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*
*          STAAD.Pro V8i SELECTseries4          *
*          Version  20.07.09.31                  *
*          Proprietary Program of                 *
*          Bentley Systems, Inc.                  *
*          Date=    NOV  9, 2020                  *
*          Time=    0:52: 3                      *
*
*          USER ID: HP                          *
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1. STAAD SPACE
INPUT FILE: RAJESH KUMAR [ BEAVA ].STD
2. START JOB INFORMATION
3. ENGINEER DATE 08-NOV-20
4. END JOB INFORMATION
5. INPUT WIDTH 79
6. UNIT METER KN
7. JOINT COORDINATES
8. 1 0 0 0; 2 5 0 0; 3 10 0 0; 4 15 0 0; 5 0 0 30; 6 5 0 30; 7 10 0 30; 8 15 0 30
9. 9 0 0 60; 10 5 0 60; 11 10 0 60; 12 15 0 60; 13 0 0 90; 14 5 0 90; 15 10 0 90
10. 16 15 0 90; 17 0 0 120; 18 5 0 120; 19 10 0 120; 20 15 0 120; 21 0 0 150
11. 22 5 0 150; 23 10 0 150; 24 15 0 150; 25 5 -12 0; 26 10 -12 0; 27 5 -12 30
12. 28 10 -12 30; 29 5 -12 60; 30 10 -12 60; 31 5 -12 90; 32 10 -12 90
13. 33 5 -12 120; 34 10 -12 120; 35 5 -12 150; 36 10 -12 150; 37 1.5 0 0
14. 38 1.5 0 15; 39 0 0 15; 40 3 0 0; 41 3 0 15; 42 4.5 0 0; 43 4.5 0 15; 44 6 0 0
15. 45 6 0 15; 46 7.5 0 0; 47 7.5 0 15; 48 9 0 0; 49 9 0 15; 50 10.5 0 0
16. 51 10.5 0 15; 52 12 0 0; 53 12 0 15; 54 13.5 0 0; 55 13.5 0 15; 56 15 0 15
17. 57 1.5 0 30; 58 3 0 30; 59 4.5 0 30; 60 6 0 30; 61 7.5 0 30; 62 9 0 30
18. 63 10.5 0 30; 64 12 0 30; 65 13.5 0 30; 66 1.5 0 45; 67 0 0 45; 68 3 0 45
19. 69 4.5 0 45; 70 6 0 45; 71 7.5 0 45; 72 9 0 45; 73 10.5 0 45; 74 12 0 45
20. 75 13.5 0 45; 76 15 0 45; 77 1.5 0 60; 78 3 0 60; 79 4.5 0 60; 80 6 0 60
21. 81 7.5 0 60; 82 9 0 60; 83 10.5 0 60; 84 12 0 60; 85 13.5 0 60; 86 1.5 0 75
22. 87 0 0 75; 88 3 0 75; 89 4.5 0 75; 90 6 0 75; 91 7.5 0 75; 92 9 0 75
23. 93 10.5 0 75; 94 12 0 75; 95 13.5 0 75; 96 15 0 75; 97 1.5 0 90; 98 3 0 90
24. 99 4.5 0 90; 100 6 0 90; 101 7.5 0 90; 102 9 0 90; 103 10.5 0 90; 104 12 0 90
25. 105 13.5 0 90; 106 1.5 0 105; 107 0 0 105; 108 3 0 105; 109 4.5 0 105
26. 110 6 0 105; 111 7.5 0 105; 112 9 0 105; 113 10.5 0 105; 114 12 0 105
27. 115 13.5 0 105; 116 15 0 105; 117 1.5 0 120; 118 3 0 120; 119 4.5 0 120
28. 120 6 0 120; 121 7.5 0 120; 122 9 0 120; 123 10.5 0 120; 124 12 0 120
29. 125 13.5 0 120; 126 1.5 0 135; 127 0 0 135; 128 3 0 135; 129 4.5 0 135
30. 130 6 0 135; 131 7.5 0 135; 132 9 0 135; 133 10.5 0 135; 134 12 0 135
31. 135 13.5 0 135; 136 15 0 135; 137 1.5 0 150; 138 3 0 150; 139 4.5 0 150
32. 140 6 0 150; 141 7.5 0 150; 142 9 0 150; 143 10.5 0 150; 144 12 0 150
33. 145 13.5 0 150
34. MEMBER INCIDENCES
35. 1 1 37; 2 2 44; 3 3 50; 4 1 39; 5 2 6; 6 3 7; 7 4 56; 8 5 57; 9 6 60; 10 7 63
36. 11 5 67; 12 6 10; 13 7 11; 14 8 76; 15 9 77; 16 10 80; 17 11 83; 18 9 87
37. 19 10 14; 20 11 15; 21 12 96; 22 13 97; 23 14 100; 24 15 103; 25 13 107
38. 26 14 18; 27 15 19; 28 16 116; 29 17 117; 30 18 120; 31 19 123; 32 17 127

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39. 33 18 22; 34 19 23; 35 20 136; 36 21 137; 37 22 140; 38 23 143; 39 2 25
40. 40 3 26; 41 6 27; 42 7 28; 43 10 29; 44 11 30; 45 14 31; 46 15 32; 47 18 33
41. 48 19 34; 49 22 35; 50 23 36; 51 37 40; 52 39 5; 54 40 42; 56 42 2; 58 44 46
42. 60 46 48; 62 48 3; 64 50 52; 66 52 54; 68 54 4; 70 56 8; 72 57 58; 74 58 59
43. 76 59 6; 78 60 61; 80 61 62; 82 62 7; 84 63 64; 86 64 65; 88 65 8; 91 67 9
44. 101 76 12; 103 77 78; 105 78 79; 107 79 10; 109 80 81; 111 81 82; 113 82 11
45. 115 83 84; 117 84 85; 119 85 12; 122 87 13; 132 96 16; 134 97 98; 136 98 99
46. 138 99 14; 140 100 101; 142 101 102; 144 102 15; 146 103 104; 148 104 105
47. 150 105 16; 153 107 17; 163 116 20; 165 117 118; 167 118 119; 169 119 18
48. 171 120 121; 173 121 122; 175 122 19; 177 123 124; 179 124 125; 181 125 20
49. 184 127 21; 194 136 24; 196 137 138; 198 138 139; 200 139 22; 202 140 141
50. 204 141 142; 206 142 23; 208 143 144; 210 144 145; 212 145 24
51. ELEMENT INCIDENCES SHELL
52. 53 1 37 38 39; 55 37 40 41 38; 57 40 42 43 41; 59 42 44 45 43; 61 44 46 47 45
53. 63 46 48 49 47; 65 48 50 51 49; 67 50 52 53 51; 69 52 54 55 53; 71 54 4 56 55
54. 73 39 38 57 5; 75 38 41 58 57; 77 41 43 59 58; 79 43 45 60 59; 81 45 47 61 60
55. 83 47 49 62 61; 85 49 51 63 62; 87 51 53 64 63; 89 53 55 65 64; 90 55 56 8 65
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57. 97 61 62 72 71; 98 62 63 73 72; 99 63 64 74 73; 100 64 65 75 74
58. 102 65 8 76 75; 104 67 66 77 9; 106 66 68 78 77; 108 68 69 79 78
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60. 118 73 74 84 83; 120 74 75 85 84; 121 75 76 12 85; 123 9 77 86 87
61. 124 77 78 88 86; 125 78 79 89 88; 126 79 80 90 89; 127 80 81 91 90
62. 128 81 82 92 91; 129 82 83 93 92; 130 83 84 94 93; 131 84 85 95 94
63. 133 85 12 96 95; 135 87 86 97 13; 137 86 88 98 97; 139 88 89 99 98
64. 141 89 90 100 99; 143 90 91 101 100; 145 91 92 102 101; 147 92 93 103 102
65. 149 93 94 104 103; 151 94 95 105 104; 152 95 96 16 105; 154 13 97 106 107
66. 155 97 98 108 106; 156 98 99 109 108; 157 99 100 110 109; 158 100 101 111 110
67. 159 101 102 112 111; 160 102 103 113 112; 161 103 104 114 113
68. 162 104 105 115 114; 164 105 16 116 115; 166 107 106 117 17
69. 168 106 108 118 117; 170 108 109 119 118; 172 109 110 120 119
70. 174 110 111 121 120; 176 111 112 122 121; 178 112 113 123 122
71. 180 113 114 124 123; 182 114 115 125 124; 183 115 116 20 125
72. 185 17 117 126 127; 186 117 118 128 126; 187 118 119 129 128
73. 188 119 120 130 129; 189 120 121 131 130; 190 121 122 132 131
74. 191 122 123 133 132; 192 123 124 134 133; 193 124 125 135 134
75. 195 125 20 136 135; 197 127 126 137 21; 199 126 128 138 137
76. 201 128 129 139 138; 203 129 130 140 139; 205 130 131 141 140
77. 207 131 132 142 141; 209 132 133 143 142; 211 133 134 144 143
78. 213 134 135 145 144; 214 135 136 24 145
79. ELEMENT PROPERTY
80. 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 90 92 TO 100 102 -
81. 104 106 108 110 112 114 116 118 120 121 123 TO 131 133 135 137 139 141 143 -
82. 145 147 149 151 152 154 TO 162 164 166 168 170 172 174 176 178 180 182 183 -
83. 185 TO 193 195 197 199 201 203 205 207 209 211 213 214 THICKNESS 0.3
84. DEFINE MATERIAL START
85. ISOTROPIC CONCRETE
86. E 2.17185E+007
87. POISSON 0.17
88. DENSITY 23.5616
89. ALPHA 1E-005
90. DAMP 0.05
91. TYPE CONCRETE
92. STRENGTH FCU 27579
93. END DEFINE MATERIAL
94. MEMBER PROPERTY INDIAN

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95. 39 TO 50 PRIS YD 1.5
96. 1 TO 38 51 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 91 101 -
97. 103 105 107 109 111 113 115 117 119 122 132 134 136 138 140 142 144 146 148 -
98. 150 153 163 165 167 169 171 173 175 177 179 181 184 194 196 198 200 202 204 -
99. 206 208 210 212 PRIS YD 1 ZD 1
100. CONSTANTS
101. MATERIAL CONCRETE ALL
102. SUPPORTS
103. 25 TO 36 PINNED
104. LOAD 1 LOADTYPE DEAD TITLE DEAD
105. SELFWEIGHT Y -1
106. LOAD 2 IRC: SLS CLASS 70R LOADING N19: DISP X +VE
107. ELEMENT LOAD
108. 211 PR GY -0.1 0.722 6.266
109. 211 PR GY -0.1 0.627 6.266
110. 211 PR GY -0.1 0.533 6.266
111. 211 PR GY -0.1 0.438 6.266
112. 211 PR GY -0.1 0.344 6.266
113. 211 PR GY -0.1 0.249 6.266
114. 213 PR GY -0.1 -0.4 6.266
115. 213 PR GY -0.1 -0.495 6.266
116. 213 PR GY -0.1 -0.589 6.266
117. 213 PR GY -0.1 -0.684 6.266
118. 214 PR GY -0.1 0.15 6.266
119. 214 PR GY -0.1 0.056 6.266
120. 214 PR GY -0.1 -0.039 6.266
121. 214 PR GY -0.1 -0.133 6.266
122. 214 PR GY -0.1 -0.228 6.266
123. 214 PR GY -0.1 -0.322 6.266
124. 214 PR GY -0.1 -0.417 6.266
125. 214 PR GY -0.1 -0.511 6.266
126. 214 PR GY -0.1 -0.606 6.266
127. 214 PR GY -0.1 -0.7 6.266
128. 180 PR GY -0.1 0.722 -2.264
129. 180 PR GY -0.1 0.628 -2.264
130. 180 PR GY -0.1 0.533 -2.264
131. 180 PR GY -0.1 0.439 -2.264
132. 180 PR GY -0.1 0.344 -2.264
133. 180 PR GY -0.1 0.25 -2.264
134. 182 PR GY -0.1 -0.4 -2.264
135. 182 PR GY -0.1 -0.494 -2.264
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137. 182 PR GY -0.1 -0.683 -2.264
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146. 183 PR GY -0.1 -0.606 -2.264
147. 183 PR GY -0.1 -0.7 -2.264
148. 180 PR GY -89.5868 0.25 -2.264 0.75 2.306
149. 182 PR GY -89.5868 -0.75 -2.264 -0.4 2.306
150. 183 PR GY -89.5868 -0.7 -2.264 0.15 2.306
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151. 180 PR GY -0.1 0.722 4.591
152. 180 PR GY -0.1 0.628 4.591
153. 180 PR GY -0.1 0.533 4.591
154. 180 PR GY -0.1 0.439 4.591
155. 180 PR GY -0.1 0.344 4.591
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157. 182 PR GY -0.1 -0.4 4.591
158. 182 PR GY -0.1 -0.494 4.591
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160. 182 PR GY -0.1 -0.683 4.591
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179. 131 PR GY -0.1 -0.589 4.206
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187. 133 PR GY -0.1 -0.417 4.206
188. 133 PR GY -0.1 -0.511 4.206
189. 133 PR GY -0.1 -0.606 4.206
190. 133 PR GY -0.1 -0.7 4.206
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207. 152 PR GY -0.1 0.15 -3.939
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213. 152 PR GY -0.1 -0.417 -3.939
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215. 152 PR GY -0.1 -0.606 -3.939
216. 152 PR GY -0.1 -0.7 -3.939
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224. 100 PR GY -0.1 -0.494 -4.324
225. 100 PR GY -0.1 -0.589 -4.324
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230. 102 PR GY -0.1 -0.133 -4.324
231. 102 PR GY -0.1 -0.228 -4.324
232. 102 PR GY -0.1 -0.322 -4.324
233. 102 PR GY -0.1 -0.417 -4.324
234. 102 PR GY -0.1 -0.511 -4.324
235. 102 PR GY -0.1 -0.606 -4.324
236. 102 PR GY -0.1 -0.7 -4.324
237. 99 PR GY -89.5868 0.25 -4.324 0.75 0.246
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239. 102 PR GY -89.5868 -0.7 -4.324 0.15 0.246
240. 99 PR GY -0.1 0.722 2.531
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259. 102 PR GY -0.1 -0.7 2.531
260. 53 PR GY -0.1 -0.325 -6.475
261. 53 PR GY -0.1 -0.419 -6.475
262. 53 PR GY -0.1 -0.514 -6.475

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263. 53 PR GY -0.1 -0.608 -6.475
264. 53 PR GY -0.1 -0.703 -6.475
265. 53 PR GY -89.5868 -0.75 -7.5 -0.325 -4.19
266. 53 PR GY -0.1 -0.325 -6.475
267. 53 PR GY -0.1 -0.419 -6.475
268. 53 PR GY -0.1 -0.514 -6.475
269. 53 PR GY -0.1 -0.608 -6.475
270. 53 PR GY -0.1 -0.703 -6.475
271. LOAD 3 IRC: SLS CLASS 70R LOADING N61: DISP Y +VE
272. ELEMENT LOAD
273. 87 PR GY -159.936 0.455 -1.034 0.75 -0.624
274. 89 PR GY -159.936 -0.75 -1.034 -0.435 -0.624
275. 90 PR GY -159.936 -0.485 -1.034 0.125 -0.624
276. 87 PR GY -239.904 0.455 2.926 0.75 3.336
277. 89 PR GY -239.904 -0.75 2.926 -0.435 3.336
278. 90 PR GY -239.904 -0.485 2.926 0.125 3.336
279. 87 PR GY -239.904 0.455 4.446 0.75 4.856
280. 89 PR GY -239.904 -0.75 4.446 -0.435 4.856
281. 90 PR GY -239.904 -0.485 4.446 0.125 4.856
282. 87 PR GY -339.864 0.455 6.576 0.75 6.986
283. 89 PR GY -339.864 -0.75 6.576 -0.435 6.986
284. 90 PR GY -339.864 -0.485 6.576 0.125 6.986
285. 99 PR GY -339.864 0.455 -7.054 0.75 -6.644
286. 100 PR GY -339.864 -0.75 -7.054 -0.435 -6.644
287. 102 PR GY -339.864 -0.485 -7.054 0.125 -6.644
288. 99 PR GY -339.864 0.455 -4.004 0.75 -3.594
289. 100 PR GY -339.864 -0.75 -4.004 -0.435 -3.594
290. 102 PR GY -339.864 -0.485 -4.004 0.125 -3.594
291. 99 PR GY -339.864 0.455 -2.634 0.75 -2.224
292. 100 PR GY -339.864 -0.75 -2.634 -0.435 -2.224
293. 102 PR GY -339.864 -0.485 -2.634 0.125 -2.224
294. 73 PR GY -159.936 -0.21 -1.535 0.4 -1.125
295. 75 PR GY -159.936 0.35 -1.535 0.75 -1.125
296. 77 PR GY -159.936 -0.75 -1.535 -0.54 -1.125
297. 73 PR GY -239.904 -0.21 2.425 0.4 2.835
298. 75 PR GY -239.904 0.35 2.425 0.75 2.835
299. 77 PR GY -239.904 -0.75 2.425 -0.54 2.835
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301. 75 PR GY -239.904 0.35 3.945 0.75 4.355
302. 77 PR GY -239.904 -0.75 3.945 -0.54 4.355
303. 73 PR GY -339.864 -0.21 6.075 0.4 6.485
304. 75 PR GY -339.864 0.35 6.075 0.75 6.485
305. 77 PR GY -339.864 -0.75 6.075 -0.54 6.485
306. 73 PR GY -339.864 -0.21 7.445 0.4 7.5
307. 92 PR GY -339.864 -0.21 -7.5 0.4 -7.145
308. 75 PR GY -339.864 0.35 7.445 0.75 7.5
309. 77 PR GY -339.864 -0.75 7.445 -0.54 7.5
310. 93 PR GY -339.864 0.35 -7.5 0.75 -7.145
311. 94 PR GY -339.864 -0.75 -7.5 -0.54 -7.145
312. 92 PR GY -339.864 -0.21 -4.505 0.4 -4.095
313. 93 PR GY -339.864 0.35 -4.505 0.75 -4.095
314. 94 PR GY -339.864 -0.75 -4.505 -0.54 -4.095
315. 92 PR GY -339.864 -0.21 -3.135 0.4 -2.725
316. 93 PR GY -339.864 0.35 -3.135 0.75 -2.725
317. 94 PR GY -339.864 -0.75 -3.135 -0.54 -2.725
318. LOAD 4 IRC: SLS CLASS 70R LOADING N3: DISP Z +VE

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319. ELEMENT LOAD

320. 67 PR GY -159.936 0.455 -1.064 0.75 -0.654
321. 69 PR GY -159.936 -0.75 -1.064 -0.435 -0.654
322. 71 PR GY -159.936 -0.485 -1.064 0.125 -0.654
323. 67 PR GY -239.904 0.455 2.896 0.75 3.306
324. 69 PR GY -239.904 -0.75 2.896 -0.435 3.306
325. 71 PR GY -239.904 -0.485 2.896 0.125 3.306
326. 67 PR GY -239.904 0.455 4.416 0.75 4.826
327. 69 PR GY -239.904 -0.75 4.416 -0.435 4.826
328. 71 PR GY -239.904 -0.485 4.416 0.125 4.826
329. 67 PR GY -339.864 0.455 6.546 0.75 6.956
330. 69 PR GY -339.864 -0.75 6.546 -0.435 6.956
331. 71 PR GY -339.864 -0.485 6.546 0.125 6.956
332. 87 PR GY -339.864 0.455 -7.084 0.75 -6.674
333. 89 PR GY -339.864 -0.75 -7.084 -0.435 -6.674
334. 90 PR GY -339.864 -0.485 -7.084 0.125 -6.674
335. 87 PR GY -339.864 0.455 -4.034 0.75 -3.624
336. 89 PR GY -339.864 -0.75 -4.034 -0.435 -3.624
337. 90 PR GY -339.864 -0.485 -4.034 0.125 -3.624
338. 87 PR GY -339.864 0.455 -2.664 0.75 -2.254
339. 89 PR GY -339.864 -0.75 -2.664 -0.435 -2.254
340. 90 PR GY -339.864 -0.485 -2.664 0.125 -2.254
341. 170 PR GY -159.936 0.225 -3.356 0.75 -2.946
342. 172 PR GY -159.936 -0.75 -3.356 -0.665 -2.946
343. 174 PR GY -159.936 -0.715 -3.356 -0.105 -2.946
344. 170 PR GY -239.904 0.225 0.604 0.75 1.014
345. 172 PR GY -239.904 -0.75 0.604 -0.665 1.014
346. 174 PR GY -239.904 -0.715 0.604 -0.105 1.014
347. 170 PR GY -239.904 0.225 2.124 0.75 2.534
348. 172 PR GY -239.904 -0.75 2.124 -0.665 2.534
349. 174 PR GY -239.904 -0.715 2.124 -0.105 2.534
350. 170 PR GY -339.864 0.225 4.254 0.75 4.664
351. 172 PR GY -339.864 -0.75 4.254 -0.665 4.664
352. 174 PR GY -339.864 -0.715 4.254 -0.105 4.664
353. 170 PR GY -339.864 0.225 5.624 0.75 6.034
354. 172 PR GY -339.864 -0.75 5.624 -0.665 6.034
355. 174 PR GY -339.864 -0.715 5.624 -0.105 6.034
356. 187 PR GY -339.864 0.225 -6.326 0.75 -5.916
357. 188 PR GY -339.864 -0.75 -6.326 -0.665 -5.916
358. 189 PR GY -339.864 -0.715 -6.326 -0.105 -5.916
359. 187 PR GY -339.864 0.225 -4.956 0.75 -4.546
360. 188 PR GY -339.864 -0.75 -4.956 -0.665 -4.546
361. 189 PR GY -339.864 -0.715 -4.956 -0.105 -4.546
362. 59 PR GY -159.936 -0.645 -2.066 -0.035 -1.656
363. 61 PR GY -159.936 -0.085 -2.066 0.525 -1.656
364. 59 PR GY -239.904 -0.645 1.894 -0.035 2.304
365. 61 PR GY -239.904 -0.085 1.894 0.525 2.304
366. 59 PR GY -239.904 -0.645 3.414 -0.035 3.824
367. 61 PR GY -239.904 -0.085 3.414 0.525 3.824
368. 59 PR GY -339.864 -0.645 5.544 -0.035 5.954
369. 61 PR GY -339.864 -0.085 5.544 0.525 5.954
370. 59 PR GY -339.864 -0.645 6.914 -0.035 7.324
371. 61 PR GY -339.864 -0.085 6.914 0.525 7.324
372. 79 PR GY -339.864 -0.645 -5.036 -0.035 -4.626
373. 81 PR GY -339.864 -0.085 -5.036 0.525 -4.626
374. 79 PR GY -339.864 -0.645 -3.666 -0.035 -3.256

375. 81 PR GY -339.864 -0.085 -3.666 0.525 -3.256
376. LOAD 5 IRC: SLS CLASS 70R LOADING P53: STRESS MAX ABSOLUTE +VE
377. ELEMENT LOAD
378. 190 PR GY -159.936 0.105 -0.821 0.715 -0.411
379. 191 PR GY -159.936 0.665 -0.821 0.75 -0.411
380. 192 PR GY -159.936 -0.75 -0.821 -0.225 -0.411
381. 190 PR GY -239.904 0.105 3.139 0.715 3.549
382. 191 PR GY -239.904 0.665 3.139 0.75 3.549
383. 192 PR GY -239.904 -0.75 3.139 -0.225 3.549
384. 190 PR GY -239.904 0.105 4.659 0.715 5.069
385. 191 PR GY -239.904 0.665 4.659 0.75 5.069
386. 192 PR GY -239.904 -0.75 4.659 -0.225 5.069
387. 190 PR GY -339.864 0.105 6.789 0.715 7.199
388. 191 PR GY -339.864 0.665 6.789 0.75 7.199
389. 192 PR GY -339.864 -0.75 6.789 -0.225 7.199
390. 207 PR GY -339.864 0.105 -6.841 0.715 -6.431
391. 209 PR GY -339.864 0.665 -6.841 0.75 -6.431
392. 211 PR GY -339.864 -0.75 -6.841 -0.225 -6.431
393. 207 PR GY -339.864 0.105 -3.791 0.715 -3.381
394. 209 PR GY -339.864 0.665 -3.791 0.75 -3.381
395. 211 PR GY -339.864 -0.75 -3.791 -0.225 -3.381
396. 207 PR GY -339.864 0.105 -2.421 0.715 -2.011
397. 209 PR GY -339.864 0.665 -2.421 0.75 -2.011
398. 211 PR GY -339.864 -0.75 -2.421 -0.225 -2.011
399. 63 PR GY -159.936 -0.525 -1.064 0.085 -0.654
400. 65 PR GY -159.936 0.035 -1.064 0.645 -0.654
401. 63 PR GY -239.904 -0.525 2.896 0.085 3.306
402. 65 PR GY -239.904 0.035 2.896 0.645 3.306
403. 63 PR GY -239.904 -0.525 4.416 0.085 4.826
404. 65 PR GY -239.904 0.035 4.416 0.645 4.826
405. 63 PR GY -339.864 -0.525 6.546 0.085 6.956
406. 65 PR GY -339.864 0.035 6.546 0.645 6.956
407. 83 PR GY -339.864 -0.525 -7.084 0.085 -6.674
408. 85 PR GY -339.864 0.035 -7.084 0.645 -6.674
409. 83 PR GY -339.864 -0.525 -4.034 0.085 -3.624
410. 85 PR GY -339.864 0.035 -4.034 0.645 -3.624
411. 83 PR GY -339.864 -0.525 -2.664 0.085 -2.254
412. 85 PR GY -339.864 0.035 -2.664 0.645 -2.254
413. 185 PR GY -159.936 -0.21 -0.821 0.4 -0.411
414. 186 PR GY -159.936 0.35 -0.821 0.75 -0.411
415. 187 PR GY -159.936 -0.75 -0.821 -0.54 -0.411
416. 185 PR GY -239.904 -0.21 3.139 0.4 3.549
417. 186 PR GY -239.904 0.35 3.139 0.75 3.549
418. 187 PR GY -239.904 -0.75 3.139 -0.54 3.549
419. 185 PR GY -239.904 -0.21 4.659 0.4 5.069
420. 186 PR GY -239.904 0.35 4.659 0.75 5.069
421. 187 PR GY -239.904 -0.75 4.659 -0.54 5.069
422. 185 PR GY -339.864 -0.21 6.789 0.4 7.199
423. 186 PR GY -339.864 0.35 6.789 0.75 7.199
424. 187 PR GY -339.864 -0.75 6.789 -0.54 7.199
425. 197 PR GY -339.864 -0.21 -6.841 0.4 -6.431
426. 199 PR GY -339.864 0.35 -6.841 0.75 -6.431
427. 201 PR GY -339.864 -0.75 -6.841 -0.54 -6.431
428. 197 PR GY -339.864 -0.21 -3.791 0.4 -3.381
429. 199 PR GY -339.864 0.35 -3.791 0.75 -3.381
430. 201 PR GY -339.864 -0.75 -3.791 -0.54 -3.381

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431. 197 PR GY -339.864 -0.21 -2.421 0.4 -2.011
432. 199 PR GY -339.864 0.35 -2.421 0.75 -2.011
433. 201 PR GY -339.864 -0.75 -2.421 -0.54 -2.011
434. 53 PR GY -159.936 -0.21 -1.565 0.4 -1.155
435. 55 PR GY -159.936 0.35 -1.565 0.75 -1.155
436. 57 PR GY -159.936 -0.75 -1.565 -0.54 -1.155
437. 53 PR GY -239.904 -0.21 2.395 0.4 2.805
438. 55 PR GY -239.904 0.35 2.395 0.75 2.805
439. 57 PR GY -239.904 -0.75 2.395 -0.54 2.805
440. 53 PR GY -239.904 -0.21 3.915 0.4 4.325
441. 55 PR GY -239.904 0.35 3.915 0.75 4.325
442. 57 PR GY -239.904 -0.75 3.915 -0.54 4.325
443. 53 PR GY -339.864 -0.21 6.045 0.4 6.455
444. 55 PR GY -339.864 0.35 6.045 0.75 6.455
445. 57 PR GY -339.864 -0.75 6.045 -0.54 6.455
446. 53 PR GY -339.864 -0.21 7.415 0.4 7.5
447. 73 PR GY -339.864 -0.21 -7.5 0.4 -7.175
448. 55 PR GY -339.864 0.35 7.415 0.75 7.5
449. 57 PR GY -339.864 -0.75 7.415 -0.54 7.5
450. 75 PR GY -339.864 0.35 -7.5 0.75 -7.175
451. 77 PR GY -339.864 -0.75 -7.5 -0.54 -7.175
452. 73 PR GY -339.864 -0.21 -4.535 0.4 -4.125
453. 75 PR GY -339.864 0.35 -4.535 0.75 -4.125
454. 77 PR GY -339.864 -0.75 -4.535 -0.54 -4.125
455. 73 PR GY -339.864 -0.21 -3.165 0.4 -2.755
456. 75 PR GY -339.864 0.35 -3.165 0.75 -2.755
457. 77 PR GY -339.864 -0.75 -3.165 -0.54 -2.755
458. LOAD 6 IRC: SLS CLASS 70R LOADING P85: STRESS MAX ABSOLUTE +VE
459. ELEMENT LOAD
460. 211 PR GY -159.936 0.455 0.585 0.75 0.995
461. 213 PR GY -159.936 -0.75 0.585 -0.435 0.995
462. 214 PR GY -159.936 -0.486 0.585 0.124 0.995
463. 211 PR GY -239.904 0.455 -3.375 0.75 -2.965
464. 213 PR GY -239.904 -0.75 -3.375 -0.435 -2.965
465. 214 PR GY -239.904 -0.486 -3.375 0.124 -2.965
466. 211 PR GY -239.904 0.455 -4.895 0.75 -4.485
467. 213 PR GY -239.904 -0.75 -4.895 -0.435 -4.485
468. 214 PR GY -239.904 -0.486 -4.895 0.124 -4.485
469. 211 PR GY -339.864 0.455 -7.025 0.75 -6.615
470. 213 PR GY -339.864 -0.75 -7.025 -0.435 -6.615
471. 214 PR GY -339.864 -0.486 -7.025 0.124 -6.615
472. 192 PR GY -339.864 0.455 6.605 0.75 7.015
473. 193 PR GY -339.864 -0.75 6.605 -0.435 7.015
474. 195 PR GY -339.864 -0.486 6.605 0.124 7.015
475. 192 PR GY -339.864 0.455 3.555 0.75 3.965
476. 193 PR GY -339.864 -0.75 3.555 -0.435 3.965
477. 195 PR GY -339.864 -0.486 3.555 0.124 3.965
478. 192 PR GY -339.864 0.454 2.185 0.75 2.595
479. 193 PR GY -339.864 -0.75 2.185 -0.436 2.595
480. 195 PR GY -339.864 -0.486 2.185 0.124 2.595
481. 87 PR GY -159.936 0.455 1.344 0.75 1.754
482. 89 PR GY -159.936 -0.75 1.344 -0.435 1.754
483. 90 PR GY -159.936 -0.485 1.344 0.125 1.754
484. 87 PR GY -239.904 0.455 -2.616 0.75 -2.206
485. 89 PR GY -239.904 -0.75 -2.616 -0.435 -2.206
486. 90 PR GY -239.904 -0.485 -2.616 0.125 -2.206

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487. 87 PR GY -239.904 0.455 -4.136 0.75 -3.726
488. 89 PR GY -239.904 -0.75 -4.136 -0.435 -3.726
489. 90 PR GY -239.904 -0.485 -4.136 0.125 -3.726
490. 87 PR GY -339.864 0.455 -6.266 0.75 -5.856
491. 89 PR GY -339.864 -0.75 -6.266 -0.435 -5.856
492. 90 PR GY -339.864 -0.485 -6.266 0.125 -5.856
493. 67 PR GY -339.864 0.455 7.364 0.75 7.5
494. 69 PR GY -339.864 -0.75 7.364 -0.435 7.5
495. 87 PR GY -339.864 0.455 -7.5 0.75 -7.226
496. 89 PR GY -339.864 -0.75 -7.5 -0.435 -7.226
497. 71 PR GY -339.864 -0.485 7.364 0.125 7.5
498. 90 PR GY -339.864 -0.485 -7.5 0.125 -7.226
499. 67 PR GY -339.864 0.455 4.314 0.75 4.724
500. 69 PR GY -339.864 -0.75 4.314 -0.435 4.724
501. 71 PR GY -339.864 -0.485 4.314 0.125 4.724
502. 67 PR GY -339.864 0.455 2.944 0.75 3.354
503. 69 PR GY -339.864 -0.75 2.944 -0.435 3.354
504. 71 PR GY -339.864 -0.485 2.944 0.125 3.354
505. 185 PR GY -159.936 -0.21 -1.322 0.4 -0.912
506. 186 PR GY -159.936 0.35 -1.322 0.75 -0.912
507. 187 PR GY -159.936 -0.75 -1.322 -0.54 -0.912
508. 185 PR GY -239.904 -0.21 2.638 0.4 3.048
509. 186 PR GY -239.904 0.35 2.638 0.75 3.048
510. 187 PR GY -239.904 -0.75 2.638 -0.54 3.048
511. 185 PR GY -239.904 -0.21 4.158 0.4 4.568
512. 186 PR GY -239.904 0.35 4.158 0.75 4.568
513. 187 PR GY -239.904 -0.75 4.158 -0.54 4.568
514. 185 PR GY -339.864 -0.21 6.288 0.4 6.698
515. 186 PR GY -339.864 0.35 6.288 0.75 6.698
516. 187 PR GY -339.864 -0.75 6.288 -0.54 6.698
517. 197 PR GY -339.864 -0.21 -7.342 0.4 -6.932
518. 199 PR GY -339.864 0.35 -7.342 0.75 -6.932
519. 201 PR GY -339.864 -0.75 -7.342 -0.54 -6.932
520. 197 PR GY -339.864 -0.21 -4.292 0.4 -3.882
521. 199 PR GY -339.864 0.35 -4.292 0.75 -3.882
522. 201 PR GY -339.864 -0.75 -4.292 -0.54 -3.882
523. 197 PR GY -339.864 -0.21 -2.922 0.4 -2.512
524. 199 PR GY -339.864 0.35 -2.922 0.75 -2.512
525. 201 PR GY -339.864 -0.75 -2.922 -0.54 -2.512
526. 53 PR GY -159.936 -0.21 -1.064 0.4 -0.654
527. 55 PR GY -159.936 0.35 -1.064 0.75 -0.654
528. 57 PR GY -159.936 -0.75 -1.064 -0.54 -0.654
529. 53 PR GY -239.904 -0.21 2.896 0.4 3.306
530. 55 PR GY -239.904 0.35 2.896 0.75 3.306
531. 57 PR GY -239.904 -0.75 2.896 -0.54 3.306
532. 53 PR GY -239.904 -0.21 4.416 0.4 4.826
533. 55 PR GY -239.904 0.35 4.416 0.75 4.826
534. 57 PR GY -239.904 -0.75 4.416 -0.54 4.826
535. 53 PR GY -339.864 -0.21 6.546 0.4 6.956
536. 55 PR GY -339.864 0.35 6.546 0.75 6.956
537. 57 PR GY -339.864 -0.75 6.546 -0.54 6.956
538. 73 PR GY -339.864 -0.21 -7.084 0.4 -6.674
539. 75 PR GY -339.864 0.35 -7.084 0.75 -6.674
540. 77 PR GY -339.864 -0.75 -7.084 -0.54 -6.674
541. 73 PR GY -339.864 -0.21 -4.034 0.4 -3.624
542. 75 PR GY -339.864 0.35 -4.034 0.75 -3.624

543. 77 PR GY -339.864 -0.75 -4.034 -0.54 -3.624
544. 73 PR GY -339.864 -0.21 -2.664 0.4 -2.254
545. 75 PR GY -339.864 0.35 -2.664 0.75 -2.254
546. 77 PR GY -339.864 -0.75 -2.664 -0.54 -2.254
547. LOAD 7 IRC: SLS CLASS 70R LOADING B41: FORCE END A: FX +VE
548. ELEMENT LOAD
549. 190 PR GY -159.936 0.105 7.195 0.715 7.5
550. 207 PR GY -159.936 0.105 -7.5 0.715 -7.395
551. 191 PR GY -159.936 0.665 7.195 0.75 7.5
552. 192 PR GY -159.936 -0.75 7.195 -0.226 7.5
553. 209 PR GY -159.936 0.665 -7.5 0.75 -7.395
554. 211 PR GY -159.936 -0.75 -7.5 -0.226 -7.395
555. 207 PR GY -239.904 0.105 -3.845 0.715 -3.435
556. 209 PR GY -239.904 0.665 -3.845 0.75 -3.435
557. 211 PR GY -239.904 -0.75 -3.845 -0.226 -3.435
558. 207 PR GY -239.904 0.105 -2.325 0.715 -1.915
559. 209 PR GY -239.904 0.665 -2.325 0.75 -1.915
560. 211 PR GY -239.904 -0.75 -2.325 -0.226 -1.915
561. 207 PR GY -339.864 0.105 -0.195 0.715 0.215
562. 209 PR GY -339.864 0.665 -0.195 0.75 0.215
563. 211 PR GY -339.864 -0.75 -0.195 -0.226 0.215
564. 207 PR GY -339.864 0.105 1.175 0.715 1.585
565. 209 PR GY -339.864 0.665 1.175 0.75 1.585
566. 211 PR GY -339.864 -0.75 1.175 -0.226 1.585
567. 207 PR GY -339.864 0.105 4.225 0.715 4.635
568. 209 PR GY -339.864 0.665 4.225 0.75 4.635
569. 211 PR GY -339.864 -0.75 4.225 -0.226 4.635
570. 207 PR GY -339.864 0.105 5.595 0.715 6.005
571. 209 PR GY -339.864 0.665 5.595 0.75 6.005
572. 211 PR GY -339.864 -0.75 5.595 -0.226 6.005
573. 83 PR GY -159.936 -0.525 -3.038 0.085 -2.628
574. 85 PR GY -159.936 0.035 -3.038 0.645 -2.628
575. 83 PR GY -239.904 -0.525 0.922 0.085 1.332
576. 85 PR GY -239.904 0.035 0.922 0.645 1.332
577. 83 PR GY -239.904 -0.525 2.442 0.085 2.852
578. 85 PR GY -239.904 0.035 2.442 0.645 2.852
579. 83 PR GY -339.864 -0.525 4.572 0.085 4.982
580. 85 PR GY -339.864 0.035 4.572 0.645 4.982
581. 83 PR GY -339.864 -0.525 5.942 0.085 6.352
582. 85 PR GY -339.864 0.035 5.942 0.645 6.352
583. 97 PR GY -339.864 -0.525 -6.008 0.085 -5.598
584. 98 PR GY -339.864 0.035 -6.008 0.645 -5.598
585. 97 PR GY -339.864 -0.525 -4.638 0.085 -4.228
586. 98 PR GY -339.864 0.035 -4.638 0.645 -4.228
587. 73 PR GY -159.936 -0.21 -1.535 0.4 -1.125
588. 75 PR GY -159.936 0.35 -1.535 0.75 -1.125
589. 77 PR GY -159.936 -0.75 -1.535 -0.54 -1.125
590. 73 PR GY -239.904 -0.21 2.425 0.4 2.835
591. 75 PR GY -239.904 0.35 2.425 0.75 2.835
592. 77 PR GY -239.904 -0.75 2.425 -0.54 2.835
593. 73 PR GY -239.904 -0.21 3.945 0.4 4.355
594. 75 PR GY -239.904 0.35 3.945 0.75 4.355
595. 77 PR GY -239.904 -0.75 3.945 -0.54 4.355
596. 73 PR GY -339.864 -0.21 6.075 0.4 6.485
597. 75 PR GY -339.864 0.35 6.075 0.75 6.485
598. 77 PR GY -339.864 -0.75 6.075 -0.54 6.485

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599. 73 PR GY -339.864 -0.21 7.445 0.4 7.5
600. 92 PR GY -339.864 -0.21 -7.5 0.4 -7.145
601. 75 PR GY -339.864 0.35 7.445 0.75 7.5
602. 77 PR GY -339.864 -0.75 7.445 -0.54 7.5
603. 93 PR GY -339.864 0.35 -7.5 0.75 -7.145
604. 94 PR GY -339.864 -0.75 -7.5 -0.54 -7.145
605. 92 PR GY -339.864 -0.21 -4.505 0.4 -4.095
606. 93 PR GY -339.864 0.35 -4.505 0.75 -4.095
607. 94 PR GY -339.864 -0.75 -4.505 -0.54 -4.095
608. 92 PR GY -339.864 -0.21 -3.135 0.4 -2.725
609. 93 PR GY -339.864 0.35 -3.135 0.75 -2.725
610. 94 PR GY -339.864 -0.75 -3.135 -0.54 -2.725
611. LOAD 8 IRC: SLS CLASS 70R LOADING B41: FORCE END B: FX +VE
612. ELEMENT LOAD
613. 190 PR GY -159.936 0.105 7.195 0.715 7.5
614. 207 PR GY -159.936 0.105 -7.5 0.715 -7.395
615. 191 PR GY -159.936 0.665 7.195 0.75 7.5
616. 192 PR GY -159.936 -0.75 7.195 -0.226 7.5
617. 209 PR GY -159.936 0.665 -7.5 0.75 -7.395
618. 211 PR GY -159.936 -0.75 -7.5 -0.226 -7.395
619. 207 PR GY -239.904 0.105 -3.845 0.715 -3.435
620. 209 PR GY -239.904 0.665 -3.845 0.75 -3.435
621. 211 PR GY -239.904 -0.75 -3.845 -0.226 -3.435
622. 207 PR GY -239.904 0.105 -2.325 0.715 -1.915
623. 209 PR GY -239.904 0.665 -2.325 0.75 -1.915
624. 211 PR GY -239.904 -0.75 -2.325 -0.226 -1.915
625. 207 PR GY -339.864 0.105 -0.195 0.715 0.215
626. 209 PR GY -339.864 0.665 -0.195 0.75 0.215
627. 211 PR GY -339.864 -0.75 -0.195 -0.226 0.215
628. 207 PR GY -339.864 0.105 1.175 0.715 1.585
629. 209 PR GY -339.864 0.665 1.175 0.75 1.585
630. 211 PR GY -339.864 -0.75 1.175 -0.226 1.585
631. 207 PR GY -339.864 0.105 4.225 0.715 4.635
632. 209 PR GY -339.864 0.665 4.225 0.75 4.635
633. 211 PR GY -339.864 -0.75 4.225 -0.226 4.635
634. 207 PR GY -339.864 0.105 5.595 0.715 6.005
635. 209 PR GY -339.864 0.665 5.595 0.75 6.005
636. 211 PR GY -339.864 -0.75 5.595 -0.226 6.005
637. 83 PR GY -159.936 -0.525 -3.038 0.085 -2.628
638. 85 PR GY -159.936 0.035 -3.038 0.645 -2.628
639. 83 PR GY -239.904 -0.525 0.922 0.085 1.332
640. 85 PR GY -239.904 0.035 0.922 0.645 1.332
641. 83 PR GY -239.904 -0.525 2.442 0.085 2.852
642. 85 PR GY -239.904 0.035 2.442 0.645 2.852
643. 83 PR GY -339.864 -0.525 4.572 0.085 4.982
644. 85 PR GY -339.864 0.035 4.572 0.645 4.982
645. 83 PR GY -339.864 -0.525 5.942 0.085 6.352
646. 85 PR GY -339.864 0.035 5.942 0.645 6.352
647. 97 PR GY -339.864 -0.525 -6.008 0.085 -5.598
648. 98 PR GY -339.864 0.035 -6.008 0.645 -5.598
649. 97 PR GY -339.864 -0.525 -4.638 0.085 -4.228
650. 98 PR GY -339.864 0.035 -4.638 0.645 -4.228
651. 73 PR GY -159.936 -0.21 -1.535 0.4 -1.125
652. 75 PR GY -159.936 0.35 -1.535 0.75 -1.125
653. 77 PR GY -159.936 -0.75 -1.535 -0.54 -1.125
654. 73 PR GY -239.904 -0.21 2.425 0.4 2.835

655. 75 PR GY -239.904 0.35 2.425 0.75 2.835
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662. 77 PR GY -339.864 -0.75 6.075 -0.54 6.485
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668. 94 PR GY -339.864 -0.75 -7.5 -0.54 -7.145
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681. 151 PR GY -239.904 -0.75 2.547 -0.435 2.957
682. 152 PR GY -239.904 -0.485 2.547 0.125 2.957
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684. 151 PR GY -239.904 -0.75 4.067 -0.435 4.477
685. 152 PR GY -239.904 -0.485 4.067 0.125 4.477
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696. 162 PR GY -339.864 -0.75 -3.013 -0.435 -2.603
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729. 152 PR GY -239.904 -0.485 4.067 0.125 4.477
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766. 211 PR GY -0.1 0.627 -6.244

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1045. 81 PR GY -0.1 -0.372 -5.487
1046. 81 PR GY -0.1 -0.467 -5.487

STAAD SPACE

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STAAD SPACE

-- PAGE NO. 21

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1402. 207 PR GY -339.864 0.104 -7.5 0.714 -7.484
1403. 191 PR GY -339.864 0.664 7.106 0.75 7.5
1404. 192 PR GY -339.864 -0.75 7.106 -0.226 7.5
1405. 209 PR GY -339.864 0.664 -7.5 0.75 -7.484
1406. 211 PR GY -339.864 -0.75 -7.5 -0.226 -7.484
1407. 190 PR GY -339.864 0.104 4.056 0.714 4.466
1408. 191 PR GY -339.864 0.664 4.056 0.75 4.466
1409. 192 PR GY -339.864 -0.75 4.056 -0.226 4.466
1410. 190 PR GY -339.864 0.104 2.686 0.714 3.096
1411. 191 PR GY -339.864 0.664 2.686 0.75 3.096
1412. 192 PR GY -339.864 -0.75 2.686 -0.226 3.096
1413. 83 PR GY -159.936 -0.525 2.346 0.085 2.756
1414. 85 PR GY -159.936 0.035 2.346 0.645 2.756
1415. 83 PR GY -239.904 -0.525 -1.614 0.085 -1.204
1416. 85 PR GY -239.904 0.035 -1.614 0.645 -1.204
1417. 83 PR GY -239.904 -0.525 -3.134 0.085 -2.724
1418. 85 PR GY -239.904 0.035 -3.134 0.645 -2.724
1419. 83 PR GY -339.864 -0.525 -5.264 0.085 -4.854
1420. 85 PR GY -339.864 0.035 -5.264 0.645 -4.854
1421. 83 PR GY -339.864 -0.525 -6.634 0.085 -6.224
1422. 85 PR GY -339.864 0.035 -6.634 0.645 -6.224
1423. 63 PR GY -339.864 -0.525 5.316 0.085 5.726
1424. 65 PR GY -339.864 0.035 5.316 0.645 5.726
1425. 63 PR GY -339.864 -0.525 3.946 0.085 4.356
1426. 65 PR GY -339.864 0.035 3.946 0.645 4.356
1427. 73 PR GY -159.936 -0.21 -1.535 0.4 -1.125
1428. 75 PR GY -159.936 0.35 -1.535 0.75 -1.125
1429. 77 PR GY -159.936 -0.75 -1.535 -0.54 -1.125
1430. 73 PR GY -239.904 -0.21 2.425 0.4 2.835
1431. 75 PR GY -239.904 0.35 2.425 0.75 2.835
1432. 77 PR GY -239.904 -0.75 2.425 -0.54 2.835
1433. 73 PR GY -239.904 -0.21 3.945 0.4 4.355
1434. 75 PR GY -239.904 0.35 3.945 0.75 4.355
1435. 77 PR GY -239.904 -0.75 3.945 -0.54 4.355
1436. 73 PR GY -339.864 -0.21 6.075 0.4 6.485
1437. 75 PR GY -339.864 0.35 6.075 0.75 6.485
1438. 77 PR GY -339.864 -0.75 6.075 -0.54 6.485

