Lmax= 1 Sf=0.046

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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=1.901

Name= 9 Rf=0.900 : G1 Max DL 3선
Lane= L9G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.120
Lane= L9G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.957
Lane= L9G2 Class=2 Lmin= 1 Lmax= 1 Sf=2.923

Name= 10 Rf=1.000 : G2 Max DL 1선
Lane= L10G1 Class=2 Lmin= 1 Lmax= 1 Sf=0.046
Lane= L10G2 Class=2 Lmin= 1 Lmax= 1 Sf=3.179

Name= 11 Rf=1.000 : G2 Max DL 2선
Lane= L11G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.901
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=2.923
Lane= L12G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.957
Lane= L12G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.120

COMBO
Name=G1XDB1 Type=ENVE : G1 Max DB 1선
MOVE=1 sf=1.151

Name=G1XDB2 Type=ENVE : G1 Max DB 2선
MOVE=2 sf=1.151

Name=G1XDB3 Type=ENVE : G1 Max DB 3선
MOVE=3 sf=1.151

Name=G2XDB1 Type=ENVE : G2 Max DB 1선
MOVE=4 sf=1.151

Name=G2XDB2 Type=ENVE : G2 Max DB 2선
MOVE=5 sf=1.151

Name=G2XDB3 Type=ENVE : G2 Max DB 3선
MOVE=6 sf=1.151

Name=G1XDL1 Type=ENVE : G1 Max DL 1선
MOVE=7 sf=1.151

Name=G1XDL2 Type=ENVE : G1 Max DL 2선
MOVE=8 sf=1.151

Name=G1XDL3 Type=ENVE : G1 Max DL 3선
MOVE=9 sf=1.151

Name=G2XDL1 Type=ENVE : G2 Max DL 1선
MOVE=10 sf=1.151

Name=G2XDL2 Type=ENVE : G2 Max DL 2선
MOVE=11 sf=1.151

Name=G2XDL3 Type=ENVE : G2 Max DL 3선
MOVE=12 sf=1.151

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= 4.550 Y=0.000 Z=0.029
3 X= 9.550 Y=0.000 Z=0.061
4 X= 14.550 Y=0.000 Z=0.093
5 X= 19.550 Y=0.000 Z=0.125
6 X= 24.550 Y=0.000 Z=0.157
7 X= 29.550 Y=0.000 Z=0.189
8 X= 34.550 Y=0.000 Z=0.221
9 X= 39.550 Y=0.000 Z=0.253
10 X= 44.550 Y=0.000 Z=0.285
11 X= 49.550 Y=0.000 Z=0.317
12 X= 54.550 Y=0.000 Z=0.349
13 X= 59.550 Y=0.000 Z=0.381
14 X= 64.550 Y=0.000 Z=0.413
15 X= 69.550 Y=0.000 Z=0.445
16 X= 74.550 Y=0.000 Z=0.477
17 X= 79.550 Y=0.000 Z=0.509
18 X= 84.550 Y=0.000 Z=0.541
19 X= 89.550 Y=0.000 Z=0.573
20 X= 94.550 Y=0.000 Z=0.605
21 X= 99.550 Y=0.000 Z=0.637
22 X= 104.550 Y=0.000 Z=0.669
23 X= 109.550 Y=0.000 Z=0.701
24 X= 114.550 Y=0.000 Z=0.733
25 X= 119.550 Y=0.000 Z=0.765
26 X= 124.550 Y=0.000 Z=0.797
27 X= 129.550 Y=0.000 Z=0.829
28 X= 134.550 Y=0.000 Z=0.861
29 X= 139.550 Y=0.000 Z=0.893
30 X= 144.550 Y=0.000 Z=0.925
31 X= 149.550 Y=0.000 Z=0.957
32 X= 154.550 Y=0.000 Z=0.989
33 X= 159.550 Y=0.000 Z=1.021
34 X= 164.550 Y=0.000 Z=1.053
35 X= 169.550 Y=0.000 Z=1.085
36 X= 174.550 Y=0.000 Z=1.117
37 X= 179.550 Y=0.000 Z=1.149
38 X= 184.550 Y=0.000 Z=1.181
39 X= 189.550 Y=0.000 Z=1.213
40 X= 194.550 Y=0.000 Z=1.245
41 X= 199.550 Y=0.000 Z=1.277
42 X= 204.550 Y=0.000 Z=1.309
43 X= 209.550 Y=0.000 Z=1.341
44 X= 214.550 Y=0.000 Z=1.373
45 X= 219.550 Y=0.000 Z=1.405
46 X= 224.550 Y=0.000 Z=1.437
47 X= 229.550 Y=0.000 Z=1.469
48 X= 234.550 Y=0.000 Z=1.501
49 X= 239.550 Y=0.000 Z=1.533
50 X= 244.550 Y=0.000 Z=1.565
51 X= 249.550 Y=0.000 Z=1.597
52 X= 254.550 Y=0.000 Z=1.629
53 X= 259.550 Y=0.000 Z=1.661
54 X= 264.550 Y=0.000 Z=1.693
55 X= 269.550 Y=0.000 Z=1.725
56 X= 274.550 Y=0.000 Z=1.757
57 X= 279.550 Y=0.000 Z=1.789
58 X= 284.550 Y=0.000 Z=1.821
59 X= 289.550 Y=0.000 Z=1.853
60 X= 294.550 Y=0.000 Z=1.885
61 X= 299.550 Y=0.000 Z=1.917
62 X= 304.550 Y=0.000 Z=1.949
63 X= 309.550 Y=0.000 Z=1.981
64 X= 314.550 Y=0.000 Z=2.013
65 X= 319.550 Y=0.000 Z=2.045
66 X= 324.550 Y=0.000 Z=2.077

67 X= 329.550 Y=0.000 Z=2.109
68 X= 334.550 Y=0.000 Z=2.141
69 X= 339.550 Y=0.000 Z=2.173
70 X= 344.550 Y=0.000 Z=2.205
71 X= 349.550 Y=0.000 Z=2.237
72 X= 354.550 Y=0.000 Z=2.269
73 X= 359.550 Y=0.000 Z=2.301
74 X= 364.550 Y=0.000 Z=2.333
75 X= 369.550 Y=0.000 Z=2.365
76 X= 374.550 Y=0.000 Z=2.397
77 X= 379.550 Y=0.000 Z=2.429
78 X= 384.550 Y=0.000 Z=2.461
79 X= 389.550 Y=0.000 Z=2.493
80 X= 394.550 Y=0.000 Z=2.525
81 X= 399.550 Y=0.000 Z=2.557
82 X= 404.550 Y=0.000 Z=2.589
83 X= 409.100 Y=0.000 Z=2.618
84 X= 0.000 Y=-7.600 Z=0.152
85 X= 4.550 Y=-7.600 Z=0.181
86 X= 9.550 Y=-7.600 Z=0.213
87 X= 14.550 Y=-7.600 Z=0.245
88 X= 19.550 Y=-7.600 Z=0.277
89 X= 24.550 Y=-7.600 Z=0.309
90 X= 29.550 Y=-7.600 Z=0.341
91 X= 34.550 Y=-7.600 Z=0.373
92 X= 39.550 Y=-7.600 Z=0.405
93 X= 44.550 Y=-7.600 Z=0.437
94 X= 49.550 Y=-7.600 Z=0.469
95 X= 54.550 Y=-7.600 Z=0.501
96 X= 59.550 Y=-7.600 Z=0.533
97 X= 64.550 Y=-7.600 Z=0.565
98 X= 69.550 Y=-7.600 Z=0.597
99 X= 74.550 Y=-7.600 Z=0.629
100 X= 79.550 Y=-7.600 Z=0.661
101 X= 84.550 Y=-7.600 Z=0.693
102 X= 89.550 Y=-7.600 Z=0.725
103 X= 94.550 Y=-7.600 Z=0.757
104 X= 99.550 Y=-7.600 Z=0.789
105 X= 104.550 Y=-7.600 Z=0.821
106 X= 109.550 Y=-7.600 Z=0.853
107 X= 114.550 Y=-7.600 Z=0.885
108 X= 119.550 Y=-7.600 Z=0.917
109 X= 124.550 Y=-7.600 Z=0.949
110 X= 129.550 Y=-7.600 Z=0.981
111 X= 134.550 Y=-7.600 Z=1.013
112 X= 139.550 Y=-7.600 Z=1.045
113 X= 144.550 Y=-7.600 Z=1.077
114 X= 149.550 Y=-7.600 Z=1.109
115 X= 154.550 Y=-7.600 Z=1.141
116 X= 159.550 Y=-7.600 Z=1.173
117 X= 164.550 Y=-7.600 Z=1.205
118 X= 169.550 Y=-7.600 Z=1.237
119 X= 174.550 Y=-7.600 Z=1.269
120 X= 179.550 Y=-7.600 Z=1.301
121 X= 184.550 Y=-7.600 Z=1.333
122 X= 189.550 Y=-7.600 Z=1.365
123 X= 194.550 Y=-7.600 Z=1.397
124 X= 199.550 Y=-7.600 Z=1.429
125 X= 204.550 Y=-7.600 Z=1.461
126 X= 209.550 Y=-7.600 Z=1.493
127 X= 214.550 Y=-7.600 Z=1.525
128 X= 219.550 Y=-7.600 Z=1.557
129 X= 224.550 Y=-7.600 Z=1.589
130 X= 229.550 Y=-7.600 Z=1.621
131 X= 234.550 Y=-7.600 Z=1.653
132 X= 239.550 Y=-7.600 Z=1.685
133 X= 244.550 Y=-7.600 Z=1.717
134 X= 249.550 Y=-7.600 Z=1.749
135 X= 254.550 Y=-7.600 Z=1.781
136 X= 259.550 Y=-7.600 Z=1.813
137 X= 264.550 Y=-7.600 Z=1.845
138 X= 269.550 Y=-7.600 Z=1.877
139 X= 274.550 Y=-7.600 Z=1.909