STAAD SPACE

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1439. 73 PR GY -339.864 -0.21 7.445 0.4 7.5
1440. 92 PR GY -339.864 -0.21 -7.5 0.4 -7.145
1441. 75 PR GY -339.864 0.35 7.445 0.75 7.5
1442. 77 PR GY -339.864 -0.75 7.445 -0.54 7.5
1443. 93 PR GY -339.864 0.35 -7.5 0.75 -7.145
1444. 94 PR GY -339.864 -0.75 -7.5 -0.54 -7.145
1445. 92 PR GY -339.864 -0.21 -4.505 0.4 -4.095
1446. 93 PR GY -339.864 0.35 -4.505 0.75 -4.095
1447. 94 PR GY -339.864 -0.75 -4.505 -0.54 -4.095
1448. 92 PR GY -339.864 -0.21 -3.135 0.4 -2.725
1449. 93 PR GY -339.864 0.35 -3.135 0.75 -2.725
1450. 94 PR GY -339.864 -0.75 -3.135 -0.54 -2.725
1451. LOAD 14 IRC: SLS CLASS 70R LOADING B76: FORCE END B: FY -VE
1452. ELEMENT LOAD
1453. 207 PR GY -159.936 0.104 1.086 0.714 1.496
1454. 209 PR GY -159.936 0.664 1.086 0.75 1.496
1455. 211 PR GY -159.936 -0.75 1.086 -0.226 1.496
1456. 207 PR GY -239.904 0.104 -2.874 0.714 -2.464
1457. 209 PR GY -239.904 0.664 -2.874 0.75 -2.464
1458. 211 PR GY -239.904 -0.75 -2.874 -0.226 -2.464
1459. 207 PR GY -239.904 0.104 -4.394 0.714 -3.984
1460. 209 PR GY -239.904 0.664 -4.394 0.75 -3.984
1461. 211 PR GY -239.904 -0.75 -4.394 -0.226 -3.984
1462. 207 PR GY -339.864 0.104 -6.524 0.714 -6.114
1463. 209 PR GY -339.864 0.664 -6.524 0.75 -6.114
1464. 211 PR GY -339.864 -0.75 -6.524 -0.226 -6.114
1465. 190 PR GY -339.864 0.104 7.106 0.714 7.5
1466. 207 PR GY -339.864 0.104 -7.5 0.714 -7.484
1467. 191 PR GY -339.864 0.664 7.106 0.75 7.5
1468. 192 PR GY -339.864 -0.75 7.106 -0.226 7.5
1469. 209 PR GY -339.864 0.664 -7.5 0.75 -7.484
1470. 211 PR GY -339.864 -0.75 -7.5 -0.226 -7.484
1471. 190 PR GY -339.864 0.104 4.056 0.714 4.466
1472. 191 PR GY -339.864 0.664 4.056 0.75 4.466
1473. 192 PR GY -339.864 -0.75 4.056 -0.226 4.466
1474. 190 PR GY -339.864 0.104 2.686 0.714 3.096
1475. 191 PR GY -339.864 0.664 2.686 0.75 3.096
1476. 192 PR GY -339.864 -0.75 2.686 -0.226 3.096
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1478. 85 PR GY -159.936 0.035 2.346 0.645 2.756
1479. 83 PR GY -239.904 -0.525 -1.614 0.085 -1.204
1480. 85 PR GY -239.904 0.035 -1.614 0.645 -1.204
1481. 83 PR GY -239.904 -0.525 -3.134 0.085 -2.724
1482. 85 PR GY -239.904 0.035 -3.134 0.645 -2.724
1483. 83 PR GY -339.864 -0.525 -5.264 0.085 -4.854
1484. 85 PR GY -339.864 0.035 -5.264 0.645 -4.854
1485. 83 PR GY -339.864 -0.525 -6.634 0.085 -6.224
1486. 85 PR GY -339.864 0.035 -6.634 0.645 -6.224
1487. 63 PR GY -339.864 -0.525 5.316 0.085 5.726
1488. 65 PR GY -339.864 0.035 5.316 0.645 5.726
1489. 63 PR GY -339.864 -0.525 3.946 0.085 4.356
1490. 65 PR GY -339.864 0.035 3.946 0.645 4.356
1491. 73 PR GY -159.936 -0.21 -1.535 0.4 -1.125
1492. 75 PR GY -159.936 0.35 -1.535 0.75 -1.125
1493. 77 PR GY -159.936 -0.75 -1.535 -0.54 -1.125
1494. 73 PR GY -239.904 -0.21 2.425 0.4 2.835

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1495. 75 PR GY -239.904 0.35 2.425 0.75 2.835
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1497. 73 PR GY -239.904 -0.21 3.945 0.4 4.355
1498. 75 PR GY -239.904 0.35 3.945 0.75 4.355
1499. 77 PR GY -239.904 -0.75 3.945 -0.54 4.355
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1501. 75 PR GY -339.864 0.35 6.075 0.75 6.485
1502. 77 PR GY -339.864 -0.75 6.075 -0.54 6.485
1503. 73 PR GY -339.864 -0.21 7.445 0.4 7.5
1504. 92 PR GY -339.864 -0.21 -7.5 0.4 -7.145
1505. 75 PR GY -339.864 0.35 7.445 0.75 7.5
1506. 77 PR GY -339.864 -0.75 7.445 -0.54 7.5
1507. 93 PR GY -339.864 0.35 -7.5 0.75 -7.145
1508. 94 PR GY -339.864 -0.75 -7.5 -0.54 -7.145
1509. 92 PR GY -339.864 -0.21 -4.505 0.4 -4.095
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1511. 94 PR GY -339.864 -0.75 -4.505 -0.54 -4.095
1512. 92 PR GY -339.864 -0.21 -3.135 0.4 -2.725
1513. 93 PR GY -339.864 0.35 -3.135 0.75 -2.725
1514. 94 PR GY -339.864 -0.75 -3.135 -0.54 -2.725
1515. LOAD 15 IRC: SLS CLASS 70R LOADING B50: FORCE END A: FZ +VE
1516. ELEMENT LOAD
1517. 192 PR GY -159.936 0.455 -1.322 0.75 -0.912
1518. 193 PR GY -159.936 -0.75 -1.322 -0.435 -0.912
1519. 195 PR GY -159.936 -0.486 -1.322 0.124 -0.912
1520. 192 PR GY -239.904 0.455 2.638 0.75 3.048
1521. 193 PR GY -239.904 -0.75 2.638 -0.435 3.048
1522. 195 PR GY -239.904 -0.486 2.638 0.124 3.048
1523. 192 PR GY -239.904 0.455 4.158 0.75 4.568
1524. 193 PR GY -239.904 -0.75 4.158 -0.435 4.568
1525. 195 PR GY -239.904 -0.485 4.158 0.125 4.568
1526. 192 PR GY -339.864 0.455 6.288 0.75 6.698
1527. 193 PR GY -339.864 -0.75 6.288 -0.435 6.698
1528. 195 PR GY -339.864 -0.485 6.288 0.125 6.698
1529. 211 PR GY -339.864 0.455 -7.342 0.75 -6.932
1530. 213 PR GY -339.864 -0.75 -7.342 -0.435 -6.932
1531. 214 PR GY -339.864 -0.485 -7.342 0.125 -6.932
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1533. 213 PR GY -339.864 -0.75 -4.292 -0.435 -3.882
1534. 214 PR GY -339.864 -0.485 -4.292 0.125 -3.882
1535. 211 PR GY -339.864 0.455 -2.922 0.75 -2.512
1536. 213 PR GY -339.864 -0.75 -2.922 -0.435 -2.512
1537. 214 PR GY -339.864 -0.485 -2.922 0.125 -2.512
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1539. 69 PR GY -159.936 -0.75 -1.064 -0.435 -0.654
1540. 71 PR GY -159.936 -0.485 -1.064 0.125 -0.654
1541. 67 PR GY -239.904 0.455 2.896 0.75 3.306
1542. 69 PR GY -239.904 -0.75 2.896 -0.435 3.306
1543. 71 PR GY -239.904 -0.485 2.896 0.125 3.306
1544. 67 PR GY -239.904 0.455 4.416 0.75 4.826
1545. 69 PR GY -239.904 -0.75 4.416 -0.435 4.826
1546. 71 PR GY -239.904 -0.485 4.416 0.125 4.826
1547. 67 PR GY -339.864 0.455 6.546 0.75 6.956
1548. 69 PR GY -339.864 -0.75 6.546 -0.435 6.956
1549. 71 PR GY -339.864 -0.485 6.546 0.125 6.956
1550. 87 PR GY -339.864 0.455 -7.084 0.75 -6.674

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1551. 89 PR GY -339.864 -0.75 -7.084 -0.435 -6.674
1552. 90 PR GY -339.864 -0.485 -7.084 0.125 -6.674
1553. 87 PR GY -339.864 0.455 -4.034 0.75 -3.624
1554. 89 PR GY -339.864 -0.75 -4.034 -0.435 -3.624
1555. 90 PR GY -339.864 -0.485 -4.034 0.125 -3.624
1556. 87 PR GY -339.864 0.455 -2.664 0.75 -2.254
1557. 89 PR GY -339.864 -0.75 -2.664 -0.435 -2.254
1558. 90 PR GY -339.864 -0.485 -2.664 0.125 -2.254
1559. 188 PR GY -159.936 -0.645 -1.322 -0.035 -0.912
1560. 189 PR GY -159.936 -0.085 -1.322 0.525 -0.912
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1562. 189 PR GY -239.904 -0.085 2.638 0.525 3.048
1563. 188 PR GY -239.904 -0.645 4.158 -0.035 4.568
1564. 189 PR GY -239.904 -0.085 4.158 0.525 4.568
1565. 188 PR GY -339.864 -0.645 6.288 -0.035 6.698
1566. 189 PR GY -339.864 -0.085 6.288 0.525 6.698
1567. 203 PR GY -339.864 -0.645 -7.342 -0.035 -6.932
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1572. 205 PR GY -339.864 -0.085 -2.922 0.525 -2.512
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1576. 61 PR GY -239.904 -0.085 2.896 0.525 3.306
1577. 59 PR GY -239.904 -0.645 4.416 -0.035 4.826
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1581. 79 PR GY -339.864 -0.645 -7.084 -0.035 -6.674
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1585. 79 PR GY -339.864 -0.645 -2.664 -0.035 -2.254
1586. 81 PR GY -339.864 -0.085 -2.664 0.525 -2.254
1587. LOAD 16 IRC: SLS CLASS 70R LOADING B50: FORCE END B: FZ +VE
1588. ELEMENT LOAD
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1590. 193 PR GY -159.936 -0.75 -1.322 -0.435 -0.912
1591. 195 PR GY -159.936 -0.486 -1.322 0.124 -0.912
1592. 192 PR GY -239.904 0.455 2.638 0.75 3.048
1593. 193 PR GY -239.904 -0.75 2.638 -0.435 3.048
1594. 195 PR GY -239.904 -0.486 2.638 0.124 3.048
1595. 192 PR GY -239.904 0.455 4.158 0.75 4.568
1596. 193 PR GY -239.904 -0.75 4.158 -0.435 4.568
1597. 195 PR GY -239.904 -0.485 4.158 0.125 4.568
1598. 192 PR GY -339.864 0.455 6.288 0.75 6.698
1599. 193 PR GY -339.864 -0.75 6.288 -0.435 6.698
1600. 195 PR GY -339.864 -0.485 6.288 0.125 6.698
1601. 211 PR GY -339.864 0.455 -7.342 0.75 -6.932
1602. 213 PR GY -339.864 -0.75 -7.342 -0.435 -6.932
1603. 214 PR GY -339.864 -0.485 -7.342 0.125 -6.932
1604. 211 PR GY -339.864 0.455 -4.292 0.75 -3.882
1605. 213 PR GY -339.864 -0.75 -4.292 -0.435 -3.882
1606. 214 PR GY -339.864 -0.485 -4.292 0.125 -3.882

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1607. 211 PR GY -339.864 0.455 -2.922 0.75 -2.512
1608. 213 PR GY -339.864 -0.75 -2.922 -0.435 -2.512
1609. 214 PR GY -339.864 -0.485 -2.922 0.125 -2.512
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1611. 69 PR GY -159.936 -0.75 -1.064 -0.435 -0.654
1612. 71 PR GY -159.936 -0.485 -1.064 0.125 -0.654
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1614. 69 PR GY -239.904 -0.75 2.896 -0.435 3.306
1615. 71 PR GY -239.904 -0.485 2.896 0.125 3.306
1616. 67 PR GY -239.904 0.455 4.416 0.75 4.826
1617. 69 PR GY -239.904 -0.75 4.416 -0.435 4.826
1618. 71 PR GY -239.904 -0.485 4.416 0.125 4.826
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1620. 69 PR GY -339.864 -0.75 6.546 -0.435 6.956
1621. 71 PR GY -339.864 -0.485 6.546 0.125 6.956
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1623. 89 PR GY -339.864 -0.75 -7.084 -0.435 -6.674
1624. 90 PR GY -339.864 -0.485 -7.084 0.125 -6.674
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1626. 89 PR GY -339.864 -0.75 -4.034 -0.435 -3.624
1627. 90 PR GY -339.864 -0.485 -4.034 0.125 -3.624
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1629. 89 PR GY -339.864 -0.75 -2.664 -0.435 -2.254
1630. 90 PR GY -339.864 -0.485 -2.664 0.125 -2.254
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1632. 189 PR GY -159.936 -0.085 -1.322 0.525 -0.912
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1636. 189 PR GY -239.904 -0.085 4.158 0.525 4.568
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1662. 213 PR GY -159.936 -0.75 0.585 -0.435 0.995

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1663. 214 PR GY -159.936 -0.486 0.585 0.124 0.995
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1665. 213 PR GY -239.904 -0.75 -3.375 -0.435 -2.965
1666. 214 PR GY -239.904 -0.486 -3.375 0.124 -2.965
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1668. 213 PR GY -239.904 -0.75 -4.895 -0.435 -4.485
1669. 214 PR GY -239.904 -0.486 -4.895 0.124 -4.485
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1671. 213 PR GY -339.864 -0.75 -7.025 -0.435 -6.615
1672. 214 PR GY -339.864 -0.486 -7.025 0.124 -6.615
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1674. 193 PR GY -339.864 -0.75 6.605 -0.435 7.015
1675. 195 PR GY -339.864 -0.486 6.605 0.124 7.015
1676. 192 PR GY -339.864 0.455 3.555 0.75 3.965
1677. 193 PR GY -339.864 -0.75 3.555 -0.435 3.965
1678. 195 PR GY -339.864 -0.486 3.555 0.124 3.965
1679. 192 PR GY -339.864 0.454 2.185 0.75 2.595
1680. 193 PR GY -339.864 -0.75 2.185 -0.436 2.595
1681. 195 PR GY -339.864 -0.486 2.185 0.124 2.595
1682. 87 PR GY -159.936 0.455 0.843 0.75 1.253
1683. 89 PR GY -159.936 -0.75 0.843 -0.435 1.253
1684. 90 PR GY -159.936 -0.485 0.843 0.125 1.253
1685. 87 PR GY -239.904 0.455 -3.117 0.75 -2.707
1686. 89 PR GY -239.904 -0.75 -3.117 -0.435 -2.707
1687. 90 PR GY -239.904 -0.485 -3.117 0.125 -2.707
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1692. 89 PR GY -339.864 -0.75 -6.767 -0.435 -6.357
1693. 90 PR GY -339.864 -0.485 -6.767 0.125 -6.357
1694. 67 PR GY -339.864 0.455 6.863 0.75 7.273
1695. 69 PR GY -339.864 -0.75 6.863 -0.435 7.273
1696. 71 PR GY -339.864 -0.485 6.863 0.125 7.273
1697. 67 PR GY -339.864 0.455 3.813 0.75 4.223
1698. 69 PR GY -339.864 -0.75 3.813 -0.435 4.223
1699. 71 PR GY -339.864 -0.485 3.813 0.125 4.223
1700. 67 PR GY -339.864 0.455 2.443 0.75 2.853
1701. 69 PR GY -339.864 -0.75 2.443 -0.435 2.853
1702. 71 PR GY -339.864 -0.485 2.443 0.125 2.853
1703. 203 PR GY -159.936 -0.646 0.585 -0.036 0.995
1704. 205 PR GY -159.936 -0.086 0.585 0.524 0.995
1705. 203 PR GY -239.904 -0.646 -3.375 -0.036 -2.965
1706. 205 PR GY -239.904 -0.086 -3.375 0.524 -2.965
1707. 203 PR GY -239.904 -0.646 -4.895 -0.036 -4.485
1708. 205 PR GY -239.904 -0.086 -4.895 0.524 -4.485
1709. 203 PR GY -339.864 -0.646 -7.025 -0.036 -6.615
1710. 205 PR GY -339.864 -0.086 -7.025 0.524 -6.615
1711. 188 PR GY -339.864 -0.646 6.605 -0.036 7.015
1712. 189 PR GY -339.864 -0.086 6.605 0.524 7.015
1713. 188 PR GY -339.864 -0.646 3.555 -0.036 3.965
1714. 189 PR GY -339.864 -0.086 3.555 0.524 3.965
1715. 188 PR GY -339.864 -0.646 2.185 -0.036 2.595
1716. 189 PR GY -339.864 -0.086 2.185 0.524 2.595
1717. 79 PR GY -159.936 -0.645 0.843 -0.035 1.253
1718. 81 PR GY -159.936 -0.085 0.843 0.525 1.253

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1719. 79 PR GY -239.904 -0.645 -3.117 -0.035 -2.707
1720. 81 PR GY -239.904 -0.085 -3.117 0.525 -2.707
1721. 79 PR GY -239.904 -0.645 -4.637 -0.035 -4.227
1722. 81 PR GY -239.904 -0.085 -4.637 0.525 -4.227
1723. 79 PR GY -339.864 -0.645 -6.767 -0.035 -6.357
1724. 81 PR GY -339.864 -0.085 -6.767 0.525 -6.357
1725. 59 PR GY -339.864 -0.645 6.863 -0.035 7.273
1726. 61 PR GY -339.864 -0.085 6.863 0.525 7.273
1727. 59 PR GY -339.864 -0.645 3.813 -0.035 4.223
1728. 61 PR GY -339.864 -0.085 3.813 0.525 4.223
1729. 59 PR GY -339.864 -0.645 2.443 -0.035 2.853
1730. 61 PR GY -339.864 -0.085 2.443 0.525 2.853
1731. LOAD 18 IRC: SLS CLASS 70R LOADING B40: FORCE END B: FZ -VE
1732. ELEMENT LOAD
1733. 211 PR GY -159.936 0.455 0.585 0.75 0.995
1734. 213 PR GY -159.936 -0.75 0.585 -0.435 0.995
1735. 214 PR GY -159.936 -0.486 0.585 0.124 0.995
1736. 211 PR GY -239.904 0.455 -3.375 0.75 -2.965
1737. 213 PR GY -239.904 -0.75 -3.375 -0.435 -2.965
1738. 214 PR GY -239.904 -0.486 -3.375 0.124 -2.965
1739. 211 PR GY -239.904 0.455 -4.895 0.75 -4.485
1740. 213 PR GY -239.904 -0.75 -4.895 -0.435 -4.485
1741. 214 PR GY -239.904 -0.486 -4.895 0.124 -4.485
1742. 211 PR GY -339.864 0.455 -7.025 0.75 -6.615
1743. 213 PR GY -339.864 -0.75 -7.025 -0.435 -6.615
1744. 214 PR GY -339.864 -0.486 -7.025 0.124 -6.615
1745. 192 PR GY -339.864 0.455 6.605 0.75 7.015
1746. 193 PR GY -339.864 -0.75 6.605 -0.435 7.015
1747. 195 PR GY -339.864 -0.486 6.605 0.124 7.015
1748. 192 PR GY -339.864 0.455 3.555 0.75 3.965
1749. 193 PR GY -339.864 -0.75 3.555 -0.435 3.965
1750. 195 PR GY -339.864 -0.486 3.555 0.124 3.965
1751. 192 PR GY -339.864 0.454 2.185 0.75 2.595
1752. 193 PR GY -339.864 -0.75 2.185 -0.436 2.595
1753. 195 PR GY -339.864 -0.486 2.185 0.124 2.595
1754. 87 PR GY -159.936 0.455 0.843 0.75 1.253
1755. 89 PR GY -159.936 -0.75 0.843 -0.435 1.253
1756. 90 PR GY -159.936 -0.485 0.843 0.125 1.253
1757. 87 PR GY -239.904 0.455 -3.117 0.75 -2.707
1758. 89 PR GY -239.904 -0.75 -3.117 -0.435 -2.707
1759. 90 PR GY -239.904 -0.485 -3.117 0.125 -2.707
1760. 87 PR GY -239.904 0.455 -4.637 0.75 -4.227
1761. 89 PR GY -239.904 -0.75 -4.637 -0.435 -4.227
1762. 90 PR GY -239.904 -0.485 -4.637 0.125 -4.227
1763. 87 PR GY -339.864 0.455 -6.767 0.75 -6.357
1764. 89 PR GY -339.864 -0.75 -6.767 -0.435 -6.357
1765. 90 PR GY -339.864 -0.485 -6.767 0.125 -6.357
1766. 67 PR GY -339.864 0.455 6.863 0.75 7.273
1767. 69 PR GY -339.864 -0.75 6.863 -0.435 7.273
1768. 71 PR GY -339.864 -0.485 6.863 0.125 7.273
1769. 67 PR GY -339.864 0.455 3.813 0.75 4.223
1770. 69 PR GY -339.864 -0.75 3.813 -0.435 4.223
1771. 71 PR GY -339.864 -0.485 3.813 0.125 4.223
1772. 67 PR GY -339.864 0.455 2.443 0.75 2.853
1773. 69 PR GY -339.864 -0.75 2.443 -0.435 2.853
1774. 71 PR GY -339.864 -0.485 2.443 0.125 2.853

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1775. 203 PR GY -159.936 -0.646 0.585 -0.036 0.995
1776. 205 PR GY -159.936 -0.086 0.585 0.524 0.995
1777. 203 PR GY -239.904 -0.646 -3.375 -0.036 -2.965
1778. 205 PR GY -239.904 -0.086 -3.375 0.524 -2.965
1779. 203 PR GY -239.904 -0.646 -4.895 -0.036 -4.485
1780. 205 PR GY -239.904 -0.086 -4.895 0.524 -4.485
1781. 203 PR GY -339.864 -0.646 -7.025 -0.036 -6.615
1782. 205 PR GY -339.864 -0.086 -7.025 0.524 -6.615
1783. 188 PR GY -339.864 -0.646 6.605 -0.036 7.015
1784. 189 PR GY -339.864 -0.086 6.605 0.524 7.015
1785. 188 PR GY -339.864 -0.646 3.555 -0.036 3.965
1786. 189 PR GY -339.864 -0.086 3.555 0.524 3.965
1787. 188 PR GY -339.864 -0.646 2.185 -0.036 2.595
1788. 189 PR GY -339.864 -0.086 2.185 0.524 2.595
1789. 79 PR GY -159.936 -0.645 0.843 -0.035 1.253
1790. 81 PR GY -159.936 -0.085 0.843 0.525 1.253
1791. 79 PR GY -239.904 -0.645 -3.117 -0.035 -2.707
1792. 81 PR GY -239.904 -0.085 -3.117 0.525 -2.707
1793. 79 PR GY -239.904 -0.645 -4.637 -0.035 -4.227
1794. 81 PR GY -239.904 -0.085 -4.637 0.525 -4.227
1795. 79 PR GY -339.864 -0.645 -6.767 -0.035 -6.357
1796. 81 PR GY -339.864 -0.085 -6.767 0.525 -6.357
1797. 59 PR GY -339.864 -0.645 6.863 -0.035 7.273
1798. 61 PR GY -339.864 -0.085 6.863 0.525 7.273
1799. 59 PR GY -339.864 -0.645 3.813 -0.035 4.223
1800. 61 PR GY -339.864 -0.085 3.813 0.525 4.223
1801. 59 PR GY -339.864 -0.645 2.443 -0.035 2.853
1802. 61 PR GY -339.864 -0.085 2.443 0.525 2.853
1803. LOAD 19 IRC: SLS CLASS 70R LOADING N28: REACT FX +VE
1804. ELEMENT LOAD
1805. 211 PR GY -159.936 0.455 -6.803 0.75 -6.393
1806. 213 PR GY -159.936 -0.75 -6.803 -0.435 -6.393
1807. 214 PR GY -159.936 -0.486 -6.803 0.124 -6.393
1808. 211 PR GY -239.904 0.455 -2.843 0.75 -2.433
1809. 213 PR GY -239.904 -0.75 -2.843 -0.435 -2.433
1810. 214 PR GY -239.904 -0.486 -2.843 0.124 -2.433
1811. 211 PR GY -239.904 0.455 -1.323 0.75 -0.913
1812. 213 PR GY -239.904 -0.75 -1.323 -0.435 -0.913
1813. 214 PR GY -239.904 -0.486 -1.323 0.124 -0.913
1814. 211 PR GY -339.864 0.455 0.807 0.75 1.217
1815. 213 PR GY -339.864 -0.75 0.807 -0.435 1.217
1816. 214 PR GY -339.864 -0.486 0.807 0.124 1.217
1817. 211 PR GY -339.864 0.455 2.177 0.75 2.587
1818. 213 PR GY -339.864 -0.75 2.177 -0.435 2.587
1819. 214 PR GY -339.864 -0.486 2.177 0.124 2.587
1820. 211 PR GY -339.864 0.455 5.227 0.75 5.637
1821. 213 PR GY -339.864 -0.75 5.227 -0.435 5.637
1822. 214 PR GY -339.864 -0.486 5.227 0.124 5.637
1823. 211 PR GY -339.864 0.455 6.597 0.75 7.007
1824. 213 PR GY -339.864 -0.75 6.597 -0.435 7.007
1825. 214 PR GY -339.864 -0.486 6.597 0.124 7.007
1826. 87 PR GY -159.936 0.455 -1.034 0.75 -0.624
1827. 89 PR GY -159.936 -0.75 -1.034 -0.435 -0.624
1828. 90 PR GY -159.936 -0.485 -1.034 0.125 -0.624
1829. 87 PR GY -239.904 0.455 2.926 0.75 3.336
1830. 89 PR GY -239.904 -0.75 2.926 -0.435 3.336

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1831. 90 PR GY -239.904 -0.485 2.926 0.125 3.336
1832. 87 PR GY -239.904 0.455 4.446 0.75 4.856
1833. 89 PR GY -239.904 -0.75 4.446 -0.435 4.856
1834. 90 PR GY -239.904 -0.485 4.446 0.125 4.856
1835. 87 PR GY -339.864 0.455 6.576 0.75 6.986
1836. 89 PR GY -339.864 -0.75 6.576 -0.435 6.986
1837. 90 PR GY -339.864 -0.485 6.576 0.125 6.986
1838. 99 PR GY -339.864 0.455 -7.054 0.75 -6.644
1839. 100 PR GY -339.864 -0.75 -7.054 -0.435 -6.644
1840. 102 PR GY -339.864 -0.485 -7.054 0.125 -6.644
1841. 99 PR GY -339.864 0.455 -4.004 0.75 -3.594
1842. 100 PR GY -339.864 -0.75 -4.004 -0.435 -3.594
1843. 102 PR GY -339.864 -0.485 -4.004 0.125 -3.594
1844. 99 PR GY -339.864 0.455 -2.634 0.75 -2.224
1845. 100 PR GY -339.864 -0.75 -2.634 -0.435 -2.224
1846. 102 PR GY -339.864 -0.485 -2.634 0.125 -2.224
1847. 73 PR GY -159.936 -0.21 -1.535 0.4 -1.125
1848. 75 PR GY -159.936 0.35 -1.535 0.75 -1.125
1849. 77 PR GY -159.936 -0.75 -1.535 -0.54 -1.125
1850. 73 PR GY -239.904 -0.21 2.425 0.4 2.835
1851. 75 PR GY -239.904 0.35 2.425 0.75 2.835
1852. 77 PR GY -239.904 -0.75 2.425 -0.54 2.835
1853. 73 PR GY -239.904 -0.21 3.945 0.4 4.355
1854. 75 PR GY -239.904 0.35 3.945 0.75 4.355
1855. 77 PR GY -239.904 -0.75 3.945 -0.54 4.355
1856. 73 PR GY -339.864 -0.21 6.075 0.4 6.485
1857. 75 PR GY -339.864 0.35 6.075 0.75 6.485
1858. 77 PR GY -339.864 -0.75 6.075 -0.54 6.485
1859. 73 PR GY -339.864 -0.21 7.445 0.4 7.5
1860. 92 PR GY -339.864 -0.21 -7.5 0.4 -7.145
1861. 75 PR GY -339.864 0.35 7.445 0.75 7.5
1862. 77 PR GY -339.864 -0.75 7.445 -0.54 7.5
1863. 93 PR GY -339.864 0.35 -7.5 0.75 -7.145
1864. 94 PR GY -339.864 -0.75 -7.5 -0.54 -7.145
1865. 92 PR GY -339.864 -0.21 -4.505 0.4 -4.095
1866. 93 PR GY -339.864 0.35 -4.505 0.75 -4.095
1867. 94 PR GY -339.864 -0.75 -4.505 -0.54 -4.095
1868. 92 PR GY -339.864 -0.21 -3.135 0.4 -2.725
1869. 93 PR GY -339.864 0.35 -3.135 0.75 -2.725
1870. 94 PR GY -339.864 -0.75 -3.135 -0.54 -2.725
1871. LOAD 20 IRC: SLS CLASS 70R LOADING N27: REACT FY +VE
1872. ELEMENT LOAD
1873. 190 PR GY -159.936 0.105 7.195 0.715 7.5
1874. 207 PR GY -159.936 0.105 -7.5 0.715 -7.395
1875. 191 PR GY -159.936 0.665 7.195 0.75 7.5
1876. 192 PR GY -159.936 -0.75 7.195 -0.226 7.5
1877. 209 PR GY -159.936 0.665 -7.5 0.75 -7.395
1878. 211 PR GY -159.936 -0.75 -7.5 -0.226 -7.395
1879. 207 PR GY -239.904 0.105 -3.845 0.715 -3.435
1880. 209 PR GY -239.904 0.665 -3.845 0.75 -3.435
1881. 211 PR GY -239.904 -0.75 -3.845 -0.226 -3.435
1882. 207 PR GY -239.904 0.105 -2.325 0.715 -1.915
1883. 209 PR GY -239.904 0.665 -2.325 0.75 -1.915
1884. 211 PR GY -239.904 -0.75 -2.325 -0.226 -1.915
1885. 207 PR GY -339.864 0.105 -0.195 0.715 0.215
1886. 209 PR GY -339.864 0.665 -0.195 0.75 0.215

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1887. 211 PR GY -339.864 -0.75 -0.195 -0.226 0.215
1888. 207 PR GY -339.864 0.105 1.175 0.715 1.585
1889. 209 PR GY -339.864 0.665 1.175 0.75 1.585
1890. 211 PR GY -339.864 -0.75 1.175 -0.226 1.585
1891. 207 PR GY -339.864 0.105 4.225 0.715 4.635
1892. 209 PR GY -339.864 0.665 4.225 0.75 4.635
1893. 211 PR GY -339.864 -0.75 4.225 -0.226 4.635
1894. 207 PR GY -339.864 0.105 5.595 0.715 6.005
1895. 209 PR GY -339.864 0.665 5.595 0.75 6.005
1896. 211 PR GY -339.864 -0.75 5.595 -0.226 6.005
1897. 83 PR GY -159.936 -0.525 -3.038 0.085 -2.628
1898. 85 PR GY -159.936 0.035 -3.038 0.645 -2.628
1899. 83 PR GY -239.904 -0.525 0.922 0.085 1.332
1900. 85 PR GY -239.904 0.035 0.922 0.645 1.332
1901. 83 PR GY -239.904 -0.525 2.442 0.085 2.852
1902. 85 PR GY -239.904 0.035 2.442 0.645 2.852
1903. 83 PR GY -339.864 -0.525 4.572 0.085 4.982
1904. 85 PR GY -339.864 0.035 4.572 0.645 4.982
1905. 83 PR GY -339.864 -0.525 5.942 0.085 6.352
1906. 85 PR GY -339.864 0.035 5.942 0.645 6.352
1907. 97 PR GY -339.864 -0.525 -6.008 0.085 -5.598
1908. 98 PR GY -339.864 0.035 -6.008 0.645 -5.598
1909. 97 PR GY -339.864 -0.525 -4.638 0.085 -4.228
1910. 98 PR GY -339.864 0.035 -4.638 0.645 -4.228
1911. 73 PR GY -159.936 -0.21 -1.535 0.4 -1.125
1912. 75 PR GY -159.936 0.35 -1.535 0.75 -1.125
1913. 77 PR GY -159.936 -0.75 -1.535 -0.54 -1.125
1914. 73 PR GY -239.904 -0.21 2.425 0.4 2.835
1915. 75 PR GY -239.904 0.35 2.425 0.75 2.835
1916. 77 PR GY -239.904 -0.75 2.425 -0.54 2.835
1917. 73 PR GY -239.904 -0.21 3.945 0.4 4.355
1918. 75 PR GY -239.904 0.35 3.945 0.75 4.355
1919. 77 PR GY -239.904 -0.75 3.945 -0.54 4.355
1920. 73 PR GY -339.864 -0.21 6.075 0.4 6.485
1921. 75 PR GY -339.864 0.35 6.075 0.75 6.485
1922. 77 PR GY -339.864 -0.75 6.075 -0.54 6.485
1923. 73 PR GY -339.864 -0.21 7.445 0.4 7.5
1924. 92 PR GY -339.864 -0.21 -7.5 0.4 -7.145
1925. 75 PR GY -339.864 0.35 7.445 0.75 7.5
1926. 77 PR GY -339.864 -0.75 7.445 -0.54 7.5
1927. 93 PR GY -339.864 0.35 -7.5 0.75 -7.145
1928. 94 PR GY -339.864 -0.75 -7.5 -0.54 -7.145
1929. 92 PR GY -339.864 -0.21 -4.505 0.4 -4.095
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1931. 94 PR GY -339.864 -0.75 -4.505 -0.54 -4.095
1932. 92 PR GY -339.864 -0.21 -3.135 0.4 -2.725
1933. 93 PR GY -339.864 0.35 -3.135 0.75 -2.725
1934. 94 PR GY -339.864 -0.75 -3.135 -0.54 -2.725
1935. LOAD 21 IRC: SLS CLASS 70R LOADING N26: REACT FZ +VE
1936. ELEMENT LOAD
1937. 211 PR GY -159.936 0.455 0.585 0.75 0.995
1938. 213 PR GY -159.936 -0.75 0.585 -0.435 0.995
1939. 214 PR GY -159.936 -0.486 0.585 0.124 0.995
1940. 211 PR GY -239.904 0.455 -3.375 0.75 -2.965
1941. 213 PR GY -239.904 -0.75 -3.375 -0.435 -2.965
1942. 214 PR GY -239.904 -0.486 -3.375 0.124 -2.965

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1943. 211 PR GY -239.904 0.455 -4.895 0.75 -4.485
1944. 213 PR GY -239.904 -0.75 -4.895 -0.435 -4.485
1945. 214 PR GY -239.904 -0.486 -4.895 0.124 -4.485
1946. 211 PR GY -339.864 0.455 -7.025 0.75 -6.615
1947. 213 PR GY -339.864 -0.75 -7.025 -0.435 -6.615
1948. 214 PR GY -339.864 -0.486 -7.025 0.124 -6.615
1949. 192 PR GY -339.864 0.455 6.605 0.75 7.015
1950. 193 PR GY -339.864 -0.75 6.605 -0.435 7.015
1951. 195 PR GY -339.864 -0.486 6.605 0.124 7.015
1952. 192 PR GY -339.864 0.455 3.555 0.75 3.965
1953. 193 PR GY -339.864 -0.75 3.555 -0.435 3.965
1954. 195 PR GY -339.864 -0.486 3.555 0.124 3.965
1955. 192 PR GY -339.864 0.454 2.185 0.75 2.595
1956. 193 PR GY -339.864 -0.75 2.185 -0.436 2.595
1957. 195 PR GY -339.864 -0.486 2.185 0.124 2.595
1958. 87 PR GY -159.936 0.455 0.843 0.75 1.253
1959. 89 PR GY -159.936 -0.75 0.843 -0.435 1.253
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1965. 89 PR GY -239.904 -0.75 -4.637 -0.435 -4.227
1966. 90 PR GY -239.904 -0.485 -4.637 0.125 -4.227
1967. 87 PR GY -339.864 0.455 -6.767 0.75 -6.357
1968. 89 PR GY -339.864 -0.75 -6.767 -0.435 -6.357
1969. 90 PR GY -339.864 -0.485 -6.767 0.125 -6.357
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1971. 69 PR GY -339.864 -0.75 6.863 -0.435 7.273
1972. 71 PR GY -339.864 -0.485 6.863 0.125 7.273
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1974. 69 PR GY -339.864 -0.75 3.813 -0.435 4.223
1975. 71 PR GY -339.864 -0.485 3.813 0.125 4.223
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1977. 69 PR GY -339.864 -0.75 2.443 -0.435 2.853
1978. 71 PR GY -339.864 -0.485 2.443 0.125 2.853
1979. 203 PR GY -159.936 -0.646 0.585 -0.036 0.995
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1982. 205 PR GY -239.904 -0.086 -3.375 0.524 -2.965
1983. 203 PR GY -239.904 -0.646 -4.895 -0.036 -4.485
1984. 205 PR GY -239.904 -0.086 -4.895 0.524 -4.485
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1990. 189 PR GY -339.864 -0.086 3.555 0.524 3.965
1991. 188 PR GY -339.864 -0.646 2.185 -0.036 2.595
1992. 189 PR GY -339.864 -0.086 2.185 0.524 2.595
1993. 79 PR GY -159.936 -0.645 0.843 -0.035 1.253
1994. 81 PR GY -159.936 -0.085 0.843 0.525 1.253
1995. 79 PR GY -239.904 -0.645 -3.117 -0.035 -2.707
1996. 81 PR GY -239.904 -0.085 -3.117 0.525 -2.707
1997. 79 PR GY -239.904 -0.645 -4.637 -0.035 -4.227
1998. 81 PR GY -239.904 -0.085 -4.637 0.525 -4.227

STAAD SPACE

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1999. 79 PR GY -339.864 -0.645 -6.767 -0.035 -6.357
2000. 81 PR GY -339.864 -0.085 -6.767 0.525 -6.357
2001. 59 PR GY -339.864 -0.645 6.863 -0.035 7.273
2002. 61 PR GY -339.864 -0.085 6.863 0.525 7.273
2003. 59 PR GY -339.864 -0.645 3.813 -0.035 4.223
2004. 61 PR GY -339.864 -0.085 3.813 0.525 4.223
2005. 59 PR GY -339.864 -0.645 2.443 -0.035 2.853
2006. 61 PR GY -339.864 -0.085 2.443 0.525 2.853
2007. PERFORM ANALYSIS PRINT ALL

P R O B L E M S T A T I S T I C S

NUMBER OF JOINTS	145	NUMBER OF MEMBERS	114
NUMBER OF PLATES	100	NUMBER OF SOLIDS	0
NUMBER OF SURFACES	0	NUMBER OF SUPPORTS	12

SOLVER USED IS THE IN-CORE ADVANCED SOLVER

TOTAL PRIMARY LOAD CASES = 21, TOTAL DEGREES OF FREEDOM = 834

STAAD SPACE

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LOADING 1 LOADTYPE DEAD TITLE DEAD

SELFWEIGHT Y -1.000

ACTUAL WEIGHT OF THE STRUCTURE = 38157.234 KN

LOADING 2 IRC: SLS CLASS 70R LOADING N19: DISP X +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT	PRESSURE		
211	-0.100000	0.72	6.27
211	-0.100000	0.63	6.27
211	-0.100000	0.53	6.27
211	-0.100000	0.44	6.27
211	-0.100000	0.34	6.27
211	-0.100000	0.25	6.27
213	-0.100000	-0.40	6.27
213	-0.100000	-0.50	6.27
213	-0.100000	-0.59	6.27
213	-0.100000	-0.68	6.27
214	-0.100000	0.15	6.27
214	-0.100000	0.06	6.27
214	-0.100000	-0.04	6.27
214	-0.100000	-0.13	6.27
214	-0.100000	-0.23	6.27
214	-0.100000	-0.32	6.27
214	-0.100000	-0.42	6.27
214	-0.100000	-0.51	6.27
214	-0.100000	-0.61	6.27
214	-0.100000	-0.70	6.27
180	-0.100000	0.72	-2.26
180	-0.100000	0.63	-2.26
180	-0.100000	0.53	-2.26
180	-0.100000	0.44	-2.26
180	-0.100000	0.34	-2.26
180	-0.100000	0.25	-2.26
182	-0.100000	-0.40	-2.26
182	-0.100000	-0.49	-2.26
182	-0.100000	-0.59	-2.26
182	-0.100000	-0.68	-2.26
183	-0.100000	0.15	-2.26
183	-0.100000	0.06	-2.26
183	-0.100000	-0.04	-2.26
183	-0.100000	-0.13	-2.26
183	-0.100000	-0.23	-2.26
183	-0.100000	-0.32	-2.26
183	-0.100000	-0.42	-2.26

STAAD SPACE

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183	-0.100000	-0.51	-2.26		
183	-0.100000	-0.61	-2.26		
183	-0.100000	-0.70	-2.26		
180	-89.586800	0.25	-2.26	0.75	2.31
182	-89.586800	-0.75	-2.26	-0.40	2.31
183	-89.586800	-0.70	-2.26	0.15	2.31
180	-0.100000	0.72	4.59		
180	-0.100000	0.63	4.59		
180	-0.100000	0.53	4.59		
180	-0.100000	0.44	4.59		
180	-0.100000	0.34	4.59		
180	-0.100000	0.25	4.59		
182	-0.100000	-0.40	4.59		
182	-0.100000	-0.49	4.59		
182	-0.100000	-0.59	4.59		
182	-0.100000	-0.68	4.59		
183	-0.100000	0.15	4.59		
183	-0.100000	0.06	4.59		
183	-0.100000	-0.04	4.59		
183	-0.100000	-0.13	4.59		
183	-0.100000	-0.23	4.59		
183	-0.100000	-0.32	4.59		
183	-0.100000	-0.42	4.59		
183	-0.100000	-0.51	4.59		
183	-0.100000	-0.61	4.59		
183	-0.100000	-0.70	4.59		
130	-0.100000	0.72	4.21		
130	-0.100000	0.63	4.21		
130	-0.100000	0.53	4.21		
130	-0.100000	0.44	4.21		
130	-0.100000	0.34	4.21		
130	-0.100000	0.25	4.21		
131	-0.100000	-0.40	4.21		
131	-0.100000	-0.49	4.21		
131	-0.100000	-0.59	4.21		
131	-0.100000	-0.68	4.21		
133	-0.100000	0.15	4.21		
133	-0.100000	0.06	4.21		
133	-0.100000	-0.04	4.21		
133	-0.100000	-0.13	4.21		
133	-0.100000	-0.23	4.21		
133	-0.100000	-0.32	4.21		
133	-0.100000	-0.42	4.21		
133	-0.100000	-0.51	4.21		
133	-0.100000	-0.61	4.21		
133	-0.100000	-0.70	4.21		
130	-89.586800	0.25	4.21	0.75	7.50
131	-89.586800	-0.75	4.21	-0.40	7.50
149	-89.586800	0.25	-7.50	0.75	-6.22
151	-89.586800	-0.75	-7.50	-0.40	-6.22
133	-89.586800	-0.70	4.21	0.15	7.50
152	-89.586800	-0.70	-7.50	0.15	-6.22
149	-0.100000	0.72	-3.94		
149	-0.100000	0.63	-3.94		
149	-0.100000	0.53	-3.94		
149	-0.100000	0.44	-3.94		