140 X= 279.550 Y=-7.600 Z=1.941
141 X= 284.550 Y=-7.600 Z=1.973
142 X= 289.550 Y=-7.600 Z=2.005
143 X= 294.550 Y=-7.600 Z=2.037
144 X= 299.550 Y=-7.600 Z=2.069
145 X= 304.550 Y=-7.600 Z=2.101
146 X= 309.550 Y=-7.600 Z=2.133
147 X= 314.550 Y=-7.600 Z=2.165
148 X= 319.550 Y=-7.600 Z=2.197
149 X= 324.550 Y=-7.600 Z=2.229
150 X= 329.550 Y=-7.600 Z=2.261
151 X= 334.550 Y=-7.600 Z=2.293
152 X= 339.550 Y=-7.600 Z=2.325
153 X= 344.550 Y=-7.600 Z=2.357
154 X= 349.550 Y=-7.600 Z=2.389
155 X= 354.550 Y=-7.600 Z=2.421
156 X= 359.550 Y=-7.600 Z=2.453
157 X= 364.550 Y=-7.600 Z=2.485
158 X= 369.550 Y=-7.600 Z=2.517
159 X= 374.550 Y=-7.600 Z=2.549
160 X= 379.550 Y=-7.600 Z=2.581
161 X= 384.550 Y=-7.600 Z=2.613
162 X= 389.550 Y=-7.600 Z=2.645
163 X= 394.550 Y=-7.600 Z=2.677
164 X= 399.550 Y=-7.600 Z=2.709
165 X= 404.550 Y=-7.600 Z=2.741
166 X= 409.100 Y=-7.600 Z=2.770
167 X= 0.000 Y=-3.800 Z=-0.076
168 X= 4.550 Y=-3.800 Z=-0.105
169 X= 9.550 Y=-3.800 Z=-0.137
170 X= 14.550 Y=-3.800 Z=-0.169
171 X= 19.550 Y=-3.800 Z=-0.201
172 X= 24.550 Y=-3.800 Z=-0.233
173 X= 29.550 Y=-3.800 Z=-0.265
174 X= 34.550 Y=-3.800 Z=-0.297
175 X= 39.550 Y=-3.800 Z=-0.329
176 X= 44.550 Y=-3.800 Z=-0.361
177 X= 49.550 Y=-3.800 Z=-0.393
178 X= 54.550 Y=-3.800 Z=-0.425
179 X= 59.550 Y=-3.800 Z=-0.457
180 X= 64.550 Y=-3.800 Z=-0.489
181 X= 69.550 Y=-3.800 Z=-0.521
182 X= 74.550 Y=-3.800 Z=-0.553
183 X= 79.550 Y=-3.800 Z=-0.585
184 X= 84.550 Y=-3.800 Z=-0.617
185 X= 89.550 Y=-3.800 Z=-0.649
186 X= 94.550 Y=-3.800 Z=-0.681
187 X= 99.550 Y=-3.800 Z=-0.713
188 X= 104.550 Y=-3.800 Z=-0.745
189 X= 109.550 Y=-3.800 Z=-0.777
190 X= 114.550 Y=-3.800 Z=-0.809
191 X= 119.550 Y=-3.800 Z=-0.841
192 X= 124.550 Y=-3.800 Z=-0.873
193 X= 129.550 Y=-3.800 Z=-0.905
194 X= 134.550 Y=-3.800 Z=-0.937
195 X= 139.550 Y=-3.800 Z=-0.969
196 X= 144.550 Y=-3.800 Z=-1.001
197 X= 149.550 Y=-3.800 Z=-1.033
198 X= 154.550 Y=-3.800 Z=-1.065
199 X= 159.550 Y=-3.800 Z=-1.097
200 X= 164.550 Y=-3.800 Z=-1.129
201 X= 169.550 Y=-3.800 Z=-1.161
202 X= 174.550 Y=-3.800 Z=-1.193
203 X= 179.550 Y=-3.800 Z=-1.225
204 X= 184.550 Y=-3.800 Z=-1.257
205 X= 189.550 Y=-3.800 Z=-1.289
206 X= 194.550 Y=-3.800 Z=-1.321
207 X= 199.550 Y=-3.800 Z=-1.353
208 X= 204.550 Y=-3.800 Z=-1.385
209 X= 209.550 Y=-3.800 Z=-1.417
210 X= 214.550 Y=-3.800 Z=-1.449
211 X= 219.550 Y=-3.800 Z=-1.481
212 X= 224.550 Y=-3.800 Z=-1.513

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286 X= 349.550 Y=-7.600 Z=0.389
287 X= 349.550 Y=-6.736 Z=0.389
288 X= 349.550 Y=-8.464 Z=0.389
289 X= 409.100 Y=-7.600 Z=0.870
290 X= 409.100 Y=-6.736 Z=0.870
291 X= 409.100 Y=-8.464 Z=0.870

LOCAL

ADD= 251 ANG=-2.077
ADD= 252 ANG=-1.605
ADD= 254 ANG=-3.107
ADD= 255 ANG=-2.402
ADD= 257 ANG=-6.196
ADD= 258 ANG=-4.795
ADD= 260 ANG=0.000
ADD= 261 ANG=0.000
ADD= 263 ANG=-6.196
ADD= 264 ANG=4.795
ADD= 266 ANG=-3.107
ADD= 267 ANG=-2.402
ADD= 269 ANG=-2.181
ADD= 270 ANG=1.686
ADD= 272 ANG=0.000
ADD= 273 ANG=0.000
ADD= 275 ANG=0.000
ADD= 276 ANG=0.000
ADD= 278 ANG=0.000
ADD= 279 ANG=0.000
ADD= 281 ANG=0.000
ADD= 282 ANG=0.000
ADD= 284 ANG=0.000
ADD= 285 ANG=0.000
ADD= 287 ANG=0.000
ADD= 288 ANG=0.000
ADD= 290 ANG=0.000
ADD= 291 ANG=0.000

RESTRAINT

ADD= 251 DOF= U3,
ADD= 252 DOF= U3,
ADD= 254 DOF= U3,
ADD= 255 DOF= U3,
ADD= 257 DOF= U3,
ADD= 258 DOF= U3,
ADD= 260 DOF= U1, U3,
ADD= 261 DOF= U1, U3,
ADD= 263 DOF= U3,
ADD= 264 DOF= U3,
ADD= 266 DOF= U3,
ADD= 267 DOF= U3,
ADD= 269 DOF= U3,
ADD= 270 DOF= U3,
ADD= 272 DOF= U2, U3,
ADD= 273 DOF= U2, U3,
ADD= 275 DOF= U2, U3,
ADD= 276 DOF= U2, U3,
ADD= 278 DOF= U2, U3,
ADD= 279 DOF= U2, U3,
ADD= 281 DOF= U1, U2, U3,
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ADD= 285 DOF= U2, U3,
ADD= 287 DOF= U2, U3,
ADD= 288 DOF= U2, U3,
ADD= 290 DOF= U2, U3,
ADD= 291 DOF= U2, U3,

MATERIAL

Name=1
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Name=2
E=2.05e+008
Name=3