STAAD SPACE

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149	-0.100000	0.34	-3.94		
149	-0.100000	0.25	-3.94		
151	-0.100000	-0.40	-3.94		
151	-0.100000	-0.49	-3.94		
151	-0.100000	-0.59	-3.94		
151	-0.100000	-0.68	-3.94		
152	-0.100000	0.15	-3.94		
152	-0.100000	0.06	-3.94		
152	-0.100000	-0.04	-3.94		
152	-0.100000	-0.13	-3.94		
152	-0.100000	-0.23	-3.94		
152	-0.100000	-0.32	-3.94		
152	-0.100000	-0.42	-3.94		
152	-0.100000	-0.51	-3.94		
152	-0.100000	-0.61	-3.94		
152	-0.100000	-0.70	-3.94		
99	-0.100000	0.72	-4.32		
99	-0.100000	0.63	-4.32		
99	-0.100000	0.53	-4.32		
99	-0.100000	0.44	-4.32		
99	-0.100000	0.34	-4.32		
99	-0.100000	0.25	-4.32		
100	-0.100000	-0.40	-4.32		
100	-0.100000	-0.49	-4.32		
100	-0.100000	-0.59	-4.32		
100	-0.100000	-0.68	-4.32		
102	-0.100000	0.15	-4.32		
102	-0.100000	0.06	-4.32		
102	-0.100000	-0.04	-4.32		
102	-0.100000	-0.13	-4.32		
102	-0.100000	-0.23	-4.32		
102	-0.100000	-0.32	-4.32		
102	-0.100000	-0.42	-4.32		
102	-0.100000	-0.51	-4.32		
102	-0.100000	-0.61	-4.32		
102	-0.100000	-0.70	-4.32		
99	-89.586800	0.25	-4.32	0.75	0.25
100	-89.586800	-0.75	-4.32	-0.40	0.25
102	-89.586800	-0.70	-4.32	0.15	0.25
99	-0.100000	0.72	2.53		
99	-0.100000	0.63	2.53		
99	-0.100000	0.53	2.53		
99	-0.100000	0.44	2.53		
99	-0.100000	0.34	2.53		
99	-0.100000	0.25	2.53		
100	-0.100000	-0.40	2.53		
100	-0.100000	-0.49	2.53		
100	-0.100000	-0.59	2.53		
100	-0.100000	-0.68	2.53		
102	-0.100000	0.15	2.53		
102	-0.100000	0.06	2.53		
102	-0.100000	-0.04	2.53		
102	-0.100000	-0.13	2.53		
102	-0.100000	-0.23	2.53		
102	-0.100000	-0.32	2.53		
102	-0.100000	-0.42	2.53		

STAAD SPACE

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102	-0.100000	-0.51	2.53		
102	-0.100000	-0.61	2.53		
102	-0.100000	-0.70	2.53		
53	-0.100000	-0.32	-6.47		
53	-0.100000	-0.42	-6.47		
53	-0.100000	-0.51	-6.47		
53	-0.100000	-0.61	-6.47		
53	-0.100000	-0.70	-6.47		
53	-89.586800	-0.75	-7.50	-0.32	-4.19
53	-0.100000	-0.32	-6.47		
53	-0.100000	-0.42	-6.47		
53	-0.100000	-0.51	-6.47		
53	-0.100000	-0.61	-6.47		
53	-0.100000	-0.70	-6.47		

LOADING 3 IRC: SLS CLASS 70R LOADING N61: DISP Y +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

87	-159.936005	0.46	-1.03	0.75	-0.62
89	-159.936005	-0.75	-1.03	-0.44	-0.62
90	-159.936005	-0.49	-1.03	0.12	-0.62
87	-239.904007	0.46	2.93	0.75	3.34
89	-239.904007	-0.75	2.93	-0.44	3.34
90	-239.904007	-0.49	2.93	0.12	3.34
87	-239.904007	0.46	4.45	0.75	4.86
89	-239.904007	-0.75	4.45	-0.44	4.86
90	-239.904007	-0.49	4.45	0.12	4.86
87	-339.864014	0.46	6.58	0.75	6.99
89	-339.864014	-0.75	6.58	-0.44	6.99
90	-339.864014	-0.49	6.58	0.12	6.99
99	-339.864014	0.46	-7.05	0.75	-6.64
100	-339.864014	-0.75	-7.05	-0.44	-6.64
102	-339.864014	-0.49	-7.05	0.12	-6.64
99	-339.864014	0.46	-4.00	0.75	-3.59
100	-339.864014	-0.75	-4.00	-0.44	-3.59
102	-339.864014	-0.49	-4.00	0.12	-3.59
99	-339.864014	0.46	-2.63	0.75	-2.22
100	-339.864014	-0.75	-2.63	-0.44	-2.22
102	-339.864014	-0.49	-2.63	0.12	-2.22
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49

STAAD SPACE

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75	-339.864014	0.35	6.07	0.75	6.49
77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 4 IRC: SLS CLASS 70R LOADING N3: DISP Z +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

67	-159.936005	0.46	-1.06	0.75	-0.65
69	-159.936005	-0.75	-1.06	-0.44	-0.65
71	-159.936005	-0.49	-1.06	0.12	-0.65
67	-239.904007	0.46	2.90	0.75	3.31
69	-239.904007	-0.75	2.90	-0.44	3.31
71	-239.904007	-0.49	2.90	0.12	3.31
67	-239.904007	0.46	4.42	0.75	4.83
69	-239.904007	-0.75	4.42	-0.44	4.83
71	-239.904007	-0.49	4.42	0.12	4.83
67	-339.864014	0.46	6.55	0.75	6.96
69	-339.864014	-0.75	6.55	-0.44	6.96
71	-339.864014	-0.49	6.55	0.12	6.96
87	-339.864014	0.46	-7.08	0.75	-6.67
89	-339.864014	-0.75	-7.08	-0.44	-6.67
90	-339.864014	-0.49	-7.08	0.12	-6.67
87	-339.864014	0.46	-4.03	0.75	-3.62
89	-339.864014	-0.75	-4.03	-0.44	-3.62
90	-339.864014	-0.49	-4.03	0.12	-3.62
87	-339.864014	0.46	-2.66	0.75	-2.25
89	-339.864014	-0.75	-2.66	-0.44	-2.25
90	-339.864014	-0.49	-2.66	0.12	-2.25
170	-159.936005	0.22	-3.36	0.75	-2.95
172	-159.936005	-0.75	-3.36	-0.67	-2.95
174	-159.936005	-0.71	-3.36	-0.10	-2.95
170	-239.904007	0.22	0.60	0.75	1.01
172	-239.904007	-0.75	0.60	-0.67	1.01
174	-239.904007	-0.71	0.60	-0.10	1.01
170	-239.904007	0.22	2.12	0.75	2.53
172	-239.904007	-0.75	2.12	-0.67	2.53
174	-239.904007	-0.71	2.12	-0.10	2.53
170	-339.864014	0.22	4.25	0.75	4.66

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172	-339.864014	-0.75	4.25	-0.67	4.66
174	-339.864014	-0.71	4.25	-0.10	4.66
170	-339.864014	0.22	5.62	0.75	6.03
172	-339.864014	-0.75	5.62	-0.67	6.03
174	-339.864014	-0.71	5.62	-0.10	6.03
187	-339.864014	0.22	-6.33	0.75	-5.92
188	-339.864014	-0.75	-6.33	-0.67	-5.92
189	-339.864014	-0.71	-6.33	-0.10	-5.92
187	-339.864014	0.22	-4.96	0.75	-4.55
188	-339.864014	-0.75	-4.96	-0.67	-4.55
189	-339.864014	-0.71	-4.96	-0.10	-4.55
59	-159.936005	-0.64	-2.07	-0.04	-1.66
61	-159.936005	-0.09	-2.07	0.52	-1.66
59	-239.904007	-0.64	1.89	-0.04	2.30
61	-239.904007	-0.09	1.89	0.52	2.30
59	-239.904007	-0.64	3.41	-0.04	3.82
61	-239.904007	-0.09	3.41	0.52	3.82
59	-339.864014	-0.64	5.54	-0.04	5.95
61	-339.864014	-0.09	5.54	0.52	5.95
59	-339.864014	-0.64	6.91	-0.04	7.32
61	-339.864014	-0.09	6.91	0.52	7.32
79	-339.864014	-0.64	-5.04	-0.04	-4.63
81	-339.864014	-0.09	-5.04	0.52	-4.63
79	-339.864014	-0.64	-3.67	-0.04	-3.26
81	-339.864014	-0.09	-3.67	0.52	-3.26

LOADING 5 IRC: SLS CLASS 70R LOADING P53: STRESS MAX ABSOLUTE +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

190	-159.936005	0.10	-0.82	0.71	-0.41
191	-159.936005	0.67	-0.82	0.75	-0.41
192	-159.936005	-0.75	-0.82	-0.22	-0.41
190	-239.904007	0.10	3.14	0.71	3.55
191	-239.904007	0.67	3.14	0.75	3.55
192	-239.904007	-0.75	3.14	-0.22	3.55
190	-239.904007	0.10	4.66	0.71	5.07
191	-239.904007	0.67	4.66	0.75	5.07
192	-239.904007	-0.75	4.66	-0.22	5.07
190	-339.864014	0.10	6.79	0.71	7.20
191	-339.864014	0.67	6.79	0.75	7.20
192	-339.864014	-0.75	6.79	-0.22	7.20
207	-339.864014	0.10	-6.84	0.71	-6.43
209	-339.864014	0.67	-6.84	0.75	-6.43
211	-339.864014	-0.75	-6.84	-0.22	-6.43
207	-339.864014	0.10	-3.79	0.71	-3.38
209	-339.864014	0.67	-3.79	0.75	-3.38
211	-339.864014	-0.75	-3.79	-0.22	-3.38
207	-339.864014	0.10	-2.42	0.71	-2.01
209	-339.864014	0.67	-2.42	0.75	-2.01

STAAD SPACE

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211	-339.864014	-0.75	-2.42	-0.22	-2.01
63	-159.936005	-0.52	-1.06	0.09	-0.65
65	-159.936005	0.04	-1.06	0.64	-0.65
63	-239.904007	-0.52	2.90	0.09	3.31
65	-239.904007	0.04	2.90	0.64	3.31
63	-239.904007	-0.52	4.42	0.09	4.83
65	-239.904007	0.04	4.42	0.64	4.83
63	-339.864014	-0.52	6.55	0.09	6.96
65	-339.864014	0.04	6.55	0.64	6.96
83	-339.864014	-0.52	-7.08	0.09	-6.67
85	-339.864014	0.04	-7.08	0.64	-6.67
83	-339.864014	-0.52	-4.03	0.09	-3.62
85	-339.864014	0.04	-4.03	0.64	-3.62
83	-339.864014	-0.52	-2.66	0.09	-2.25
85	-339.864014	0.04	-2.66	0.64	-2.25
185	-159.936005	-0.21	-0.82	0.40	-0.41
186	-159.936005	0.35	-0.82	0.75	-0.41
187	-159.936005	-0.75	-0.82	-0.54	-0.41
185	-239.904007	-0.21	3.14	0.40	3.55
186	-239.904007	0.35	3.14	0.75	3.55
187	-239.904007	-0.75	3.14	-0.54	3.55
185	-239.904007	-0.21	4.66	0.40	5.07
186	-239.904007	0.35	4.66	0.75	5.07
187	-239.904007	-0.75	4.66	-0.54	5.07
185	-339.864014	-0.21	6.79	0.40	7.20
186	-339.864014	0.35	6.79	0.75	7.20
187	-339.864014	-0.75	6.79	-0.54	7.20
197	-339.864014	-0.21	-6.84	0.40	-6.43
199	-339.864014	0.35	-6.84	0.75	-6.43
201	-339.864014	-0.75	-6.84	-0.54	-6.43
197	-339.864014	-0.21	-3.79	0.40	-3.38
199	-339.864014	0.35	-3.79	0.75	-3.38
201	-339.864014	-0.75	-3.79	-0.54	-3.38
197	-339.864014	-0.21	-2.42	0.40	-2.01
199	-339.864014	0.35	-2.42	0.75	-2.01
201	-339.864014	-0.75	-2.42	-0.54	-2.01
53	-159.936005	-0.21	-1.57	0.40	-1.15
55	-159.936005	0.35	-1.57	0.75	-1.15
57	-159.936005	-0.75	-1.57	-0.54	-1.15
53	-239.904007	-0.21	2.39	0.40	2.81
55	-239.904007	0.35	2.39	0.75	2.81
57	-239.904007	-0.75	2.39	-0.54	2.81
53	-239.904007	-0.21	3.91	0.40	4.32
55	-239.904007	0.35	3.91	0.75	4.32
57	-239.904007	-0.75	3.91	-0.54	4.32
53	-339.864014	-0.21	6.05	0.40	6.45
55	-339.864014	0.35	6.05	0.75	6.45
57	-339.864014	-0.75	6.05	-0.54	6.45
53	-339.864014	-0.21	7.41	0.40	7.50
73	-339.864014	-0.21	-7.50	0.40	-7.18
55	-339.864014	0.35	7.41	0.75	7.50
57	-339.864014	-0.75	7.41	-0.54	7.50
75	-339.864014	0.35	-7.50	0.75	-7.18
77	-339.864014	-0.75	-7.50	-0.54	-7.18
73	-339.864014	-0.21	-4.53	0.40	-4.12
75	-339.864014	0.35	-4.53	0.75	-4.12

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77	-339.864014	-0.75	-4.53	-0.54	-4.12
73	-339.864014	-0.21	-3.16	0.40	-2.76
75	-339.864014	0.35	-3.16	0.75	-2.76
77	-339.864014	-0.75	-3.16	-0.54	-2.76

LOADING 6 IRC: SLS CLASS 70R LOADING P85: STRESS MAX ABSOLUTE +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-159.936005	0.46	0.58	0.75	1.00
213	-159.936005	-0.75	0.58	-0.44	1.00
214	-159.936005	-0.49	0.58	0.12	1.00
211	-239.904007	0.46	-3.38	0.75	-2.96
213	-239.904007	-0.75	-3.38	-0.44	-2.96
214	-239.904007	-0.49	-3.38	0.12	-2.96
211	-239.904007	0.46	-4.89	0.75	-4.49
213	-239.904007	-0.75	-4.89	-0.44	-4.49
214	-239.904007	-0.49	-4.89	0.12	-4.49
211	-339.864014	0.46	-7.03	0.75	-6.61
213	-339.864014	-0.75	-7.03	-0.44	-6.61
214	-339.864014	-0.49	-7.03	0.12	-6.61
192	-339.864014	0.46	6.61	0.75	7.01
193	-339.864014	-0.75	6.61	-0.44	7.01
195	-339.864014	-0.49	6.61	0.12	7.01
192	-339.864014	0.46	3.56	0.75	3.96
193	-339.864014	-0.75	3.56	-0.44	3.96
195	-339.864014	-0.49	3.56	0.12	3.96
192	-339.864014	0.45	2.18	0.75	2.60
193	-339.864014	-0.75	2.18	-0.44	2.60
195	-339.864014	-0.49	2.18	0.12	2.60
87	-159.936005	0.46	1.34	0.75	1.75
89	-159.936005	-0.75	1.34	-0.44	1.75
90	-159.936005	-0.49	1.34	0.12	1.75
87	-239.904007	0.46	-2.62	0.75	-2.21
89	-239.904007	-0.75	-2.62	-0.44	-2.21
90	-239.904007	-0.49	-2.62	0.12	-2.21
87	-239.904007	0.46	-4.14	0.75	-3.73
89	-239.904007	-0.75	-4.14	-0.44	-3.73
90	-239.904007	-0.49	-4.14	0.12	-3.73
87	-339.864014	0.46	-6.27	0.75	-5.86
89	-339.864014	-0.75	-6.27	-0.44	-5.86
90	-339.864014	-0.49	-6.27	0.12	-5.86
67	-339.864014	0.46	7.36	0.75	7.50
69	-339.864014	-0.75	7.36	-0.44	7.50
87	-339.864014	0.46	-7.50	0.75	-7.23
89	-339.864014	-0.75	-7.50	-0.44	-7.23
71	-339.864014	-0.49	7.36	0.12	7.50
90	-339.864014	-0.49	-7.50	0.12	-7.23
67	-339.864014	0.46	4.31	0.75	4.72
69	-339.864014	-0.75	4.31	-0.44	4.72

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71	-339.864014	-0.49	4.31	0.12	4.72
67	-339.864014	0.46	2.94	0.75	3.35
69	-339.864014	-0.75	2.94	-0.44	3.35
71	-339.864014	-0.49	2.94	0.12	3.35
185	-159.936005	-0.21	-1.32	0.40	-0.91
186	-159.936005	0.35	-1.32	0.75	-0.91
187	-159.936005	-0.75	-1.32	-0.54	-0.91
185	-239.904007	-0.21	2.64	0.40	3.05
186	-239.904007	0.35	2.64	0.75	3.05
187	-239.904007	-0.75	2.64	-0.54	3.05
185	-239.904007	-0.21	4.16	0.40	4.57
186	-239.904007	0.35	4.16	0.75	4.57
187	-239.904007	-0.75	4.16	-0.54	4.57
185	-339.864014	-0.21	6.29	0.40	6.70
186	-339.864014	0.35	6.29	0.75	6.70
187	-339.864014	-0.75	6.29	-0.54	6.70
197	-339.864014	-0.21	-7.34	0.40	-6.93
199	-339.864014	0.35	-7.34	0.75	-6.93
201	-339.864014	-0.75	-7.34	-0.54	-6.93
197	-339.864014	-0.21	-4.29	0.40	-3.88
199	-339.864014	0.35	-4.29	0.75	-3.88
201	-339.864014	-0.75	-4.29	-0.54	-3.88
197	-339.864014	-0.21	-2.92	0.40	-2.51
199	-339.864014	0.35	-2.92	0.75	-2.51
201	-339.864014	-0.75	-2.92	-0.54	-2.51
53	-159.936005	-0.21	-1.06	0.40	-0.65
55	-159.936005	0.35	-1.06	0.75	-0.65
57	-159.936005	-0.75	-1.06	-0.54	-0.65
53	-239.904007	-0.21	2.90	0.40	3.31
55	-239.904007	0.35	2.90	0.75	3.31
57	-239.904007	-0.75	2.90	-0.54	3.31
53	-239.904007	-0.21	4.42	0.40	4.83
55	-239.904007	0.35	4.42	0.75	4.83
57	-239.904007	-0.75	4.42	-0.54	4.83
53	-339.864014	-0.21	6.55	0.40	6.96
55	-339.864014	0.35	6.55	0.75	6.96
57	-339.864014	-0.75	6.55	-0.54	6.96
73	-339.864014	-0.21	-7.08	0.40	-6.67
75	-339.864014	0.35	-7.08	0.75	-6.67
77	-339.864014	-0.75	-7.08	-0.54	-6.67
73	-339.864014	-0.21	-4.03	0.40	-3.62
75	-339.864014	0.35	-4.03	0.75	-3.62
77	-339.864014	-0.75	-4.03	-0.54	-3.62
73	-339.864014	-0.21	-2.66	0.40	-2.25
75	-339.864014	0.35	-2.66	0.75	-2.25
77	-339.864014	-0.75	-2.66	-0.54	-2.25

LOADING 7 IRC: SLS CLASS 70R LOADING B41: FORCE END A: FX +VE

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ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

190	-159.936005	0.10	7.20	0.71	7.50
207	-159.936005	0.10	-7.50	0.71	-7.39
191	-159.936005	0.67	7.20	0.75	7.50
192	-159.936005	-0.75	7.20	-0.23	7.50
209	-159.936005	0.67	-7.50	0.75	-7.39
211	-159.936005	-0.75	-7.50	-0.23	-7.39
207	-239.904007	0.10	-3.85	0.71	-3.43
209	-239.904007	0.67	-3.85	0.75	-3.43
211	-239.904007	-0.75	-3.85	-0.23	-3.43
207	-239.904007	0.10	-2.33	0.71	-1.91
209	-239.904007	0.67	-2.33	0.75	-1.91
211	-239.904007	-0.75	-2.33	-0.23	-1.91
207	-339.864014	0.10	-0.19	0.71	0.22
209	-339.864014	0.67	-0.19	0.75	0.22
211	-339.864014	-0.75	-0.19	-0.23	0.22
207	-339.864014	0.10	1.17	0.71	1.59
209	-339.864014	0.67	1.17	0.75	1.59
211	-339.864014	-0.75	1.17	-0.23	1.59
207	-339.864014	0.10	4.22	0.71	4.64
209	-339.864014	0.67	4.22	0.75	4.64
211	-339.864014	-0.75	4.22	-0.23	4.64
207	-339.864014	0.10	5.59	0.71	6.01
209	-339.864014	0.67	5.59	0.75	6.01
211	-339.864014	-0.75	5.59	-0.23	6.01
83	-159.936005	-0.52	-3.04	0.09	-2.63
85	-159.936005	0.04	-3.04	0.64	-2.63
83	-239.904007	-0.52	0.92	0.09	1.33
85	-239.904007	0.04	0.92	0.64	1.33
83	-239.904007	-0.52	2.44	0.09	2.85
85	-239.904007	0.04	2.44	0.64	2.85
83	-339.864014	-0.52	4.57	0.09	4.98
85	-339.864014	0.04	4.57	0.64	4.98
83	-339.864014	-0.52	5.94	0.09	6.35
85	-339.864014	0.04	5.94	0.64	6.35
97	-339.864014	-0.52	-6.01	0.09	-5.60
98	-339.864014	0.04	-6.01	0.64	-5.60
97	-339.864014	-0.52	-4.64	0.09	-4.23
98	-339.864014	0.04	-4.64	0.64	-4.23
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49

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77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 8 IRC: SLS CLASS 70R LOADING B41: FORCE END B: FX +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

190	-159.936005	0.10	7.20	0.71	7.50
207	-159.936005	0.10	-7.50	0.71	-7.39
191	-159.936005	0.67	7.20	0.75	7.50
192	-159.936005	-0.75	7.20	-0.23	7.50
209	-159.936005	0.67	-7.50	0.75	-7.39
211	-159.936005	-0.75	-7.50	-0.23	-7.39
207	-239.904007	0.10	-3.85	0.71	-3.43
209	-239.904007	0.67	-3.85	0.75	-3.43
211	-239.904007	-0.75	-3.85	-0.23	-3.43
207	-239.904007	0.10	-2.33	0.71	-1.91
209	-239.904007	0.67	-2.33	0.75	-1.91
211	-239.904007	-0.75	-2.33	-0.23	-1.91
207	-339.864014	0.10	-0.19	0.71	0.22
209	-339.864014	0.67	-0.19	0.75	0.22
211	-339.864014	-0.75	-0.19	-0.23	0.22
207	-339.864014	0.10	1.17	0.71	1.59
209	-339.864014	0.67	1.17	0.75	1.59
211	-339.864014	-0.75	1.17	-0.23	1.59
207	-339.864014	0.10	4.22	0.71	4.64
209	-339.864014	0.67	4.22	0.75	4.64
211	-339.864014	-0.75	4.22	-0.23	4.64
207	-339.864014	0.10	5.59	0.71	6.01
209	-339.864014	0.67	5.59	0.75	6.01
211	-339.864014	-0.75	5.59	-0.23	6.01
83	-159.936005	-0.52	-3.04	0.09	-2.63
85	-159.936005	0.04	-3.04	0.64	-2.63
83	-239.904007	-0.52	0.92	0.09	1.33
85	-239.904007	0.04	0.92	0.64	1.33
83	-239.904007	-0.52	2.44	0.09	2.85
85	-239.904007	0.04	2.44	0.64	2.85
83	-339.864014	-0.52	4.57	0.09	4.98
85	-339.864014	0.04	4.57	0.64	4.98

STAAD SPACE

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83	-339.864014	-0.52	5.94	0.09	6.35
85	-339.864014	0.04	5.94	0.64	6.35
97	-339.864014	-0.52	-6.01	0.09	-5.60
98	-339.864014	0.04	-6.01	0.64	-5.60
97	-339.864014	-0.52	-4.64	0.09	-4.23
98	-339.864014	0.04	-4.64	0.64	-4.23
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49
77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 9 IRC: SLS CLASS 70R LOADING B23: FORCE END A: FX -VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

149	-159.936005	0.46	-1.41	0.75	-1.00
151	-159.936005	-0.75	-1.41	-0.44	-1.00
152	-159.936005	-0.49	-1.41	0.12	-1.00
149	-239.904007	0.46	2.55	0.75	2.96
151	-239.904007	-0.75	2.55	-0.44	2.96
152	-239.904007	-0.49	2.55	0.12	2.96
149	-239.904007	0.46	4.07	0.75	4.48
151	-239.904007	-0.75	4.07	-0.44	4.48
152	-239.904007	-0.49	4.07	0.12	4.48
149	-339.864014	0.46	6.20	0.75	6.61
151	-339.864014	-0.75	6.20	-0.44	6.61
152	-339.864014	-0.49	6.20	0.12	6.61
161	-339.864014	0.46	-7.43	0.75	-7.02
162	-339.864014	-0.75	-7.43	-0.44	-7.02
164	-339.864014	-0.49	-7.43	0.12	-7.02

STAAD SPACE

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161	-339.864014	0.46	-4.38	0.75	-3.97
162	-339.864014	-0.75	-4.38	-0.44	-3.97
164	-339.864014	-0.49	-4.38	0.12	-3.97
161	-339.864014	0.46	-3.01	0.75	-2.60
162	-339.864014	-0.75	-3.01	-0.44	-2.60
164	-339.864014	-0.49	-3.01	0.12	-2.60
154	-159.936005	-0.21	1.00	0.40	1.40
155	-159.936005	0.35	1.00	0.75	1.40
156	-159.936005	-0.75	1.00	-0.54	1.40
154	-239.904007	-0.21	-2.96	0.40	-2.56
155	-239.904007	0.35	-2.96	0.75	-2.56
156	-239.904007	-0.75	-2.96	-0.54	-2.56
154	-239.904007	-0.21	-4.49	0.40	-4.07
155	-239.904007	0.35	-4.49	0.75	-4.07
156	-239.904007	-0.75	-4.49	-0.54	-4.07
154	-339.864014	-0.21	-6.61	0.40	-6.20
155	-339.864014	0.35	-6.61	0.75	-6.20
156	-339.864014	-0.75	-6.61	-0.54	-6.20
135	-339.864014	-0.21	7.01	0.40	7.43
137	-339.864014	0.35	7.01	0.75	7.43
139	-339.864014	-0.75	7.01	-0.54	7.43
135	-339.864014	-0.21	3.96	0.40	4.38
137	-339.864014	0.35	3.96	0.75	4.38
139	-339.864014	-0.75	3.96	-0.54	4.38
135	-339.864014	-0.21	2.60	0.40	3.01
137	-339.864014	0.35	2.60	0.75	3.01
139	-339.864014	-0.75	2.60	-0.54	3.01

LOADING 10 IRC: SLS CLASS 70R LOADING B23: FORCE END B: FX -VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

149	-159.936005	0.46	-1.41	0.75	-1.00
151	-159.936005	-0.75	-1.41	-0.44	-1.00
152	-159.936005	-0.49	-1.41	0.12	-1.00
149	-239.904007	0.46	2.55	0.75	2.96
151	-239.904007	-0.75	2.55	-0.44	2.96
152	-239.904007	-0.49	2.55	0.12	2.96
149	-239.904007	0.46	4.07	0.75	4.48
151	-239.904007	-0.75	4.07	-0.44	4.48
152	-239.904007	-0.49	4.07	0.12	4.48
149	-339.864014	0.46	6.20	0.75	6.61
151	-339.864014	-0.75	6.20	-0.44	6.61
152	-339.864014	-0.49	6.20	0.12	6.61
161	-339.864014	0.46	-7.43	0.75	-7.02
162	-339.864014	-0.75	-7.43	-0.44	-7.02
164	-339.864014	-0.49	-7.43	0.12	-7.02
161	-339.864014	0.46	-4.38	0.75	-3.97
162	-339.864014	-0.75	-4.38	-0.44	-3.97
164	-339.864014	-0.49	-4.38	0.12	-3.97

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161	-339.864014	0.46	-3.01	0.75	-2.60
162	-339.864014	-0.75	-3.01	-0.44	-2.60
164	-339.864014	-0.49	-3.01	0.12	-2.60
154	-159.936005	-0.21	1.00	0.40	1.40
155	-159.936005	0.35	1.00	0.75	1.40
156	-159.936005	-0.75	1.00	-0.54	1.40
154	-239.904007	-0.21	-2.96	0.40	-2.56
155	-239.904007	0.35	-2.96	0.75	-2.56
156	-239.904007	-0.75	-2.96	-0.54	-2.56
154	-239.904007	-0.21	-4.49	0.40	-4.07
155	-239.904007	0.35	-4.49	0.75	-4.07
156	-239.904007	-0.75	-4.49	-0.54	-4.07
154	-339.864014	-0.21	-6.61	0.40	-6.20
155	-339.864014	0.35	-6.61	0.75	-6.20
156	-339.864014	-0.75	-6.61	-0.54	-6.20
135	-339.864014	-0.21	7.01	0.40	7.43
137	-339.864014	0.35	7.01	0.75	7.43
139	-339.864014	-0.75	7.01	-0.54	7.43
135	-339.864014	-0.21	3.96	0.40	4.38
137	-339.864014	0.35	3.96	0.75	4.38
139	-339.864014	-0.75	3.96	-0.54	4.38
135	-339.864014	-0.21	2.60	0.40	3.01
137	-339.864014	0.35	2.60	0.75	3.01
139	-339.864014	-0.75	2.60	-0.54	3.01

LOADING 11 IRC: SLS CLASS 70R LOADING B31: FORCE END A: FY +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT	PRESSURE		
211	-0.100000	0.72	-6.24
211	-0.100000	0.63	-6.24
211	-0.100000	0.53	-6.24
211	-0.100000	0.44	-6.24
211	-0.100000	0.34	-6.24
211	-0.100000	0.25	-6.24
213	-0.100000	-0.40	-6.24
213	-0.100000	-0.50	-6.24
213	-0.100000	-0.59	-6.24
213	-0.100000	-0.68	-6.24
214	-0.100000	0.15	-6.24
214	-0.100000	0.06	-6.24
214	-0.100000	-0.04	-6.24
214	-0.100000	-0.13	-6.24
214	-0.100000	-0.23	-6.24
214	-0.100000	-0.32	-6.24
214	-0.100000	-0.42	-6.24
214	-0.100000	-0.51	-6.24
214	-0.100000	-0.61	-6.24
214	-0.100000	-0.70	-6.24
211	-204.910995	0.50	-3.96

STAAD SPACE

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213	-143.089005	-0.58	-3.96		
214	-347.795013	-0.28	-3.96		
211	-0.100000	0.72	0.61		
211	-0.100000	0.63	0.61		
211	-0.100000	0.53	0.61		
211	-0.100000	0.44	0.61		
211	-0.100000	0.34	0.61		
211	-0.100000	0.25	0.61		
213	-0.100000	-0.40	0.61		
213	-0.100000	-0.50	0.61		
213	-0.100000	-0.59	0.61		
213	-0.100000	-0.68	0.61		
214	-0.100000	0.15	0.61		
214	-0.100000	0.06	0.61		
214	-0.100000	-0.04	0.61		
214	-0.100000	-0.13	0.61		
214	-0.100000	-0.23	0.61		
214	-0.100000	-0.32	0.61		
214	-0.100000	-0.42	0.61		
214	-0.100000	-0.51	0.61		
214	-0.100000	-0.61	0.61		
214	-0.100000	-0.70	0.61		
161	-0.100000	0.72	0.23		
161	-0.100000	0.63	0.23		
161	-0.100000	0.53	0.23		
161	-0.100000	0.44	0.23		
161	-0.100000	0.34	0.23		
161	-0.100000	0.25	0.23		
162	-0.100000	-0.40	0.23		
162	-0.100000	-0.49	0.23		
162	-0.100000	-0.59	0.23		
162	-0.100000	-0.68	0.23		
164	-0.100000	0.15	0.23		
164	-0.100000	0.06	0.23		
164	-0.100000	-0.04	0.23		
164	-0.100000	-0.13	0.23		
164	-0.100000	-0.23	0.23		
164	-0.100000	-0.32	0.23		
164	-0.100000	-0.42	0.23		
164	-0.100000	-0.51	0.23		
164	-0.100000	-0.61	0.23		
164	-0.100000	-0.70	0.23		
161	-89.586800	0.25	0.23	0.75	4.80
162	-89.586800	-0.75	0.23	-0.40	4.80
164	-89.586800	-0.70	0.23	0.15	4.80
161	-0.100000	0.72	7.08		
161	-0.100000	0.63	7.08		
161	-0.100000	0.53	7.08		
161	-0.100000	0.44	7.08		
161	-0.100000	0.34	7.08		
161	-0.100000	0.25	7.08		
162	-0.100000	-0.40	7.08		
162	-0.100000	-0.49	7.08		
162	-0.100000	-0.59	7.08		
162	-0.100000	-0.68	7.08		
164	-0.100000	0.15	7.08		

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164	-0.100000	0.06	7.08		
164	-0.100000	-0.04	7.08		
164	-0.100000	-0.13	7.08		
164	-0.100000	-0.23	7.08		
164	-0.100000	-0.32	7.08		
164	-0.100000	-0.42	7.08		
164	-0.100000	-0.51	7.08		
164	-0.100000	-0.61	7.08		
164	-0.100000	-0.70	7.08		
99	-0.100000	0.72	4.68		
99	-0.100000	0.63	4.68		
99	-0.100000	0.53	4.68		
99	-0.100000	0.44	4.68		
99	-0.100000	0.34	4.68		
99	-0.100000	0.25	4.68		
100	-0.100000	-0.40	4.68		
100	-0.100000	-0.49	4.68		
100	-0.100000	-0.59	4.68		
100	-0.100000	-0.68	4.68		
102	-0.100000	0.15	4.68		
102	-0.100000	0.06	4.68		
102	-0.100000	-0.04	4.68		
102	-0.100000	-0.13	4.68		
102	-0.100000	-0.23	4.68		
102	-0.100000	-0.32	4.68		
102	-0.100000	-0.42	4.68		
102	-0.100000	-0.51	4.68		
102	-0.100000	-0.61	4.68		
102	-0.100000	-0.70	4.68		
99	-89.586800	0.25	4.68	0.75	7.50
100	-89.586800	-0.75	4.68	-0.40	7.50
118	-89.586800	0.25	-7.50	0.75	-5.75
120	-89.586800	-0.75	-7.50	-0.40	-5.75
102	-89.586800	-0.70	4.68	0.15	7.50
121	-89.586800	-0.70	-7.50	0.15	-5.75
118	-0.100000	0.72	-3.46		
118	-0.100000	0.63	-3.46		
118	-0.100000	0.53	-3.46		
118	-0.100000	0.44	-3.46		
118	-0.100000	0.34	-3.46		
118	-0.100000	0.25	-3.46		
120	-0.100000	-0.40	-3.46		
120	-0.100000	-0.49	-3.46		
120	-0.100000	-0.59	-3.46		
120	-0.100000	-0.68	-3.46		
121	-0.100000	0.15	-3.46		
121	-0.100000	0.06	-3.46		
121	-0.100000	-0.04	-3.46		
121	-0.100000	-0.13	-3.46		
121	-0.100000	-0.23	-3.46		
121	-0.100000	-0.32	-3.46		
121	-0.100000	-0.42	-3.46		
121	-0.100000	-0.51	-3.46		
121	-0.100000	-0.61	-3.46		
121	-0.100000	-0.70	-3.46		
201	-0.100000	0.74	1.61		

STAAD SPACE

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201	-0.100000	0.65	1.61		
203	-0.100000	0.00	1.61		
203	-0.100000	-0.09	1.61		
203	-0.100000	-0.19	1.61		
203	-0.100000	-0.28	1.61		
203	-0.100000	-0.38	1.61		
203	-0.100000	-0.47	1.61		
203	-0.100000	-0.57	1.61		
203	-0.100000	-0.66	1.61		
205	-0.100000	0.55	1.61		
205	-0.100000	0.46	1.61		
205	-0.100000	0.36	1.61		
205	-0.100000	0.27	1.61		
205	-0.100000	0.17	1.61		
205	-0.100000	0.08	1.61		
205	-0.100000	-0.02	1.61		
205	-0.100000	-0.11	1.61		
205	-0.100000	-0.21	1.61		
205	-0.100000	-0.30	1.61		
201	-89.586800	0.65	-2.96	0.75	1.61
203	-89.586800	-0.75	-2.96	0.00	1.61
205	-89.586800	-0.30	-2.96	0.55	1.61
201	-0.100000	0.74	-5.24		
201	-0.100000	0.65	-5.24		
203	-0.100000	0.00	-5.24		
203	-0.100000	-0.09	-5.24		
203	-0.100000	-0.19	-5.24		
203	-0.100000	-0.28	-5.24		
203	-0.100000	-0.38	-5.24		
203	-0.100000	-0.47	-5.24		
203	-0.100000	-0.57	-5.24		
203	-0.100000	-0.66	-5.24		
205	-0.100000	0.55	-5.24		
205	-0.100000	0.46	-5.24		
205	-0.100000	0.36	-5.24		
205	-0.100000	0.27	-5.24		
205	-0.100000	0.17	-5.24		
205	-0.100000	0.08	-5.24		
205	-0.100000	-0.02	-5.24		
205	-0.100000	-0.11	-5.24		
205	-0.100000	-0.21	-5.24		
205	-0.100000	-0.30	-5.24		
170	-0.100000	0.74	-6.92		
170	-0.100000	0.65	-6.92		
172	-0.100000	0.00	-6.92		
172	-0.100000	-0.09	-6.92		
172	-0.100000	-0.19	-6.92		
172	-0.100000	-0.28	-6.92		
172	-0.100000	-0.38	-6.92		
172	-0.100000	-0.47	-6.92		
172	-0.100000	-0.57	-6.92		
172	-0.100000	-0.66	-6.92		
174	-0.100000	0.55	-6.92		
174	-0.100000	0.46	-6.92		
174	-0.100000	0.36	-6.92		
174	-0.100000	0.27	-6.92		

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174	-0.100000	0.17	-6.92		
174	-0.100000	0.08	-6.92		
174	-0.100000	-0.02	-6.92		
174	-0.100000	-0.11	-6.92		
174	-0.100000	-0.21	-6.92		
174	-0.100000	-0.30	-6.92		
156	-89.586800	0.65	3.51	0.75	7.50
157	-89.586800	-0.75	3.51	0.00	7.50
170	-89.586800	0.65	-7.50	0.75	-6.92
172	-89.586800	-0.75	-7.50	0.00	-6.92
158	-89.586800	-0.30	3.51	0.55	7.50
174	-89.586800	-0.30	-7.50	0.55	-6.92
156	-0.100000	0.74	1.23		
156	-0.100000	0.65	1.23		
157	-0.100000	0.00	1.23		
157	-0.100000	-0.09	1.23		
157	-0.100000	-0.19	1.23		
157	-0.100000	-0.28	1.23		
157	-0.100000	-0.38	1.23		
157	-0.100000	-0.47	1.23		
157	-0.100000	-0.57	1.23		
157	-0.100000	-0.66	1.23		
158	-0.100000	0.55	1.23		
158	-0.100000	0.46	1.23		
158	-0.100000	0.36	1.23		
158	-0.100000	0.27	1.23		
158	-0.100000	0.17	1.23		
158	-0.100000	0.08	1.23		
158	-0.100000	-0.02	1.23		
158	-0.100000	-0.11	1.23		
158	-0.100000	-0.21	1.23		
158	-0.100000	-0.30	1.23		
125	-0.100000	0.67	-0.45		
125	-0.100000	0.58	-0.45		
125	-0.100000	0.48	-0.45		
125	-0.100000	0.39	-0.45		
125	-0.100000	0.29	-0.45		
125	-0.100000	0.20	-0.45		
126	-0.100000	-0.45	-0.45		
126	-0.100000	-0.54	-0.45		
126	-0.100000	-0.64	-0.45		
126	-0.100000	-0.73	-0.45		
126	-0.100000	0.75	-0.45		
127	-0.100000	0.10	-0.45		
127	-0.100000	0.01	-0.45		
127	-0.100000	-0.09	-0.45		
127	-0.100000	-0.18	-0.45		
127	-0.100000	-0.28	-0.45		
127	-0.100000	-0.37	-0.45		
127	-0.100000	-0.47	-0.45		
127	-0.100000	-0.56	-0.45		
127	-0.100000	-0.66	-0.45		
125	-89.586800	0.20	-5.02	0.75	-0.45
126	-89.586800	-0.75	-5.02	-0.45	-0.45
127	-89.586800	-0.75	-5.02	0.10	-0.45
125	-0.100000	0.67	-7.30		

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125	-0.100000	0.58	-7.30		
125	-0.100000	0.48	-7.30		
125	-0.100000	0.39	-7.30		
125	-0.100000	0.29	-7.30		
125	-0.100000	0.20	-7.30		
126	-0.100000	-0.45	-7.30		
126	-0.100000	-0.54	-7.30		
126	-0.100000	-0.64	-7.30		
126	-0.100000	-0.73	-7.30		
126	-0.100000	0.75	-7.30		
127	-0.100000	0.10	-7.30		
127	-0.100000	0.01	-7.30		
127	-0.100000	-0.09	-7.30		
127	-0.100000	-0.18	-7.30		
127	-0.100000	-0.28	-7.30		
127	-0.100000	-0.37	-7.30		
127	-0.100000	-0.47	-7.30		
127	-0.100000	-0.56	-7.30		
127	-0.100000	-0.66	-7.30		
77	-0.100000	0.67	-5.49		
77	-0.100000	0.58	-5.49		
77	-0.100000	0.48	-5.49		
77	-0.100000	0.39	-5.49		
77	-0.100000	0.29	-5.49		
77	-0.100000	0.20	-5.49		
79	-0.100000	-0.45	-5.49		
79	-0.100000	-0.54	-5.49		
79	-0.100000	-0.64	-5.49		
79	-0.100000	-0.73	-5.49		
79	-0.100000	0.75	-5.49		
81	-0.100000	0.10	-5.49		
81	-0.100000	0.01	-5.49		
81	-0.100000	-0.09	-5.49		
81	-0.100000	-0.18	-5.49		
81	-0.100000	-0.28	-5.49		
81	-0.100000	-0.37	-5.49		
81	-0.100000	-0.47	-5.49		
81	-0.100000	-0.56	-5.49		
81	-0.100000	-0.66	-5.49		
57	-89.586800	0.20	4.94	0.75	7.50
59	-89.586800	-0.75	4.94	-0.45	7.50
77	-89.586800	0.20	-7.50	0.75	-5.49
79	-89.586800	-0.75	-7.50	-0.45	-5.49
61	-89.586800	-0.75	4.94	0.10	7.50
81	-89.586800	-0.75	-7.50	0.10	-5.49
57	-0.100000	0.67	2.66		
57	-0.100000	0.58	2.66		
57	-0.100000	0.48	2.66		
57	-0.100000	0.39	2.66		
57	-0.100000	0.29	2.66		
57	-0.100000	0.20	2.66		
59	-0.100000	-0.45	2.66		
59	-0.100000	-0.54	2.66		
59	-0.100000	-0.64	2.66		
59	-0.100000	-0.73	2.66		
59	-0.100000	0.75	2.66		

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61	-0.100000	0.10	2.66
61	-0.100000	0.01	2.66
61	-0.100000	-0.09	2.66
61	-0.100000	-0.18	2.66
61	-0.100000	-0.28	2.66
61	-0.100000	-0.37	2.66
61	-0.100000	-0.47	2.66
61	-0.100000	-0.56	2.66
61	-0.100000	-0.66	2.66

LOADING 12 IRC: SLS CLASS 70R LOADING B31: FORCE END B: FY +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-0.100000	0.72	-6.24
211	-0.100000	0.63	-6.24
211	-0.100000	0.53	-6.24
211	-0.100000	0.44	-6.24
211	-0.100000	0.34	-6.24
211	-0.100000	0.25	-6.24
213	-0.100000	-0.40	-6.24
213	-0.100000	-0.50	-6.24
213	-0.100000	-0.59	-6.24
213	-0.100000	-0.68	-6.24
214	-0.100000	0.15	-6.24
214	-0.100000	0.06	-6.24
214	-0.100000	-0.04	-6.24
214	-0.100000	-0.13	-6.24
214	-0.100000	-0.23	-6.24
214	-0.100000	-0.32	-6.24
214	-0.100000	-0.42	-6.24
214	-0.100000	-0.51	-6.24
214	-0.100000	-0.61	-6.24
214	-0.100000	-0.70	-6.24
211	-204.910995	0.50	-3.96
213	-143.089005	-0.58	-3.96
214	-347.795013	-0.28	-3.96
211	-0.100000	0.72	0.61
211	-0.100000	0.63	0.61
211	-0.100000	0.53	0.61
211	-0.100000	0.44	0.61
211	-0.100000	0.34	0.61
211	-0.100000	0.25	0.61
213	-0.100000	-0.40	0.61
213	-0.100000	-0.50	0.61
213	-0.100000	-0.59	0.61
213	-0.100000	-0.68	0.61
214	-0.100000	0.15	0.61
214	-0.100000	0.06	0.61
214	-0.100000	-0.04	0.61

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214	-0.100000	-0.13	0.61		
214	-0.100000	-0.23	0.61		
214	-0.100000	-0.32	0.61		
214	-0.100000	-0.42	0.61		
214	-0.100000	-0.51	0.61		
214	-0.100000	-0.61	0.61		
214	-0.100000	-0.70	0.61		
161	-0.100000	0.72	0.23		
161	-0.100000	0.63	0.23		
161	-0.100000	0.53	0.23		
161	-0.100000	0.44	0.23		
161	-0.100000	0.34	0.23		
161	-0.100000	0.25	0.23		
162	-0.100000	-0.40	0.23		
162	-0.100000	-0.49	0.23		
162	-0.100000	-0.59	0.23		
162	-0.100000	-0.68	0.23		
164	-0.100000	0.15	0.23		
164	-0.100000	0.06	0.23		
164	-0.100000	-0.04	0.23		
164	-0.100000	-0.13	0.23		
164	-0.100000	-0.23	0.23		
164	-0.100000	-0.32	0.23		
164	-0.100000	-0.42	0.23		
164	-0.100000	-0.51	0.23		
164	-0.100000	-0.61	0.23		
164	-0.100000	-0.70	0.23		
161	-89.586800	0.25	0.23	0.75	4.80
162	-89.586800	-0.75	0.23	-0.40	4.80
164	-89.586800	-0.70	0.23	0.15	4.80
161	-0.100000	0.72	7.08		
161	-0.100000	0.63	7.08		
161	-0.100000	0.53	7.08		
161	-0.100000	0.44	7.08		
161	-0.100000	0.34	7.08		
161	-0.100000	0.25	7.08		
162	-0.100000	-0.40	7.08		
162	-0.100000	-0.49	7.08		
162	-0.100000	-0.59	7.08		
162	-0.100000	-0.68	7.08		
164	-0.100000	0.15	7.08		
164	-0.100000	0.06	7.08		
164	-0.100000	-0.04	7.08		
164	-0.100000	-0.13	7.08		
164	-0.100000	-0.23	7.08		
164	-0.100000	-0.32	7.08		
164	-0.100000	-0.42	7.08		
164	-0.100000	-0.51	7.08		
164	-0.100000	-0.61	7.08		
164	-0.100000	-0.70	7.08		
99	-0.100000	0.72	4.68		
99	-0.100000	0.63	4.68		
99	-0.100000	0.53	4.68		
99	-0.100000	0.44	4.68		
99	-0.100000	0.34	4.68		
99	-0.100000	0.25	4.68		