213 X= 229.550 Y=-3.800 Z=1.545
214 X= 234.550 Y=-3.800 Z=1.577
215 X= 239.550 Y=-3.800 Z=1.609
216 X= 244.550 Y=-3.800 Z=1.641
217 X= 249.550 Y=-3.800 Z=1.673
218 X= 254.550 Y=-3.800 Z=1.705
219 X= 259.550 Y=-3.800 Z=1.737
220 X= 264.550 Y=-3.800 Z=1.769
221 X= 269.550 Y=-3.800 Z=1.801
222 X= 274.550 Y=-3.800 Z=1.833
223 X= 279.550 Y=-3.800 Z=1.865
224 X= 284.550 Y=-3.800 Z=1.897
225 X= 289.550 Y=-3.800 Z=1.929
226 X= 294.550 Y=-3.800 Z=1.961
227 X= 299.550 Y=-3.800 Z=1.993
228 X= 304.550 Y=-3.800 Z=2.025
229 X= 309.550 Y=-3.800 Z=2.057
230 X= 314.550 Y=-3.800 Z=2.089
231 X= 319.550 Y=-3.800 Z=2.121
232 X= 324.550 Y=-3.800 Z=2.153
233 X= 329.550 Y=-3.800 Z=2.185
234 X= 334.550 Y=-3.800 Z=2.217
235 X= 339.550 Y=-3.800 Z=2.249
236 X= 344.550 Y=-3.800 Z=2.281
237 X= 349.550 Y=-3.800 Z=2.313
238 X= 354.550 Y=-3.800 Z=2.345
239 X= 359.550 Y=-3.800 Z=2.377
240 X= 364.550 Y=-3.800 Z=2.409
241 X= 369.550 Y=-3.800 Z=2.441
242 X= 374.550 Y=-3.800 Z=2.473
243 X= 379.550 Y=-3.800 Z=2.505
244 X= 384.550 Y=-3.800 Z=2.537
245 X= 389.550 Y=-3.800 Z=2.569
246 X= 394.550 Y=-3.800 Z=2.601
247 X= 399.550 Y=-3.800 Z=2.633
248 X= 404.550 Y=-3.800 Z=2.665
249 X= 409.100 Y=-3.800 Z=2.697
250 X= 0.000 Y=0.000 Z=-1.900
251 X= 0.000 Y=-0.864 Z=-1.900
252 X= 0.000 Y=-0.864 Z=-1.900
253 X= 69.550 Y=0.000 Z=-1.555
254 X= 69.550 Y=0.864 Z=-1.555
255 X= 69.550 Y=-0.864 Z=-1.555
256 X= 139.550 Y=0.000 Z=-1.107
257 X= 139.550 Y=0.864 Z=-1.107
258 X= 139.550 Y=-0.864 Z=-1.107
259 X= 209.550 Y=0.000 Z=-0.659
260 X= 209.550 Y=0.864 Z=-0.659
261 X= 209.550 Y=-0.864 Z=-0.659
262 X= 279.550 Y=0.000 Z=-0.211
263 X= 279.550 Y=0.864 Z=-0.211
264 X= 279.550 Y=-0.864 Z=-0.211
265 X= 349.550 Y=0.000 Z=0.237
266 X= 349.550 Y=0.864 Z=0.237
267 X= 349.550 Y=-0.864 Z=0.237
268 X= 409.100 Y=0.000 Z=0.718
269 X= 409.100 Y=0.864 Z=0.718
270 X= 409.100 Y=-0.864 Z=0.718
271 X= 0.000 Y=-7.600 Z=-1.748
272 X= 0.000 Y=-6.736 Z=-1.748
273 X= 0.000 Y=-8.464 Z=-1.748
274 X= 69.550 Y=-7.600 Z=-1.403
275 X= 69.550 Y=-6.736 Z=-1.403
276 X= 69.550 Y=-8.464 Z=-1.403
277 X= 139.550 Y=-7.600 Z=-0.955
278 X= 139.550 Y=-6.736 Z=-0.955
279 X= 139.550 Y=-8.464 Z=-0.955
280 X= 209.550 Y=-7.600 Z=-0.507
281 X= 209.550 Y=-6.736 Z=-0.507
282 X= 209.550 Y=-8.464 Z=-0.507
283 X= 279.550 Y=-7.600 Z=-0.059
284 X= 279.550 Y=-6.736 Z=-0.059
285 X= 279.550 Y=-8.464 Z=-0.059

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E=2.05e+008

Name=4

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Name=5

E=2.05e+008

Name=6

E=2.05e+008

Name=7

E=2.05e+008

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Name=39

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- 72 -

Name=40
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E-2.05e+008

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Name= 2 Mat= 2 A=0.39600 I=0.93020458, 0.87107307 J=0.51235796 : GIRDER
Name= 3 Mat= 3 A=0.38561 I=0.74268882, 0.85242241 J=0.44759527 : GIRDER
Name= 4 Mat= 4 A=0.41632 I=0.73201065, 0.86608603 J=0.43235351 : GIRDER
Name= 5 Mat= 5 A=0.42652 I=0.88797945, 0.86653755 J=0.40458699 : GIRDER
Name= 6 Mat= 6 A=0.44416 I=0.6205525, 0.87472989 J=0.38162536 : GIRDER
Name= 7 Mat= 7 A=0.44127 I=0.57262696, 0.86915745 J=0.36325955 : GIRDER
Name= 8 Mat= 8 A=0.41786 I=0.54365359, 0.85111169 J=0.34972332 : GIRDER
Name= 9 Mat= 9 A=0.39630 I=0.48061131, 0.83617962 J=0.33625787 : GIRDER
Name= 10 Mat= 10 A=0.35902 I=0.51913637, 0.84104780 J=0.35302641 : GIRDER
Name= 11 Mat= 11 A=0.39241 I=0.51552881, 0.84101328 J=0.35926845 : GIRDER
Name= 12 Mat= 12 A=0.40445 I=0.67389492, 0.85668259 J=0.40097882 : GIRDER
Name= 13 Mat= 13 A=0.43517 I=0.94578082, 0.88784534 J=0.48519681 : GIRDER
Name= 14 Mat= 14 A=0.49579 I=1.33115979, 0.94197044 J=0.57775452 : GIRDER
Name= 15 Mat= 15 A=0.50468 I=1.58009486, 0.95760503 J=0.63635120 : GIRDER
Name= 16 Mat= 16 A=0.49584 I=1.33256669, 0.94206913 J=0.57812333 : GIRDER
Name= 17 Mat= 17 A=0.45208 I=0.96639347, 0.90015652 J=0.49110439 : GIRDER
Name= 18 Mat= 18 A=0.42139 I=0.68749513, 0.86922029 J=0.40619234 : GIRDER
Name= 19 Mat= 19 A=0.39255 I=0.57019761, 0.84126453 J=0.36081877 : GIRDER
Name= 20 Mat= 20 A=0.39553 I=0.43905775, 0.82931911 J=0.29551302 : GIRDER
Name= 21 Mat= 21 A=0.34599 I=0.34645075, 0.79851235 J=0.27441889 : GIRDER
Name= 22 Mat= 22 A=0.34506 I=0.33689061, 0.79683093 J=0.26933252 : GIRDER
Name= 23 Mat= 23 A=0.34873 I=0.37576246, 0.80350244 J=0.28962629 : GIRDER
Name= 24 Mat= 24 A=0.35335 I=0.42827213, 0.81189350 J=0.31555568 : GIRDER
Name= 25 Mat= 25 A=0.37659 I=0.58236060, 0.83619457 J=0.35739888 : GIRDER
Name= 26 Mat= 26 A=0.39608 I=0.7801925, 0.85940846 J=0.43784383 : GIRDER
Name= 27 Mat= 27 A=0.43984 I=1.10922488, 0.90206587 J=0.53871673 : GIRDER
Name= 28 Mat= 28 A=0.44866 I=1.31896901, 0.91772747 J=0.59563092 : GIRDER
Name= 29 Mat= 29 A=0.39099 I=0.58867324, 0.84503562 J=0.35739888 : GIRDER
Name= 30 Mat= 30 A=0.37335 I=0.4322640, 0.82519305 J=0.31728314 : GIRDER
Name= 31 Mat= 31 A=0.35433 I=0.37744086, 0.80778413 J=0.29127374 : GIRDER
Name= 32 Mat= 32 A=0.36279 I=0.39327386, 0.81126927 J=0.30164712 : GIRDER
Name= 33 Mat= 33 A=0.36186 I=0.38261798, 0.80959718 J=0.29627377 : GIRDER
Name= 34 Mat= 34 A=0.35895 I=0.43026317, 0.81613964 J=0.31728314 : GIRDER
Name= 35 Mat= 35 A=0.38779 I=0.58919808, 0.84453236 J=0.36020455 : GIRDER
Name= 36 Mat= 36 A=0.41849 I=0.85824034, 0.87594133 J=0.46334251 : GIRDER
Name= 37 Mat= 37 A=0.47344 I=1.24381928, 0.92616482 J=0.56470721 : GIRDER