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100	-0.100000	-0.40	4.68		
100	-0.100000	-0.49	4.68		
100	-0.100000	-0.59	4.68		
100	-0.100000	-0.68	4.68		
102	-0.100000	0.15	4.68		
102	-0.100000	0.06	4.68		
102	-0.100000	-0.04	4.68		
102	-0.100000	-0.13	4.68		
102	-0.100000	-0.23	4.68		
102	-0.100000	-0.32	4.68		
102	-0.100000	-0.42	4.68		
102	-0.100000	-0.51	4.68		
102	-0.100000	-0.61	4.68		
102	-0.100000	-0.70	4.68		
99	-89.586800	0.25	4.68	0.75	7.50
100	-89.586800	-0.75	4.68	-0.40	7.50
118	-89.586800	0.25	-7.50	0.75	-5.75
120	-89.586800	-0.75	-7.50	-0.40	-5.75
102	-89.586800	-0.70	4.68	0.15	7.50
121	-89.586800	-0.70	-7.50	0.15	-5.75
118	-0.100000	0.72	-3.46		
118	-0.100000	0.63	-3.46		
118	-0.100000	0.53	-3.46		
118	-0.100000	0.44	-3.46		
118	-0.100000	0.34	-3.46		
118	-0.100000	0.25	-3.46		
120	-0.100000	-0.40	-3.46		
120	-0.100000	-0.49	-3.46		
120	-0.100000	-0.59	-3.46		
120	-0.100000	-0.68	-3.46		
121	-0.100000	0.15	-3.46		
121	-0.100000	0.06	-3.46		
121	-0.100000	-0.04	-3.46		
121	-0.100000	-0.13	-3.46		
121	-0.100000	-0.23	-3.46		
121	-0.100000	-0.32	-3.46		
121	-0.100000	-0.42	-3.46		
121	-0.100000	-0.51	-3.46		
121	-0.100000	-0.61	-3.46		
121	-0.100000	-0.70	-3.46		
201	-0.100000	0.74	1.61		
201	-0.100000	0.65	1.61		
203	-0.100000	0.00	1.61		
203	-0.100000	-0.09	1.61		
203	-0.100000	-0.19	1.61		
203	-0.100000	-0.28	1.61		
203	-0.100000	-0.38	1.61		
203	-0.100000	-0.47	1.61		
203	-0.100000	-0.57	1.61		
203	-0.100000	-0.66	1.61		
205	-0.100000	0.55	1.61		
205	-0.100000	0.46	1.61		
205	-0.100000	0.36	1.61		
205	-0.100000	0.27	1.61		
205	-0.100000	0.17	1.61		
205	-0.100000	0.08	1.61		

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205	-0.100000	-0.02	1.61		
205	-0.100000	-0.11	1.61		
205	-0.100000	-0.21	1.61		
205	-0.100000	-0.30	1.61		
201	-89.586800	0.65	-2.96	0.75	1.61
203	-89.586800	-0.75	-2.96	0.00	1.61
205	-89.586800	-0.30	-2.96	0.55	1.61
201	-0.100000	0.74	-5.24		
201	-0.100000	0.65	-5.24		
203	-0.100000	0.00	-5.24		
203	-0.100000	-0.09	-5.24		
203	-0.100000	-0.19	-5.24		
203	-0.100000	-0.28	-5.24		
203	-0.100000	-0.38	-5.24		
203	-0.100000	-0.47	-5.24		
203	-0.100000	-0.57	-5.24		
203	-0.100000	-0.66	-5.24		
205	-0.100000	0.55	-5.24		
205	-0.100000	0.46	-5.24		
205	-0.100000	0.36	-5.24		
205	-0.100000	0.27	-5.24		
205	-0.100000	0.17	-5.24		
205	-0.100000	0.08	-5.24		
205	-0.100000	-0.02	-5.24		
205	-0.100000	-0.11	-5.24		
205	-0.100000	-0.21	-5.24		
205	-0.100000	-0.30	-5.24		
170	-0.100000	0.74	-6.92		
170	-0.100000	0.65	-6.92		
172	-0.100000	0.00	-6.92		
172	-0.100000	-0.09	-6.92		
172	-0.100000	-0.19	-6.92		
172	-0.100000	-0.28	-6.92		
172	-0.100000	-0.38	-6.92		
172	-0.100000	-0.47	-6.92		
172	-0.100000	-0.57	-6.92		
172	-0.100000	-0.66	-6.92		
174	-0.100000	0.55	-6.92		
174	-0.100000	0.46	-6.92		
174	-0.100000	0.36	-6.92		
174	-0.100000	0.27	-6.92		
174	-0.100000	0.17	-6.92		
174	-0.100000	0.08	-6.92		
174	-0.100000	-0.02	-6.92		
174	-0.100000	-0.11	-6.92		
174	-0.100000	-0.21	-6.92		
174	-0.100000	-0.30	-6.92		
156	-89.586800	0.65	3.51	0.75	7.50
157	-89.586800	-0.75	3.51	0.00	7.50
170	-89.586800	0.65	-7.50	0.75	-6.92
172	-89.586800	-0.75	-7.50	0.00	-6.92
158	-89.586800	-0.30	3.51	0.55	7.50
174	-89.586800	-0.30	-7.50	0.55	-6.92
156	-0.100000	0.74	1.23		
156	-0.100000	0.65	1.23		
157	-0.100000	0.00	1.23		

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157	-0.100000	-0.09	1.23		
157	-0.100000	-0.19	1.23		
157	-0.100000	-0.28	1.23		
157	-0.100000	-0.38	1.23		
157	-0.100000	-0.47	1.23		
157	-0.100000	-0.57	1.23		
157	-0.100000	-0.66	1.23		
158	-0.100000	0.55	1.23		
158	-0.100000	0.46	1.23		
158	-0.100000	0.36	1.23		
158	-0.100000	0.27	1.23		
158	-0.100000	0.17	1.23		
158	-0.100000	0.08	1.23		
158	-0.100000	-0.02	1.23		
158	-0.100000	-0.11	1.23		
158	-0.100000	-0.21	1.23		
158	-0.100000	-0.30	1.23		
125	-0.100000	0.67	-0.45		
125	-0.100000	0.58	-0.45		
125	-0.100000	0.48	-0.45		
125	-0.100000	0.39	-0.45		
125	-0.100000	0.29	-0.45		
125	-0.100000	0.20	-0.45		
126	-0.100000	-0.45	-0.45		
126	-0.100000	-0.54	-0.45		
126	-0.100000	-0.64	-0.45		
126	-0.100000	-0.73	-0.45		
126	-0.100000	0.75	-0.45		
127	-0.100000	0.10	-0.45		
127	-0.100000	0.01	-0.45		
127	-0.100000	-0.09	-0.45		
127	-0.100000	-0.18	-0.45		
127	-0.100000	-0.28	-0.45		
127	-0.100000	-0.37	-0.45		
127	-0.100000	-0.47	-0.45		
127	-0.100000	-0.56	-0.45		
127	-0.100000	-0.66	-0.45		
125	-89.586800	0.20	-5.02	0.75	-0.45
126	-89.586800	-0.75	-5.02	-0.45	-0.45
127	-89.586800	-0.75	-5.02	0.10	-0.45
125	-0.100000	0.67	-7.30		
125	-0.100000	0.58	-7.30		
125	-0.100000	0.48	-7.30		
125	-0.100000	0.39	-7.30		
125	-0.100000	0.29	-7.30		
125	-0.100000	0.20	-7.30		
126	-0.100000	-0.45	-7.30		
126	-0.100000	-0.54	-7.30		
126	-0.100000	-0.64	-7.30		
126	-0.100000	-0.73	-7.30		
126	-0.100000	0.75	-7.30		
127	-0.100000	0.10	-7.30		
127	-0.100000	0.01	-7.30		
127	-0.100000	-0.09	-7.30		
127	-0.100000	-0.18	-7.30		
127	-0.100000	-0.28	-7.30		

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127	-0.100000	-0.37	-7.30		
127	-0.100000	-0.47	-7.30		
127	-0.100000	-0.56	-7.30		
127	-0.100000	-0.66	-7.30		
77	-0.100000	0.67	-5.49		
77	-0.100000	0.58	-5.49		
77	-0.100000	0.48	-5.49		
77	-0.100000	0.39	-5.49		
77	-0.100000	0.29	-5.49		
77	-0.100000	0.20	-5.49		
79	-0.100000	-0.45	-5.49		
79	-0.100000	-0.54	-5.49		
79	-0.100000	-0.64	-5.49		
79	-0.100000	-0.73	-5.49		
79	-0.100000	0.75	-5.49		
81	-0.100000	0.10	-5.49		
81	-0.100000	0.01	-5.49		
81	-0.100000	-0.09	-5.49		
81	-0.100000	-0.18	-5.49		
81	-0.100000	-0.28	-5.49		
81	-0.100000	-0.37	-5.49		
81	-0.100000	-0.47	-5.49		
81	-0.100000	-0.56	-5.49		
81	-0.100000	-0.66	-5.49		
57	-89.586800	0.20	4.94	0.75	7.50
59	-89.586800	-0.75	4.94	-0.45	7.50
77	-89.586800	0.20	-7.50	0.75	-5.49
79	-89.586800	-0.75	-7.50	-0.45	-5.49
61	-89.586800	-0.75	4.94	0.10	7.50
81	-89.586800	-0.75	-7.50	0.10	-5.49
57	-0.100000	0.67	2.66		
57	-0.100000	0.58	2.66		
57	-0.100000	0.48	2.66		
57	-0.100000	0.39	2.66		
57	-0.100000	0.29	2.66		
57	-0.100000	0.20	2.66		
59	-0.100000	-0.45	2.66		
59	-0.100000	-0.54	2.66		
59	-0.100000	-0.64	2.66		
59	-0.100000	-0.73	2.66		
59	-0.100000	0.75	2.66		
61	-0.100000	0.10	2.66		
61	-0.100000	0.01	2.66		
61	-0.100000	-0.09	2.66		
61	-0.100000	-0.18	2.66		
61	-0.100000	-0.28	2.66		
61	-0.100000	-0.37	2.66		
61	-0.100000	-0.47	2.66		
61	-0.100000	-0.56	2.66		
61	-0.100000	-0.66	2.66		

LOADING 13 IRC: SLS CLASS 70R LOADING B76: FORCE END A: FY -VE

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ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

207	-159.936005	0.10	1.09	0.71	1.50
209	-159.936005	0.66	1.09	0.75	1.50
211	-159.936005	-0.75	1.09	-0.23	1.50
207	-239.904007	0.10	-2.87	0.71	-2.46
209	-239.904007	0.66	-2.87	0.75	-2.46
211	-239.904007	-0.75	-2.87	-0.23	-2.46
207	-239.904007	0.10	-4.39	0.71	-3.98
209	-239.904007	0.66	-4.39	0.75	-3.98
211	-239.904007	-0.75	-4.39	-0.23	-3.98
207	-339.864014	0.10	-6.52	0.71	-6.11
209	-339.864014	0.66	-6.52	0.75	-6.11
211	-339.864014	-0.75	-6.52	-0.23	-6.11
190	-339.864014	0.10	7.11	0.71	7.50
207	-339.864014	0.10	-7.50	0.71	-7.48
191	-339.864014	0.66	7.11	0.75	7.50
192	-339.864014	-0.75	7.11	-0.23	7.50
209	-339.864014	0.66	-7.50	0.75	-7.48
211	-339.864014	-0.75	-7.50	-0.23	-7.48
190	-339.864014	0.10	4.06	0.71	4.47
191	-339.864014	0.66	4.06	0.75	4.47
192	-339.864014	-0.75	4.06	-0.23	4.47
190	-339.864014	0.10	2.69	0.71	3.10
191	-339.864014	0.66	2.69	0.75	3.10
192	-339.864014	-0.75	2.69	-0.23	3.10
83	-159.936005	-0.52	2.35	0.09	2.76
85	-159.936005	0.04	2.35	0.64	2.76
83	-239.904007	-0.52	-1.61	0.09	-1.20
85	-239.904007	0.04	-1.61	0.64	-1.20
83	-239.904007	-0.52	-3.13	0.09	-2.72
85	-239.904007	0.04	-3.13	0.64	-2.72
83	-339.864014	-0.52	-5.26	0.09	-4.85
85	-339.864014	0.04	-5.26	0.64	-4.85
83	-339.864014	-0.52	-6.63	0.09	-6.22
85	-339.864014	0.04	-6.63	0.64	-6.22
63	-339.864014	-0.52	5.32	0.09	5.73
65	-339.864014	0.04	5.32	0.64	5.73
63	-339.864014	-0.52	3.95	0.09	4.36
65	-339.864014	0.04	3.95	0.64	4.36
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49

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77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 14 IRC: SLS CLASS 70R LOADING B76: FORCE END B: FY -VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

207	-159.936005	0.10	1.09	0.71	1.50
209	-159.936005	0.66	1.09	0.75	1.50
211	-159.936005	-0.75	1.09	-0.23	1.50
207	-239.904007	0.10	-2.87	0.71	-2.46
209	-239.904007	0.66	-2.87	0.75	-2.46
211	-239.904007	-0.75	-2.87	-0.23	-2.46
207	-239.904007	0.10	-4.39	0.71	-3.98
209	-239.904007	0.66	-4.39	0.75	-3.98
211	-239.904007	-0.75	-4.39	-0.23	-3.98
207	-339.864014	0.10	-6.52	0.71	-6.11
209	-339.864014	0.66	-6.52	0.75	-6.11
211	-339.864014	-0.75	-6.52	-0.23	-6.11
190	-339.864014	0.10	7.11	0.71	7.50
207	-339.864014	0.10	-7.50	0.71	-7.48
191	-339.864014	0.66	7.11	0.75	7.50
192	-339.864014	-0.75	7.11	-0.23	7.50
209	-339.864014	0.66	-7.50	0.75	-7.48
211	-339.864014	-0.75	-7.50	-0.23	-7.48
190	-339.864014	0.10	4.06	0.71	4.47
191	-339.864014	0.66	4.06	0.75	4.47
192	-339.864014	-0.75	4.06	-0.23	4.47
190	-339.864014	0.10	2.69	0.71	3.10
191	-339.864014	0.66	2.69	0.75	3.10
192	-339.864014	-0.75	2.69	-0.23	3.10
83	-159.936005	-0.52	2.35	0.09	2.76
85	-159.936005	0.04	2.35	0.64	2.76
83	-239.904007	-0.52	-1.61	0.09	-1.20
85	-239.904007	0.04	-1.61	0.64	-1.20
83	-239.904007	-0.52	-3.13	0.09	-2.72
85	-239.904007	0.04	-3.13	0.64	-2.72
83	-339.864014	-0.52	-5.26	0.09	-4.85
85	-339.864014	0.04	-5.26	0.64	-4.85

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83	-339.864014	-0.52	-6.63	0.09	-6.22
85	-339.864014	0.04	-6.63	0.64	-6.22
63	-339.864014	-0.52	5.32	0.09	5.73
65	-339.864014	0.04	5.32	0.64	5.73
63	-339.864014	-0.52	3.95	0.09	4.36
65	-339.864014	0.04	3.95	0.64	4.36
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49
77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 15 IRC: SLS CLASS 70R LOADING B50: FORCE END A: FZ +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

192	-159.936005	0.46	-1.32	0.75	-0.91
193	-159.936005	-0.75	-1.32	-0.44	-0.91
195	-159.936005	-0.49	-1.32	0.12	-0.91
192	-239.904007	0.46	2.64	0.75	3.05
193	-239.904007	-0.75	2.64	-0.44	3.05
195	-239.904007	-0.49	2.64	0.12	3.05
192	-239.904007	0.46	4.16	0.75	4.57
193	-239.904007	-0.75	4.16	-0.44	4.57
195	-239.904007	-0.49	4.16	0.12	4.57
192	-339.864014	0.46	6.29	0.75	6.70
193	-339.864014	-0.75	6.29	-0.44	6.70
195	-339.864014	-0.49	6.29	0.12	6.70
211	-339.864014	0.46	-7.34	0.75	-6.93
213	-339.864014	-0.75	-7.34	-0.44	-6.93
214	-339.864014	-0.49	-7.34	0.12	-6.93

STAAD SPACE

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211	-339.864014	0.46	-4.29	0.75	-3.88
213	-339.864014	-0.75	-4.29	-0.44	-3.88
214	-339.864014	-0.49	-4.29	0.12	-3.88
211	-339.864014	0.46	-2.92	0.75	-2.51
213	-339.864014	-0.75	-2.92	-0.44	-2.51
214	-339.864014	-0.49	-2.92	0.12	-2.51
67	-159.936005	0.46	-1.06	0.75	-0.65
69	-159.936005	-0.75	-1.06	-0.44	-0.65
71	-159.936005	-0.49	-1.06	0.12	-0.65
67	-239.904007	0.46	2.90	0.75	3.31
69	-239.904007	-0.75	2.90	-0.44	3.31
71	-239.904007	-0.49	2.90	0.12	3.31
67	-239.904007	0.46	4.42	0.75	4.83
69	-239.904007	-0.75	4.42	-0.44	4.83
71	-239.904007	-0.49	4.42	0.12	4.83
67	-339.864014	0.46	6.55	0.75	6.96
69	-339.864014	-0.75	6.55	-0.44	6.96
71	-339.864014	-0.49	6.55	0.12	6.96
87	-339.864014	0.46	-7.08	0.75	-6.67
89	-339.864014	-0.75	-7.08	-0.44	-6.67
90	-339.864014	-0.49	-7.08	0.12	-6.67
87	-339.864014	0.46	-4.03	0.75	-3.62
89	-339.864014	-0.75	-4.03	-0.44	-3.62
90	-339.864014	-0.49	-4.03	0.12	-3.62
87	-339.864014	0.46	-2.66	0.75	-2.25
89	-339.864014	-0.75	-2.66	-0.44	-2.25
90	-339.864014	-0.49	-2.66	0.12	-2.25
188	-159.936005	-0.64	-1.32	-0.04	-0.91
189	-159.936005	-0.09	-1.32	0.52	-0.91
188	-239.904007	-0.64	2.64	-0.04	3.05
189	-239.904007	-0.09	2.64	0.52	3.05
188	-239.904007	-0.64	4.16	-0.04	4.57
189	-239.904007	-0.09	4.16	0.52	4.57
188	-339.864014	-0.64	6.29	-0.04	6.70
189	-339.864014	-0.09	6.29	0.52	6.70
203	-339.864014	-0.64	-7.34	-0.04	-6.93
205	-339.864014	-0.09	-7.34	0.52	-6.93
203	-339.864014	-0.64	-4.29	-0.04	-3.88
205	-339.864014	-0.09	-4.29	0.52	-3.88
203	-339.864014	-0.64	-2.92	-0.04	-2.51
205	-339.864014	-0.09	-2.92	0.52	-2.51
59	-159.936005	-0.64	-1.06	-0.04	-0.65
61	-159.936005	-0.09	-1.06	0.52	-0.65
59	-239.904007	-0.64	2.90	-0.04	3.31
61	-239.904007	-0.09	2.90	0.52	3.31
59	-239.904007	-0.64	4.42	-0.04	4.83
61	-239.904007	-0.09	4.42	0.52	4.83
59	-339.864014	-0.64	6.55	-0.04	6.96
61	-339.864014	-0.09	6.55	0.52	6.96
79	-339.864014	-0.64	-7.08	-0.04	-6.67
81	-339.864014	-0.09	-7.08	0.52	-6.67
79	-339.864014	-0.64	-4.03	-0.04	-3.62
81	-339.864014	-0.09	-4.03	0.52	-3.62
79	-339.864014	-0.64	-2.66	-0.04	-2.25
81	-339.864014	-0.09	-2.66	0.52	-2.25

STAAD SPACE

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LOADING 16 IRC: SLS CLASS 70R LOADING B50: FORCE END B: FZ +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT	PRESSURE				
192	-159.936005	0.46	-1.32	0.75	-0.91
193	-159.936005	-0.75	-1.32	-0.44	-0.91
195	-159.936005	-0.49	-1.32	0.12	-0.91
192	-239.904007	0.46	2.64	0.75	3.05
193	-239.904007	-0.75	2.64	-0.44	3.05
195	-239.904007	-0.49	2.64	0.12	3.05
192	-239.904007	0.46	4.16	0.75	4.57
193	-239.904007	-0.75	4.16	-0.44	4.57
195	-239.904007	-0.49	4.16	0.12	4.57
192	-339.864014	0.46	6.29	0.75	6.70
193	-339.864014	-0.75	6.29	-0.44	6.70
195	-339.864014	-0.49	6.29	0.12	6.70
211	-339.864014	0.46	-7.34	0.75	-6.93
213	-339.864014	-0.75	-7.34	-0.44	-6.93
214	-339.864014	-0.49	-7.34	0.12	-6.93
211	-339.864014	0.46	-4.29	0.75	-3.88
213	-339.864014	-0.75	-4.29	-0.44	-3.88
214	-339.864014	-0.49	-4.29	0.12	-3.88
211	-339.864014	0.46	-2.92	0.75	-2.51
213	-339.864014	-0.75	-2.92	-0.44	-2.51
214	-339.864014	-0.49	-2.92	0.12	-2.51
67	-159.936005	0.46	-1.06	0.75	-0.65
69	-159.936005	-0.75	-1.06	-0.44	-0.65
71	-159.936005	-0.49	-1.06	0.12	-0.65
67	-239.904007	0.46	2.90	0.75	3.31
69	-239.904007	-0.75	2.90	-0.44	3.31
71	-239.904007	-0.49	2.90	0.12	3.31
67	-239.904007	0.46	4.42	0.75	4.83
69	-239.904007	-0.75	4.42	-0.44	4.83
71	-239.904007	-0.49	4.42	0.12	4.83
67	-339.864014	0.46	6.55	0.75	6.96
69	-339.864014	-0.75	6.55	-0.44	6.96
71	-339.864014	-0.49	6.55	0.12	6.96
87	-339.864014	0.46	-7.08	0.75	-6.67
89	-339.864014	-0.75	-7.08	-0.44	-6.67
90	-339.864014	-0.49	-7.08	0.12	-6.67
87	-339.864014	0.46	-4.03	0.75	-3.62
89	-339.864014	-0.75	-4.03	-0.44	-3.62
90	-339.864014	-0.49	-4.03	0.12	-3.62
87	-339.864014	0.46	-2.66	0.75	-2.25
89	-339.864014	-0.75	-2.66	-0.44	-2.25
90	-339.864014	-0.49	-2.66	0.12	-2.25
188	-159.936005	-0.64	-1.32	-0.04	-0.91
189	-159.936005	-0.09	-1.32	0.52	-0.91
188	-239.904007	-0.64	2.64	-0.04	3.05

STAAD SPACE

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189	-239.904007	-0.09	2.64	0.52	3.05
188	-239.904007	-0.64	4.16	-0.04	4.57
189	-239.904007	-0.09	4.16	0.52	4.57
188	-339.864014	-0.64	6.29	-0.04	6.70
189	-339.864014	-0.09	6.29	0.52	6.70
203	-339.864014	-0.64	-7.34	-0.04	-6.93
205	-339.864014	-0.09	-7.34	0.52	-6.93
203	-339.864014	-0.64	-4.29	-0.04	-3.88
205	-339.864014	-0.09	-4.29	0.52	-3.88
203	-339.864014	-0.64	-2.92	-0.04	-2.51
205	-339.864014	-0.09	-2.92	0.52	-2.51
59	-159.936005	-0.64	-1.06	-0.04	-0.65
61	-159.936005	-0.09	-1.06	0.52	-0.65
59	-239.904007	-0.64	2.90	-0.04	3.31
61	-239.904007	-0.09	2.90	0.52	3.31
59	-239.904007	-0.64	4.42	-0.04	4.83
61	-239.904007	-0.09	4.42	0.52	4.83
59	-339.864014	-0.64	6.55	-0.04	6.96
61	-339.864014	-0.09	6.55	0.52	6.96
79	-339.864014	-0.64	-7.08	-0.04	-6.67
81	-339.864014	-0.09	-7.08	0.52	-6.67
79	-339.864014	-0.64	-4.03	-0.04	-3.62
81	-339.864014	-0.09	-4.03	0.52	-3.62
79	-339.864014	-0.64	-2.66	-0.04	-2.25
81	-339.864014	-0.09	-2.66	0.52	-2.25

LOADING 17 IRC: SLS CLASS 70R LOADING B40: FORCE END A: FZ -VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-159.936005	0.46	0.58	0.75	1.00
213	-159.936005	-0.75	0.58	-0.44	1.00
214	-159.936005	-0.49	0.58	0.12	1.00
211	-239.904007	0.46	-3.38	0.75	-2.96
213	-239.904007	-0.75	-3.38	-0.44	-2.96
214	-239.904007	-0.49	-3.38	0.12	-2.96
211	-239.904007	0.46	-4.89	0.75	-4.49
213	-239.904007	-0.75	-4.89	-0.44	-4.49
214	-239.904007	-0.49	-4.89	0.12	-4.49
211	-339.864014	0.46	-7.03	0.75	-6.61
213	-339.864014	-0.75	-7.03	-0.44	-6.61
214	-339.864014	-0.49	-7.03	0.12	-6.61
192	-339.864014	0.46	6.61	0.75	7.01
193	-339.864014	-0.75	6.61	-0.44	7.01
195	-339.864014	-0.49	6.61	0.12	7.01
192	-339.864014	0.46	3.56	0.75	3.96
193	-339.864014	-0.75	3.56	-0.44	3.96
195	-339.864014	-0.49	3.56	0.12	3.96
192	-339.864014	0.45	2.18	0.75	2.60
193	-339.864014	-0.75	2.18	-0.44	2.60

STAAD SPACE

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195	-339.864014	-0.49	2.18	0.12	2.60
87	-159.936005	0.46	0.84	0.75	1.25
89	-159.936005	-0.75	0.84	-0.44	1.25
90	-159.936005	-0.49	0.84	0.12	1.25
87	-239.904007	0.46	-3.12	0.75	-2.71
89	-239.904007	-0.75	-3.12	-0.44	-2.71
90	-239.904007	-0.49	-3.12	0.12	-2.71
87	-239.904007	0.46	-4.64	0.75	-4.23
89	-239.904007	-0.75	-4.64	-0.44	-4.23
90	-239.904007	-0.49	-4.64	0.12	-4.23
87	-339.864014	0.46	-6.77	0.75	-6.36
89	-339.864014	-0.75	-6.77	-0.44	-6.36
90	-339.864014	-0.49	-6.77	0.12	-6.36
67	-339.864014	0.46	6.86	0.75	7.27
69	-339.864014	-0.75	6.86	-0.44	7.27
71	-339.864014	-0.49	6.86	0.12	7.27
67	-339.864014	0.46	3.81	0.75	4.22
69	-339.864014	-0.75	3.81	-0.44	4.22
71	-339.864014	-0.49	3.81	0.12	4.22
67	-339.864014	0.46	2.44	0.75	2.85
69	-339.864014	-0.75	2.44	-0.44	2.85
71	-339.864014	-0.49	2.44	0.12	2.85
203	-159.936005	-0.65	0.58	-0.04	1.00
205	-159.936005	-0.09	0.58	0.52	1.00
203	-239.904007	-0.65	-3.38	-0.04	-2.96
205	-239.904007	-0.09	-3.38	0.52	-2.96
203	-239.904007	-0.65	-4.89	-0.04	-4.49
205	-239.904007	-0.09	-4.89	0.52	-4.49
203	-339.864014	-0.65	-7.03	-0.04	-6.61
205	-339.864014	-0.09	-7.03	0.52	-6.61
188	-339.864014	-0.65	6.61	-0.04	7.01
189	-339.864014	-0.09	6.61	0.52	7.01
188	-339.864014	-0.65	3.56	-0.04	3.96
189	-339.864014	-0.09	3.56	0.52	3.96
188	-339.864014	-0.65	2.18	-0.04	2.60
189	-339.864014	-0.09	2.18	0.52	2.60
79	-159.936005	-0.64	0.84	-0.04	1.25
81	-159.936005	-0.09	0.84	0.52	1.25
79	-239.904007	-0.64	-3.12	-0.04	-2.71
81	-239.904007	-0.09	-3.12	0.52	-2.71
79	-239.904007	-0.64	-4.64	-0.04	-4.23
81	-239.904007	-0.09	-4.64	0.52	-4.23
79	-339.864014	-0.64	-6.77	-0.04	-6.36
81	-339.864014	-0.09	-6.77	0.52	-6.36
59	-339.864014	-0.64	6.86	-0.04	7.27
61	-339.864014	-0.09	6.86	0.52	7.27
59	-339.864014	-0.64	3.81	-0.04	4.22
61	-339.864014	-0.09	3.81	0.52	4.22
59	-339.864014	-0.64	2.44	-0.04	2.85
61	-339.864014	-0.09	2.44	0.52	2.85

LOADING 18 IRC: SLS CLASS 70R LOADING B40: FORCE END B: FZ -VE

STAAD SPACE

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ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-159.936005	0.46	0.58	0.75	1.00
213	-159.936005	-0.75	0.58	-0.44	1.00
214	-159.936005	-0.49	0.58	0.12	1.00
211	-239.904007	0.46	-3.38	0.75	-2.96
213	-239.904007	-0.75	-3.38	-0.44	-2.96
214	-239.904007	-0.49	-3.38	0.12	-2.96
211	-239.904007	0.46	-4.89	0.75	-4.49
213	-239.904007	-0.75	-4.89	-0.44	-4.49
214	-239.904007	-0.49	-4.89	0.12	-4.49
211	-339.864014	0.46	-7.03	0.75	-6.61
213	-339.864014	-0.75	-7.03	-0.44	-6.61
214	-339.864014	-0.49	-7.03	0.12	-6.61
192	-339.864014	0.46	6.61	0.75	7.01
193	-339.864014	-0.75	6.61	-0.44	7.01
195	-339.864014	-0.49	6.61	0.12	7.01
192	-339.864014	0.46	3.56	0.75	3.96
193	-339.864014	-0.75	3.56	-0.44	3.96
195	-339.864014	-0.49	3.56	0.12	3.96
192	-339.864014	0.45	2.18	0.75	2.60
193	-339.864014	-0.75	2.18	-0.44	2.60
195	-339.864014	-0.49	2.18	0.12	2.60
87	-159.936005	0.46	0.84	0.75	1.25
89	-159.936005	-0.75	0.84	-0.44	1.25
90	-159.936005	-0.49	0.84	0.12	1.25
87	-239.904007	0.46	-3.12	0.75	-2.71
89	-239.904007	-0.75	-3.12	-0.44	-2.71
90	-239.904007	-0.49	-3.12	0.12	-2.71
87	-239.904007	0.46	-4.64	0.75	-4.23
89	-239.904007	-0.75	-4.64	-0.44	-4.23
90	-239.904007	-0.49	-4.64	0.12	-4.23
87	-339.864014	0.46	-6.77	0.75	-6.36
89	-339.864014	-0.75	-6.77	-0.44	-6.36
90	-339.864014	-0.49	-6.77	0.12	-6.36
67	-339.864014	0.46	6.86	0.75	7.27
69	-339.864014	-0.75	6.86	-0.44	7.27
71	-339.864014	-0.49	6.86	0.12	7.27
67	-339.864014	0.46	3.81	0.75	4.22
69	-339.864014	-0.75	3.81	-0.44	4.22
71	-339.864014	-0.49	3.81	0.12	4.22
67	-339.864014	0.46	2.44	0.75	2.85
69	-339.864014	-0.75	2.44	-0.44	2.85
71	-339.864014	-0.49	2.44	0.12	2.85
203	-159.936005	-0.65	0.58	-0.04	1.00
205	-159.936005	-0.09	0.58	0.52	1.00
203	-239.904007	-0.65	-3.38	-0.04	-2.96
205	-239.904007	-0.09	-3.38	0.52	-2.96
203	-239.904007	-0.65	-4.89	-0.04	-4.49
205	-239.904007	-0.09	-4.89	0.52	-4.49
203	-339.864014	-0.65	-7.03	-0.04	-6.61

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205	-339.864014	-0.09	-7.03	0.52	-6.61
188	-339.864014	-0.65	6.61	-0.04	7.01
189	-339.864014	-0.09	6.61	0.52	7.01
188	-339.864014	-0.65	3.56	-0.04	3.96
189	-339.864014	-0.09	3.56	0.52	3.96
188	-339.864014	-0.65	2.18	-0.04	2.60
189	-339.864014	-0.09	2.18	0.52	2.60
79	-159.936005	-0.64	0.84	-0.04	1.25
81	-159.936005	-0.09	0.84	0.52	1.25
79	-239.904007	-0.64	-3.12	-0.04	-2.71
81	-239.904007	-0.09	-3.12	0.52	-2.71
79	-239.904007	-0.64	-4.64	-0.04	-4.23
81	-239.904007	-0.09	-4.64	0.52	-4.23
79	-339.864014	-0.64	-6.77	-0.04	-6.36
81	-339.864014	-0.09	-6.77	0.52	-6.36
59	-339.864014	-0.64	6.86	-0.04	7.27
61	-339.864014	-0.09	6.86	0.52	7.27
59	-339.864014	-0.64	3.81	-0.04	4.22
61	-339.864014	-0.09	3.81	0.52	4.22
59	-339.864014	-0.64	2.44	-0.04	2.85
61	-339.864014	-0.09	2.44	0.52	2.85

LOADING 19 IRC: SLS CLASS 70R LOADING N28: REACT FX +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-159.936005	0.46	-6.80	0.75	-6.39
213	-159.936005	-0.75	-6.80	-0.44	-6.39
214	-159.936005	-0.49	-6.80	0.12	-6.39
211	-239.904007	0.46	-2.84	0.75	-2.43
213	-239.904007	-0.75	-2.84	-0.44	-2.43
214	-239.904007	-0.49	-2.84	0.12	-2.43
211	-239.904007	0.46	-1.32	0.75	-0.91
213	-239.904007	-0.75	-1.32	-0.44	-0.91
214	-239.904007	-0.49	-1.32	0.12	-0.91
211	-339.864014	0.46	0.81	0.75	1.22
213	-339.864014	-0.75	0.81	-0.44	1.22
214	-339.864014	-0.49	0.81	0.12	1.22
211	-339.864014	0.46	2.18	0.75	2.59
213	-339.864014	-0.75	2.18	-0.44	2.59
214	-339.864014	-0.49	2.18	0.12	2.59
211	-339.864014	0.46	5.23	0.75	5.64
213	-339.864014	-0.75	5.23	-0.44	5.64
214	-339.864014	-0.49	5.23	0.12	5.64
211	-339.864014	0.46	6.60	0.75	7.01
213	-339.864014	-0.75	6.60	-0.44	7.01
214	-339.864014	-0.49	6.60	0.12	7.01
87	-159.936005	0.46	-1.03	0.75	-0.62
89	-159.936005	-0.75	-1.03	-0.44	-0.62
90	-159.936005	-0.49	-1.03	0.12	-0.62

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87	-239.904007	0.46	2.93	0.75	3.34
89	-239.904007	-0.75	2.93	-0.44	3.34
90	-239.904007	-0.49	2.93	0.12	3.34
87	-239.904007	0.46	4.45	0.75	4.86
89	-239.904007	-0.75	4.45	-0.44	4.86
90	-239.904007	-0.49	4.45	0.12	4.86
87	-339.864014	0.46	6.58	0.75	6.99
89	-339.864014	-0.75	6.58	-0.44	6.99
90	-339.864014	-0.49	6.58	0.12	6.99
99	-339.864014	0.46	-7.05	0.75	-6.64
100	-339.864014	-0.75	-7.05	-0.44	-6.64
102	-339.864014	-0.49	-7.05	0.12	-6.64
99	-339.864014	0.46	-4.00	0.75	-3.59
100	-339.864014	-0.75	-4.00	-0.44	-3.59
102	-339.864014	-0.49	-4.00	0.12	-3.59
99	-339.864014	0.46	-2.63	0.75	-2.22
100	-339.864014	-0.75	-2.63	-0.44	-2.22
102	-339.864014	-0.49	-2.63	0.12	-2.22
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49
77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 20 IRC: SLS CLASS 70R LOADING N27: REACT FY +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

190	-159.936005	0.10	7.20	0.71	7.50
207	-159.936005	0.10	-7.50	0.71	-7.39
191	-159.936005	0.67	7.20	0.75	7.50

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192	-159.936005	-0.75	7.20	-0.23	7.50
209	-159.936005	0.67	-7.50	0.75	-7.39
211	-159.936005	-0.75	-7.50	-0.23	-7.39
207	-239.904007	0.10	-3.85	0.71	-3.43
209	-239.904007	0.67	-3.85	0.75	-3.43
211	-239.904007	-0.75	-3.85	-0.23	-3.43
207	-239.904007	0.10	-2.33	0.71	-1.91
209	-239.904007	0.67	-2.33	0.75	-1.91
211	-239.904007	-0.75	-2.33	-0.23	-1.91
207	-339.864014	0.10	-0.19	0.71	0.22
209	-339.864014	0.67	-0.19	0.75	0.22
211	-339.864014	-0.75	-0.19	-0.23	0.22
207	-339.864014	0.10	1.17	0.71	1.59
209	-339.864014	0.67	1.17	0.75	1.59
211	-339.864014	-0.75	1.17	-0.23	1.59
207	-339.864014	0.10	4.22	0.71	4.64
209	-339.864014	0.67	4.22	0.75	4.64
211	-339.864014	-0.75	4.22	-0.23	4.64
207	-339.864014	0.10	5.59	0.71	6.01
209	-339.864014	0.67	5.59	0.75	6.01
211	-339.864014	-0.75	5.59	-0.23	6.01
83	-159.936005	-0.52	-3.04	0.09	-2.63
85	-159.936005	0.04	-3.04	0.64	-2.63
83	-239.904007	-0.52	0.92	0.09	1.33
85	-239.904007	0.04	0.92	0.64	1.33
83	-239.904007	-0.52	2.44	0.09	2.85
85	-239.904007	0.04	2.44	0.64	2.85
83	-339.864014	-0.52	4.57	0.09	4.98
85	-339.864014	0.04	4.57	0.64	4.98
83	-339.864014	-0.52	5.94	0.09	6.35
85	-339.864014	0.04	5.94	0.64	6.35
97	-339.864014	-0.52	-6.01	0.09	-5.60
98	-339.864014	0.04	-6.01	0.64	-5.60
97	-339.864014	-0.52	-4.64	0.09	-4.23
98	-339.864014	0.04	-4.64	0.64	-4.23
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49
77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09

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92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 21 IRC: SLS CLASS 70R LOADING N26: REACT FZ +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-159.936005	0.46	0.58	0.75	1.00
213	-159.936005	-0.75	0.58	-0.44	1.00
214	-159.936005	-0.49	0.58	0.12	1.00
211	-239.904007	0.46	-3.38	0.75	-2.96
213	-239.904007	-0.75	-3.38	-0.44	-2.96
214	-239.904007	-0.49	-3.38	0.12	-2.96
211	-239.904007	0.46	-4.89	0.75	-4.49
213	-239.904007	-0.75	-4.89	-0.44	-4.49
214	-239.904007	-0.49	-4.89	0.12	-4.49
211	-339.864014	0.46	-7.03	0.75	-6.61
213	-339.864014	-0.75	-7.03	-0.44	-6.61
214	-339.864014	-0.49	-7.03	0.12	-6.61
192	-339.864014	0.46	6.61	0.75	7.01
193	-339.864014	-0.75	6.61	-0.44	7.01
195	-339.864014	-0.49	6.61	0.12	7.01
192	-339.864014	0.46	3.56	0.75	3.96
193	-339.864014	-0.75	3.56	-0.44	3.96
195	-339.864014	-0.49	3.56	0.12	3.96
192	-339.864014	0.45	2.18	0.75	2.60
193	-339.864014	-0.75	2.18	-0.44	2.60
195	-339.864014	-0.49	2.18	0.12	2.60
87	-159.936005	0.46	0.84	0.75	1.25
89	-159.936005	-0.75	0.84	-0.44	1.25
90	-159.936005	-0.49	0.84	0.12	1.25
87	-239.904007	0.46	-3.12	0.75	-2.71
89	-239.904007	-0.75	-3.12	-0.44	-2.71
90	-239.904007	-0.49	-3.12	0.12	-2.71
87	-239.904007	0.46	-4.64	0.75	-4.23
89	-239.904007	-0.75	-4.64	-0.44	-4.23
90	-239.904007	-0.49	-4.64	0.12	-4.23
87	-339.864014	0.46	-6.77	0.75	-6.36
89	-339.864014	-0.75	-6.77	-0.44	-6.36
90	-339.864014	-0.49	-6.77	0.12	-6.36
67	-339.864014	0.46	6.86	0.75	7.27
69	-339.864014	-0.75	6.86	-0.44	7.27
71	-339.864014	-0.49	6.86	0.12	7.27
67	-339.864014	0.46	3.81	0.75	4.22
69	-339.864014	-0.75	3.81	-0.44	4.22
71	-339.864014	-0.49	3.81	0.12	4.22
67	-339.864014	0.46	2.44	0.75	2.85
69	-339.864014	-0.75	2.44	-0.44	2.85
71	-339.864014	-0.49	2.44	0.12	2.85

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203	-159.936005	-0.65	0.58	-0.04	1.00
205	-159.936005	-0.09	0.58	0.52	1.00
203	-239.904007	-0.65	-3.38	-0.04	-2.96
205	-239.904007	-0.09	-3.38	0.52	-2.96
203	-239.904007	-0.65	-4.89	-0.04	-4.49
205	-239.904007	-0.09	-4.89	0.52	-4.49
203	-339.864014	-0.65	-7.03	-0.04	-6.61
205	-339.864014	-0.09	-7.03	0.52	-6.61
188	-339.864014	-0.65	6.61	-0.04	7.01
189	-339.864014	-0.09	6.61	0.52	7.01
188	-339.864014	-0.65	3.56	-0.04	3.96
189	-339.864014	-0.09	3.56	0.52	3.96
188	-339.864014	-0.65	2.18	-0.04	2.60
189	-339.864014	-0.09	2.18	0.52	2.60
79	-159.936005	-0.64	0.84	-0.04	1.25
81	-159.936005	-0.09	0.84	0.52	1.25
79	-239.904007	-0.64	-3.12	-0.04	-2.71
81	-239.904007	-0.09	-3.12	0.52	-2.71
79	-239.904007	-0.64	-4.64	-0.04	-4.23
81	-239.904007	-0.09	-4.64	0.52	-4.23
79	-339.864014	-0.64	-6.77	-0.04	-6.36
81	-339.864014	-0.09	-6.77	0.52	-6.36
59	-339.864014	-0.64	6.86	-0.04	7.27
61	-339.864014	-0.09	6.86	0.52	7.27
59	-339.864014	-0.64	3.81	-0.04	4.22
61	-339.864014	-0.09	3.81	0.52	4.22
59	-339.864014	-0.64	2.44	-0.04	2.85
61	-339.864014	-0.09	2.44	0.52	2.85

FOR LOADING - 1

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00000E+00	-2.34143E+02	0.00000E+00	4.41780E+02	0.00000E+00	-4.41780E+00
2	0.00000E+00	-6.20916E+02	0.00000E+00	1.76712E+03	0.00000E+00	-1.47260E+00
3	0.00000E+00	-6.20916E+02	0.00000E+00	1.76712E+03	0.00000E+00	1.47260E+00
4	0.00000E+00	-2.34143E+02	0.00000E+00	4.41780E+02	0.00000E+00	4.41780E+00
5	0.00000E+00	-4.50616E+02	0.00000E+00	-8.27526E-05	0.00000E+00	-4.41780E+00
6	0.00000E+00	-9.74340E+02	0.00000E+00	0.00000E+00	0.00000E+00	-1.47260E+00
7	0.00000E+00	-9.74340E+02	0.00000E+00	0.00000E+00	0.00000E+00	1.47260E+00
8	0.00000E+00	-4.50616E+02	0.00000E+00	-8.27526E-05	0.00000E+00	4.41780E+00
9	0.00000E+00	-4.50616E+02	0.00000E+00	-3.58594E-04	0.00000E+00	-4.41780E+00
10	0.00000E+00	-9.74340E+02	0.00000E+00	-3.31010E-04	0.00000E+00	-1.47260E+00
11	0.00000E+00	-9.74340E+02	0.00000E+00	-3.31010E-04	0.00000E+00	1.47260E+00
12	0.00000E+00	-4.50616E+02	0.00000E+00	-3.58594E-04	0.00000E+00	4.41780E+00
13	0.00000E+00	-4.50616E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.41780E+00
14	0.00000E+00	-9.74340E+02	0.00000E+00	6.62020E-04	0.00000E+00	-1.47260E+00
15	0.00000E+00	-9.74340E+02	0.00000E+00	6.62020E-04	0.00000E+00	1.47260E+00
16	0.00000E+00	-4.50616E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.41780E+00
17	0.00000E+00	-4.50615E+02	0.00000E+00	-7.17189E-04	0.00000E+00	-4.41780E+00
18	0.00000E+00	-9.74340E+02	0.00000E+00	-1.43438E-03	0.00000E+00	-1.47260E+00
19	0.00000E+00	-9.74340E+02	0.00000E+00	-1.43438E-03	0.00000E+00	1.47260E+00
20	0.00000E+00	-4.50615E+02	0.00000E+00	-7.17189E-04	0.00000E+00	4.41780E+00
21	0.00000E+00	-2.34143E+02	0.00000E+00	-4.41780E+02	0.00000E+00	-4.41780E+00
22	0.00000E+00	-6.20916E+02	0.00000E+00	-1.76712E+03	0.00000E+00	-1.47260E+00
23	0.00000E+00	-6.20916E+02	0.00000E+00	-1.76712E+03	0.00000E+00	1.47260E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
24	0.00000E+00	-2.34143E+02	0.00000E+00	-4.41780E+02	0.00000E+00	4.41780E+00
25	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-4.32944E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
41	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-1.03082E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
43	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-1.08972E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
45	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
47	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-1.08972E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
49	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-1.03082E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
51	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
53	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06
55	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-4.32944E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
59	0.00000E+00	-1.82603E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
60	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
61	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
62	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
63	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
64	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
65	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06
66	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-4.32944E+02	0.00000E+00	1.65505E-04	0.00000E+00	0.00000E+00
68	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
72	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-4.32944E+02	0.00000E+00	1.65505E-04	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
77	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
78	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
79	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
80	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
81	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
82	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
83	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
84	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
85	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06
86	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-4.32944E+02	0.00000E+00	3.58594E-04	0.00000E+00	0.00000E+00
88	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
90	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
92	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-4.32944E+02	0.00000E+00	3.58594E-04	0.00000E+00	0.00000E+00
97	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
99	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
100	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
101	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
102	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
103	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
104	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
105	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06
106	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
107	0.00000E+00	-4.32944E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
112	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-4.32944E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
119	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
120	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
121	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
122	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
123	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
124	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
125	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06
126	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
127	0.00000E+00	-4.32944E+02	0.00000E+00	7.17189E-04	0.00000E+00	0.00000E+00
128	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
130	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-4.32944E+02	0.00000E+00	7.17189E-04	0.00000E+00	0.00000E+00
137	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
139	0.00000E+00	-1.03082E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
140	0.00000E+00	-1.08972E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
141	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
142	0.00000E+00	-1.08972E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
143	0.00000E+00	-1.03082E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
144	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
145	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 1
LOADTYPE DEAD TITLE DEAD