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Name= 113 Type=Nonpr Sec= 41, 40
Name= 114 Type=Nonpr Sec= 42, 26
Name= 115 Type=Nonpr Sec= 42, 43
Name= 116 Type=Nonpr Sec= 43, 42
Name= 117 Type=Nonpr Sec= 44, 45
Name= 118 Type=Nonpr Sec= 45, 46
Name= 119 Type=Nonpr Sec= 46, 47
Name= 120 Type=Nonpr Sec= 47, 48
Name= 121 Type=Nonpr Sec= 48, 49
Name= 122 Type=Nonpr Sec= 49, 50
Name= 123 Type=Nonpr Sec= 50, 51
Name= 124 Type=Nonpr Sec= 51, 52
Name= 125 Type=Nonpr Sec= 52, 53

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1 J= 1, 2 Sec=57 Local=12 Pdir=Z,+X NSEQ=4
2 J= 2, 3 Sec=58
3 J= 3, 4 Sec=59
4 J= 4, 5 Sec=60
5 J= 5, 6 Sec=61
6 J= 6, 7 Sec=62
7 J= 7, 8 Sec=63
8 J= 8, 9 Sec=64
9 J= 9, 10 Sec=65
10 J= 10, 11 Sec=66
11 J= 11, 12 Sec=67
12 J= 12, 13 Sec=68
13 J= 13, 14 Sec=69
14 J= 14, 15 Sec=70
15 J= 15, 16 Sec=71
16 J= 16, 17 Sec=72
17 J= 17, 18 Sec=73
18 J= 18, 19 Sec=74
19 J= 19, 20 Sec=75
20 J= 20, 21 Sec=76
21 J= 21, 22 Sec=77
22 J= 22, 23 Sec=79
23 J= 23, 24 Sec=78
24 J= 24, 25 Sec=80
25 J= 25, 26 Sec=81
26 J= 26, 27 Sec=82
27 J= 27, 28 Sec=85
28 J= 28, 29 Sec=89
29 J= 29, 30 Sec=90
30 J= 30, 31 Sec=88
31 J= 31, 32 Sec=86
32 J= 32, 33 Sec=91
33 J= 33, 34 Sec=92
34 J= 34, 35 Sec=95
35 J= 35, 36 Sec=99
36 J= 36, 37 Sec=100
37 J= 37, 38 Sec=98
38 J= 38, 39 Sec=96
39 J= 39, 40 Sec=102
40 J= 40, 41 Sec=103
41 J= 41, 42 Sec=104
42 J= 42, 43 Sec=107
43 J= 43, 44 Sec=108
44 J= 44, 45 Sec=106
45 J= 45, 46 Sec=105
46 J= 46, 47 Sec=110
47 J= 47, 48 Sec=92
48 J= 48, 49 Sec=97
49 J= 49, 50 Sec=112
50 J= 50, 51 Sec=113
51 J= 51, 52 Sec=111
52 J= 52, 53 Sec=96
53 J= 53, 54 Sec=101
54 J= 54, 55 Sec=82
55 J= 55, 56 Sec=87
56 J= 56, 57 Sec=115

Name= 38 Mat= 38 A=0.48226 I=1.47623072, 0.94174572 J=0.62252889 : GIRDER
Name= 39 Mat= 39 A=0.40219 I=0.59451458, 0.85330085 J=0.36020455 : GIRDER
Name= 40 Mat= 40 A=0.35719 I=0.37094890, 0.80703558 J=0.29008934 : GIRDER
Name= 41 Mat= 41 A=0.35626 I=0.36080641, 0.80536052 J=0.28483342 : GIRDER
Name= 42 Mat= 42 A=0.45104 I=1.15429428, 0.91013439 J=0.54836108 : GIRDER
Name= 43 Mat= 43 A=0.45988 I=1.37161517, 0.92576710 J=0.60583049 : GIRDER
Name= 44 Mat= 44 A=0.43746 I=1.26806473, 0.90965085 J=0.58428570 : GIRDER
Name= 45 Mat= 45 A=0.42068 I=1.12847368, 0.89748012 J=0.54371617 : GIRDER
Name= 46 Mat= 46 A=0.41266 I=1.11323378, 0.89975221 J=0.53592176 : GIRDER
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Name= 52 Mat= 52 A=0.39266 I=0.99061121, 0.87691124 J=0.53354813 : GIRDER
Name= 53 Mat= 53 A=0.38706 I=0.88489126, 0.86685469 J=0.49902651 : GIRDER
Name= 54 Mat= 54 A=0.03480 I=0.02178871, 0.00005433 J=0.00000167 : CROSSBEAM
Name= 55 Mat= 55 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : STRINGER
Name= 56 Mat= 56 A=10.00000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
Name= 57 Type=Nonpr Sec= 1, 2 Elvar=2.1
Name= 58 Type=Nonpr Sec= 2, 3
Name= 59 Type=Nonpr Sec= 3, 4
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Name= 108 Type=Nonpr Sec= 38, 37
Name= 109 Type=Nonpr Sec= 38, 44
Name= 110 Type=Nonpr Sec= 39, 30

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68 J= 68, 69 Sec=103
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70 J= 70, 71 Sec=107
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95 J= 96, 97 Sec=69
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128 J=129, 130 Sec=110
129 J=130, 131 Sec=92

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- 78 -

- 79 -

- 80 -

422 J= 43, 259 Sec=56
 423 J=260, 259 Sec=56
 424 J=261, 259 Sec=56
 425 J= 57, 262 Sec=56
 426 J=263, 262 Sec=56
 427 J=264, 262 Sec=56
 428 J= 71, 265 Sec=56
 429 J=266, 265 Sec=56
 430 J=267, 265 Sec=56
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 437 J= 98, 274 Sec=56
 438 J=275, 274 Sec=56
 439 J=276, 274 Sec=56
 440 J=112, 277 Sec=56
 441 J=278, 277 Sec=56
 442 J=279, 277 Sec=56
 443 J=126, 280 Sec=56
 444 J=281, 280 Sec=56
 445 J=282, 280 Sec=56
 446 J=140, 283 Sec=56
 447 J=284, 283 Sec=56
 448 J=285, 283 Sec=56
 449 J=154, 286 Sec=56
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 453 J=290, 289 Sec=56
 454 J=291, 289 Sec=56

LOAD
 Name=-P1 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=251 Uz=-0.010
 Add=252 Uz=-0.010
 Add=272 Uz=-0.010
 Add=273 Uz=-0.010

Name=-P2 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=254 Uz=-0.010
 Add=255 Uz=-0.010
 Add=275 Uz=-0.010
 Add=276 Uz=-0.010

Name=-P3 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=257 Uz=-0.010
 Add=258 Uz=-0.010
 Add=278 Uz=-0.010
 Add=279 Uz=-0.010

Name=-P4 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=260 Uz=-0.010
 Add=261 Uz=-0.010
 Add=281 Uz=-0.010
 Add=282 Uz=-0.010

Name=-P5 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=263 Uz=-0.010
 Add=284 Uz=-0.010
 Add=284 Uz=-0.010
 Add=285 Uz=-0.010

Name=-P6 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=266 Uz=-0.010

Add=267 Uz=-0.010
 Add=287 Uz=-0.010
 Add=288 Uz=-0.010

Name=-A2 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=269 Uz=-0.010
 Add=270 Uz=-0.010
 Add=290 Uz=-0.010
 Add=291 Uz=-0.010

Name=-2N+1- : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=251 Uz=-0.010
 Add=252 Uz=-0.010
 Add=272 Uz=-0.010
 Add=273 Uz=-0.010
 Add=257 Uz=-0.010
 Add=258 Uz=-0.010
 Add=278 Uz=-0.010
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 Add=264 Uz=-0.010
 Add=284 Uz=-0.010
 Add=285 Uz=-0.010
 Add=269 Uz=-0.010
 Add=270 Uz=-0.010
 Add=290 Uz=-0.010
 Add=291 Uz=-0.010

Name=-2N+2- : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=254 Uz=-0.010
 Add=255 Uz=-0.010
 Add=275 Uz=-0.010
 Add=276 Uz=-0.010
 Add=260 Uz=-0.010
 Add=261 Uz=-0.010
 Add=281 Uz=-0.010
 Add=282 Uz=-0.010
 Add=266 Uz=-0.010
 Add=267 Uz=-0.010
 Add=287 Uz=-0.010
 Add=288 Uz=-0.010

COMBO
 Name=SETTLE Type=ENVE ;
 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=-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=**