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
(FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.750000029E+01
Y = -0.942786829E+00
Z = 0.749999999E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 1)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -38157.28
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= 2861796.12 MY= 0.00 MZ= -286179.62

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 1)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = 38157.28
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= -2861796.12 MY= 0.00 MZ= 286179.62

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MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 1)
 MAXIMUMS AT NODE
 X = -1.17924E-03 6
 Y = -5.38676E+00 39
 Z = 2.99513E-02 3
 RX= 5.29790E-03 1
 RY= 7.34249E-06 52
 RZ= -6.75343E-03 20

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 128.98	-249.82 -1824.37	0.00 -362.95	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -128.98	-249.82 -1824.37	0.00 -362.95	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 238.28	-249.82 -3548.21	0.00 52.07	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -238.28	-249.82 -3548.21	0.00 52.07	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 232.27	-249.82 -3417.28	0.00 -7.77	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -232.27	-249.82 -3417.28	0.00 -7.77	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 232.27	-249.82 -3417.28	0.00 7.77	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 -232.27	-249.82 -3417.28	0.00 7.77	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 238.28	-249.82 -3548.21	0.00 -52.07	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -238.28	-249.82 -3548.21	0.00 -52.07	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 128.98	-249.82 -1824.37	0.00 362.95	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -128.98	-249.82 -1824.37	0.00 362.95	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 2

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00000E+00	-9.70224E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-7.04343E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	-8.79103E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-1.38389E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-5.56200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.90615E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	-1.60306E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-1.98062E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-1.19926E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

63	0.00000E+00	-2.18147E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-1.89916E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-1.62683E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
73	0.00000E+00	-1.25141E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-1.08926E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-9.33120E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-4.03990E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0.00000E+00	-2.72334E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-2.37025E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-2.03054E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-3.11752E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-2.71412E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-2.32492E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-1.00658E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-4.30243E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-3.72820E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-3.19802E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-1.71003E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-1.48875E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-1.27527E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-5.52132E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-1.72286E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-1.49967E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-1.28469E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-8.70387E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-6.90003E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-6.07791E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-2.60513E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-9.70961E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-7.69733E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-6.78021E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 2

IRC: SLS CLASS 70R LOADING N19: DISP X +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
(FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.122241345E+02
Y = 0.000000000E+00
Z = 0.699417259E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 2)

SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -2229.03
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 155901.91 MY= 0.00 MZ= -27247.91

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 2)

SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = 2229.03
SUMMATION FORCE-Z = 0.00

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SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -155901.91 MY= 0.00 MZ= 27247.91

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 2)

	MAXIMUMS	AT NODE
X =	3.00465E-01	15
Y =	-1.81994E+00	96
Z =	2.25720E-02	1
RX=	6.31015E-04	12
RY=	2.38792E-05	42
RZ=	-2.28262E-03	93

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 30.65	0.00 -122.96	0.00 0.82	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 3.16	0.00 11.33	0.00 0.58	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 21.50	0.00 208.41	0.00 -8.26	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -39.51	0.00 -764.34	0.00 -16.91	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 18.29	0.00 289.49	0.00 -21.76	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -36.32	0.00 -817.02	0.00 -33.24	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 19.01	0.00 298.61	0.00 16.82	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 -35.56	0.00 -838.07	0.00 25.32	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 21.57	0.00 236.64	0.00 17.05	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -31.29	0.00 -741.64	0.00 27.40	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 15.38	0.00 81.34	0.00 -4.00	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 13.12	0.00 -70.81	0.00 -3.83	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 3

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-1.48749E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.62296E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-4.95433E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
55	0.00000E+00	-3.71880E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-2.09596E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-1.86150E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-3.51606E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-2.63921E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-2.53928E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-4.79626E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-3.60015E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-2.02909E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 3
 IRC: SLS CLASS 70R LOADING N61: DISP Y +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.745749861E+01
 Y = 0.000000000E+00
 Z = 0.296967061E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 3)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 59393.40 MY= 0.00 MZ= -14915.00

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 3)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 2000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -59393.40 MY= 0.00 MZ= 14915.00

STAAD SPACE

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MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 3)
 MAXIMUMS AT NODE
 X = -1.11033E-02 2
 Y = -1.06025E+00 5
 Z = 3.42505E-02 1
 RX= 7.11723E-04 1
 RY= 2.36368E-06 43
 RZ= 2.35385E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 11.07	0.00 -64.35	0.00 -26.07	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -11.13	0.00 -42.46	0.00 -23.79	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 97.36	0.00 -912.97	0.00 7.27	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -96.34	0.00 -888.00	0.00 5.19	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.15	0.00 -43.81	0.00 16.03	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -12.42	0.00 -58.00	0.00 17.01	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 -0.44	0.00 4.21	0.00 -0.60	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 0.37	0.00 7.98	0.00 -0.90	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 0.12	0.00 -0.08	0.00 1.95	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -0.07	0.00 -1.18	0.00 1.99	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 0.15	0.00 0.00	0.00 0.98	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 0.17	0.00 -1.33	0.00 0.93	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 4

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	-2.11459E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.00970E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-5.38983E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.81813E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-4.64811E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.43031E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-4.79645E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.50788E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.64627E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

51	0.00000E+00	-1.86160E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.99835E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51624E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
54	0.00000E+00	-3.75184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.63935E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48757E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-2.76220E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-2.38208E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.45811E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.51502E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-4.75043E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.56575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-1.54459E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-8.67013E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-7.97118E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-2.32452E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-5.63385E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-3.16241E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-2.90747E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-8.47862E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
128	0.00000E+00	-3.52317E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-1.97764E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-1.81821E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-5.30217E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 4
 IRC: SLS CLASS 70R LOADING N3: DISP Z +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.809666745E+01
 Y = 0.000000000E+00
 Z = 0.488192010E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 4)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 146457.58 MY= 0.00 MZ= -24290.00

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 4)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -146457.58 MY= 0.00 MZ= 24290.00

STAAD SPACE

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MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 4)
 MAXIMUMS AT NODE
 X = 3.36771E-01 37
 Y = -3.84547E+00 56
 Z = 2.50405E-01 4
 RX= 3.63204E-03 4
 RY= -4.00990E-05 40
 RZ= -2.61396E-03 53

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 26.54	0.00 -156.37	0.00 -148.25	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -28.14	0.00 -842.70	0.00 -201.73	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 23.96	0.00 -90.91	0.00 135.12	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -39.07	0.00 -989.06	0.00 172.69	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 5.90	0.00 51.55	0.00 -4.12	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 10.50	0.00 58.18	0.00 -12.67	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 4.70	0.00 -85.93	0.00 -8.19	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 1.82	0.00 -38.67	0.00 -0.08	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 3.63	0.00 -809.79	0.00 26.01	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 4.17	0.00 -73.05	0.00 23.14	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 -7.07	0.00 -50.55	0.00 9.03	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -6.94	0.00 27.30	0.00 9.04	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 5

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00000E+00	-2.78942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
5	0.00000E+00	-1.93967E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	-2.25660E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	-2.48979E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	-4.15708E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-2.54905E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-1.71042E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-5.67554E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-3.48014E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

42	0.00000E+00	-1.53940E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-9.43937E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.59851E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
47	0.00000E+00	-2.53148E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-3.48721E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-2.45319E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-4.04368E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.84465E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.89069E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.94657E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-1.07045E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.42002E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-3.31425E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-3.84312E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-3.36301E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-4.59142E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-1.24535E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-1.17136E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-4.01682E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-4.36904E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-7.78344E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
126	0.00000E+00	-2.54647E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
127	0.00000E+00	-1.70869E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
128	0.00000E+00	-3.47662E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-9.42978E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-8.86955E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-3.04153E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-3.30823E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-5.89361E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
137	0.00000E+00	-3.71054E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-5.06589E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-1.37404E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-1.29241E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-4.43191E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-4.82052E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-8.58776E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 5
 IRC: SLS CLASS 70R LOADING P53: STRESS MAX ABSOLUTE +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.562500021E+01
 Y = 0.000000000E+00
 Z = 0.749134442E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 5)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 299653.73 MY= 0.00 MZ= -22500.00

STAAD SPACE

-- PAGE NO. 87

***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 5)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -299653.73 MY= 0.00 MZ= 22500.00

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 5)

MAXIMUMS AT NODE
 X = -2.76625E-01 54
 Y = -3.89156E+00 39
 Z = 1.82074E-02 1
 RX= 3.56026E-03 1
 RY= 1.79356E-05 52
 RZ= 2.77486E-03 128

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 35.16	0.00 -853.31	0.00 -210.16	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -24.06	0.00 -139.50	0.00 -155.54	0.00 0.00	0.00 0.00	0.00 0.00 111000
27	0.00 37.82	0.00 -981.03	0.00 162.97	0.00 0.00	0.00 0.00	0.00 0.00 111000
28	0.00 -24.30	0.00 -110.88	0.00 125.68	0.00 0.00	0.00 0.00	0.00 0.00 111000
29	0.00 -14.43	0.00 21.96	0.00 -29.97	0.00 0.00	0.00 0.00	0.00 0.00 111000
30	0.00 -11.04	0.00 62.82	0.00 -19.66	0.00 0.00	0.00 0.00	0.00 0.00 111000
31	0.00 -13.17	0.00 12.61	0.00 29.48	0.00 0.00	0.00 0.00	0.00 0.00 111000
32	0.00 -9.91	0.00 72.15	0.00 20.15	0.00 0.00	0.00 0.00	0.00 0.00 111000
33	0.00 40.54	0.00 -924.24	0.00 -159.18	0.00 0.00	0.00 0.00	0.00 0.00 111000
34	0.00 -27.78	0.00 -179.47	0.00 -128.37	0.00 0.00	0.00 0.00	0.00 0.00 111000
35	0.00 36.57	0.00 -775.99	0.00 205.13	0.00 0.00	0.00 0.00	0.00 0.00 111000
36	0.00 -25.38	0.00 -205.12	0.00 159.47	0.00 0.00	0.00 0.00	0.00 0.00 111000

FOR LOADING - 6

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
-------	---------	---------	---------	-------	-------	-------

1	0.00000E+00	-2.42992E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	0.00000E+00	-1.58368E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
5	0.00000E+00	-2.30940E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
8	0.00000E+00	-2.56256E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	-2.61392E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.05067E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	-2.11788E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.06813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	-3.62131E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-2.54752E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-1.70940E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-4.94407E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-3.47806E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-1.34100E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-9.43369E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-1.98188E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.85885E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-3.74342E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51105E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-2.80987E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.63545E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48538E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-3.44170E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-4.69885E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-1.27449E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-3.20688E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-6.05724E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-4.54666E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-3.89554E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-5.31846E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-1.44255E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.58014E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.85585E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-3.64744E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
126	0.00000E+00	-2.54864E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
127	0.00000E+00	-1.71015E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
128	0.00000E+00	-3.47958E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-9.43783E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86319E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51584E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64145E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
137	0.00000E+00	-3.15628E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-4.30918E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-1.16880E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.59268E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.89713E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.67949E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 6
 IRC: SLS CLASS 70R LOADING P85: STRESS MAX ABSOLUTE +VE

STAAD SPACE

-- PAGE NO. 89

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.745735384E+01
 Y = 0.000000000E+00
 Z = 0.750907370E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 6)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 300362.87 MY= 0.00 MZ= -29829.41

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 6)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -300362.87 MY= 0.00 MZ= 29829.41

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 6)

MAXIMUMS AT NODE

X = -1.36391E-02 54
 Y = -3.53904E+00 127
 Z = -9.71792E-03 23
 RX= -3.14417E-03 21
 RY= 4.89487E-06 52
 RZ= 3.23251E-03 128

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 53.31	0.00 -504.19	0.00 -179.99	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -51.13	0.00 -441.81	0.00 -179.20	0.00 0.00	0.00 0.00	0.00 0.00 111000
27	0.00 58.31	0.00 -557.93	0.00 141.71	0.00 0.00	0.00 0.00	0.00 0.00 111000
28	0.00 -60.58	0.00 -581.44	0.00 140.92	0.00 0.00	0.00 0.00	0.00 0.00 111000
29	0.00 -1.46	0.00 43.16	0.00 -24.26	0.00 0.00	0.00 0.00	0.00 0.00 111000
30	0.00 0.57	0.00 42.18	0.00 -23.93	0.00 0.00	0.00 0.00	0.00 0.00 111000
31	0.00 -1.26	0.00 41.09	0.00 24.19	0.00 0.00	0.00 0.00	0.00 0.00 111000

STAAD SPACE -- PAGE NO. 90

32	0.00	0.00	0.00	0.00	0.00	0.00	
	0.89	44.44	24.02	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	59.68	-580.90	-141.74	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-58.04	-546.59	-141.21	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	52.81	-475.35	180.22	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-53.09	-482.65	179.26	0.00	0.00	0.00	111000

FOR LOADING - 7

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-6.17928E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-5.98817E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-6.94373E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.44083E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-2.36534E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.74279E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-1.74575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
72	0.00000E+00	-1.69175E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-1.96172E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-6.85645E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-2.35120E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.55414E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.53861E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-5.14205E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-1.76330E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.91550E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.40377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-6.18443E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-2.12075E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.30380E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.09377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 7

IRC: SLS CLASS 70R LOADING B41: FORCE END A: FX +VE

STAAD SPACE

-- PAGE NO. 91

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.687386589E+01
 Y = 0.000000000E+00
 Z = 0.668343524E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 7)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 200448.29 MY= 0.00 MZ= -20615.97

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 7)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -200448.29 MY= 0.00 MZ= 20615.97

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 7)

MAXIMUMS AT NODE
 X = -3.17398E-01 54
 Y = -1.08713E+00 39
 Z = -4.71935E-02 24
 RX= -1.01984E-03 145
 RY= 3.48142E-05 138
 RZ= 2.29894E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 -7.54	0.00 -206.11	0.00 -43.10	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -19.75	0.00 56.72	0.00 -30.20	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 64.90	0.00 -1460.40	0.00 17.20	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -20.85	0.00 -332.77	0.00 14.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 0.97	0.00 -135.73	0.00 11.54	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -9.94	0.00 67.73	0.00 2.51	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 -3.11	0.00 -4.68	0.00 2.05	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE -- PAGE NO. 92

32	0.00	0.00	0.00	0.00	0.00	0.00	
	-1.25	40.20	6.18	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	0.63	-10.21	-35.93	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-5.43	-251.50	-50.39	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	1.51	-58.04	44.10	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.13	-704.39	61.39	0.00	0.00	0.00	111000

FOR LOADING - 8

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-6.17928E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-5.98817E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-6.94373E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.44083E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-2.36534E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.74279E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-1.74575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
72	0.00000E+00	-1.69175E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-1.96172E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-6.85645E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-2.35120E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.55414E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.53861E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-5.14205E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-1.76330E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.91550E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.40377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-6.18443E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-2.12075E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.30380E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.09377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 8

IRC: SLS CLASS 70R LOADING B41: FORCE END B: FX +VE

STAAD SPACE

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CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.687386589E+01
 Y = 0.000000000E+00
 Z = 0.668343524E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 8)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 200448.29 MY= 0.00 MZ= -20615.97

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 8)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -200448.29 MY= 0.00 MZ= 20615.97

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 8)

MAXIMUMS AT NODE
 X = -3.17398E-01 54
 Y = -1.08713E+00 39
 Z = -4.71935E-02 24
 RX= -1.01984E-03 145
 RY= 3.48142E-05 138
 RZ= 2.29894E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 -7.54	0.00 -206.11	0.00 -43.10	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -19.75	0.00 56.72	0.00 -30.20	0.00 0.00	0.00 0.00	0.00 0.00 111000
27	0.00 64.90	0.00 -1460.40	0.00 17.20	0.00 0.00	0.00 0.00	0.00 0.00 111000
28	0.00 -20.85	0.00 -332.77	0.00 14.65	0.00 0.00	0.00 0.00	0.00 0.00 111000
29	0.00 0.97	0.00 -135.73	0.00 11.54	0.00 0.00	0.00 0.00	0.00 0.00 111000
30	0.00 -9.94	0.00 67.73	0.00 2.51	0.00 0.00	0.00 0.00	0.00 0.00 111000
31	0.00 -3.11	0.00 -4.68	0.00 2.05	0.00 0.00	0.00 0.00	0.00 0.00 111000

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32	0.00	0.00	0.00	0.00	0.00	0.00	
	-1.25	40.20	6.18	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	0.63	-10.21	-35.93	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-5.43	-251.50	-50.39	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	1.51	-58.04	44.10	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.13	-704.39	61.39	0.00	0.00	0.00	111000

FOR LOADING - 9

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
13	0.00000E+00	-1.71040E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-1.48845E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
86	0.00000E+00	-3.06445E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-2.05626E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-4.18380E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-1.13479E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-2.91735E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-5.51037E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-4.13617E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-2.33120E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
97	0.00000E+00	-2.54900E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-3.48008E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-9.43915E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-1.86271E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-3.51833E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-2.64092E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
106	0.00000E+00	-3.98377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
107	0.00000E+00	-2.67313E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-5.43892E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-1.47522E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-2.23288E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-4.21752E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-3.16574E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-1.78425E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 9
IRC: SLS CLASS 70R LOADING B23: FORCE END A: FX -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
(FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.745749851E+01
Y = 0.000000000E+00
Z = 0.899959996E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 9)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -2000.00
SUMMATION FORCE-Z = 0.00

STAAD SPACE

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SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 179992.01 MY= 0.00 MZ= -14915.00

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 9)

SUMMATION FORCE-X = 0.00

SUMMATION FORCE-Y = 2000.00

SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -179992.01 MY= 0.00 MZ= 14915.00

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 9)

MAXIMUMS AT NODE

X = -7.29390E-03 143

Y = -1.04686E+00 13

Z = 5.26988E-03 12

RX= -4.50330E-04 17

RY= -1.68464E-06 93

RZ= 2.32250E-03 97

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 0.14	0.00 0.15	0.00 -0.24	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 0.00	0.00 -1.41	0.00 -0.43	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 -0.36	0.00 4.50	0.00 2.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 0.52	0.00 9.11	0.00 3.14	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.62	0.00 -43.78	0.00 -16.05	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -13.26	0.00 -71.48	0.00 -17.72	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 96.51	0.00 -906.78	0.00 -1.25	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 -95.30	0.00 -887.44	0.00 1.73	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 12.93	0.00 -76.43	0.00 18.44	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -11.80	0.00 -37.77	0.00 16.33	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 -0.61	0.00 5.34	0.00 -3.76	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -0.39	0.00 5.98	0.00 -2.84	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 10

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
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STAAD SPACE

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
13	0.00000E+00	-1.71040E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-1.48845E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
86	0.00000E+00	-3.06445E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-2.05626E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-4.18380E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-1.13479E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-2.91735E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-5.51037E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-4.13617E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-2.33120E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
97	0.00000E+00	-2.54900E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-3.48008E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-9.43915E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-1.86271E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-3.51833E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-2.64092E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
106	0.00000E+00	-3.98377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
107	0.00000E+00	-2.67313E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-5.43892E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-1.47522E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-2.23288E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-4.21752E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-3.16574E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-1.78425E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 10
 IRC: SLS CLASS 70R LOADING B23: FORCE END B: FX -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.745749851E+01
 Y = 0.000000000E+00
 Z = 0.899959996E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 10)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 179992.01 MY= 0.00 MZ= -14915.00

***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 10)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 2000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -179992.01 MY= 0.00 MZ= 14915.00

STAAD SPACE

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MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 10)

	MAXIMUMS	AT NODE
X =	-7.29390E-03	143
Y =	-1.04686E+00	13
Z =	5.26988E-03	12
RX=	-4.50330E-04	17
RY=	-1.68464E-06	93
RZ=	2.32250E-03	97

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 0.14	0.00 0.15	0.00 -0.24	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 0.00	0.00 -1.41	0.00 -0.43	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 -0.36	0.00 4.50	0.00 2.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 0.52	0.00 9.11	0.00 3.14	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.62	0.00 -43.78	0.00 -16.05	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -13.26	0.00 -71.48	0.00 -17.72	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 96.51	0.00 -906.78	0.00 -1.25	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 -95.30	0.00 -887.44	0.00 1.73	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 12.93	0.00 -76.43	0.00 18.44	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -11.80	0.00 -37.77	0.00 16.33	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 -0.61	0.00 5.34	0.00 -3.76	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -0.39	0.00 5.98	0.00 -2.84	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 11

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
8	0.00000E+00	-6.43799E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	-2.55530E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-3.68149E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.61866E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-2.00929E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-3.82874E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-1.43101E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.72975E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-1.27245E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

45	0.00000E+00	-2.42640E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-4.79366E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-9.14207E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
58	0.00000E+00	-1.23701E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-8.81405E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-7.83618E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.95226E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-1.99461E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-1.73578E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-1.48706E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-3.15411E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-2.74598E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-2.35221E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-1.01840E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
78	0.00000E+00	-2.83534E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	0.00000E+00	-2.02126E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
80	0.00000E+00	-1.79671E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	0.00000E+00	-6.76947E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0.00000E+00	-7.93150E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-6.88654E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-5.90375E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-1.31803E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-9.39736E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
90	0.00000E+00	-8.35294E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0.00000E+00	-3.14720E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-1.61270E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-3.16277E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
100	0.00000E+00	-2.59934E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
101	0.00000E+00	-2.37927E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-1.14017E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-9.92671E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-8.50315E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-1.21395E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-2.39085E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-1.96479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-1.79850E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-2.29271E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-1.99575E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-1.70964E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-7.40184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-3.64606E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-6.96619E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-5.72766E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-5.24189E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
128	0.00000E+00	-7.67486E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-1.48096E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-1.21643E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-1.11205E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-2.62631E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-2.28151E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-1.95343E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-8.45238E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-6.39077E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-1.23491E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-1.01431E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-9.27281E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
143	0.00000E+00	-8.13452E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-7.06702E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-6.05223E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 11
 IRC: SLS CLASS 70R LOADING B31: FORCE END A: FY +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.876387158E+01
 Y = 0.000000000E+00
 Z = 0.868025052E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 11)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4899.79
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 425314.40 MY= 0.00 MZ= -42941.17

***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 11)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4899.79
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -425314.40 MY= 0.00 MZ= 42941.17

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 11)

	MAXIMUMS	AT NODE
X =	3.67289E-01	137
Y =	-1.98792E+00	76
Z =	-4.92949E-02	24
RX=	-1.83014E-03	24
RY=	3.26745E-05	52
RZ=	-2.94897E-03	73

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 9.07	0.00 -285.39	0.00 -85.68	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 4.35	0.00 -28.93	0.00 -47.21	0.00 0.00	0.00 0.00	0.00 0.00	111000

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27	0.00	0.00	0.00	0.00	0.00	0.00	
	16.68	-179.14	31.35	0.00	0.00	0.00	111000
28	0.00	0.00	0.00	0.00	0.00	0.00	
	-28.35	-600.02	-21.96	0.00	0.00	0.00	111000
29	0.00	0.00	0.00	0.00	0.00	0.00	
	11.11	-258.94	16.57	0.00	0.00	0.00	111000
30	0.00	0.00	0.00	0.00	0.00	0.00	
	-20.81	-617.33	58.27	0.00	0.00	0.00	111000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	27.99	-248.12	-59.33	0.00	0.00	0.00	111000
32	0.00	0.00	0.00	0.00	0.00	0.00	
	-21.65	-695.70	-82.12	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	29.30	-71.18	11.92	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-35.63	-1045.99	4.29	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	24.19	-168.59	71.14	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-16.25	-700.48	102.76	0.00	0.00	0.00	111000

FOR LOADING - 12

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
8	0.00000E+00	-6.43799E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	-2.55530E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-3.68149E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.61866E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-2.00929E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-3.82874E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-1.43101E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.72975E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-1.27245E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.42640E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-4.79366E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-9.14207E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-1.23701E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-8.81405E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-7.83618E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.95226E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-1.99461E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-1.73578E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-1.48706E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-3.15411E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-2.74598E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-2.35221E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-1.01840E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
78	0.00000E+00	-2.83534E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	0.00000E+00	-2.02126E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
80	0.00000E+00	-1.79671E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	0.00000E+00	-6.76947E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0.00000E+00	-7.93150E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-6.88654E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-5.90375E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-1.31803E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-9.39736E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
90	0.00000E+00	-8.35294E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0.00000E+00	-3.14720E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-1.61270E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-3.16277E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
100	0.00000E+00	-2.59934E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
101	0.00000E+00	-2.37927E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-1.14017E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-9.92671E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-8.50315E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-1.21395E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-2.39085E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-1.96479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-1.79850E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-2.29271E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-1.99575E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-1.70964E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-7.40184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-3.64606E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-6.96619E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-5.72766E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-5.24189E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
128	0.00000E+00	-7.67486E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-1.48096E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-1.21643E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-1.11205E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-2.62631E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-2.28151E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-1.95343E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-8.45238E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-6.39077E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-1.23491E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-1.01431E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-9.27281E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-8.13452E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-7.06702E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-6.05223E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 12
 IRC: SLS CLASS 70R LOADING B31: FORCE END B: FY +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.876387158E+01
 Y = 0.000000000E+00
 Z = 0.868025052E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 12)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4899.79
 SUMMATION FORCE-Z = 0.00

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SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 425314.40 MY= 0.00 MZ= -42941.17

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 12)

SUMMATION FORCE-X = 0.00

SUMMATION FORCE-Y = 4899.79

SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -425314.40 MY= 0.00 MZ= 42941.17

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 12)

MAXIMUMS AT NODE

X = 3.67289E-01 137

Y = -1.98792E+00 76

Z = -4.92949E-02 24

RX= -1.83014E-03 24

RY= 3.26745E-05 52

RZ= -2.94897E-03 73

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 9.07	0.00 -285.39	0.00 -85.68	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 4.35	0.00 -28.93	0.00 -47.21	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 16.68	0.00 -179.14	0.00 31.35	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -28.35	0.00 -600.02	0.00 -21.96	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.11	0.00 -258.94	0.00 16.57	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -20.81	0.00 -617.33	0.00 58.27	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 27.99	0.00 -248.12	0.00 -59.33	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 -21.65	0.00 -695.70	0.00 -82.12	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 29.30	0.00 -71.18	0.00 11.92	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -35.63	0.00 -1045.99	0.00 4.29	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 24.19	0.00 -168.59	0.00 71.14	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -16.25	0.00 -700.48	0.00 102.76	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 13

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-1.95241E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.46028E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-1.89203E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-2.38419E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.19395E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.76465E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-5.77809E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-5.59939E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-6.49291E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-1.03538E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-3.53749E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-3.85270E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-6.83358E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-8.90579E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-3.04276E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-3.31388E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-5.87788E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-1.42549E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-4.87034E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-5.30431E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-9.40833E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 13
 IRC: SLS CLASS 70R LOADING B76: FORCE END A: FY -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.687466599E+01
 Y = 0.000000000E+00
 Z = 0.605786067E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 13)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 181735.79 MY= 0.00 MZ= -20623.99

STAAD SPACE

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***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 13)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -181735.79 MY= 0.00 MZ= 20623.99

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 13)

MAXIMUMS AT NODE

X = -2.65153E-01 54
 Y = -1.73527E+00 133
 Z = 3.82757E-02 107
 RX= -1.76364E-03 145
 RY= 3.49369E-05 138
 RZ= 2.25387E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 -7.63	0.00 -286.90	0.00 -102.38	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -22.52	0.00 -198.51	0.00 -105.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 72.38	0.00 -1391.28	0.00 71.18	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -29.22	0.00 -122.53	0.00 80.78	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 3.05	0.00 -119.07	0.00 1.87	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -6.32	0.00 113.77	0.00 -12.00	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 -1.72	0.00 1.54	0.00 8.48	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 0.80	0.00 46.25	0.00 16.28	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 -0.48	0.00 -33.11	0.00 -60.56	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -10.43	0.00 -506.42	0.00 -84.06	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 4.42	0.00 -46.38	0.00 77.50	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -2.33	0.00 -457.36	0.00 108.55	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 14

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
-------	---------	---------	---------	-------	-------	-------

5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-1.95241E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.46028E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-1.89203E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-2.38419E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.19395E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.76465E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-5.77809E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-5.59939E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-6.49291E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-1.03538E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-3.53749E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-3.85270E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-6.83358E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-8.90579E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-3.04276E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-3.31388E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-5.87788E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-1.42549E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-4.87034E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-5.30431E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-9.40833E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 14
 IRC: SLS CLASS 70R LOADING B76: FORCE END B: FY -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METER).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.687466599E+01
 Y = 0.000000000E+00
 Z = 0.605786067E+02

***TOTAL APPLIED LOAD (KN METER) SUMMARY (LOADING 14)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 181735.79 MY= 0.00 MZ= -20623.99

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***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 14)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -181735.79 MY= 0.00 MZ= 20623.99

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 14)

MAXIMUMS AT NODE
 X = -2.65153E-01 54
 Y = -1.73527E+00 133
 Z = 3.82757E-02 107
 RX= -1.76364E-03 145
 RY= 3.49369E-05 138
 RZ= 2.25387E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 -7.63	0.00 -286.90	0.00 -102.38	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -22.52	0.00 -198.51	0.00 -105.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 72.38	0.00 -1391.28	0.00 71.18	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -29.22	0.00 -122.53	0.00 80.78	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 3.05	0.00 -119.07	0.00 1.87	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -6.32	0.00 113.77	0.00 -12.00	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 -1.72	0.00 1.54	0.00 8.48	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 0.80	0.00 46.25	0.00 16.28	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 -0.48	0.00 -33.11	0.00 -60.56	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -10.43	0.00 -506.42	0.00 -84.06	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 4.42	0.00 -46.38	0.00 77.50	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -2.33	0.00 -457.36	0.00 108.55	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 15

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
-------	---------	---------	---------	-------	-------	-------

4	0.00000E+00	-2.11459E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.00970E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.27194E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
24	0.00000E+00	-1.84304E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-4.04368E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.84465E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.48721E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.45319E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.59851E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.53148E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.64627E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.86160E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.99835E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51624E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-3.75184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.63935E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48757E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-3.84312E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.31425E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.42002E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.51502E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-4.75043E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.56575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-4.34989E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.75128E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.87100E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.84666E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-5.37685E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-4.03872E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-2.84590E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-2.45426E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-2.53259E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86242E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51779E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64089E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48783E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-3.52441E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-3.03940E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-3.13640E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.30645E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.35649E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.27005E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 15
 IRC: SLS CLASS 70R LOADING B50: FORCE END A: FZ +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METER).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.948997522E+01
 Y = 0.000000000E+00
 Z = 0.747881814E+02

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***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 15)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 299152.65 MY= 0.00 MZ= -37959.89

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 15)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -299152.65 MY= 0.00 MZ= 37959.89

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 15)

MAXIMUMS AT NODE

X = 2.57933E-01 37
 Y = -3.83507E+00 136
 Z = 1.47335E-02 4
 RX= -3.56738E-03 24
 RY= -1.41815E-05 40
 RZ= -2.60182E-03 134

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 22.47	0.00 -154.51	0.00 -155.91	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -33.05	0.00 -821.74	0.00 -209.84	0.00 0.00	0.00 0.00	0.00 0.00 111000
27	0.00 23.83	0.00 -116.22	0.00 125.99	0.00 0.00	0.00 0.00	0.00 0.00 111000
28	0.00 -38.49	0.00 -992.14	0.00 162.59	0.00 0.00	0.00 0.00	0.00 0.00 111000
29	0.00 11.12	0.00 67.37	0.00 -19.55	0.00 0.00	0.00 0.00	0.00 0.00 111000
30	0.00 14.44	0.00 17.25	0.00 -30.13	0.00 0.00	0.00 0.00	0.00 0.00 111000
31	0.00 11.09	0.00 67.98	0.00 19.55	0.00 0.00	0.00 0.00	0.00 0.00 111000
32	0.00 14.30	0.00 16.58	0.00 30.09	0.00 0.00	0.00 0.00	0.00 0.00 111000
33	0.00 23.77	0.00 -124.22	0.00 -126.08	0.00 0.00	0.00 0.00	0.00 0.00 111000
34	0.00 -39.69	0.00 -1012.29	0.00 -162.63	0.00 0.00	0.00 0.00	0.00 0.00 111000

35	0.00	0.00	0.00	0.00	0.00	0.00	
	22.11	-148.42	155.95	0.00	0.00	0.00	111000

STAAD SPACE

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36	0.00	0.00	0.00	0.00	0.00	0.00
	-31.89	-799.63	209.96	0.00	0.00	0.00 111000

FOR LOADING - 16

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	-2.11459E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.00970E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.27194E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-1.84304E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-4.04368E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.84465E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.48721E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.45319E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.59851E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.53148E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.64627E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.86160E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.99835E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51624E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-3.75184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.63935E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48757E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-3.84312E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.31425E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.42002E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.51502E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-4.75043E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.56575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-4.34989E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.75128E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.87100E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.84666E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-5.37685E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-4.03872E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-2.84590E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-2.45426E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-2.53259E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86242E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51779E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64089E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48783E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-3.52441E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-3.03940E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-3.13640E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.30645E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.35649E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.27005E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 16

IRC: SLS CLASS 70R LOADING B50: FORCE END B: FZ +VE

STAAD SPACE

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CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.948997522E+01
 Y = 0.000000000E+00
 Z = 0.747881814E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 16)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 299152.65 MY= 0.00 MZ= -37959.89

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 16)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -299152.65 MY= 0.00 MZ= 37959.89

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 16)

MAXIMUMS AT NODE
 X = 2.57933E-01 37
 Y = -3.83507E+00 136
 Z = 1.47335E-02 4
 RX= -3.56738E-03 24
 RY= -1.41815E-05 40
 RZ= -2.60182E-03 134

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 22.47	0.00 -154.51	0.00 -155.91	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -33.05	0.00 -821.74	0.00 -209.84	0.00 0.00	0.00 0.00	0.00 0.00 111000
27	0.00 23.83	0.00 -116.22	0.00 125.99	0.00 0.00	0.00 0.00	0.00 0.00 111000
28	0.00 -38.49	0.00 -992.14	0.00 162.59	0.00 0.00	0.00 0.00	0.00 0.00 111000
29	0.00 11.12	0.00 67.37	0.00 -19.55	0.00 0.00	0.00 0.00	0.00 0.00 111000
30	0.00 14.44	0.00 17.25	0.00 -30.13	0.00 0.00	0.00 0.00	0.00 0.00 111000
31	0.00 11.09	0.00 67.98	0.00 19.55	0.00 0.00	0.00 0.00	0.00 0.00 111000

STAAD SPACE

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32	0.00	0.00	0.00	0.00	0.00	0.00	
	14.30	16.58	30.09	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	23.77	-124.22	-126.08	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-39.69	-1012.29	-162.63	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	22.11	-148.42	155.95	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-31.89	-799.63	209.96	0.00	0.00	0.00	111000

FOR LOADING - 17

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	-1.88761E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.23189E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.05067E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.06813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-3.60964E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.84557E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.11290E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.45398E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.21225E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.53230E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.36223E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.86220E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.46184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51737E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-3.34913E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.64020E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48805E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-4.26800E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.68066E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.79813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.79307E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-5.27563E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.95997E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-3.93195E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.38775E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.49227E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.58014E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.85585E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-3.64744E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-2.84693E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-2.45290E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-2.52857E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86319E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51584E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64145E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-3.96543E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-3.41659E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-3.52200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.59268E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.89713E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.67949E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

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STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 17
 IRC: SLS CLASS 70R LOADING B40: FORCE END A: FZ -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.948960388E+01
 Y = 0.000000000E+00
 Z = 0.751427953E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 17)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 300571.10 MY= 0.00 MZ= -37958.41

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 17)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -300571.10 MY= 0.00 MZ= 37958.41

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 17)
 MAXIMUMS AT NODE
 X = 2.57157E-01 137
 Y = -3.83469E+00 56
 Z = -1.46562E-02 24
 RX= 3.56509E-03 4
 RY= 1.40644E-05 138
 RZ= -2.60132E-03 53

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 22.17	0.00 -149.40	0.00 -155.94	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -32.08	0.00 -803.25	0.00 -209.93	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 23.78	0.00 -122.91	0.00 126.06	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -39.50	0.00 -1009.01	0.00 162.61	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.10	0.00 67.87	0.00 -19.55	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE

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30	0.00	0.00	0.00	0.00	0.00	0.00	
	14.32	16.69	-30.09	0.00	0.00	0.00	111000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	11.11	67.48	19.55	0.00	0.00	0.00	111000
32	0.00	0.00	0.00	0.00	0.00	0.00	
	14.41	17.11	30.12	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	23.82	-117.71	-125.98	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-38.68	-995.22	-162.56	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	22.41	-153.65	155.90	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-32.86	-818.01	209.81	0.00	0.00	0.00	111000

FOR LOADING - 18

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	-1.88761E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.23189E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.05067E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.06813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-3.60964E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.84557E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.11290E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.45398E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.21225E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.53230E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.36223E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.86220E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.46184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51737E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-3.34913E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.64020E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48805E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-4.26800E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.68066E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.79813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.79307E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-5.27563E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.95997E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-3.93195E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.38775E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.49227E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.58014E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.85585E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-3.64744E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-2.84693E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-2.45290E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-2.52857E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86319E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51584E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64145E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-3.96543E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-3.41659E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
141	0.00000E+00	-3.52200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.59268E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.89713E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.67949E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 18

IRC: SLS CLASS 70R LOADING B40: FORCE END B: FZ -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.948960388E+01
 Y = 0.000000000E+00
 Z = 0.751427953E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 18)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 300571.10 MY= 0.00 MZ= -37958.41

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 18)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -300571.10 MY= 0.00 MZ= 37958.41

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 18)

MAXIMUMS AT NODE

X =	2.57157E-01	137
Y =	-3.83469E+00	56
Z =	-1.46562E-02	24
RX=	3.56509E-03	4
RY=	1.40644E-05	138
RZ=	-2.60132E-03	53

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 22.17	0.00 -149.40	0.00 -155.94	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -32.08	0.00 -803.25	0.00 -209.93	0.00 0.00	0.00 0.00	0.00 0.00 111000

STAAD SPACE

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27	0.00	0.00	0.00	0.00	0.00	0.00	
	23.78	-122.91	126.06	0.00	0.00	0.00	111000
28	0.00	0.00	0.00	0.00	0.00	0.00	
	-39.50	-1009.01	162.61	0.00	0.00	0.00	111000
29	0.00	0.00	0.00	0.00	0.00	0.00	
	11.10	67.87	-19.55	0.00	0.00	0.00	111000
30	0.00	0.00	0.00	0.00	0.00	0.00	
	14.32	16.69	-30.09	0.00	0.00	0.00	111000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	11.11	67.48	19.55	0.00	0.00	0.00	111000
32	0.00	0.00	0.00	0.00	0.00	0.00	
	14.41	17.11	30.12	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	23.82	-117.71	-125.98	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-38.68	-995.22	-162.56	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	22.41	-153.65	155.90	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-32.86	-818.01	209.81	0.00	0.00	0.00	111000

FOR LOADING - 19

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-1.48749E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-1.16053E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.62296E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-4.95433E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-3.71880E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-2.09596E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-1.86150E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-3.51606E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-2.63921E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-2.53928E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-4.79626E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-3.60015E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-2.02909E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-9.22844E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-1.74309E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-1.30969E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-7.36134E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-1.45488E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-2.74802E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-2.06475E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

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STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 19
 IRC: SLS CLASS 70R LOADING N28: REACT FX +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.931816533E+01
 Y = 0.000000000E+00
 Z = 0.678571910E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 19)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 203571.53 MY= 0.00 MZ= -27954.49

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 19)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -203571.53 MY= 0.00 MZ= 27954.49

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 19)
 MAXIMUMS AT NODE
 X = 4.94906E-01 23
 Y = -1.98519E+00 136
 Z = -6.50862E-02 24
 RX= 1.08215E-03 20
 RY= 5.54691E-05 142
 RZ= -2.77782E-03 24

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 4.12	0.00 -96.86	0.00 -27.39	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -18.07	0.00 -12.58	0.00 -25.96	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 95.67	0.00 -924.07	0.00 4.95	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -97.99	0.00 -875.92	0.00 2.14	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 14.77	0.00 -15.26	0.00 14.32	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE

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30	0.00	0.00	0.00	0.00	0.00	0.00	
	-9.06	-90.01	11.91	0.00	0.00	0.00	111000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	11.31	28.86	-0.78	0.00	0.00	0.00	111000
32	0.00	0.00	0.00	0.00	0.00	0.00	
	13.38	8.79	4.69	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	19.41	228.60	-21.16	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-7.81	-455.14	-51.45	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	37.94	369.64	24.50	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-63.67	-1166.03	64.22	0.00	0.00	0.00	111000

FOR LOADING - 20

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-6.17928E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-5.98817E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-6.94373E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.44083E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-2.36534E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.74279E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-1.74575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
72	0.00000E+00	-1.69175E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-1.96172E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-6.85645E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-2.35120E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.55414E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.53861E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-5.14205E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-1.76330E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.91550E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.40377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-6.18443E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-2.12075E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.30380E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.09377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 20

IRC: SLS CLASS 70R LOADING N27: REACT FY +VE

STAAD SPACE

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CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.687386589E+01
 Y = 0.000000000E+00
 Z = 0.668343524E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 20)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 200448.29 MY= 0.00 MZ= -20615.97

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 20)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -200448.29 MY= 0.00 MZ= 20615.97

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 20)

MAXIMUMS AT NODE
 X = -3.17398E-01 54
 Y = -1.08713E+00 39
 Z = -4.71935E-02 24
 RX= -1.01984E-03 145
 RY= 3.48142E-05 138
 RZ= 2.29894E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 -7.54	0.00 -206.11	0.00 -43.10	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -19.75	0.00 56.72	0.00 -30.20	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 64.90	0.00 -1460.40	0.00 17.20	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -20.85	0.00 -332.77	0.00 14.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 0.97	0.00 -135.73	0.00 11.54	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -9.94	0.00 67.73	0.00 2.51	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 -3.11	0.00 -4.68	0.00 2.05	0.00 0.00	0.00 0.00	0.00 0.00	111000

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32	0.00	0.00	0.00	0.00	0.00	0.00	
	-1.25	40.20	6.18	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	0.63	-10.21	-35.93	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-5.43	-251.50	-50.39	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	1.51	-58.04	44.10	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.13	-704.39	61.39	0.00	0.00	0.00	111000

FOR LOADING - 21

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	-1.88761E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.23189E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.05067E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.06813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-3.60964E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.84557E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.11290E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.45398E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.21225E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.53230E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.36223E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.86220E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.46184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51737E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-3.34913E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.64020E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48805E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-4.26800E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.68066E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.79813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.79307E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-5.27563E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.95997E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-3.93195E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.38775E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.49227E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.58014E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.85585E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-3.64744E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-2.84693E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-2.45290E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-2.52857E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86319E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51584E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64145E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-3.96543E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-3.41659E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-3.52200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.59268E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.89713E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.67949E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

-- PAGE NO. 120

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 21
 IRC: SLS CLASS 70R LOADING N26: REACT FZ +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.948960388E+01
 Y = 0.000000000E+00
 Z = 0.751427953E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 21)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 300571.10 MY= 0.00 MZ= -37958.41

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 21)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -300571.10 MY= 0.00 MZ= 37958.41

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 21)
 MAXIMUMS AT NODE
 X = 2.57157E-01 137
 Y = -3.83469E+00 56
 Z = -1.46562E-02 24
 RX= 3.56509E-03 4
 RY= 1.40644E-05 138
 RZ= -2.60132E-03 53

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 22.17	0.00 -149.40	0.00 -155.94	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -32.08	0.00 -803.25	0.00 -209.93	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 23.78	0.00 -122.91	0.00 126.06	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -39.50	0.00 -1009.01	0.00 162.61	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.10	0.00 67.87	0.00 -19.55	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE

-- PAGE NO. 121

30	0.00	0.00	0.00	0.00	0.00	0.00	
	14.32	16.69	-30.09	0.00	0.00	0.00	111000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	11.11	67.48	19.55	0.00	0.00	0.00	111000
32	0.00	0.00	0.00	0.00	0.00	0.00	
	14.41	17.11	30.12	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	23.82	-117.71	-125.98	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-38.68	-995.22	-162.56	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	22.41	-153.65	155.90	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-32.86	-818.01	209.81	0.00	0.00	0.00	111000

***** END OF DATA FROM INTERNAL STORAGE *****

2008. PRINT MEMBER FORCES LIST ALL

STAAD SPACE

-- PAGE NO. 122

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
1	1	1	-1.40	-244.36	-1.64	109.34	2.08	151.34
		37	1.40	279.70	1.64	-109.34	0.38	-544.38
	2	1	-0.31	-87.19	-0.08	-23.72	0.15	-29.40
		37	0.31	87.19	0.08	23.72	-0.03	-101.38
	3	1	-0.07	-12.59	-0.41	63.80	0.27	75.43
		37	0.07	12.59	0.41	-63.80	0.34	-94.32
	4	1	-0.77	-85.16	-0.67	-79.55	0.70	-141.31
		37	0.77	85.16	0.67	79.55	0.30	13.56
	5	1	-0.86	-51.11	-0.98	57.04	1.13	81.76
		37	0.86	51.11	0.98	-57.04	0.34	-158.42
	6	1	-0.52	-35.31	-1.08	78.11	1.10	126.09
		37	0.52	35.31	1.08	-78.11	0.52	-179.05
	7	1	0.12	-16.44	-0.29	49.77	0.23	51.64
		37	-0.12	16.44	0.29	-49.77	0.20	-76.31
	8	1	0.12	-16.44	-0.29	49.77	0.23	51.64
		37	-0.12	16.44	0.29	-49.77	0.20	-76.31
	9	1	-0.04	0.06	0.06	0.05	-0.02	0.23
		37	0.04	-0.06	-0.06	-0.05	-0.06	-0.14
10	1	1	-0.04	0.06	0.06	0.05	-0.02	0.23
		37	0.04	-0.06	-0.06	-0.05	-0.06	-0.14
11	1	1	-0.52	-43.49	-0.26	-13.33	0.40	-59.21
		37	0.52	43.49	0.26	13.33	-0.01	-6.02
12	1	1	-0.52	-43.49	-0.26	-13.33	0.40	-59.21
		37	0.52	43.49	0.26	13.33	-0.01	-6.02
13	1	1	-0.23	-50.88	-0.48	9.79	0.46	-10.11
		37	0.23	50.88	0.48	-9.79	0.26	-66.22
14	1	1	-0.23	-50.88	-0.48	9.79	0.46	-10.11
		37	0.23	50.88	0.48	-9.79	0.26	-66.22
15	1	1	-0.67	-78.91	-0.66	-78.13	0.72	-138.81
		37	0.67	78.91	0.66	78.13	0.26	20.45
16	1	1	-0.67	-78.91	-0.66	-78.13	0.72	-138.81
		37	0.67	78.91	0.66	78.13	0.26	20.45
17	1	1	-0.68	-78.93	-0.65	-78.12	0.72	-138.81
		37	0.68	78.93	0.65	78.12	0.26	20.42
18	1	1	-0.68	-78.93	-0.65	-78.12	0.72	-138.81
		37	0.68	78.93	0.65	78.12	0.26	20.42
19	1	1	0.12	-10.92	-0.43	63.34	0.24	74.96
		37	-0.12	10.92	0.43	-63.34	0.40	-91.33
20	1	1	0.12	-16.44	-0.29	49.77	0.23	51.64
		37	-0.12	16.44	0.29	-49.77	0.20	-76.31
21	1	1	-0.68	-78.93	-0.65	-78.12	0.72	-138.81
		37	0.68	78.93	0.65	78.12	0.26	20.42

STAAD SPACE

-- PAGE NO. 123

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
2	1	2	-25.04	253.95	68.83	-1052.91	-48.41	1074.91
		44	25.04	-230.39	-68.83	1052.91	-20.41	-832.74
	2	2	-17.71	7.02	-4.30	10.90	2.54	95.06
		44	17.71	-7.02	4.30	-10.90	1.76	-88.04
	3	2	-2.34	10.57	2.02	-53.11	-2.17	96.69
		44	2.34	-10.57	-2.02	53.11	0.15	-86.13
	4	2	7.50	-234.05	29.94	-919.87	-18.41	-188.74
		44	-7.50	234.05	-29.94	919.87	-11.52	-45.30
	5	2	15.38	440.57	46.54	-853.82	-28.96	786.02
		44	-15.38	-440.57	-46.54	853.82	-17.58	-345.45
	6	2	-5.22	134.21	37.01	-765.52	-23.45	455.11
		44	5.22	-134.21	-37.01	765.52	-13.57	-320.89
	7	2	10.29	125.92	10.12	-145.75	-6.96	310.32
		44	-10.29	-125.92	-10.12	145.75	-3.16	-184.40
	8	2	10.29	125.92	10.12	-145.75	-6.96	310.32
		44	-10.29	-125.92	-10.12	145.75	-3.16	-184.40
	9	2	0.13	-0.27	-0.62	-0.09	0.23	-0.75
		44	-0.13	0.27	0.62	0.09	0.39	0.48
	10	2	0.13	-0.27	-0.62	-0.09	0.23	-0.75
		44	-0.13	0.27	0.62	0.09	0.39	0.48
	11	2	11.65	157.51	19.00	-336.89	-12.32	192.83
		44	-11.65	-157.51	-19.00	336.89	-6.68	-35.31
	12	2	11.65	157.51	19.00	-336.89	-12.32	192.83
		44	-11.65	-157.51	-19.00	336.89	-6.68	-35.31
	13	2	20.81	57.05	22.79	-541.27	-14.76	269.98
		44	-20.81	-57.05	-22.79	541.27	-8.03	-212.93
	14	2	20.81	57.05	22.79	-541.27	-14.76	269.98
		44	-20.81	-57.05	-22.79	541.27	-8.03	-212.93
	15	2	10.37	-223.89	32.49	-941.92	-20.46	-148.73
		44	-10.37	223.89	-32.49	941.92	-12.03	-75.15
	16	2	10.37	-223.89	32.49	-941.92	-20.46	-148.73
		44	-10.37	223.89	-32.49	941.92	-12.03	-75.15
	17	2	10.69	-224.66	32.45	-942.04	-20.44	-147.30
		44	-10.69	224.66	-32.45	942.04	-12.01	-77.36
	18	2	10.69	-224.66	32.45	-942.04	-20.44	-147.30
		44	-10.69	224.66	-32.45	942.04	-12.01	-77.36
	19	2	1.02	44.19	3.32	-57.93	-3.30	171.57
		44	-1.02	-44.19	-3.32	57.93	-0.02	-127.38
	20	2	10.29	125.92	10.12	-145.75	-6.96	310.32
		44	-10.29	-125.92	-10.12	145.75	-3.16	-184.40
	21	2	10.69	-224.66	32.45	-942.04	-20.44	-147.30
		44	-10.69	224.66	-32.45	942.04	-12.01	-77.36
3	1	3	103.94	1000.71	188.23	-2263.50	-48.57	2580.01
		50	-103.94	-988.93	-188.23	2263.50	-45.54	-2082.60

STAAD SPACE

-- PAGE NO. 124

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
2	3		-5.47	14.02	6.04	-18.37	-1.05	17.49
		50	5.47	-14.02	-6.04	18.37	-1.98	-10.48
3	3		8.30	57.83	15.25	-279.48	-1.60	165.41
		50	-8.30	-57.83	-15.25	279.48	-6.02	-136.50
4	3		46.14	401.31	96.32	-1905.06	-28.05	1134.64
		50	-46.14	-401.31	-96.32	1905.06	-20.11	-933.98
5	3		33.10	381.17	72.31	-1127.69	-20.72	119.69
		50	-33.10	-381.17	-72.31	1127.69	-15.43	70.90
6	3		46.73	346.78	86.41	-1619.55	-23.73	996.68
		50	-46.73	-346.78	-86.41	1619.55	-19.48	-823.29
7	3		14.78	66.08	12.39	-231.72	-2.46	35.98
		50	-14.78	-66.08	-12.39	231.72	-3.73	-2.95
8	3		14.78	66.08	12.39	-231.72	-2.46	35.98
		50	-14.78	-66.08	-12.39	231.72	-3.73	-2.95
9	3		0.24	-0.02	0.80	-4.66	0.23	2.26
		50	-0.24	0.02	-0.80	4.66	-0.64	-2.27
10	3		0.24	-0.02	0.80	-4.66	0.23	2.26
		50	-0.24	0.02	-0.80	4.66	-0.64	-2.27
11	3		5.57	169.25	23.81	-237.36	-7.10	-140.68
		50	-5.57	-169.25	-23.81	237.36	-4.80	225.30
12	3		5.57	169.25	23.81	-237.36	-7.10	-140.68
		50	-5.57	-169.25	-23.81	237.36	-4.80	225.30
13	3		30.13	205.73	47.52	-891.10	-13.07	221.85
		50	-30.13	-205.73	-47.52	891.10	-10.70	-118.98
14	3		30.13	205.73	47.52	-891.10	-13.07	221.85
		50	-30.13	-205.73	-47.52	891.10	-10.70	-118.98
15	3		49.81	402.68	99.38	-1940.55	-29.34	1140.49
		50	-49.81	-402.68	-99.38	1940.55	-20.35	-939.15
16	3		49.81	402.68	99.38	-1940.55	-29.34	1140.49
		50	-49.81	-402.68	-99.38	1940.55	-20.35	-939.15
17	3		49.49	390.68	99.49	-1942.42	-29.38	1111.57
		50	-49.49	-390.68	-99.49	1942.42	-20.37	-916.23
18	3		49.49	390.68	99.49	-1942.42	-29.38	1111.57
		50	-49.49	-390.68	-99.49	1942.42	-20.37	-916.23
19	3		12.39	58.87	14.83	-290.96	-1.31	173.53
		50	-12.39	-58.87	-14.83	290.96	-6.10	-144.10
20	3		14.78	66.08	12.39	-231.72	-2.46	35.98
		50	-14.78	-66.08	-12.39	231.72	-3.73	-2.95
21	3		49.49	390.68	99.49	-1942.42	-29.38	1111.57
		50	-49.49	-390.68	-99.49	1942.42	-20.37	-916.23
4	1	1	51.56	220.90	0.25	-172.77	-2.70	-16.67
		39	-51.56	132.52	-0.25	172.77	-1.10	679.53
	2	1	9.26	-0.95	0.04	29.21	-0.22	-16.75
		39	-9.26	0.95	-0.04	-29.21	-0.44	2.47

STAAD SPACE

-- PAGE NO. 125

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
3	1		4.06	9.45	0.01	-86.15	-0.14	3.87
	39		-4.06	-9.45	-0.01	86.15	0.03	137.84
4	1		19.53	2.69	0.10	60.66	-1.11	-255.15
	39		-19.53	-2.69	-0.10	-60.66	-0.31	295.53
5	1		30.52	44.02	0.15	-45.14	-1.49	-132.92
	39		-30.52	-44.02	-0.15	45.14	-0.73	793.27
6	1		25.48	43.30	0.12	-73.68	-1.28	-80.27
	39		-25.48	-43.30	-0.12	73.68	-0.53	729.73
7	1		-1.23	9.22	-0.01	-69.11	-0.08	-15.27
	39		1.23	-9.22	0.01	69.11	0.28	153.54
8	1		-1.23	9.22	-0.01	-69.11	-0.08	-15.27
	39		1.23	-9.22	0.01	69.11	0.28	153.54
9	1		0.06	0.09	0.00	0.05	-0.01	0.67
	39		-0.06	-0.09	0.00	-0.05	-0.01	0.63
10	1		0.06	0.09	0.00	0.05	-0.01	0.67
	39		-0.06	-0.09	0.00	-0.05	-0.01	0.63
11	1		14.35	7.27	0.07	31.16	-0.68	-163.57
	39		-14.35	-7.27	-0.07	-31.16	-0.41	272.61
12	1		14.35	7.27	0.07	31.16	-0.68	-163.57
	39		-14.35	-7.27	-0.07	-31.16	-0.41	272.61
13	1		5.61	8.05	0.02	-44.59	-0.50	-108.48
	39		-5.61	-8.05	-0.02	44.59	0.21	229.25
14	1		5.61	8.05	0.02	-44.59	-0.50	-108.48
	39		-5.61	-8.05	-0.02	44.59	0.21	229.25
15	1		18.19	2.69	0.09	62.20	-1.11	-237.72
	39		-18.19	-2.69	-0.09	-62.20	-0.22	278.12
16	1		18.19	2.69	0.09	62.20	-1.11	-237.72
	39		-18.19	-2.69	-0.09	-62.20	-0.22	278.12
17	1		18.34	2.70	0.09	62.18	-1.12	-237.75
	39		-18.34	-2.70	-0.09	-62.18	-0.23	278.20
18	1		18.34	2.70	0.09	62.18	-1.12	-237.75
	39		-18.34	-2.70	-0.09	-62.18	-0.23	278.20
19	1		0.64	9.33	-0.01	-84.76	-0.07	7.92
	39		-0.64	-9.33	0.01	84.76	0.19	132.07
20	1		-1.23	9.22	-0.01	-69.11	-0.08	-15.27
	39		1.23	-9.22	0.01	69.11	0.28	153.54
21	1		18.34	2.70	0.09	62.18	-1.12	-237.75
	39		-18.34	-2.70	-0.09	-62.18	-0.23	278.20
5	1	2	105.89	319.89	0.00	-42.71	-0.16	1038.96
		6	-105.89	386.96	0.00	42.71	0.11	-2045.02
	2	2	5.37	-1.10	0.02	6.02	-0.15	-11.57
		6	-5.37	1.10	-0.02	-6.02	-0.60	-21.31
	3	2	7.56	-2.48	-0.01	-33.59	0.18	-55.35
		6	-7.56	2.48	0.01	33.59	0.13	-19.19

STAAD SPACE

-- PAGE NO. 126

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
4	2	6	50.73	-5.69	0.01	-2.98	-0.36	-238.88
		6	-50.73	5.69	-0.01	2.98	0.06	68.24
5	2	6	64.06	-5.25	0.02	0.47	-0.39	-280.89
		6	-64.06	5.25	-0.02	-0.47	-0.32	123.48
6	2	6	56.62	-4.23	0.01	-1.80	-0.25	-237.74
		6	-56.62	4.23	-0.01	1.80	-0.05	110.92
7	2	6	7.55	-2.25	-0.03	-25.43	0.24	-66.36
		6	-7.55	2.25	0.03	25.43	0.57	-1.05
8	2	6	7.55	-2.25	-0.03	-25.43	0.24	-66.36
		6	-7.55	2.25	0.03	25.43	0.57	-1.05
9	2	6	0.19	0.17	0.00	0.13	0.05	0.94
		6	-0.19	-0.17	0.00	-0.13	0.06	4.07
10	2	6	0.19	0.17	0.00	0.13	0.05	0.94
		6	-0.19	-0.17	0.00	-0.13	0.06	4.07
11	2	6	25.48	-5.57	0.02	0.38	-0.23	-147.03
		6	-25.48	5.57	-0.02	-0.38	-0.36	-20.12
12	2	6	25.48	-5.57	0.02	0.38	-0.23	-147.03
		6	-25.48	5.57	-0.02	-0.38	-0.36	-20.12
13	2	6	27.19	-3.57	-0.02	-28.82	0.09	-147.52
		6	-27.19	3.57	0.02	28.82	0.62	40.54
14	2	6	27.19	-3.57	-0.02	-28.82	0.09	-147.52
		6	-27.19	3.57	0.02	28.82	0.62	40.54
15	2	6	51.04	-3.30	0.00	-1.65	-0.34	-202.21
		6	-51.04	3.30	0.00	1.65	0.20	103.33
16	2	6	51.04	-3.30	0.00	-1.65	-0.34	-202.21
		6	-51.04	3.30	0.00	1.65	0.20	103.33
17	2	6	51.17	-3.30	0.01	-1.69	-0.35	-202.26
		6	-51.17	3.30	-0.01	1.69	0.18	103.39
18	2	6	51.17	-3.30	0.01	-1.69	-0.35	-202.26
		6	-51.17	3.30	-0.01	1.69	0.18	103.39
19	2	6	5.36	-1.95	-0.02	-32.28	0.27	-46.80
		6	-5.36	1.95	0.02	32.28	0.40	-11.76
20	2	6	7.55	-2.25	-0.03	-25.43	0.24	-66.36
		6	-7.55	2.25	0.03	25.43	0.57	-1.05
21	2	6	51.17	-3.30	0.01	-1.69	-0.35	-202.26
		6	-51.17	3.30	-0.01	1.69	0.18	103.39
6	1	3	105.89	319.89	0.00	42.71	0.16	1038.96
		7	-105.89	386.96	0.00	-42.71	-0.11	-2045.02
2	3	7	-6.96	-1.57	0.04	19.12	-0.38	-14.05
		7	6.96	1.57	-0.04	-19.12	-0.73	-33.06
3	3	7	7.17	-2.45	0.01	33.41	-0.17	-52.51
		7	-7.17	2.45	-0.01	-33.41	-0.14	-21.08
4	3	7	60.36	-7.72	-0.01	0.30	0.27	-318.63
		7	-60.36	7.72	0.01	-0.30	0.08	87.08

STAAD SPACE

-- PAGE NO. 127

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
5		3	50.87	-3.28	0.00	1.62	0.33	-201.62
		7	-50.87	3.28	0.00	-1.62	-0.21	103.19
6		3	55.73	-4.19	-0.01	3.86	0.22	-236.35
		7	-55.73	4.19	0.01	-3.86	-0.04	110.59
7		3	14.68	-1.07	-0.02	3.31	0.24	-40.40
		7	-14.68	1.07	0.02	-3.31	0.51	8.30
8		3	14.68	-1.07	-0.02	3.31	0.24	-40.40
		7	-14.68	1.07	0.02	-3.31	0.51	8.30
9		3	0.18	0.19	0.00	-0.27	-0.05	0.95
		7	-0.18	-0.19	0.00	0.27	-0.06	4.82
10		3	0.18	0.19	0.00	-0.27	-0.05	0.95
		7	-0.18	-0.19	0.00	0.27	-0.06	4.82
11		3	13.54	-6.70	0.00	16.13	0.09	-114.24
		7	-13.54	6.70	0.00	-16.13	-0.24	-86.75
12		3	13.54	-6.70	0.00	16.13	0.09	-114.24
		7	-13.54	6.70	0.00	-16.13	-0.24	-86.75
13		3	38.04	-2.94	-0.03	5.07	0.40	-145.17
		7	-38.04	2.94	0.03	-5.07	0.59	56.95
14		3	38.04	-2.94	-0.03	5.07	0.40	-145.17
		7	-38.04	2.94	0.03	-5.07	0.59	56.95
15		3	63.94	-5.21	-0.02	1.02	0.39	-279.98
		7	-63.94	5.21	0.02	-1.02	0.31	123.64
16		3	63.94	-5.21	-0.02	1.02	0.39	-279.98
		7	-63.94	5.21	0.02	-1.02	0.31	123.64
17		3	63.86	-5.21	-0.02	1.85	0.38	-280.06
		7	-63.86	5.21	0.02	-1.85	0.29	123.68
18		3	63.86	-5.21	-0.02	1.85	0.38	-280.06
		7	-63.86	5.21	0.02	-1.85	0.29	123.68
19		3	10.20	-1.76	0.00	34.71	-0.06	-41.71
		7	-10.20	1.76	0.00	-34.71	0.14	-11.19
20		3	14.68	-1.07	-0.02	3.31	0.24	-40.40
		7	-14.68	1.07	0.02	-3.31	0.51	8.30
21		3	63.86	-5.21	-0.02	1.85	0.38	-280.06
		7	-63.86	5.21	0.02	-1.85	0.29	123.68
7	1	4	51.56	220.90	-0.25	172.77	2.70	-16.67
		56	-51.56	132.52	0.25	-172.77	1.10	679.53
	2	4	-8.16	0.10	0.04	38.56	-0.24	4.55
		56	8.16	-0.10	-0.04	-38.56	-0.41	-2.99
	3	4	3.81	7.91	-0.01	80.58	0.13	0.94
		56	-3.81	-7.91	0.01	-80.58	-0.04	117.69
	4	4	26.92	42.68	-0.13	41.33	1.37	-158.87
		56	-26.92	-42.68	0.13	-41.33	0.58	799.11
	5	4	18.08	2.70	-0.09	-61.84	1.11	-237.07
		56	-18.08	-2.70	0.09	61.84	0.22	277.58

STAAD SPACE

-- PAGE NO. 128

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
6	4		24.25	42.12	-0.11	73.00	1.24	-85.83
	56		-24.25	-42.12	0.11	-73.00	0.47	717.56
7	4		11.26	0.71	-0.05	-8.18	0.42	-48.66
	56		-11.26	-0.71	0.05	8.18	0.39	59.38
8	4		11.26	0.71	-0.05	-8.18	0.42	-48.66
	56		-11.26	-0.71	0.05	8.18	0.39	59.38
9	4		0.01	0.14	0.00	0.04	0.01	0.39
	56		-0.01	-0.14	0.00	-0.04	0.01	1.75
10	4		0.01	0.14	0.00	0.04	0.01	0.39
	56		-0.01	-0.14	0.00	-0.04	0.01	1.75
11	4		2.74	-6.33	-0.02	-13.89	0.33	-105.19
	56		-2.74	6.33	0.02	13.89	-0.10	10.27
12	4		2.74	-6.33	-0.02	-13.89	0.33	-105.19
	56		-2.74	6.33	0.02	13.89	-0.10	10.27
13	4		21.56	4.85	-0.10	-43.15	0.96	-168.12
	56		-21.56	-4.85	0.10	43.15	0.61	240.87
14	4		21.56	4.85	-0.10	-43.15	0.96	-168.12
	56		-21.56	-4.85	0.10	43.15	0.61	240.87
15	4		30.28	42.75	-0.15	41.80	1.49	-139.91
	56		-30.28	-42.75	0.15	-41.80	0.72	781.14
16	4		30.28	42.75	-0.15	41.80	1.49	-139.91
	56		-30.28	-42.75	0.15	-41.80	0.72	781.14
17	4		30.09	42.93	-0.15	44.65	1.48	-138.91
	56		-30.09	-42.93	0.15	-44.65	0.71	782.81
18	4		30.09	42.93	-0.15	44.65	1.48	-138.91
	56		-30.09	-42.93	0.15	-44.65	0.71	782.81
19	4		7.67	8.03	-0.03	82.03	0.24	6.65
	56		-7.67	-8.03	0.03	-82.03	0.14	113.86
20	4		11.26	0.71	-0.05	-8.18	0.42	-48.66
	56		-11.26	-0.71	0.05	8.18	0.39	59.38
21	4		30.09	42.93	-0.15	44.65	1.48	-138.91
	56		-30.09	-42.93	0.15	-44.65	0.71	782.81
8	1	5	-10.19	-272.76	1.59	39.13	-0.57	18.25
		57	10.19	308.10	-1.59	-39.13	-1.81	-453.90
2	5		-3.99	-16.95	-0.09	-12.33	0.13	6.52
		57	3.99	16.95	0.09	12.33	0.01	-31.95
3	5		0.58	-17.36	0.14	-6.34	-0.07	-61.03
		57	-0.58	17.36	-0.14	6.34	-0.14	34.99
4	5		-2.62	30.98	1.26	70.83	-0.83	-50.48
		57	2.62	-30.98	-1.26	-70.83	-1.06	96.96
5	5		-5.56	-60.26	1.67	-45.42	-0.96	-35.88
		57	5.56	60.26	-1.67	45.42	-1.54	-54.51
6	5		-3.58	-44.80	1.61	-54.14	-0.95	11.52
		57	3.58	44.80	-1.61	54.14	-1.47	-78.71

STAAD SPACE

-- PAGE NO. 129

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
7	5		2.71	-30.71	0.27	1.35	-0.16	-82.82
	57		-2.71	30.71	-0.27	-1.35	-0.26	36.76
8	5		2.71	-30.71	0.27	1.35	-0.16	-82.82
	57		-2.71	30.71	-0.27	-1.35	-0.26	36.76
9	5		-0.24	-8.68	0.09	1.79	-0.07	-4.79
	57		0.24	8.68	-0.09	-1.79	-0.07	-8.24
10	5		-0.24	-8.68	0.09	1.79	-0.07	-4.79
	57		0.24	8.68	-0.09	-1.79	-0.07	-8.24
11	5		-3.78	0.16	0.40	-9.62	-0.17	-59.84
	57		3.78	-0.16	-0.40	9.62	-0.43	60.07
12	5		-3.78	0.16	0.40	-9.62	-0.17	-59.84
	57		3.78	-0.16	-0.40	9.62	-0.43	60.07
13	5		1.93	-8.85	0.75	40.10	-0.47	-93.43
	57		-1.93	8.85	-0.75	-40.10	-0.66	80.16
14	5		1.93	-8.85	0.75	40.10	-0.47	-93.43
	57		-1.93	8.85	-0.75	-40.10	-0.66	80.16
15	5		-1.90	28.78	1.32	71.88	-0.83	-52.15
	57		1.90	-28.78	-1.32	-71.88	-1.15	95.32
16	5		-1.90	28.78	1.32	71.88	-0.83	-52.15
	57		1.90	-28.78	-1.32	-71.88	-1.15	95.32
17	5		-1.98	28.83	1.31	71.91	-0.83	-52.16
	57		1.98	-28.83	-1.31	-71.91	-1.14	95.41
18	5		-1.98	28.83	1.31	71.91	-0.83	-52.16
	57		1.98	-28.83	-1.31	-71.91	-1.14	95.41
19	5		2.20	-18.22	0.21	-6.42	-0.14	-61.71
	57		-2.20	18.22	-0.21	6.42	-0.18	34.38
20	5		2.71	-30.71	0.27	1.35	-0.16	-82.82
	57		-2.71	30.71	-0.27	-1.35	-0.26	36.76
21	5		-1.98	28.83	1.31	71.91	-0.83	-52.16
	57		1.98	-28.83	-1.31	-71.91	-1.14	95.41
9	1	6	-111.73	343.67	-13.24	146.15	1.10	1874.27
	60		111.73	-320.11	13.24	-146.15	12.14	-1542.38
	2	6	-16.27	-212.62	-2.05	-90.23	1.21	-228.84
	60		16.27	212.62	2.05	90.23	0.84	16.22
	3	6	-53.38	96.43	-1.99	17.86	0.86	675.15
	60		53.38	-96.43	1.99	-17.86	1.13	-578.72
	4	6	-9.76	-55.78	-24.22	799.26	12.80	-108.21
	60		9.76	55.78	24.22	-799.26	11.42	52.43
	5	6	-11.12	246.68	-34.22	719.16	17.31	720.34
	60		11.12	-246.68	34.22	-719.16	16.91	-473.67
	6	6	-25.83	24.73	-27.06	661.15	13.69	412.55
	60		25.83	-24.73	27.06	-661.15	13.38	-387.82
	7	6	-27.51	508.82	-2.84	88.14	1.02	1138.27
	60		27.51	-508.82	2.84	-88.14	1.82	-629.45

STAAD SPACE

-- PAGE NO. 130

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
8	6		-27.51	508.82	-2.84	88.14	1.02	1138.27
	60		27.51	-508.82	2.84	-88.14	1.82	-629.45
9	6		0.75	-3.61	-1.86	7.70	0.69	-1.90
	60		-0.75	3.61	1.86	-7.70	1.18	-1.71
10	6		0.75	-3.61	-1.86	7.70	0.69	-1.90
	60		-0.75	3.61	1.86	-7.70	1.18	-1.71
11	6		-7.22	-18.21	-8.76	16.28	3.55	46.16
	60		7.22	18.21	8.76	-16.28	5.20	-64.37
12	6		-7.22	-18.21	-8.76	16.28	3.55	46.16
	60		7.22	18.21	8.76	-16.28	5.20	-64.37
13	6		-29.66	426.58	-12.70	441.76	6.11	1013.66
	60		29.66	-426.58	12.70	-441.76	6.59	-587.08
14	6		-29.66	426.58	-12.70	441.76	6.11	1013.66
	60		29.66	-426.58	12.70	-441.76	6.59	-587.08
15	6		-9.02	-45.55	-21.01	781.35	10.49	-99.78
	60		9.02	45.55	21.01	-781.35	10.53	54.22
16	6		-9.02	-45.55	-21.01	781.35	10.49	-99.78
	60		9.02	45.55	21.01	-781.35	10.53	54.22
17	6		-9.16	-43.06	-21.06	781.72	10.51	-97.78
	60		9.16	43.06	21.06	-781.72	10.55	54.72
18	6		-9.16	-43.06	-21.06	781.72	10.51	-97.78
	60		9.16	43.06	21.06	-781.72	10.55	54.72
19	6		-51.75	103.60	0.26	14.81	-0.74	695.11
	60		51.75	-103.60	-0.26	-14.81	0.48	-591.51
20	6		-27.51	508.82	-2.84	88.14	1.02	1138.27
	60		27.51	-508.82	2.84	-88.14	1.82	-629.45
21	6		-9.16	-43.06	-21.06	781.72	10.51	-97.78
	60		9.16	43.06	21.06	-781.72	10.55	54.72
10	1	7	126.56	2209.79	-5.82	300.74	1.41	4778.71
		63	-126.56	-2198.01	5.82	-300.74	1.49	-3676.76
2	7		22.02	515.00	15.67	-233.24	-3.85	1135.25
	63		-22.02	-515.00	-15.67	233.24	-3.98	-877.76
3	7		43.15	802.84	-1.45	36.31	0.63	1859.34
	63		-43.15	-802.84	1.45	-36.31	0.10	-1457.92
4	7		28.19	722.95	-79.76	1700.97	18.44	1209.39
	63		-28.19	-722.95	79.76	-1700.97	21.44	-847.92
5	7		15.21	143.88	-50.13	1081.14	10.81	191.67
	63		-15.21	-143.88	50.13	-1081.14	14.25	-119.73
6	7		34.24	532.21	-61.92	1413.49	13.52	1171.92
	63		-34.24	-532.21	61.92	-1413.49	17.44	-905.82
7	7		3.37	290.83	-7.12	139.82	1.62	156.54
	63		-3.37	-290.83	7.12	-139.82	1.94	-11.12
8	7		3.37	290.83	-7.12	139.82	1.62	156.54
	63		-3.37	-290.83	7.12	-139.82	1.94	-11.12

STAAD SPACE

-- PAGE NO. 131

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
9	7	63	0.33	-4.86	0.33	22.15	0.88	-16.16
		63	-0.33	4.86	-0.33	-22.15	-1.05	13.73
10	7	63	0.33	-4.86	0.33	22.15	0.88	-16.16
		63	-0.33	4.86	-0.33	-22.15	-1.05	13.73
11	7	63	17.49	414.52	15.37	-443.27	-4.28	762.14
		63	-17.49	-414.52	-15.37	443.27	-3.41	-554.88
12	7	63	17.49	414.52	15.37	-443.27	-4.28	762.14
		63	-17.49	-414.52	-15.37	443.27	-3.41	-554.88
13	7	63	10.12	236.04	-37.18	777.42	8.56	256.46
		63	-10.12	-236.04	37.18	-777.42	10.03	-138.45
14	7	63	10.12	236.04	-37.18	777.42	8.56	256.46
		63	-10.12	-236.04	37.18	-777.42	10.03	-138.45
15	7	63	27.10	721.68	-76.23	1665.95	17.00	1205.00
		63	-27.10	-721.68	76.23	-1665.95	21.12	-844.16
16	7	63	27.10	721.68	-76.23	1665.95	17.00	1205.00
		63	-27.10	-721.68	76.23	-1665.95	21.12	-844.16
17	7	63	27.70	732.59	-76.19	1665.78	17.00	1229.44
		63	-27.70	-732.59	76.19	-1665.78	21.09	-863.14
18	7	63	27.70	732.59	-76.19	1665.78	17.00	1229.44
		63	-27.70	-732.59	76.19	-1665.78	21.09	-863.14
19	7	63	43.19	798.69	-3.28	26.35	1.08	1858.22
		63	-43.19	-798.69	3.28	-26.35	0.56	-1458.87
20	7	63	3.37	290.83	-7.12	139.82	1.62	156.54
		63	-3.37	-290.83	7.12	-139.82	1.94	-11.12
21	7	63	27.70	732.59	-76.19	1665.78	17.00	1229.44
		63	-27.70	-732.59	76.19	-1665.78	21.09	-863.14
11	1	67	74.47	233.23	0.04	11.21	-0.32	962.47
		67	-74.47	120.20	-0.04	-11.21	-0.33	-114.75
2	5	67	42.27	-0.35	0.02	4.60	0.26	-40.87
		67	-42.27	0.35	-0.02	-4.60	-0.64	35.56
3	5	67	4.83	-8.29	0.04	92.61	-0.22	-71.65
		67	-4.83	8.29	-0.04	-92.61	-0.30	-52.63
4	5	67	3.85	-0.14	-0.06	-10.22	0.45	249.38
		67	-3.85	0.14	0.06	10.22	0.39	-251.46
5	5	67	35.33	4.69	0.00	115.27	0.34	427.67
		67	-35.33	-4.69	0.00	-115.27	-0.33	-357.32
6	5	67	17.39	4.32	-0.02	107.69	0.29	379.14
		67	-17.39	-4.32	0.02	-107.69	0.00	-314.36
7	5	67	-19.01	-6.66	0.05	93.83	-0.61	-33.11
		67	19.01	6.66	-0.05	-93.83	-0.07	-66.79
8	5	67	-19.01	-6.66	0.05	93.83	-0.61	-33.11
		67	19.01	6.66	-0.05	-93.83	-0.07	-66.79
9	5	67	-0.11	-1.18	0.00	-5.52	-0.01	-10.50
		67	0.11	1.18	0.00	5.52	-0.01	-7.26

STAAD SPACE

-- PAGE NO. 132

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
10	5		-0.11	-1.18	0.00	-5.52	-0.01	-10.50
	67		0.11	1.18	0.00	5.52	-0.01	-7.26
11	5		28.69	-1.63	0.00	33.92	0.21	107.08
	67		-28.69	1.63	0.00	-33.92	-0.15	-131.56
12	5		28.69	-1.63	0.00	33.92	0.21	107.08
	67		-28.69	1.63	0.00	-33.92	-0.15	-131.56
13	5		-19.20	-7.63	0.03	79.10	-0.48	53.52
	67		19.20	7.63	-0.03	-79.10	0.07	-167.94
14	5		-19.20	-7.63	0.03	79.10	-0.48	53.52
	67		19.20	7.63	-0.03	-79.10	0.07	-167.94
15	5		-4.48	-0.18	-0.06	-9.72	0.36	261.38
	67		4.48	0.18	0.06	9.72	0.59	-264.05
16	5		-4.48	-0.18	-0.06	-9.72	0.36	261.38
	67		4.48	0.18	0.06	9.72	0.59	-264.05
17	5		-3.85	-0.19	-0.06	-9.72	0.37	261.34
	67		3.85	0.19	0.06	9.72	0.59	-264.20
18	5		-3.85	-0.19	-0.06	-9.72	0.37	261.34
	67		3.85	0.19	0.06	9.72	0.59	-264.20
19	5		-13.76	-8.17	0.01	93.51	-0.29	-68.69
	67		13.76	8.17	-0.01	-93.51	0.07	-53.80
20	5		-19.01	-6.66	0.05	93.83	-0.61	-33.11
	67		19.01	6.66	-0.05	-93.83	-0.07	-66.79
21	5		-3.85	-0.19	-0.06	-9.72	0.37	261.34
	67		3.85	0.19	0.06	9.72	0.59	-264.20
12	1	6	72.88	357.96	-0.01	2.35	0.20	1867.03
	10		-72.88	348.89	0.01	-2.35	0.11	-1730.91
	2	6	16.56	-3.44	0.02	3.01	0.26	-44.37
	10		-16.56	3.44	-0.02	-3.01	-0.74	-58.74
	3	6	4.97	1.64	0.01	33.80	-0.07	19.84
	10		-4.97	-1.64	-0.01	-33.80	-0.12	29.38
	4	6	-3.05	9.90	-0.02	3.19	0.25	223.75
	10		3.05	-9.90	0.02	-3.19	0.42	73.14
	5	6	11.77	14.00	0.02	21.62	0.05	314.23
	10		-11.77	-14.00	-0.02	-21.62	-0.64	105.76
	6	6	4.77	12.48	0.00	23.47	0.10	276.93
	10		-4.77	-12.48	0.00	-23.47	-0.06	97.53
	7	6	-1.08	3.01	0.02	28.36	-0.47	48.16
	10		1.08	-3.01	-0.02	-28.36	-0.07	42.03
	8	6	-1.08	3.01	0.02	28.36	-0.47	48.16
	10		1.08	-3.01	-0.02	-28.36	-0.07	42.03
	9	6	-1.07	-1.52	-0.01	-4.76	0.09	-12.76
	10		1.07	1.52	0.01	4.76	0.09	-32.99
	10	6	-1.07	-1.52	-0.01	-4.76	0.09	-12.76
	10		1.07	1.52	0.01	4.76	0.09	-32.99

STAAD SPACE

-- PAGE NO. 133

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
11	6		18.11	5.56	0.00	5.23	0.16	91.24
	10		-18.11	-5.56	0.00	-5.23	-0.14	75.51
12	6		18.11	5.56	0.00	5.23	0.16	91.24
	10		-18.11	-5.56	0.00	-5.23	-0.14	75.51
13	6		-2.97	7.11	0.01	30.12	-0.42	144.14
	10		2.97	-7.11	-0.01	-30.12	0.06	69.15
14	6		-2.97	7.11	0.01	30.12	-0.42	144.14
	10		2.97	-7.11	-0.01	-30.12	0.06	69.15
15	6		-3.70	11.43	-0.03	4.16	0.17	250.22
	10		3.70	-11.43	0.03	-4.16	0.66	92.79
16	6		-3.70	11.43	-0.03	4.16	0.17	250.22
	10		3.70	-11.43	0.03	-4.16	0.66	92.79
17	6		-3.55	11.43	-0.03	4.20	0.18	250.24
	10		3.55	-11.43	0.03	-4.20	0.66	92.74
18	6		-3.55	11.43	-0.03	4.20	0.18	250.24
	10		3.55	-11.43	0.03	-4.20	0.66	92.74
19	6		-1.96	2.11	-0.01	35.40	-0.11	26.65
	10		1.96	-2.11	0.01	-35.40	0.39	36.75
20	6		-1.08	3.01	0.02	28.36	-0.47	48.16
	10		1.08	-3.01	-0.02	-28.36	-0.07	42.03
21	6		-3.55	11.43	-0.03	4.20	0.18	250.24
	10		3.55	-11.43	0.03	-4.20	0.66	92.74
13	1	7	72.88	357.96	0.01	-2.35	-0.20	1867.03
	11		-72.88	348.89	-0.01	2.35	-0.11	-1730.91
2	7		-11.80	-5.42	0.01	0.51	0.30	-72.44
	11		11.80	5.42	-0.01	-0.51	-0.66	-90.25
3	7		4.78	1.54	0.00	-32.67	0.05	16.70
	11		-4.78	-1.54	0.00	32.67	0.08	29.55
4	7		3.17	12.45	-0.01	-23.23	-0.04	286.96
	11		-3.17	-12.45	0.01	23.23	0.33	86.56
5	7		-3.77	11.40	0.03	-3.98	-0.16	249.56
	11		3.77	-11.40	-0.03	3.98	-0.66	92.35
6	7		3.37	12.44	0.00	-23.78	-0.04	275.67
	11		-3.37	-12.44	0.00	23.78	0.01	97.45
7	7		10.54	2.29	0.01	-0.88	-0.44	40.89
	11		-10.54	-2.29	-0.01	0.88	0.02	27.90
8	7		10.54	2.29	0.01	-0.88	-0.44	40.89
	11		-10.54	-2.29	-0.01	0.88	0.02	27.90
9	7		-1.35	-1.65	0.01	5.31	-0.09	-13.46
	11		1.35	1.65	-0.01	-5.31	-0.10	-36.04
10	7		-1.35	-1.65	0.01	5.31	-0.09	-13.46
	11		1.35	1.65	-0.01	-5.31	-0.10	-36.04
11	7		13.48	4.57	0.00	0.11	0.10	25.08
	11		-13.48	-4.57	0.00	-0.11	-0.24	112.03

STAAD SPACE

-- PAGE NO. 134

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
12	7		13.48	4.57	0.00	0.11	0.10	25.08
	11		-13.48	-4.57	0.00	-0.11	-0.24	112.03
13	7		11.45	7.18	0.01	-5.91	-0.50	157.84
	11		-11.45	-7.18	-0.01	5.91	0.12	57.67
14	7		11.45	7.18	0.01	-5.91	-0.50	157.84
	11		-11.45	-7.18	-0.01	5.91	0.12	57.67
15	7		11.73	13.97	-0.02	-21.48	-0.04	313.69
	11		-11.73	-13.97	0.02	21.48	0.65	105.45
16	7		11.73	13.97	-0.02	-21.48	-0.04	313.69
	11		-11.73	-13.97	0.02	21.48	0.65	105.45
17	7		11.59	13.97	-0.02	-21.79	-0.03	313.67
	11		-11.59	-13.97	0.02	21.79	0.65	105.45
18	7		11.59	13.97	-0.02	-21.79	-0.03	313.67
	11		-11.59	-13.97	0.02	21.79	0.65	105.45
19	7		13.77	1.94	-0.02	-30.95	0.02	23.70
	11		-13.77	-1.94	0.02	30.95	0.59	34.46
20	7		10.54	2.29	0.01	-0.88	-0.44	40.89
	11		-10.54	-2.29	-0.01	0.88	0.02	27.90
21	7		11.59	13.97	-0.02	-21.79	-0.03	313.67
	11		-11.59	-13.97	0.02	21.79	0.65	105.45
14	1	8	74.47	233.23	-0.04	-11.21	0.32	962.47
	76		-74.47	120.20	0.04	11.21	0.33	-114.75
2	8		-37.51	5.03	0.00	-3.32	0.49	-41.56
	76		37.51	-5.03	0.00	3.32	-0.45	117.05
3	8		4.38	-6.86	-0.03	-83.76	0.21	-67.82
	76		-4.38	6.86	0.03	83.76	0.28	-35.09
4	8		19.32	4.57	0.01	-114.91	-0.30	411.67
	76		-19.32	-4.57	-0.01	114.91	0.11	-343.14
5	8		-4.90	-0.19	0.06	9.84	-0.35	260.89
	76		4.90	0.19	-0.06	-9.84	-0.59	-263.70
6	8		12.69	3.88	0.02	-106.64	-0.22	371.97
	76		-12.69	-3.88	-0.02	106.64	-0.05	-313.77
7	8		29.95	-0.60	0.02	-1.79	-0.50	35.65
	76		-29.95	0.60	-0.02	1.79	0.13	-44.58
8	8		29.95	-0.60	0.02	-1.79	-0.50	35.65
	76		-29.95	0.60	-0.02	1.79	0.13	-44.58
9	8		-0.61	-1.51	0.00	5.61	0.01	-11.12
	76		0.61	1.51	0.00	-5.61	-0.01	-11.50
10	8		-0.61	-1.51	0.00	5.61	0.01	-11.12
	76		0.61	1.51	0.00	-5.61	-0.01	-11.50
11	8		-0.07	41.98	-0.01	72.54	0.24	229.83
	76		0.07	-41.98	0.01	-72.54	-0.11	399.82
12	8		-0.07	41.98	-0.01	72.54	0.24	229.83
	76		0.07	-41.98	0.01	-72.54	-0.11	399.82

STAAD SPACE

-- PAGE NO. 135

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
13	8	76	38.81	-0.79	0.04	-11.65	-0.68	175.51
		76	-38.81	0.79	-0.04	11.65	0.14	-187.36
14	8	76	38.81	-0.79	0.04	-11.65	-0.68	175.51
		76	-38.81	0.79	-0.04	11.65	0.14	-187.36
15	8	76	34.94	4.40	0.00	-113.38	-0.32	423.18
		76	-34.94	-4.40	0.00	113.38	0.34	-357.15
16	8	76	34.94	4.40	0.00	-113.38	-0.32	423.18
		76	-34.94	-4.40	0.00	113.38	0.34	-357.15
17	8	76	34.33	4.19	0.00	-114.39	-0.31	421.08
		76	-34.33	-4.19	0.00	114.39	0.34	-358.29
18	8	76	34.33	4.19	0.00	-114.39	-0.31	421.08
		76	-34.33	-4.19	0.00	114.39	0.34	-358.29
19	8	76	24.79	-7.01	-0.06	-82.71	0.16	-65.00
		76	-24.79	7.01	0.06	82.71	0.67	-40.19
20	8	76	29.95	-0.60	0.02	-1.79	-0.50	35.65
		76	-29.95	0.60	-0.02	1.79	0.13	-44.58
21	8	76	34.33	4.19	0.00	-114.39	-0.31	421.08
		76	-34.33	-4.19	0.00	114.39	0.34	-358.29
15	1	77	-10.05	-368.61	0.16	-1.28	0.07	-23.36
		77	10.05	403.95	-0.16	1.28	-0.31	-556.06
2	9	77	-6.46	16.86	-0.13	-12.98	0.12	21.71
		77	6.46	-16.86	0.13	12.98	0.07	3.58
3	9	77	-0.70	-44.88	0.42	-36.69	-0.24	8.51
		77	0.70	44.88	-0.42	36.69	-0.40	-75.83
4	9	77	1.13	-32.61	-0.16	-13.91	0.10	-11.80
		77	-1.13	32.61	0.16	13.91	0.14	-37.13
5	9	77	-6.65	-31.72	-0.43	-12.76	0.37	-11.91
		77	6.65	31.72	0.43	12.76	0.28	-35.67
6	9	77	-2.60	-42.06	-0.18	-17.21	0.20	-14.58
		77	2.60	42.06	0.18	17.21	0.07	-48.51
7	9	77	0.49	-42.74	0.16	-37.50	-0.08	-0.45
		77	-0.49	42.74	-0.16	37.50	-0.17	-63.66
8	9	77	0.49	-42.74	0.16	-37.50	-0.08	-0.45
		77	-0.49	42.74	-0.16	37.50	-0.17	-63.66
9	9	77	-0.42	-44.14	-0.42	36.24	0.25	9.24
		77	0.42	44.14	0.42	-36.24	0.38	-75.45
10	9	77	-0.42	-44.14	-0.42	36.24	0.25	9.24
		77	0.42	44.14	0.42	-36.24	0.38	-75.45
11	9	77	-3.39	1.32	0.17	25.78	-0.08	-13.05
		77	3.39	-1.32	-0.17	-25.78	-0.17	15.03
12	9	77	-3.39	1.32	0.17	25.78	-0.08	-13.05
		77	3.39	-1.32	-0.17	-25.78	-0.17	15.03
13	9	77	0.81	-55.77	0.03	-47.93	0.02	-3.10
		77	-0.81	55.77	-0.03	47.93	-0.06	-80.56

STAAD SPACE

-- PAGE NO. 136

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
14	9	77	0.81	-55.77	0.03	-47.93	0.02	-3.10
		77	-0.81	55.77	-0.03	47.93	-0.06	-80.56
15	9	77	2.45	-26.21	-0.18	-16.01	0.16	-9.09
		77	-2.45	26.21	0.18	16.01	0.11	-30.23
16	9	77	2.45	-26.21	-0.18	-16.01	0.16	-9.09
		77	-2.45	26.21	0.18	16.01	0.11	-30.23
17	9	77	2.42	-26.17	-0.17	-16.03	0.16	-9.01
		77	-2.42	26.17	0.17	16.03	0.11	-30.24
18	9	77	2.42	-26.17	-0.17	-16.03	0.16	-9.01
		77	-2.42	26.17	0.17	16.03	0.11	-30.24
19	9	77	2.78	-41.89	0.51	-38.32	-0.31	10.41
		77	-2.78	41.89	-0.51	38.32	-0.46	-73.24
20	9	77	0.49	-42.74	0.16	-37.50	-0.08	-0.45
		77	-0.49	42.74	-0.16	37.50	-0.17	-63.66
21	9	77	2.42	-26.17	-0.17	-16.03	0.16	-9.01
		77	-2.42	26.17	0.17	16.03	0.11	-30.24
16	1	80	-114.31	318.67	-0.62	-18.47	-1.36	1829.08
		80	114.31	-295.11	0.62	18.47	1.98	-1522.19
	2	80	-14.24	-195.14	3.38	-163.34	-1.78	-307.37
		80	14.24	195.14	-3.38	163.34	-1.59	112.22
	3	80	-4.75	-53.17	-0.94	49.18	1.07	55.76
		80	4.75	53.17	0.94	-49.18	-0.13	-108.93
	4	80	-0.42	-49.97	1.00	-41.79	-0.22	-73.33
		80	0.42	49.97	-1.00	41.79	-0.77	23.36
	5	80	4.10	67.02	4.20	-62.16	-2.24	94.70
		80	-4.10	-67.02	-4.20	62.16	-1.96	-27.69
	6	80	1.94	-13.38	4.84	-70.62	-2.55	-9.12
		80	-1.94	13.38	-4.84	70.62	-2.29	-4.26
	7	80	0.35	23.16	-3.03	26.21	1.85	170.84
		80	-0.35	-23.16	3.03	-26.21	1.18	-147.68
	8	80	0.35	23.16	-3.03	26.21	1.85	170.84
		80	-0.35	-23.16	3.03	-26.21	1.18	-147.68
	9	80	-5.18	-54.71	0.67	-54.67	-0.97	54.92
		80	5.18	54.71	-0.67	54.67	0.30	-109.62
	10	80	-5.18	-54.71	0.67	-54.67	-0.97	54.92
		80	5.18	54.71	-0.67	54.67	0.30	-109.62
	11	80	-7.63	104.41	-2.08	210.75	0.69	-40.23
		80	7.63	-104.41	2.08	-210.75	1.39	144.64
	12	80	-7.63	104.41	-2.08	210.75	0.69	-40.23
		80	7.63	-104.41	2.08	-210.75	1.39	144.64
	13	80	0.05	9.60	-1.47	-30.69	1.03	155.79
		80	-0.05	-9.60	1.47	30.69	0.44	-146.19
	14	80	0.05	9.60	-1.47	-30.69	1.03	155.79
		80	-0.05	-9.60	1.47	30.69	0.44	-146.19

STAAD SPACE

-- PAGE NO. 137

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
15	10		-1.11	-70.34	4.36	-82.37	-2.51	-122.19
	80		1.11	70.34	-4.36	82.37	-1.85	51.85
16	10		-1.11	-70.34	4.36	-82.37	-2.51	-122.19
	80		1.11	70.34	-4.36	82.37	-1.85	51.85
17	10		-1.13	-70.35	4.42	-82.40	-2.55	-122.23
	80		1.13	70.35	-4.42	82.40	-1.88	51.88
18	10		-1.13	-70.35	4.42	-82.40	-2.55	-122.23
	80		1.13	70.35	-4.42	82.40	-1.88	51.88
19	10		-3.86	-69.63	0.64	42.53	-0.08	8.56
	80		3.86	69.63	-0.64	-42.53	-0.56	-78.19
20	10		0.35	23.16	-3.03	26.21	1.85	170.84
	80		-0.35	-23.16	3.03	-26.21	1.18	-147.68
21	10		-1.13	-70.35	4.42	-82.40	-2.55	-122.23
	80		1.13	70.35	-4.42	82.40	-1.88	51.88
17	1	11	117.95	2146.48	5.14	-47.48	-1.24	4613.98
		83	-117.95	-2134.70	-5.14	47.48	-1.32	-3543.68
	2	11	24.08	588.05	17.85	-383.77	-4.75	1138.39
		83	-24.08	-588.05	-17.85	383.77	-4.18	-844.37
	3	11	7.33	110.39	-10.77	211.95	0.98	181.88
		83	-7.33	-110.39	10.77	-211.95	4.40	-126.69
	4	11	-6.82	-84.36	0.53	-140.10	-0.25	-108.32
		83	6.82	84.36	-0.53	140.10	-0.02	66.14
	5	11	10.01	19.28	8.61	-82.36	-2.30	10.27
		83	-10.01	-19.28	-8.61	82.36	-2.00	-0.63
	6	11	1.35	-11.58	7.29	-143.84	-2.52	-43.89
		83	-1.35	11.58	-7.29	143.84	-1.12	38.09
	7	11	5.03	-1.37	0.27	35.96	-0.81	11.14
		83	-5.03	1.37	-0.27	-35.96	0.67	-11.83
	8	11	5.03	-1.37	0.27	35.96	-0.81	11.14
		83	-5.03	1.37	-0.27	-35.96	0.67	-11.83
	9	11	7.65	120.84	11.11	-231.41	-0.90	203.28
		83	-7.65	-120.84	-11.11	231.41	-4.65	-142.86
	10	11	7.65	120.84	11.11	-231.41	-0.90	203.28
		83	-7.65	-120.84	-11.11	231.41	-4.65	-142.86
	11	11	12.36	428.87	-27.36	729.77	6.80	763.71
		83	-12.36	-428.87	27.36	-729.77	6.89	-549.28
	12	11	12.36	428.87	-27.36	729.77	6.80	763.71
		83	-12.36	-428.87	27.36	-729.77	6.89	-549.28
	13	11	2.51	-52.90	5.69	-94.71	-2.17	-42.46
		83	-2.51	52.90	-5.69	94.71	-0.67	16.01
	14	11	2.51	-52.90	5.69	-94.71	-2.17	-42.46
		83	-2.51	52.90	-5.69	94.71	-0.67	16.01
	15	11	-10.33	-70.27	8.13	-225.95	-2.46	-95.52
		83	10.33	70.27	-8.13	225.95	-1.61	60.39

STAAD SPACE

-- PAGE NO. 138

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
16	11		-10.33	-70.27	8.13	-225.95	-2.46	-95.52
	83		10.33	70.27	-8.13	225.95	-1.61	60.39
17	11		-10.24	-68.95	7.99	-225.08	-2.43	-94.00
	83		10.24	68.95	-7.99	225.08	-1.56	59.52
18	11		-10.24	-68.95	7.99	-225.08	-2.43	-94.00
	83		10.24	68.95	-7.99	225.08	-1.56	59.52
19	11		3.22	124.88	-11.04	178.98	1.05	191.61
	83		-3.22	-124.88	11.04	-178.98	4.47	-129.17
20	11		5.03	-1.37	0.27	35.96	-0.81	11.14
	83		-5.03	1.37	-0.27	-35.96	0.67	-11.83
21	11		-10.24	-68.95	7.99	-225.08	-2.43	-94.00
	83		10.24	68.95	-7.99	225.08	-1.56	59.52
18	1	9	75.04	233.01	0.04	0.47	-0.32	851.99
		87	-75.04	120.41	-0.04	-0.47	-0.31	-7.49
2	9		59.06	-1.97	0.00	-1.54	0.55	-50.78
		87	-59.06	1.97	0.00	1.54	-0.57	21.21
3	9		2.23	2.40	0.00	25.12	0.04	64.31
		87	-2.23	-2.40	0.00	-25.12	0.00	-28.28
4	9		-15.08	-0.52	0.00	2.12	-0.24	-47.77
		87	15.08	0.52	0.00	-2.12	0.26	39.95
5	9		54.62	0.56	-0.01	-9.40	0.53	-47.77
		87	-54.62	-0.56	0.01	9.40	-0.39	56.10
6	9		15.71	0.56	0.00	-1.82	0.03	-30.43
		87	-15.71	-0.56	0.00	1.82	0.00	38.79
7	9		-5.40	1.99	0.01	27.38	-0.13	62.14
		87	5.40	-1.99	-0.01	-27.38	0.04	-32.32
8	9		-5.40	1.99	0.01	27.38	-0.13	62.14
		87	5.40	-1.99	-0.01	-27.38	0.04	-32.32
9	9		2.93	9.99	-0.01	-79.22	0.02	51.55
		87	-2.93	-9.99	0.01	79.22	0.11	98.25
10	9		2.93	9.99	-0.01	-79.22	0.02	51.55
		87	-2.93	-9.99	0.01	79.22	0.11	98.25
11	9		24.00	-0.06	-0.02	-10.76	0.33	-22.32
		87	-24.00	0.06	0.02	10.76	-0.07	21.42
12	9		24.00	-0.06	-0.02	-10.76	0.33	-22.32
		87	-24.00	0.06	0.02	10.76	-0.07	21.42
13	9		-8.68	2.26	0.01	31.66	-0.25	47.03
		87	8.68	-2.26	-0.01	-31.66	0.10	-13.11
14	9		-8.68	2.26	0.01	31.66	-0.25	47.03
		87	8.68	-2.26	-0.01	-31.66	0.10	-13.11
15	9		-27.04	0.38	0.01	5.98	-0.53	-14.57
		87	27.04	-0.38	-0.01	-5.98	0.42	20.28
16	9		-27.04	0.38	0.01	5.98	-0.53	-14.57
		87	27.04	-0.38	-0.01	-5.98	0.42	20.28

STAAD SPACE

-- PAGE NO. 139

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
17	9		-26.88	0.38	0.01	5.98	-0.53	-14.67
	87		26.88	-0.38	-0.01	-5.98	0.43	20.31
18	9		-26.88	0.38	0.01	5.98	-0.53	-14.67
	87		26.88	-0.38	-0.01	-5.98	0.43	20.31
19	9		-32.66	1.95	-0.01	27.09	-0.31	68.47
	87		32.66	-1.95	0.01	-27.09	0.48	-39.25
20	9		-5.40	1.99	0.01	27.38	-0.13	62.14
	87		5.40	-1.99	-0.01	-27.38	0.04	-32.32
21	9		-26.88	0.38	0.01	5.98	-0.53	-14.67
	87		26.88	-0.38	-0.01	-5.98	0.43	20.31
19	1	10	76.13	353.42	0.00	0.00	0.01	1758.19
		14	-76.13	353.42	0.00	0.00	-0.01	-1758.19
	2	10	26.77	-0.66	0.00	0.45	0.56	-30.88
		14	-26.77	0.66	0.00	-0.45	-0.53	11.20
	3	10	0.30	1.00	0.01	4.63	-0.07	24.06
		14	-0.30	-1.00	-0.01	-4.63	-0.08	6.08
	4	10	-0.47	-5.49	0.00	-2.99	-0.25	-80.11
		14	0.47	5.49	0.00	2.99	0.24	-84.51
	5	10	29.36	-0.08	0.00	-0.07	0.44	-33.56
		14	-29.36	0.08	0.00	0.07	-0.41	31.13
	6	10	16.50	-0.01	0.00	-0.01	0.00	-26.41
		14	-16.50	0.01	0.00	0.01	0.03	26.20
	7	10	0.31	1.67	0.01	5.21	-0.23	30.20
		14	-0.31	-1.67	-0.01	-5.21	-0.06	19.94
	8	10	0.31	1.67	0.01	5.21	-0.23	30.20
		14	-0.31	-1.67	-0.01	-5.21	-0.06	19.94
	9	10	3.80	-1.74	-0.01	-33.24	0.13	-34.09
		14	-3.80	1.74	0.01	33.24	0.11	-18.03
	10	10	3.80	-1.74	-0.01	-33.24	0.13	-34.09
		14	-3.80	1.74	0.01	33.24	0.11	-18.03
	11	10	8.32	-4.20	-0.01	-3.86	0.28	-22.08
		14	-8.32	4.20	0.01	3.86	-0.11	-104.04
	12	10	8.32	-4.20	-0.01	-3.86	0.28	-22.08
		14	-8.32	4.20	0.01	3.86	-0.11	-104.04
	13	10	3.09	0.64	0.01	5.28	-0.34	5.99
		14	-3.09	-0.64	-0.01	-5.28	-0.01	13.18
	14	10	3.09	0.64	0.01	5.28	-0.34	5.99
		14	-3.09	-0.64	-0.01	-5.28	-0.01	13.18
	15	10	2.84	0.00	0.00	-0.01	-0.48	-21.10
		14	-2.84	0.00	0.00	0.01	0.47	21.22
	16	10	2.84	0.00	0.00	-0.01	-0.48	-21.10
		14	-2.84	0.00	0.00	0.01	0.47	21.22
	17	10	2.84	0.00	0.00	0.01	-0.47	-21.20
		14	-2.84	0.00	0.00	-0.01	0.48	21.11

STAAD SPACE

-- PAGE NO. 140

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
18	10		2.84	0.00	0.00	0.01	-0.47	-21.20
	14		-2.84	0.00	0.00	-0.01	0.48	21.11
19	10		-10.54	1.70	-0.01	5.79	-0.35	33.66
	14		10.54	-1.70	0.01	-5.79	0.52	17.19
20	10		0.31	1.67	0.01	5.21	-0.23	30.20
	14		-0.31	-1.67	-0.01	-5.21	-0.06	19.94
21	10		2.84	0.00	0.00	0.01	-0.47	-21.20
	14		-2.84	0.00	0.00	-0.01	0.48	21.11
20	1	11	76.13	353.42	0.00	0.00	-0.01	1758.19
		15	-76.13	353.42	0.00	0.00	0.01	-1758.19
2	11		-4.64	-0.90	0.00	0.43	0.62	-45.14
	15		4.64	0.90	0.00	-0.43	-0.53	18.12
3	11		-0.34	1.08	-0.01	-4.89	0.10	25.93
	15		0.34	-1.08	0.01	4.89	0.07	6.56
4	11		14.27	-5.86	0.00	-0.07	-0.22	-94.86
	15		-14.27	5.86	0.00	0.07	0.26	-81.04
5	11		2.97	0.06	0.00	-0.02	0.48	-20.64
	15		-2.97	-0.06	0.00	0.02	-0.46	22.45
6	11		15.36	0.02	0.00	-0.06	0.07	-25.79
	15		-15.36	-0.02	0.00	0.06	-0.04	26.28
7	11		5.81	1.51	0.00	0.22	-0.15	20.63
	15		-5.81	-1.51	0.00	-0.22	0.00	24.69
8	11		5.81	1.51	0.00	0.22	-0.15	20.63
	15		-5.81	-1.51	0.00	-0.22	0.00	24.69
9	11		4.27	-1.61	0.01	31.97	-0.10	-34.76
	15		-4.27	1.61	-0.01	-31.97	-0.06	-13.67
10	11		4.27	-1.61	0.01	31.97	-0.10	-34.76
	15		-4.27	1.61	-0.01	-31.97	-0.06	-13.67
11	11		-4.01	-1.89	-0.01	3.06	0.25	47.63
	15		4.01	1.89	0.01	-3.06	0.01	-104.24
12	11		-4.01	-1.89	-0.01	3.06	0.25	47.63
	15		4.01	1.89	0.01	-3.06	0.01	-104.24
13	11		13.26	0.34	0.01	0.63	-0.24	-10.28
	15		-13.26	-0.34	-0.01	-0.63	0.04	20.48
14	11		13.26	0.34	0.01	0.63	-0.24	-10.28
	15		-13.26	-0.34	-0.01	-0.63	0.04	20.48
15	11		29.53	0.00	0.00	0.03	-0.43	-32.81
	15		-29.53	0.00	0.00	-0.03	0.42	32.72
16	11		29.53	0.00	0.00	0.03	-0.43	-32.81
	15		-29.53	0.00	0.00	-0.03	0.42	32.72
17	11		29.52	0.00	0.00	-0.02	-0.42	-32.74
	15		-29.52	0.00	0.00	0.02	0.43	32.78
18	11		29.52	0.00	0.00	-0.02	-0.42	-32.74
	15		-29.52	0.00	0.00	0.02	0.43	32.78

STAAD SPACE

-- PAGE NO. 141

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
19	11		14.52	2.43	-0.01	-4.33	-0.20	40.18
	15		-14.52	-2.43	0.01	4.33	0.63	32.58
20	11		5.81	1.51	0.00	0.22	-0.15	20.63
	15		-5.81	-1.51	0.00	-0.22	0.00	24.69
21	11		29.52	0.00	0.00	-0.02	-0.42	-32.74
	15		-29.52	0.00	0.00	0.02	0.43	32.78
21	1	12	75.04	233.01	-0.04	-0.47	0.32	851.99
		96	-75.04	120.41	0.04	0.47	0.31	-7.49
	2	12	-43.36	41.73	-0.02	15.93	0.79	231.74
		96	43.36	-41.73	0.02	-15.93	-0.42	394.26
	3	12	0.20	2.56	0.00	-27.39	-0.01	68.92
		96	-0.20	-2.56	0.00	27.39	-0.01	-30.53
	4	12	28.88	-0.63	0.01	9.56	-0.34	-82.06
		96	-28.88	0.63	-0.01	-9.56	0.17	72.63
	5	12	-26.77	0.53	-0.01	-5.87	0.54	-13.80
		96	26.77	-0.53	0.01	5.87	-0.41	21.80
	6	12	11.67	0.65	0.00	0.96	0.04	-28.42
		96	-11.67	-0.65	0.00	-0.96	-0.02	38.14
	7	12	12.47	0.66	0.01	2.68	-0.17	19.90
		96	-12.47	-0.66	-0.01	-2.68	0.03	-9.96
	8	12	12.47	0.66	0.01	2.68	-0.17	19.90
		96	-12.47	-0.66	-0.01	-2.68	0.03	-9.96
	9	12	2.84	12.00	0.00	78.84	0.01	59.22
		96	-2.84	-12.00	0.00	-78.84	-0.08	120.73
	10	12	2.84	12.00	0.00	78.84	0.01	59.22
		96	-2.84	-12.00	0.00	-78.84	-0.08	120.73
	11	12	-8.32	2.52	0.00	-67.51	0.18	167.21
		96	8.32	-2.52	0.00	67.51	-0.12	-129.42
	12	12	-8.32	2.52	0.00	-67.51	0.18	167.21
		96	8.32	-2.52	0.00	67.51	-0.12	-129.42
	13	12	23.93	0.73	0.01	7.45	-0.27	-14.04
		96	-23.93	-0.73	-0.01	-7.45	0.08	24.93
	14	12	23.93	0.73	0.01	7.45	-0.27	-14.04
		96	-23.93	-0.73	-0.01	-7.45	0.08	24.93
	15	12	54.92	0.72	0.01	9.18	-0.53	-46.36
		96	-54.92	-0.72	-0.01	-9.18	0.40	57.13
	16	12	54.92	0.72	0.01	9.18	-0.53	-46.36
		96	-54.92	-0.72	-0.01	-9.18	0.40	57.13
	17	12	54.76	0.76	0.01	8.93	-0.52	-45.88
		96	-54.76	-0.76	-0.01	-8.93	0.40	57.24
	18	12	54.76	0.76	0.01	8.93	-0.52	-45.88
		96	-54.76	-0.76	-0.01	-8.93	0.40	57.24
	19	12	38.40	3.42	-0.01	-25.98	-0.32	77.40
		96	-38.40	-3.42	0.01	25.98	0.50	-26.05

STAAD SPACE

-- PAGE NO. 142

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
20	12	13	12.47	0.66	0.01	2.68	-0.17	19.90
	96	96	-12.47	-0.66	-0.01	-2.68	0.03	-9.96
21	12	13	54.76	0.76	0.01	8.93	-0.52	-45.88
	96	96	-54.76	-0.76	-0.01	-8.93	0.40	57.24
22	1	13	-10.05	-368.61	-0.16	1.28	-0.07	-23.36
	97	97	10.05	403.95	0.16	-1.28	0.31	-556.06
2	13	13	-6.24	22.48	0.11	9.36	-0.10	24.90
	97	97	6.24	-22.48	-0.11	-9.36	-0.07	8.82
3	13	13	-0.43	-8.10	-0.08	-1.80	0.07	-4.55
	97	97	0.43	8.10	0.08	1.80	0.06	-7.60
4	13	13	1.44	-0.84	-0.20	-3.60	0.10	-22.03
	97	97	-1.44	0.84	0.20	3.60	0.20	20.77
5	13	13	-6.55	-35.19	0.41	13.55	-0.36	-13.28
	97	97	6.55	35.19	-0.41	-13.55	-0.26	-39.50
6	13	13	-2.49	-42.77	0.19	17.67	-0.20	-14.66
	97	97	2.49	42.77	-0.19	-17.67	-0.07	-49.49
7	13	13	-0.25	-15.17	0.00	3.70	0.01	-8.00
	97	97	0.25	15.17	0.00	-3.70	-0.01	-14.76
8	13	13	-0.25	-15.17	0.00	3.70	0.01	-8.00
	97	97	0.25	15.17	0.00	-3.70	-0.01	-14.76
9	13	13	0.96	-17.05	-0.02	4.08	0.01	-64.33
	97	97	-0.96	17.05	0.02	-4.08	0.02	38.75
10	13	13	0.96	-17.05	-0.02	4.08	0.01	-64.33
	97	97	-0.96	17.05	0.02	-4.08	0.02	38.75
11	13	13	-2.94	-36.88	-0.44	-38.61	0.29	-96.62
	97	97	2.94	36.88	0.44	38.61	0.36	41.30
12	13	13	-2.94	-36.88	-0.44	-38.61	0.29	-96.62
	97	97	2.94	36.88	0.44	38.61	0.36	41.30
13	13	13	-0.14	-19.37	0.06	8.35	-0.04	-10.03
	97	97	0.14	19.37	-0.06	-8.35	-0.05	-19.03
14	13	13	-0.14	-19.37	0.06	8.35	-0.04	-10.03
	97	97	0.14	19.37	-0.06	-8.35	-0.05	-19.03
15	13	13	2.41	-26.16	0.17	16.03	-0.16	-8.99
	97	97	-2.41	26.16	-0.17	-16.03	-0.11	-30.24
16	13	13	2.41	-26.16	0.17	16.03	-0.16	-8.99
	97	97	-2.41	26.16	-0.17	-16.03	-0.11	-30.24
17	13	13	2.44	-26.19	0.18	16.01	-0.16	-9.07
	97	97	-2.44	26.19	-0.18	-16.01	-0.11	-30.22
18	13	13	2.44	-26.19	0.18	16.01	-0.16	-9.07
	97	97	-2.44	26.19	-0.18	-16.01	-0.11	-30.22
19	13	13	4.02	-22.80	-0.07	3.21	0.04	-10.50
	97	97	-4.02	22.80	0.07	-3.21	0.06	-23.71
20	13	13	-0.25	-15.17	0.00	3.70	0.01	-8.00
	97	97	0.25	15.17	0.00	-3.70	-0.01	-14.76

STAAD SPACE

-- PAGE NO. 143

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	21	13	2.44	-26.19	0.18	16.01	-0.16	-9.07
		97	-2.44	26.19	-0.18	-16.01	-0.11	-30.22
23	1	14	-114.31	318.67	0.62	18.47	1.36	1829.08
		100	114.31	-295.11	-0.62	-18.47	-1.98	-1522.19
	2	14	-14.22	-197.06	-1.75	124.87	0.93	-322.46
		100	14.22	197.06	1.75	-124.87	0.82	125.39
	3	14	0.82	-2.82	1.27	-2.41	-0.35	-1.17
		100	-0.82	2.82	-1.27	2.41	-0.92	-1.65
	4	14	-0.33	20.86	1.59	-62.31	-0.33	36.93
		100	0.33	-20.86	-1.59	62.31	-1.26	-16.06
	5	14	3.69	58.90	-4.18	65.36	2.19	94.49
		100	-3.69	-58.90	4.18	-65.36	1.99	-35.59
	6	14	1.97	-14.46	-4.62	71.00	2.42	-8.43
		100	-1.97	14.46	4.62	-71.00	2.20	-6.03
	7	14	1.49	11.63	-0.22	20.85	0.37	27.01
		100	-1.49	-11.63	0.22	-20.85	-0.16	-15.38
	8	14	1.49	11.63	-0.22	20.85	0.37	27.01
		100	-1.49	-11.63	0.22	-20.85	-0.16	-15.38
	9	14	-53.27	100.83	0.48	3.47	-0.25	668.74
		100	53.27	-100.83	-0.48	-3.47	-0.23	-567.91
10	14	14	-53.27	100.83	0.48	3.47	-0.25	668.74
		100	53.27	-100.83	-0.48	-3.47	-0.23	-567.91
11	14	14	-13.41	-64.76	12.11	-412.03	-6.75	-6.95
		100	13.41	64.76	-12.11	412.03	-5.36	-57.81
12	14	14	-13.41	-64.76	12.11	-412.03	-6.75	-6.95
		100	13.41	64.76	-12.11	412.03	-5.36	-57.81
13	14	14	1.25	4.70	-1.56	47.53	1.22	13.50
		100	-1.25	-4.70	1.56	-47.53	0.34	-8.80
14	14	14	1.25	4.70	-1.56	47.53	1.22	13.50
		100	-1.25	-4.70	1.56	-47.53	0.34	-8.80
15	14	14	-1.14	-70.35	-4.44	82.42	2.55	-122.25
		100	1.14	70.35	4.44	-82.42	1.88	51.90
16	14	14	-1.14	-70.35	-4.44	82.42	2.55	-122.25
		100	1.14	70.35	4.44	-82.42	1.88	51.90
17	14	14	-1.11	-70.31	-4.37	82.37	2.52	-122.18
		100	1.11	70.31	4.37	-82.37	1.86	51.87
18	14	14	-1.11	-70.31	-4.37	82.37	2.52	-122.18
		100	1.11	70.31	4.37	-82.37	1.86	51.87
19	14	14	-0.07	-72.69	0.75	16.77	-0.20	-99.96
		100	0.07	72.69	-0.75	-16.77	-0.55	27.26
20	14	14	1.49	11.63	-0.22	20.85	0.37	27.01
		100	-1.49	-11.63	0.22	-20.85	-0.16	-15.38
21	14	14	-1.11	-70.31	-4.37	82.37	2.52	-122.18
		100	1.11	70.31	4.37	-82.37	1.86	51.87

STAAD SPACE

-- PAGE NO. 144

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
24	1	15	117.95	2146.48	-5.14	47.48	1.24	4613.98
		103	-117.95	-2134.70	5.14	-47.48	1.32	-3543.68
	2	15	23.70	599.34	-15.11	292.56	3.75	1152.18
		103	-23.70	-599.34	15.11	-292.56	3.80	-852.51
	3	15	0.49	-3.48	-1.31	-11.51	-0.46	-14.17
		103	-0.49	3.48	1.31	11.51	1.12	12.43
	4	15	-2.44	20.28	-0.22	-46.05	0.42	2.36
		103	2.44	-20.28	0.22	46.05	-0.31	7.78
	5	15	9.26	4.71	-8.81	88.97	2.47	-5.54
		103	-9.26	-4.71	8.81	-88.97	1.93	7.89
	6	15	1.07	-15.69	-7.72	146.21	2.61	-48.28
		103	-1.07	15.69	7.72	-146.21	1.25	40.44
	7	15	1.20	-24.72	-1.43	61.50	-0.10	-28.57
		103	-1.20	24.72	1.43	-61.50	0.82	16.21
	8	15	1.20	-24.72	-1.43	61.50	-0.10	-28.57
		103	-1.20	24.72	1.43	-61.50	0.82	16.21
	9	15	42.32	797.79	-1.13	25.79	0.24	1845.22
		103	-42.32	-797.79	1.13	-25.79	0.32	-1446.32
	10	15	42.32	797.79	-1.13	25.79	0.24	1845.22
		103	-42.32	-797.79	1.13	-25.79	0.32	-1446.32
	11	15	11.64	399.03	37.77	-870.69	-9.07	806.32
		103	-11.64	-399.03	-37.77	870.69	-9.81	-606.81
	12	15	11.64	399.03	37.77	-870.69	-9.07	806.32
		103	-11.64	-399.03	-37.77	870.69	-9.81	-606.81
	13	15	-0.13	-39.78	-4.77	133.87	0.81	-44.87
		103	0.13	39.78	4.77	-133.87	1.57	24.98
	14	15	-0.13	-39.78	-4.77	133.87	0.81	-44.87
		103	0.13	39.78	4.77	-133.87	1.57	24.98
	15	15	-10.22	-68.69	-7.97	224.95	2.43	-93.70
		103	10.22	68.69	7.97	-224.95	1.56	59.35
	16	15	-10.22	-68.69	-7.97	224.95	2.43	-93.70
		103	10.22	68.69	7.97	-224.95	1.56	59.35
	17	15	-10.31	-69.97	-8.10	225.73	2.45	-95.18
		103	10.31	69.97	8.10	-225.73	1.60	60.19
	18	15	-10.31	-69.97	-8.10	225.73	2.45	-95.18
		103	10.31	69.97	8.10	-225.73	1.60	60.19
	19	15	-9.94	-63.56	-1.81	59.21	-0.01	-93.60
		103	9.94	63.56	1.81	-59.21	0.92	61.82
	20	15	1.20	-24.72	-1.43	61.50	-0.10	-28.57
		103	-1.20	24.72	1.43	-61.50	0.82	16.21
	21	15	-10.31	-69.97	-8.10	225.73	2.45	-95.18
		103	10.31	69.97	8.10	-225.73	1.60	60.19
25	1	13	74.09	231.34	0.04	-0.87	-0.31	840.29
		107	-74.09	122.08	-0.04	0.87	-0.31	-20.85

STAAD SPACE

-- PAGE NO. 145

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
2	13		50.21	-1.71	-0.03	-9.33	0.76	38.94
	107		-50.21	1.71	0.03	9.33	-0.28	-64.57
3	13		1.31	-0.12	0.00	-0.90	0.04	-7.92
	107		-1.31	0.12	0.00	0.90	0.02	6.10
4	13		-12.39	3.00	0.01	9.15	-0.31	-26.05
	107		12.39	-3.00	-0.01	-9.15	0.15	71.06
5	13		43.97	-7.50	-0.04	-26.53	0.70	-70.26
	107		-43.97	7.50	0.04	26.53	-0.06	-42.22
6	13		11.61	-5.55	-0.01	-36.15	0.08	-65.08
	107		-11.61	5.55	0.01	36.15	0.08	-18.20
7	13		1.04	-0.14	0.00	-3.24	-0.03	-28.04
	107		-1.04	0.14	0.00	3.24	0.00	25.87
8	13		1.04	-0.14	0.00	-3.24	-0.03	-28.04
	107		-1.04	0.14	0.00	3.24	0.00	25.87
9	13		2.38	-6.45	0.03	81.19	-0.24	-77.76
	107		-2.38	6.45	-0.03	-81.19	-0.28	-18.97
10	13		2.38	-6.45	0.03	81.19	-0.24	-77.76
	107		-2.38	6.45	-0.03	-81.19	-0.28	-18.97
11	13		26.89	5.02	0.02	59.04	-0.13	-81.39
	107		-26.89	-5.02	-0.02	-59.04	-0.19	156.70
12	13		26.89	5.02	0.02	59.04	-0.13	-81.39
	107		-26.89	-5.02	-0.02	-59.04	-0.19	156.70
13	13		-0.02	-0.21	0.01	-5.52	-0.13	-44.82
	107		0.02	0.21	-0.01	5.52	-0.02	41.61
14	13		-0.02	-0.21	0.01	-5.52	-0.13	-44.82
	107		0.02	0.21	-0.01	5.52	-0.02	41.61
15	13		-22.62	-1.49	0.04	-13.93	-0.66	-71.10
	107		22.62	1.49	-0.04	13.93	0.09	48.76
16	13		-22.62	-1.49	0.04	-13.93	-0.66	-71.10
	107		22.62	1.49	-0.04	13.93	0.09	48.76
17	13		-23.01	-1.48	0.04	-13.87	-0.66	-71.09
	107		23.01	1.48	-0.04	13.87	0.10	48.85
18	13		-23.01	-1.48	0.04	-13.87	-0.66	-71.09
	107		23.01	1.48	-0.04	13.87	0.10	48.85
19	13		-38.15	1.16	0.02	-4.67	-0.63	-17.65
	107		38.15	-1.16	-0.02	4.67	0.30	35.01
20	13		1.04	-0.14	0.00	-3.24	-0.03	-28.04
	107		-1.04	0.14	0.00	3.24	0.00	25.87
21	13		-23.01	-1.48	0.04	-13.87	-0.66	-71.09
	107		23.01	1.48	-0.04	13.87	0.10	48.85
26	1	14	72.88	348.89	0.01	-2.35	-0.11	1730.91
		18	-72.88	357.96	-0.01	2.35	-0.20	-1867.03
	2	14	17.22	3.61	-0.02	-1.24	0.72	53.85
		18	-17.22	-3.61	0.02	1.24	-0.18	54.34

STAAD SPACE

-- PAGE NO. 146

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
3	14		0.95	-0.50	0.00	-0.13	-0.03	-8.87
	18		-0.95	0.50	0.00	0.13	-0.03	-6.10
4	14		3.35	-2.09	0.00	-2.61	-0.26	-49.83
	18		-3.35	2.09	0.00	2.61	0.17	-12.81
5	14		11.79	-13.72	-0.02	-21.32	0.63	-103.89
	18		-11.79	13.72	0.02	21.32	-0.05	-307.72
6	14		4.22	-12.49	0.00	-23.76	0.06	-97.63
	18		-4.22	12.49	0.00	23.76	-0.06	-276.99
7	14		0.87	-3.41	0.01	2.21	-0.09	-30.64
	18		-0.87	3.41	-0.01	-2.21	-0.10	-71.69
8	14		0.87	-3.41	0.01	2.21	-0.09	-30.64
	18		-0.87	3.41	-0.01	-2.21	-0.10	-71.69
9	14		3.82	1.57	0.01	32.59	-0.10	12.83
	18		-3.82	-1.57	-0.01	-32.59	-0.11	34.18
10	14		3.82	1.57	0.01	32.59	-0.10	12.83
	18		-3.82	-1.57	-0.01	-32.59	-0.11	34.18
11	14		27.36	-4.70	0.00	2.03	0.02	-109.17
	18		-27.36	4.70	0.00	-2.03	-0.09	-31.74
12	14		27.36	-4.70	0.00	2.03	0.02	-109.17
	18		-27.36	4.70	0.00	-2.03	-0.09	-31.74
13	14		1.74	-6.05	0.01	3.10	-0.20	-53.36
	18		-1.74	6.05	-0.01	-3.10	-0.17	-128.00
14	14		1.74	-6.05	0.01	3.10	-0.20	-53.36
	18		-1.74	6.05	-0.01	-3.10	-0.17	-128.00
15	14		-3.52	-11.43	0.03	-4.20	-0.66	-92.74
	18		3.52	11.43	-0.03	4.20	-0.18	-250.26
16	14		-3.52	-11.43	0.03	-4.20	-0.66	-92.74
	18		3.52	11.43	-0.03	4.20	-0.18	-250.26
17	14		-3.67	-11.43	0.03	-4.17	-0.66	-92.77
	18		3.67	11.43	-0.03	4.17	-0.17	-250.19
18	14		-3.67	-11.43	0.03	-4.17	-0.66	-92.77
	18		3.67	11.43	-0.03	4.17	-0.17	-250.19
19	14		-10.07	-2.20	0.01	2.12	-0.62	-21.87
	18		10.07	2.20	-0.01	-2.12	0.18	-44.04
20	14		0.87	-3.41	0.01	2.21	-0.09	-30.64
	18		-0.87	3.41	-0.01	-2.21	-0.10	-71.69
21	14		-3.67	-11.43	0.03	-4.17	-0.66	-92.77
	18		3.67	11.43	-0.03	4.17	-0.17	-250.19
27	1	15	72.88	348.89	-0.01	2.35	0.11	1730.91
		19	-72.88	357.96	0.01	-2.35	0.20	-1867.03
	2	15	-8.33	5.59	-0.02	-1.91	0.68	82.77
		19	8.33	-5.59	0.02	1.91	-0.20	84.90
	3	15	0.60	-0.52	0.00	0.26	0.06	-9.32
		19	-0.60	0.52	0.00	-0.26	0.03	-6.19

STAAD SPACE

-- PAGE NO. 147

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
4	15		14.51	-1.98	0.01	-3.95	-0.31	-42.32
	19		-14.51	1.98	-0.01	3.95	0.07	-17.02
5	15		-3.76	-11.60	-0.03	6.65	0.63	-93.60
	19		3.76	11.60	0.03	-6.65	0.15	-254.26
6	15		3.90	-12.45	0.00	23.07	-0.01	-97.46
	19		-3.90	12.45	0.00	-23.07	0.08	-276.07
7	15		0.79	-4.12	0.00	5.30	-0.01	-31.17
	19		-0.79	4.12	0.00	-5.30	0.02	-92.34
8	15		0.79	-4.12	0.00	5.30	-0.01	-31.17
	19		-0.79	4.12	0.00	-5.30	0.02	-92.34
9	15		4.13	1.65	-0.01	-32.68	0.08	16.84
	19		-4.13	-1.65	0.01	32.68	0.14	32.68
10	15		4.13	1.65	-0.01	-32.68	0.08	16.84
	19		-4.13	-1.65	0.01	32.68	0.14	32.68
11	15		23.36	-7.61	0.00	8.00	0.17	-161.06
	19		-23.36	7.61	0.00	-8.00	-0.05	-67.30
12	15		23.36	-7.61	0.00	8.00	0.17	-161.06
	19		-23.36	7.61	0.00	-8.00	-0.05	-67.30
13	15		2.93	-7.29	0.00	7.97	-0.12	-55.04
	19		-2.93	7.29	0.00	-7.97	-0.01	-163.51
14	15		2.93	-7.29	0.00	7.97	-0.12	-55.04
	19		-2.93	7.29	0.00	-7.97	-0.01	-163.51
15	15		11.56	-13.97	0.02	21.84	-0.65	-105.46
	19		-11.56	13.97	-0.02	-21.84	0.03	-313.69
16	15		11.56	-13.97	0.02	21.84	-0.65	-105.46
	19		-11.56	13.97	-0.02	-21.84	0.03	-313.69
17	15		11.70	-13.97	0.02	21.54	-0.65	-105.43
	19		-11.70	13.97	-0.02	-21.54	0.04	-313.62
18	15		11.70	-13.97	0.02	21.54	-0.65	-105.43
	19		-11.70	13.97	-0.02	-21.54	0.04	-313.62
19	15		11.55	-4.23	0.01	13.57	-0.58	-33.14
	19		-11.55	4.23	-0.01	-13.57	0.23	-93.69
20	15		0.79	-4.12	0.00	5.30	-0.01	-31.17
	19		-0.79	4.12	0.00	-5.30	0.02	-92.34
21	15		11.70	-13.97	0.02	21.54	-0.65	-105.43
	19		-11.70	13.97	-0.02	-21.54	0.04	-313.62
28	1	16	74.09	231.34	-0.04	0.87	0.31	840.29
		116	-74.09	122.08	0.04	-0.87	0.31	-20.85
	2	16	-39.74	30.22	-0.02	-22.24	0.68	316.21
		116	39.74	-30.22	0.02	22.24	-0.30	137.04
	3	16	0.01	-0.15	0.00	1.45	-0.01	-9.02
		116	-0.01	0.15	0.00	-1.45	-0.02	6.79
	4	16	27.60	-0.75	0.01	-14.17	-0.31	-31.15
		116	-27.60	0.75	-0.01	14.17	0.14	19.96

STAAD SPACE

-- PAGE NO. 148

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
5	16		-22.42	-2.17	-0.03	15.63	0.64	-72.25
	116		22.42	2.17	0.03	-15.63	-0.12	39.67
6	16		9.92	-5.59	0.01	34.78	-0.03	-66.45
	116		-9.92	5.59	-0.01	-34.78	-0.06	-17.42
7	16		4.17	-2.33	0.00	2.25	-0.04	-24.55
	116		-4.17	2.33	0.00	-2.25	-0.01	-10.46
8	16		4.17	-2.33	0.00	2.25	-0.04	-24.55
	116		-4.17	2.33	0.00	-2.25	-0.01	-10.46
9	16		4.21	-8.04	-0.03	-85.71	0.21	-77.57
	116		-4.21	8.04	0.03	85.71	0.30	-42.99
10	16		4.21	-8.04	-0.03	-85.71	0.21	-77.57
	116		-4.21	8.04	0.03	85.71	0.30	-42.99
11	16		11.16	19.49	-0.03	18.11	0.35	-58.22
	116		-11.16	-19.49	0.03	-18.11	0.06	350.55
12	16		11.16	19.49	-0.03	18.11	0.35	-58.22
	116		-11.16	-19.49	0.03	-18.11	0.06	350.55
13	16		11.41	-3.97	0.01	2.71	-0.16	-39.76
	116		-11.41	3.97	-0.01	-2.71	-0.03	-19.84
14	16		11.41	-3.97	0.01	2.71	-0.16	-39.76
	116		-11.41	3.97	-0.01	-2.71	-0.03	-19.84
15	16		44.20	-7.88	0.05	26.16	-0.72	-71.45
	116		-44.20	7.88	-0.05	-26.16	0.05	-46.77
16	16		44.20	-7.88	0.05	26.16	-0.72	-71.45
	116		-44.20	7.88	-0.05	-26.16	0.05	-46.77
17	16		44.57	-7.95	0.04	25.35	-0.72	-72.14
	116		-44.57	7.95	-0.04	-25.35	0.05	-47.15
18	16		44.57	-7.95	0.04	25.35	-0.72	-72.14
	116		-44.57	7.95	-0.04	-25.35	0.05	-47.15
19	16		42.47	-4.82	0.03	12.47	-0.66	-32.21
	116		-42.47	4.82	-0.03	-12.47	0.25	-40.09
20	16		4.17	-2.33	0.00	2.25	-0.04	-24.55
	116		-4.17	2.33	0.00	-2.25	-0.01	-10.46
21	16		44.57	-7.95	0.04	25.35	-0.72	-72.14
	116		-44.57	7.95	-0.04	-25.35	0.05	-47.15
29	1	17	-10.19	-272.76	-1.59	-39.13	0.57	18.25
		117	10.19	308.10	1.59	39.13	1.81	-453.90
	2	17	-3.41	-4.43	0.21	8.54	-0.20	5.01
		117	3.41	4.43	-0.21	-8.54	-0.12	-11.65
	3	17	-0.14	-0.07	-0.04	-0.18	0.01	-0.01
		117	0.14	0.07	0.04	0.18	0.05	-0.10
	4	17	1.02	-4.04	0.08	4.06	-0.10	-33.70
		117	-1.02	4.04	-0.08	-4.06	-0.02	27.64
	5	17	-5.44	-55.39	-1.63	45.37	0.94	-26.00
		117	5.44	55.39	1.63	-45.37	1.50	-57.08

STAAD SPACE

-- PAGE NO. 149

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
6	17		-3.31	-44.43	-1.62	53.67	0.96	10.27
	117		3.31	44.43	1.62	-53.67	1.48	-76.92
7	17		-1.14	17.97	-0.32	-29.42	0.21	-3.93
	117		1.14	-17.97	0.32	29.42	0.27	30.89
8	17		-1.14	17.97	-0.32	-29.42	0.21	-3.93
	117		1.14	-17.97	0.32	29.42	0.27	30.89
9	17		-0.22	-47.23	0.42	-40.85	-0.25	7.86
	117		0.22	47.23	-0.42	40.85	-0.37	-78.70
10	17		-0.22	-47.23	0.42	-40.85	-0.25	7.86
	117		0.22	47.23	-0.42	40.85	-0.37	-78.70
11	17		-3.53	29.94	0.00	4.51	-0.10	-72.23
	117		3.53	-29.94	0.00	-4.51	0.11	117.14
12	17		-3.53	29.94	0.00	4.51	-0.10	-72.23
	117		3.53	-29.94	0.00	-4.51	0.11	117.14
13	17		-2.00	28.86	-0.56	-49.83	0.35	-7.15
	117		2.00	-28.86	0.56	49.83	0.49	50.45
14	17		-2.00	28.86	-0.56	-49.83	0.35	-7.15
	117		2.00	-28.86	0.56	49.83	0.49	50.45
15	17		-1.99	28.85	-1.31	-71.92	0.83	-52.17
	117		1.99	-28.85	1.31	71.92	1.14	95.44
16	17		-1.99	28.85	-1.31	-71.92	0.83	-52.17
	117		1.99	-28.85	1.31	71.92	1.14	95.44
17	17		-1.92	28.77	-1.32	-71.86	0.83	-52.17
	117		1.92	-28.77	1.32	71.86	1.15	95.32
18	17		-1.92	28.77	-1.32	-71.86	0.83	-52.17
	117		1.92	-28.77	1.32	71.86	1.15	95.32
19	17		2.45	20.09	-0.57	-19.86	0.35	19.84
	117		-2.45	-20.09	0.57	19.86	0.50	10.29
20	17		-1.14	17.97	-0.32	-29.42	0.21	-3.93
	117		1.14	-17.97	0.32	29.42	0.27	30.89
21	17		-1.92	28.77	-1.32	-71.86	0.83	-52.17
	117		1.92	-28.77	1.32	71.86	1.15	95.32
30	1	18	-111.73	343.67	13.24	-146.15	-1.10	1874.27
		120	111.73	-320.11	-13.24	146.15	-12.14	-1542.38
	2	18	-15.10	-211.35	0.42	135.64	-0.25	-279.93
		120	15.10	211.35	-0.42	-135.64	-0.17	68.58
	3	18	0.13	-0.51	0.07	4.35	0.11	-0.26
		120	-0.13	0.51	-0.07	-4.35	-0.18	-0.24
4	18		0.32	327.19	-6.91	99.42	4.45	297.64
	120		-0.32	-327.19	6.91	-99.42	2.45	29.55
5	18		-13.14	224.14	33.24	-718.09	-16.86	682.51
	120		13.14	-224.14	-33.24	718.09	-16.38	-458.37
6	18		-25.97	34.19	26.99	-661.94	-13.64	425.89
	120		25.97	-34.19	-26.99	661.94	-13.35	-391.70

STAAD SPACE

-- PAGE NO. 150

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
7	18		0.40	4.33	6.58	-254.95	-3.28	-46.26
	120		-0.40	-4.33	-6.58	254.95	-3.30	50.59
8	18		0.40	4.33	6.58	-254.95	-3.28	-46.26
	120		-0.40	-4.33	-6.58	254.95	-3.30	50.59
9	18		-5.58	-46.55	-1.04	51.54	1.18	78.42
	120		5.58	46.55	1.04	-51.54	-0.15	-124.97
10	18		-5.58	-46.55	-1.04	51.54	1.18	78.42
	120		5.58	46.55	1.04	-51.54	-0.15	-124.97
11	18		-13.34	-63.74	-2.20	72.23	1.80	-137.72
	120		13.34	63.74	2.20	-72.23	0.40	73.98
12	18		-13.34	-63.74	-2.20	72.23	1.80	-137.72
	120		13.34	63.74	2.20	-72.23	0.40	73.98
13	18		1.29	18.50	10.68	-436.52	-5.27	-58.68
	120		-1.29	-18.50	-10.68	436.52	-5.41	77.17
14	18		1.29	18.50	10.68	-436.52	-5.27	-58.68
	120		-1.29	-18.50	-10.68	436.52	-5.41	77.17
15	18		-9.19	-42.57	21.07	-781.83	-10.51	-97.37
	120		9.19	42.57	-21.07	781.83	-10.55	54.80
16	18		-9.19	-42.57	21.07	-781.83	-10.51	-97.37
	120		9.19	42.57	-21.07	781.83	-10.55	54.80
17	18		-9.05	-45.00	21.02	-781.29	-10.49	-99.24
	120		9.05	45.00	-21.02	781.29	-10.53	54.23
18	18		-9.05	-45.00	21.02	-781.29	-10.49	-99.24
	120		9.05	45.00	-21.02	781.29	-10.53	54.23
19	18		-6.94	-139.30	0.69	-186.81	-0.22	-286.60
	120		6.94	139.30	-0.69	186.81	-0.47	147.30
20	18		0.40	4.33	6.58	-254.95	-3.28	-46.26
	120		-0.40	-4.33	-6.58	254.95	-3.30	50.59
21	18		-9.05	-45.00	21.02	-781.29	-10.49	-99.24
	120		9.05	45.00	-21.02	781.29	-10.53	54.23
31	1	19	126.56	2209.79	5.82	-300.74	-1.41	4778.71
	123		-126.56	-2198.01	-5.82	300.74	-1.49	-3676.76
2	19		17.32	480.17	-20.57	347.44	4.90	1042.80
	123		-17.32	-480.17	20.57	-347.44	5.39	-802.72
3	19		0.26	1.40	-1.53	9.40	0.13	2.06
	123		-0.26	-1.40	1.53	-9.40	0.64	-1.36
4	19		-3.46	15.77	-9.03	138.97	2.83	-19.48
	123		3.46	-15.77	9.03	-138.97	1.69	27.37
5	19		17.13	200.68	51.59	-1134.59	-11.12	303.51
	123		-17.13	-200.68	-51.59	1134.59	-14.68	-203.17
6	19		32.53	508.66	62.20	-1417.04	-13.57	1117.31
	123		-32.53	-508.66	-62.20	1417.04	-17.53	-862.98
7	19		6.02	183.64	22.57	-504.73	-5.40	232.92
	123		-6.02	-183.64	-22.57	504.73	-5.88	-141.10

STAAD SPACE

-- PAGE NO. 151

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
8	19		6.02	183.64	22.57	-504.73	-5.40	232.92
	123		-6.02	-183.64	-22.57	504.73	-5.88	-141.10
9	19		6.42	94.58	-10.59	203.44	0.62	160.07
	123		-6.42	-94.58	10.59	-203.44	4.67	-112.78
10	19		6.42	94.58	-10.59	203.44	0.62	160.07
	123		-6.42	-94.58	10.59	-203.44	4.67	-112.78
11	19		24.44	766.25	-5.23	29.95	2.25	1214.58
	123		-24.44	-766.25	5.23	-29.95	0.37	-831.45
12	19		24.44	766.25	-5.23	29.95	2.25	1214.58
	123		-24.44	-766.25	5.23	-29.95	0.37	-831.45
13	19		11.01	357.15	37.84	-854.52	-8.70	425.70
	123		-11.01	-357.15	-37.84	854.52	-10.23	-247.12
14	19		11.01	357.15	37.84	-854.52	-8.70	425.70
	123		-11.01	-357.15	-37.84	854.52	-10.23	-247.12
15	19		27.82	734.71	76.18	-1665.83	-17.00	1234.15
	123		-27.82	-734.71	-76.18	1665.83	-21.09	-866.80
16	19		27.82	734.71	76.18	-1665.83	-17.00	1234.15
	123		-27.82	-734.71	-76.18	1665.83	-21.09	-866.80
17	19		27.21	723.64	76.21	-1665.49	-17.00	1209.48
	123		-27.21	-723.64	-76.21	1665.49	-21.11	-847.66
18	19		27.21	723.64	76.21	-1665.49	-17.00	1209.48
	123		-27.21	-723.64	-76.21	1665.49	-21.11	-847.66
19	19		4.30	334.03	28.87	-605.88	-6.50	544.73
	123		-4.30	-334.03	-28.87	605.88	-7.93	-377.72
20	19		6.02	183.64	22.57	-504.73	-5.40	232.92
	123		-6.02	-183.64	-22.57	504.73	-5.88	-141.10
21	19		27.21	723.64	76.21	-1665.49	-17.00	1209.48
	123		-27.21	-723.64	-76.21	1665.49	-21.11	-847.66
32	1	17	81.84	246.35	0.05	56.76	-0.32	1041.14
		127	-81.84	107.07	-0.05	-56.76	-0.37	3.44
2	17		23.29	-0.21	-0.04	-4.39	0.55	35.10
	127		-23.29	0.21	0.04	4.39	-0.01	-38.25
3	17		0.58	0.00	0.00	0.15	0.02	-1.51
	127		-0.58	0.00	0.00	-0.15	0.01	1.52
4	17		-8.14	0.52	0.01	11.61	-0.20	26.27
	127		8.14	-0.52	-0.01	-11.61	0.02	-18.41
5	17		47.87	58.13	0.03	-66.78	-0.20	147.83
	127		-47.87	-58.13	-0.03	66.78	-0.26	724.06
6	17		34.82	55.97	0.04	-82.45	-0.43	157.48
	127		-34.82	-55.97	-0.04	82.45	-0.24	682.04
7	17		9.96	-1.78	0.01	24.84	-0.08	-48.32
	127		-9.96	1.78	-0.01	-24.84	-0.03	21.63
8	17		9.96	-1.78	0.01	24.84	-0.08	-48.32
	127		-9.96	1.78	-0.01	-24.84	-0.03	21.63

STAAD SPACE

-- PAGE NO. 152

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
9	17		-0.90	2.61	0.00	31.09	0.00	78.42
	127		0.90	-2.61	0.00	-31.09	0.00	-39.33
10	17		-0.90	2.61	0.00	31.09	0.00	78.42
	127		0.90	-2.61	0.00	-31.09	0.00	-39.33
11	17		24.24	1.85	-0.01	33.71	0.14	103.65
	127		-24.24	-1.85	0.01	-33.71	0.01	-75.93
12	17		24.24	1.85	-0.01	33.71	0.14	103.65
	127		-24.24	-1.85	0.01	-33.71	0.01	-75.93
13	17		17.45	-2.94	0.01	39.83	-0.13	-86.47
	127		-17.45	2.94	-0.01	-39.83	-0.05	42.37
14	17		17.45	-2.94	0.01	39.83	-0.13	-86.47
	127		-17.45	2.94	-0.01	-39.83	-0.05	42.37
15	17		23.47	5.12	0.05	71.68	-0.56	-126.81
	127		-23.47	-5.12	-0.05	-71.68	-0.16	203.56
16	17		23.47	5.12	0.05	71.68	-0.56	-126.81
	127		-23.47	-5.12	-0.05	-71.68	-0.16	203.56
17	17		22.91	5.13	0.05	71.61	-0.58	-126.58
	127		-22.91	-5.13	-0.05	-71.61	-0.16	203.51
18	17		22.91	5.13	0.05	71.61	-0.58	-126.58
	127		-22.91	-5.13	-0.05	-71.61	-0.16	203.51
19	17		-15.34	-2.56	0.04	7.45	-0.58	-33.00
	127		15.34	2.56	-0.04	-7.45	0.03	-5.41
20	17		9.96	-1.78	0.01	24.84	-0.08	-48.32
	127		-9.96	1.78	-0.01	-24.84	-0.03	21.63
21	17		22.91	5.13	0.05	71.61	-0.58	-126.58
	127		-22.91	-5.13	-0.05	-71.61	-0.16	203.51
33	1	18	105.89	386.96	0.00	42.71	-0.11	2045.02
		22	-105.89	319.89	0.00	-42.71	0.16	-1038.96
2	18		3.44	1.41	-0.02	1.59	0.51	32.57
	22		-3.44	-1.41	0.02	-1.59	0.13	9.85
3	18		0.28	-0.33	0.00	0.06	-0.01	-4.40
	22		-0.28	0.33	0.00	-0.06	-0.01	-5.45
4	18		-0.69	-0.60	0.01	1.44	-0.20	0.18
	22		0.69	0.60	-0.01	-1.44	-0.04	-18.18
5	18		63.14	5.05	-0.02	0.91	0.31	-121.69
	22		-63.14	-5.05	0.02	-0.91	0.39	273.13
6	18		56.26	4.24	-0.01	2.74	0.00	-110.94
	22		-56.26	-4.24	0.01	-2.74	0.23	237.99
7	18		15.45	1.16	-0.01	3.32	0.03	-26.04
	22		-15.45	-1.16	0.01	-3.32	0.16	60.72
8	18		15.45	1.16	-0.01	3.32	0.03	-26.04
	22		-15.45	-1.16	0.01	-3.32	0.16	60.72
9	18		-1.74	1.49	0.01	5.24	-0.14	34.32
	22		1.74	-1.49	-0.01	-5.24	-0.13	10.29

STAAD SPACE

-- PAGE NO. 153

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
10	18		-1.74	1.49	0.01	5.24	-0.14	34.32
	22		1.74	-1.49	-0.01	-5.24	-0.13	10.29
11	18		24.03	9.51	-0.02	4.43	0.22	110.45
	22		-24.03	-9.51	0.02	-4.43	0.27	174.82
12	18		24.03	9.51	-0.02	4.43	0.22	110.45
	22		-24.03	-9.51	0.02	-4.43	0.27	174.82
13	18		27.01	1.43	-0.01	1.67	0.07	-53.39
	22		-27.01	-1.43	0.01	-1.67	0.28	96.28
14	18		27.01	1.43	-0.01	1.67	0.07	-53.39
	22		-27.01	-1.43	0.01	-1.67	0.28	96.28
15	18		51.20	3.30	-0.01	1.70	-0.18	-103.41
	22		-51.20	-3.30	0.01	-1.70	0.35	202.28
16	18		51.20	3.30	-0.01	1.70	-0.18	-103.41
	22		-51.20	-3.30	0.01	-1.70	0.35	202.28
17	18		51.05	3.30	-0.01	1.66	-0.19	-103.33
	22		-51.05	-3.30	0.01	-1.66	0.34	202.19
18	18		51.05	3.30	-0.01	1.66	-0.19	-103.33
	22		-51.05	-3.30	0.01	-1.66	0.34	202.19
19	18		5.66	0.54	0.03	-1.37	-0.57	-16.67
	22		-5.66	-0.54	-0.03	1.37	-0.20	32.78
20	18		15.45	1.16	-0.01	3.32	0.03	-26.04
	22		-15.45	-1.16	0.01	-3.32	0.16	60.72
21	18		51.05	3.30	-0.01	1.66	-0.19	-103.33
	22		-51.05	-3.30	0.01	-1.66	0.34	202.19
34	1	19	105.89	386.96	0.00	-42.71	0.11	2045.02
		23	-105.89	319.89	0.00	42.71	-0.16	-1038.96
2	19		-7.22	2.28	-0.03	-18.18	0.60	51.15
		23	7.22	-2.28	0.03	18.18	0.30	17.28
3	19		0.15	-0.32	0.00	-0.02	0.02	-4.24
		23	-0.15	0.32	0.00	0.02	0.01	-5.39
4	19		4.35	-1.00	0.02	1.60	-0.35	-7.46
		23	-4.35	1.00	-0.02	-1.60	-0.18	-22.65
5	19		51.40	3.43	0.00	-1.59	0.21	-104.49
		23	-51.40	-3.43	0.00	1.59	-0.31	207.49
6	19		56.17	4.20	0.01	-1.89	-0.01	-110.61
		23	-56.17	-4.20	-0.01	1.89	-0.24	236.70
7	19		17.99	1.90	0.00	1.59	0.00	-32.04
		23	-17.99	-1.90	0.00	-1.59	-0.09	89.09
8	19		17.99	1.90	0.00	1.59	0.00	-32.04
		23	-17.99	-1.90	0.00	-1.59	-0.09	89.09
9	19		-1.20	1.36	-0.01	-4.50	0.10	30.83
		23	1.20	-1.36	0.01	4.50	0.11	10.07
10	19		-1.20	1.36	-0.01	-4.50	0.10	30.83
		23	1.20	-1.36	0.01	4.50	0.11	10.07

STAAD SPACE

-- PAGE NO. 154

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
11	19		25.83	12.21	0.00	-5.15	0.03	129.77
	23		-25.83	-12.21	0.00	5.15	-0.09	236.61
12	19		25.83	12.21	0.00	-5.15	0.03	129.77
	23		-25.83	-12.21	0.00	5.15	-0.09	236.61
13	19		31.64	2.56	0.01	0.41	-0.02	-65.97
	23		-31.64	-2.56	-0.01	-0.41	-0.17	142.75
14	19		31.64	2.56	0.01	0.41	-0.02	-65.97
	23		-31.64	-2.56	-0.01	-0.41	-0.17	142.75
15	19		63.85	5.21	0.02	-2.01	-0.29	-123.70
	23		-63.85	-5.21	-0.02	2.01	-0.38	280.09
16	19		63.85	5.21	0.02	-2.01	-0.29	-123.70
	23		-63.85	-5.21	-0.02	2.01	-0.38	280.09
17	19		63.91	5.21	0.02	-1.18	-0.31	-123.63
	23		-63.91	-5.21	-0.02	1.18	-0.39	279.93
18	19		63.91	5.21	0.02	-1.18	-0.31	-123.63
	23		-63.91	-5.21	-0.02	1.18	-0.39	279.93
19	19		21.36	2.30	0.02	27.69	-0.52	-28.24
	23		-21.36	-2.30	-0.02	-27.69	-0.13	97.13
20	19		17.99	1.90	0.00	1.59	0.00	-32.04
	23		-17.99	-1.90	0.00	-1.59	-0.09	89.09
21	19		63.91	5.21	0.02	-1.18	-0.31	-123.63
	23		-63.91	-5.21	-0.02	1.18	-0.39	279.93
35	1	20	81.84	246.35	-0.05	-56.76	0.32	1041.14
	136		-81.84	107.07	0.05	56.76	0.37	3.44
2	20		-22.82	-3.82	-0.04	-70.48	0.51	35.64
	136		22.82	3.82	0.04	70.48	0.06	-92.95
3	20		0.05	0.01	0.00	-0.26	-0.01	-1.20
	136		-0.05	-0.01	0.00	0.26	-0.01	1.31
4	20		14.70	-0.29	0.03	3.89	-0.36	8.30
	136		-14.70	0.29	-0.03	-3.89	-0.06	-12.67
5	20		22.84	9.63	-0.05	-67.52	0.59	-106.54
	136		-22.84	-9.63	0.05	67.52	0.17	250.91
6	20		35.16	54.51	-0.04	76.37	0.41	149.57
	136		-35.16	-54.51	0.04	-76.37	0.23	668.02
7	20		10.24	8.51	-0.02	-25.03	0.15	-15.38
	136		-10.24	-8.51	0.02	25.03	0.08	143.10
8	20		10.24	8.51	-0.02	-25.03	0.15	-15.38
	136		-10.24	-8.51	0.02	25.03	0.08	143.10
9	20		0.86	2.36	0.00	-24.75	-0.05	68.76
	136		-0.86	-2.36	0.00	24.75	0.00	-33.35
10	20		0.86	2.36	0.00	-24.75	-0.05	68.76
	136		-0.86	-2.36	0.00	24.75	0.00	-33.35
11	20		16.49	42.90	-0.01	-4.73	0.12	392.26
	136		-16.49	-42.90	0.01	4.73	0.05	251.19

STAAD SPACE

-- PAGE NO. 155

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
12	20		16.49	42.90	-0.01	-4.73	0.12	392.26
	136		-16.49	-42.90	0.01	4.73	0.05	251.19
13	20		18.61	14.46	-0.03	-47.18	0.24	-34.89
	136		-18.61	-14.46	0.03	47.18	0.14	251.80
14	20		18.61	14.46	-0.03	-47.18	0.24	-34.89
	136		-18.61	-14.46	0.03	47.18	0.14	251.80
15	20		47.45	57.19	-0.03	51.13	0.23	133.63
	136		-47.45	-57.19	0.03	-51.13	0.27	724.15
16	20		47.45	57.19	-0.03	51.13	0.23	133.63
	136		-47.45	-57.19	0.03	-51.13	0.27	724.15
17	20		47.98	57.37	-0.03	53.16	0.21	135.97
	136		-47.98	-57.37	0.03	-53.16	0.27	724.54
18	20		47.98	57.37	-0.03	53.16	0.21	135.97
	136		-47.98	-57.37	0.03	-53.16	0.27	724.54
19	20		32.79	32.26	0.03	101.41	-0.47	153.44
	136		-32.79	-32.26	-0.03	-101.41	-0.04	330.42
20	20		10.24	8.51	-0.02	-25.03	0.15	-15.38
	136		-10.24	-8.51	0.02	25.03	0.08	143.10
21	20		47.98	57.37	-0.03	53.16	0.21	135.97
	136		-47.98	-57.37	0.03	-53.16	0.27	724.54
36	1	21	-1.40	-244.36	1.64	-109.34	-2.08	151.34
		137	1.40	279.70	-1.64	109.34	-0.38	-544.38
	2	21	-0.38	-3.09	-0.06	-5.21	-0.04	5.21
		137	0.38	3.09	0.06	5.21	0.13	-9.84
	3	21	0.00	0.90	-0.02	-0.43	-0.01	0.66
		137	0.00	-0.90	0.02	0.43	0.03	0.70
	4	21	0.12	2.52	-0.05	-2.52	0.00	-2.11
		137	-0.12	-2.52	0.05	2.52	0.08	5.89
	5	21	-0.85	-46.88	0.97	-61.69	-1.11	91.68
		137	0.85	46.88	-0.97	61.69	-0.34	-162.00
	6	21	-0.49	-32.80	1.08	-80.58	-1.10	129.40
		137	0.49	32.80	-1.08	80.58	-0.52	-178.61
	7	21	-0.33	-26.43	0.10	29.63	-0.15	-44.75
		137	0.33	26.43	-0.10	-29.63	0.00	5.11
	8	21	-0.33	-26.43	0.10	29.63	-0.15	-44.75
		137	0.33	26.43	-0.10	-29.63	0.00	5.11
	9	21	-0.16	-9.94	-0.14	-0.74	0.11	-8.68
		137	0.16	9.94	0.14	0.74	0.10	-6.23
	10	21	-0.16	-9.94	-0.14	-0.74	0.11	-8.68
		137	0.16	9.94	0.14	0.74	0.10	-6.23
	11	21	-0.58	-56.15	0.14	33.68	-0.32	-74.32
		137	0.58	56.15	-0.14	-33.68	0.10	-9.90
	12	21	-0.58	-56.15	0.14	33.68	-0.32	-74.32
		137	0.58	56.15	-0.14	-33.68	0.10	-9.90

STAAD SPACE

-- PAGE NO. 156

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
13	21		-0.55	-43.55	0.19	53.10	-0.28	-79.52
	137		0.55	43.55	-0.19	-53.10	0.00	14.19
14	21		-0.55	-43.55	0.19	53.10	-0.28	-79.52
	137		0.55	43.55	-0.19	-53.10	0.00	14.19
15	21		-0.68	-78.94	0.65	78.13	-0.72	-138.82
	137		0.68	78.94	-0.65	-78.13	-0.26	20.41
16	21		-0.68	-78.94	0.65	78.13	-0.72	-138.82
	137		0.68	78.94	-0.65	-78.13	-0.26	20.41
17	21		-0.67	-78.90	0.66	78.10	-0.72	-138.78
	137		0.67	78.90	-0.66	-78.10	-0.26	20.44
18	21		-0.67	-78.90	0.66	78.10	-0.72	-138.78
	137		0.67	78.90	-0.66	-78.10	-0.26	20.44
19	21		0.54	-16.54	0.45	19.75	-0.34	-23.48
	137		-0.54	16.54	-0.45	-19.75	-0.34	-1.33
20	21		-0.33	-26.43	0.10	29.63	-0.15	-44.75
	137		0.33	26.43	-0.10	-29.63	0.00	5.11
21	21		-0.67	-78.90	0.66	78.10	-0.72	-138.78
	137		0.67	78.90	-0.66	-78.10	-0.26	20.44
37	1	22	-25.04	253.95	-68.82	1052.91	48.41	1074.91
		140	25.04	-230.39	68.82	-1052.91	20.41	-832.74
	2	22	-7.78	-75.52	4.18	-26.40	-2.45	-170.91
		140	7.78	75.52	-4.18	26.40	-1.73	95.39
	3	22	0.14	-0.29	-0.04	2.36	0.11	-1.49
		140	-0.14	0.29	0.04	-2.36	-0.07	1.19
	4	22	4.68	43.74	-3.42	32.57	2.77	92.17
		140	-4.68	-43.74	3.42	-32.57	0.65	-48.42
	5	22	13.33	375.87	-44.97	853.81	28.00	708.22
		140	-13.33	-375.87	44.97	-853.81	16.97	-332.35
	6	22	-5.16	119.45	-37.22	765.66	23.58	426.81
		140	5.16	-119.45	37.22	-765.66	13.63	-307.36
	7	22	7.01	-63.08	-9.16	313.38	5.69	-63.79
		140	-7.01	63.08	9.16	-313.38	3.47	0.71
	8	22	7.01	-63.08	-9.16	313.38	5.69	-63.79
		140	-7.01	63.08	9.16	-313.38	3.47	0.71
	9	22	0.26	-8.73	2.47	-4.76	-0.98	-1.13
		140	-0.26	8.73	-2.47	4.76	-1.49	-7.60
	10	22	0.26	-8.73	2.47	-4.76	-0.98	-1.13
		140	-0.26	8.73	-2.47	4.76	-1.49	-7.60
	11	22	-3.30	-133.63	-13.40	483.87	8.94	-191.17
		140	3.30	133.63	13.40	-483.87	4.46	57.53
	12	22	-3.30	-133.63	-13.40	483.87	8.94	-191.17
		140	3.30	133.63	13.40	-483.87	4.46	57.53
	13	22	10.93	-159.14	-16.17	550.54	10.08	-141.00
		140	-10.93	159.14	16.17	-550.54	6.09	-18.14

STAAD SPACE

-- PAGE NO. 157

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
14	22		10.93	-159.14	-16.17	550.54	10.08	-141.00
	140		-10.93	159.14	16.17	-550.54	6.09	-18.14
15	22		10.75	-224.80	-32.45	942.11	20.43	-146.99
	140		-10.75	224.80	32.45	-942.11	12.01	-77.82
16	22		10.75	-224.80	-32.45	942.11	20.43	-146.99
	140		-10.75	224.80	32.45	-942.11	12.01	-77.82
17	22		10.43	-223.89	-32.48	941.79	20.46	-148.28
	140		-10.43	223.89	32.48	-941.79	12.02	-75.60
18	22		10.43	-223.89	-32.48	941.79	20.46	-148.28
	140		-10.43	223.89	32.48	-941.79	12.02	-75.60
19	22		-27.34	-456.17	-4.01	237.23	2.92	-522.51
	140		27.34	456.17	4.01	-237.23	1.09	66.34
20	22		7.01	-63.08	-9.16	313.38	5.69	-63.79
	140		-7.01	63.08	9.16	-313.38	3.47	0.71
21	22		10.43	-223.89	-32.48	941.79	20.46	-148.28
	140		-10.43	223.89	32.48	-941.79	12.02	-75.60
38	1	23	103.94	1000.71	-188.23	2263.50	48.57	2580.01
		143	-103.94	-988.93	188.23	-2263.50	45.54	-2082.60
	2	23	-7.91	10.48	-3.53	-10.05	0.79	6.33
		143	7.91	-10.48	3.53	10.05	0.98	-1.09
	3	23	0.11	-0.10	-0.71	3.35	0.13	-0.25
		143	-0.11	0.10	0.71	-3.35	0.23	0.20
	4	23	5.12	6.27	-3.12	47.90	1.46	2.93
		143	-5.12	-6.27	3.12	-47.90	0.10	0.21
	5	23	34.29	383.00	-74.67	1203.31	21.40	226.16
		143	-34.29	-383.00	74.67	-1203.31	15.94	-34.66
	6	23	47.59	372.71	-86.16	1617.87	23.65	1059.91
		143	-47.59	-372.71	86.16	-1617.87	19.43	-873.55
	7	23	11.57	362.32	-29.18	567.34	8.86	365.58
		143	-11.57	-362.32	29.18	-567.34	5.73	-184.42
	8	23	11.57	362.32	-29.18	567.34	8.86	365.58
		143	-11.57	-362.32	29.18	-567.34	5.73	-184.42
	9	23	0.37	4.71	-0.70	-17.09	-1.03	-6.78
		143	-0.37	-4.71	0.70	17.09	1.38	9.14
	10	23	0.37	4.71	-0.70	-17.09	-1.03	-6.78
		143	-0.37	-4.71	0.70	17.09	1.38	9.14
	11	23	23.23	311.28	-53.10	1024.18	16.03	920.10
		143	-23.23	-311.28	53.10	-1024.18	10.52	-764.46
	12	23	23.23	311.28	-53.10	1024.18	16.03	920.10
		143	-23.23	-311.28	53.10	-1024.18	10.52	-764.46
	13	23	20.89	211.01	-51.65	985.94	15.84	366.45
		143	-20.89	-211.01	51.65	-985.94	9.98	-260.94
	14	23	20.89	211.01	-51.65	985.94	15.84	366.45
		143	-20.89	-211.01	51.65	-985.94	9.98	-260.94

STAAD SPACE

-- PAGE NO. 158

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
15	23		49.43	388.34	-99.52	1942.89	29.38	1105.92
	143		-49.43	-388.34	99.52	-1942.89	20.37	-911.75
16	23		49.43	388.34	-99.52	1942.89	29.38	1105.92
	143		-49.43	-388.34	99.52	-1942.89	20.37	-911.75
17	23		49.74	400.38	-99.38	1940.41	29.34	1134.66
	143		-49.74	-400.38	99.38	-1940.41	20.35	-934.47
18	23		49.74	400.38	-99.38	1940.41	29.34	1134.66
	143		-49.74	-400.38	99.38	-1940.41	20.35	-934.47
19	23		32.87	670.55	-30.71	684.17	7.60	1996.20
	143		-32.87	-670.55	30.71	-684.17	7.76	-1660.93
20	23		11.57	362.32	-29.18	567.34	8.86	365.58
	143		-11.57	-362.32	29.18	-567.34	5.73	-184.42
21	23		49.74	400.38	-99.38	1940.41	29.34	1134.66
	143		-49.74	-400.38	99.38	-1940.41	20.35	-934.47
39	1	2	1574.55	128.98	-362.95	0.00	4355.37	1547.81
	25		-2074.19	-128.98	362.95	0.00	0.00	0.00
	2	2	122.96	30.65	0.82	0.00	-9.89	367.75
	25		-122.96	-30.65	-0.82	0.00	0.00	0.00
	3	2	64.35	11.07	-26.07	0.00	312.81	132.89
	25		-64.35	-11.07	26.07	0.00	0.00	0.00
	4	2	156.37	26.54	-148.25	0.00	1778.98	318.43
	25		-156.37	-26.54	148.25	0.00	0.00	0.00
	5	2	853.31	35.16	-210.16	0.00	2521.92	421.86
	25		-853.31	-35.16	210.16	0.00	0.00	0.00
	6	2	504.19	53.31	-179.99	0.00	2159.88	639.72
	25		-504.19	-53.31	179.99	0.00	0.00	0.00
	7	2	206.11	-7.54	-43.10	0.00	517.18	-90.52
	25		-206.11	7.54	43.10	0.00	0.00	0.00
	8	2	206.11	-7.54	-43.10	0.00	517.18	-90.52
	25		-206.11	7.54	43.10	0.00	0.00	0.00
	9	2	-0.15	0.14	-0.24	0.00	2.91	1.70
	25		0.15	-0.14	0.24	0.00	0.00	0.00
	10	2	-0.15	0.14	-0.24	0.00	2.91	1.70
	25		0.15	-0.14	0.24	0.00	0.00	0.00
	11	2	285.39	9.07	-85.68	0.00	1028.14	108.82
	25		-285.39	-9.07	85.68	0.00	0.00	0.00
	12	2	285.39	9.07	-85.68	0.00	1028.14	108.82
	25		-285.39	-9.07	85.68	0.00	0.00	0.00
	13	2	286.90	-7.63	-102.38	0.00	1228.52	-91.56
	25		-286.90	7.63	102.38	0.00	0.00	0.00
	14	2	286.90	-7.63	-102.38	0.00	1228.52	-91.56
	25		-286.90	7.63	102.38	0.00	0.00	0.00
	15	2	154.51	22.47	-155.91	0.00	1870.91	269.61
	25		-154.51	-22.47	155.91	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 159

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
16	2		154.51	22.47	-155.91	0.00	1870.91	269.61
	25		-154.51	-22.47	155.91	0.00	0.00	0.00
17	2		149.40	22.17	-155.94	0.00	1871.25	266.04
	25		-149.40	-22.17	155.94	0.00	0.00	0.00
18	2		149.40	22.17	-155.94	0.00	1871.25	266.04
	25		-149.40	-22.17	155.94	0.00	0.00	0.00
19	2		96.86	4.12	-27.39	0.00	328.65	49.42
	25		-96.86	-4.12	27.39	0.00	0.00	0.00
20	2		206.11	-7.54	-43.10	0.00	517.18	-90.52
	25		-206.11	7.54	43.10	0.00	0.00	0.00
21	2		149.40	22.17	-155.94	0.00	1871.25	266.04
	25		-149.40	-22.17	155.94	0.00	0.00	0.00
40	1	3	1574.55	-128.98	-362.95	0.00	4355.37	-1547.81
	26		-2074.19	128.98	362.95	0.00	0.00	0.00
2	3		-11.33	3.16	0.58	0.00	-6.96	37.97
	26		11.33	-3.16	-0.58	0.00	0.00	0.00
3	3		42.46	-11.13	-23.79	0.00	285.47	-133.52
	26		-42.46	11.13	23.79	0.00	0.00	0.00
4	3		842.70	-28.14	-201.73	0.00	2420.70	-337.67
	26		-842.70	28.14	201.73	0.00	0.00	0.00
5	3		139.50	-24.06	-155.54	0.00	1866.52	-288.74
	26		-139.50	24.06	155.54	0.00	0.00	0.00
6	3		441.81	-51.13	-179.20	0.00	2150.37	-613.53
	26		-441.81	51.13	179.20	0.00	0.00	0.00
7	3		-56.72	-19.75	-30.20	0.00	362.43	-236.95
	26		56.72	19.75	30.20	0.00	0.00	0.00
8	3		-56.72	-19.75	-30.20	0.00	362.43	-236.95
	26		56.72	19.75	30.20	0.00	0.00	0.00
9	3		1.41	0.00	-0.43	0.00	5.17	0.01
	26		-1.41	0.00	0.43	0.00	0.00	0.00
10	3		1.41	0.00	-0.43	0.00	5.17	0.01
	26		-1.41	0.00	0.43	0.00	0.00	0.00
11	3		28.93	4.35	-47.21	0.00	566.49	52.25
	26		-28.93	-4.35	47.21	0.00	0.00	0.00
12	3		28.93	4.35	-47.21	0.00	566.49	52.25
	26		-28.93	-4.35	47.21	0.00	0.00	0.00
13	3		198.51	-22.52	-105.65	0.00	1267.78	-270.21
	26		-198.51	22.52	105.65	0.00	0.00	0.00
14	3		198.51	-22.52	-105.65	0.00	1267.78	-270.21
	26		-198.51	22.52	105.65	0.00	0.00	0.00
15	3		821.74	-33.05	-209.84	0.00	2518.11	-396.57
	26		-821.74	33.05	209.84	0.00	0.00	0.00
16	3		821.74	-33.05	-209.84	0.00	2518.11	-396.57
	26		-821.74	33.05	209.84	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 160

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
17	3		803.25	-32.08	-209.93	0.00	2519.21	-384.97
	26		-803.25	32.08	209.93	0.00	0.00	0.00
18	3		803.25	-32.08	-209.93	0.00	2519.21	-384.97
	26		-803.25	32.08	209.93	0.00	0.00	0.00
19	3		12.58	-18.07	-25.96	0.00	311.48	-216.88
	26		-12.58	18.07	25.96	0.00	0.00	0.00
20	3		-56.72	-19.75	-30.20	0.00	362.43	-236.95
	26		56.72	19.75	30.20	0.00	0.00	0.00
21	3		803.25	-32.08	-209.93	0.00	2519.21	-384.97
	26		-803.25	32.08	209.93	0.00	0.00	0.00
41	1	6	3298.39	238.28	52.07	0.00	-624.89	2859.39
	27		-3798.03	-238.28	-52.07	0.00	0.00	0.00
	2	6	-208.41	21.50	-8.26	0.00	99.11	257.99
	27		208.41	-21.50	8.26	0.00	0.00	0.00
	3	6	912.97	97.36	7.27	0.00	-87.30	1168.37
	27		-912.97	-97.36	-7.27	0.00	0.00	0.00
	4	6	90.91	23.96	135.12	0.00	-1621.45	287.55
	27		-90.91	-23.96	-135.12	0.00	0.00	0.00
	5	6	981.03	37.82	162.97	0.00	-1955.65	453.83
	27		-981.03	-37.82	-162.97	0.00	0.00	0.00
	6	6	557.93	58.31	141.71	0.00	-1700.53	699.68
	27		-557.93	-58.31	-141.71	0.00	0.00	0.00
	7	6	1460.40	64.90	17.20	0.00	-206.36	778.85
	27		-1460.40	-64.90	-17.20	0.00	0.00	0.00
	8	6	1460.40	64.90	17.20	0.00	-206.36	778.85
	27		-1460.40	-64.90	-17.20	0.00	0.00	0.00
	9	6	-4.50	-0.36	2.65	0.00	-31.79	-4.34
	27		4.50	0.36	-2.65	0.00	0.00	0.00
	10	6	-4.50	-0.36	2.65	0.00	-31.79	-4.34
	27		4.50	0.36	-2.65	0.00	0.00	0.00
	11	6	179.14	16.68	31.35	0.00	-376.25	200.13
	27		-179.14	-16.68	-31.35	0.00	0.00	0.00
	12	6	179.14	16.68	31.35	0.00	-376.25	200.13
	27		-179.14	-16.68	-31.35	0.00	0.00	0.00
	13	6	1391.28	72.38	71.18	0.00	-854.21	868.59
	27		-1391.28	-72.38	-71.18	0.00	0.00	0.00
	14	6	1391.28	72.38	71.18	0.00	-854.21	868.59
	27		-1391.28	-72.38	-71.18	0.00	0.00	0.00
	15	6	116.22	23.83	125.99	0.00	-1511.82	285.97
	27		-116.22	-23.83	-125.99	0.00	0.00	0.00
	16	6	116.22	23.83	125.99	0.00	-1511.82	285.97
	27		-116.22	-23.83	-125.99	0.00	0.00	0.00
	17	6	122.91	23.78	126.06	0.00	-1512.71	285.36
	27		-122.91	-23.78	-126.06	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 161

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
18	6		122.91	23.78	126.06	0.00	-1512.71	285.36
	27		-122.91	-23.78	-126.06	0.00	0.00	0.00
19	6		924.07	95.67	4.95	0.00	-59.42	1148.08
	27		-924.07	-95.67	-4.95	0.00	0.00	0.00
20	6		1460.40	64.90	17.20	0.00	-206.36	778.85
	27		-1460.40	-64.90	-17.20	0.00	0.00	0.00
21	6		122.91	23.78	126.06	0.00	-1512.71	285.36
	27		-122.91	-23.78	-126.06	0.00	0.00	0.00
42	1	7	3298.39	-238.28	52.07	0.00	-624.89	-2859.39
	28		-3798.03	238.28	-52.07	0.00	0.00	0.00
	2	7	764.34	-39.51	-16.91	0.00	202.94	-474.07
	28		-764.34	39.51	16.91	0.00	0.00	0.00
	3	7	888.00	-96.34	5.19	0.00	-62.31	-1156.10
	28		-888.00	96.34	-5.19	0.00	0.00	0.00
	4	7	989.06	-39.07	172.69	0.00	-2072.27	-468.80
	28		-989.06	39.07	-172.69	0.00	0.00	0.00
	5	7	110.88	-24.30	125.68	0.00	-1508.15	-291.63
	28		-110.88	24.30	-125.68	0.00	0.00	0.00
	6	7	581.44	-60.58	140.92	0.00	-1691.07	-727.01
	28		-581.44	60.58	-140.92	0.00	0.00	0.00
	7	7	332.77	-20.85	14.65	0.00	-175.78	-250.25
	28		-332.77	20.85	-14.65	0.00	0.00	0.00
	8	7	332.77	-20.85	14.65	0.00	-175.78	-250.25
	28		-332.77	20.85	-14.65	0.00	0.00	0.00
	9	7	-9.11	0.52	3.14	0.00	-37.72	6.19
	28		9.11	-0.52	-3.14	0.00	0.00	0.00
	10	7	-9.11	0.52	3.14	0.00	-37.72	6.19
	28		9.11	-0.52	-3.14	0.00	0.00	0.00
	11	7	600.02	-28.35	-21.96	0.00	263.58	-340.23
	28		-600.02	28.35	21.96	0.00	0.00	0.00
	12	7	600.02	-28.35	-21.96	0.00	263.58	-340.23
	28		-600.02	28.35	21.96	0.00	0.00	0.00
	13	7	122.53	-29.22	80.78	0.00	-969.41	-350.65
	28		-122.53	29.22	-80.78	0.00	0.00	0.00
	14	7	122.53	-29.22	80.78	0.00	-969.41	-350.65
	28		-122.53	29.22	-80.78	0.00	0.00	0.00
	15	7	992.14	-38.49	162.59	0.00	-1951.11	-461.89
	28		-992.14	38.49	-162.59	0.00	0.00	0.00
	16	7	992.14	-38.49	162.59	0.00	-1951.11	-461.89
	28		-992.14	38.49	-162.59	0.00	0.00	0.00
	17	7	1009.01	-39.50	162.61	0.00	-1951.37	-473.99
	28		-1009.01	39.50	-162.61	0.00	0.00	0.00
	18	7	1009.01	-39.50	162.61	0.00	-1951.37	-473.99
	28		-1009.01	39.50	-162.61	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 162

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
19	7		875.92	-97.99	2.14	0.00	-25.71	-1175.85
	28		-875.92	97.99	-2.14	0.00	0.00	0.00
20	7		332.77	-20.85	14.65	0.00	-175.78	-250.25
	28		-332.77	20.85	-14.65	0.00	0.00	0.00
21	7		1009.01	-39.50	162.61	0.00	-1951.37	-473.99
	28		-1009.01	39.50	-162.61	0.00	0.00	0.00
43	1	10	3167.46	232.27	-7.77	0.00	93.24	2787.25
	29		-3667.10	-232.27	7.77	0.00	0.00	0.00
	2	10	-289.49	18.29	-21.76	0.00	261.06	219.44
	29		289.49	-18.29	21.76	0.00	0.00	0.00
	3	10	43.81	11.15	16.03	0.00	-192.41	133.76
	29		-43.81	-11.15	-16.03	0.00	0.00	0.00
	4	10	-51.55	5.90	-4.12	0.00	49.43	70.84
	29		51.55	-5.90	4.12	0.00	0.00	0.00
	5	10	-21.96	-14.43	-29.97	0.00	359.65	-173.21
	29		21.96	14.43	29.97	0.00	0.00	0.00
	6	10	-43.16	-1.46	-24.26	0.00	291.11	-17.57
	29		43.16	1.46	24.26	0.00	0.00	0.00
	7	10	135.73	0.97	11.54	0.00	-138.53	11.67
	29		-135.73	-0.97	-11.54	0.00	0.00	0.00
	8	10	135.73	0.97	11.54	0.00	-138.53	11.67
	29		-135.73	-0.97	-11.54	0.00	0.00	0.00
	9	10	43.78	11.62	-16.05	0.00	192.60	139.50
	29		-43.78	-11.62	16.05	0.00	0.00	0.00
	10	10	43.78	11.62	-16.05	0.00	192.60	139.50
	29		-43.78	-11.62	16.05	0.00	0.00	0.00
	11	10	258.94	11.11	16.57	0.00	-198.82	133.34
	29		-258.94	-11.11	-16.57	0.00	0.00	0.00
	12	10	258.94	11.11	16.57	0.00	-198.82	133.34
	29		-258.94	-11.11	-16.57	0.00	0.00	0.00
	13	10	119.07	3.05	1.87	0.00	-22.42	36.60
	29		-119.07	-3.05	-1.87	0.00	0.00	0.00
	14	10	119.07	3.05	1.87	0.00	-22.42	36.60
	29		-119.07	-3.05	-1.87	0.00	0.00	0.00
	15	10	-67.37	11.12	-19.55	0.00	234.57	133.44
	29		67.37	-11.12	19.55	0.00	0.00	0.00
	16	10	-67.37	11.12	-19.55	0.00	234.57	133.44
	29		67.37	-11.12	19.55	0.00	0.00	0.00
	17	10	-67.87	11.10	-19.55	0.00	234.57	133.14
	29		67.87	-11.10	19.55	0.00	0.00	0.00
	18	10	-67.87	11.10	-19.55	0.00	234.57	133.14
	29		67.87	-11.10	19.55	0.00	0.00	0.00
	19	10	15.26	14.77	14.32	0.00	-171.81	177.21
	29		-15.26	-14.77	-14.32	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 163

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
20	10	11	135.73	0.97	11.54	0.00	-138.53	11.67
	29	30	-135.73	-0.97	-11.54	0.00	0.00	0.00
21	10	11	-67.87	11.10	-19.55	0.00	234.57	133.14
	29	30	67.87	-11.10	19.55	0.00	0.00	0.00
44	1	11	3167.46	-232.27	-7.77	0.00	93.24	-2787.25
		30	-3667.10	232.27	7.77	0.00	0.00	0.00
	2	11	817.02	-36.32	-33.24	0.00	398.84	-435.85
		30	-817.02	36.32	33.24	0.00	0.00	0.00
	3	11	58.00	-12.42	17.01	0.00	-204.12	-148.98
		30	-58.00	12.42	-17.01	0.00	0.00	0.00
	4	11	-58.18	10.50	-12.67	0.00	152.10	125.99
		30	58.18	-10.50	12.67	0.00	0.00	0.00
	5	11	-62.82	-11.04	-19.66	0.00	235.90	-132.46
		30	62.82	11.04	19.66	0.00	0.00	0.00
	6	11	-42.18	0.57	-23.93	0.00	287.17	6.80
		30	42.18	-0.57	23.93	0.00	0.00	0.00
	7	11	-67.73	-9.94	2.51	0.00	-30.09	-119.28
		30	67.73	9.94	-2.51	0.00	0.00	0.00
	8	11	-67.73	-9.94	2.51	0.00	-30.09	-119.28
		30	67.73	9.94	-2.51	0.00	0.00	0.00
	9	11	71.48	-13.26	-17.72	0.00	212.61	-159.17
		30	-71.48	13.26	17.72	0.00	0.00	0.00
	10	11	71.48	-13.26	-17.72	0.00	212.61	-159.17
		30	-71.48	13.26	17.72	0.00	0.00	0.00
	11	11	617.33	-20.81	58.27	0.00	-699.26	-249.75
		30	-617.33	20.81	-58.27	0.00	0.00	0.00
	12	11	617.33	-20.81	58.27	0.00	-699.26	-249.75
		30	-617.33	20.81	-58.27	0.00	0.00	0.00
	13	11	-113.77	-6.32	-12.00	0.00	144.00	-75.83
		30	113.77	6.32	12.00	0.00	0.00	0.00
	14	11	-113.77	-6.32	-12.00	0.00	144.00	-75.83
		30	113.77	6.32	12.00	0.00	0.00	0.00
	15	11	-17.25	14.44	-30.13	0.00	361.59	173.27
		30	17.25	-14.44	30.13	0.00	0.00	0.00
	16	11	-17.25	14.44	-30.13	0.00	361.59	173.27
		30	17.25	-14.44	30.13	0.00	0.00	0.00
	17	11	-16.69	14.32	-30.09	0.00	361.11	171.84
		30	16.69	-14.32	30.09	0.00	0.00	0.00
	18	11	-16.69	14.32	-30.09	0.00	361.11	171.84
		30	16.69	-14.32	30.09	0.00	0.00	0.00
	19	11	90.01	-9.06	11.91	0.00	-142.92	-108.73
		30	-90.01	9.06	-11.91	0.00	0.00	0.00
	20	11	-67.73	-9.94	2.51	0.00	-30.09	-119.28
		30	67.73	9.94	-2.51	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 164

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	21	11	-16.69	14.32	-30.09	0.00	361.11	171.84
		30	16.69	-14.32	30.09	0.00	0.00	0.00
45	1	14	3167.46	232.27	7.77	0.00	-93.23	2787.25
		31	-3667.10	-232.27	-7.77	0.00	0.00	0.00
	2	14	-298.61	19.01	16.82	0.00	-201.80	228.17
		31	298.61	-19.01	-16.82	0.00	0.00	0.00
	3	14	-4.21	-0.44	-0.60	0.00	7.23	-5.28
		31	4.21	0.44	0.60	0.00	0.00	0.00
	4	14	85.93	4.70	-8.19	0.00	98.22	56.36
		31	-85.93	-4.70	8.19	0.00	0.00	0.00
	5	14	-12.61	-13.17	29.48	0.00	-353.73	-158.05
		31	12.61	13.17	-29.48	0.00	0.00	0.00
	6	14	-41.09	-1.26	24.19	0.00	-290.25	-15.06
		31	41.09	1.26	-24.19	0.00	0.00	0.00
	7	14	4.68	-3.11	2.05	0.00	-24.57	-37.35
		31	-4.68	3.11	-2.05	0.00	0.00	0.00
	8	14	4.68	-3.11	2.05	0.00	-24.57	-37.35
		31	-4.68	3.11	-2.05	0.00	0.00	0.00
	9	14	906.78	96.51	-1.25	0.00	15.01	1158.10
		31	-906.78	-96.51	1.25	0.00	0.00	0.00
	10	14	906.78	96.51	-1.25	0.00	15.01	1158.10
		31	-906.78	-96.51	1.25	0.00	0.00	0.00
	11	14	248.12	27.99	-59.33	0.00	711.97	335.84
		31	-248.12	-27.99	59.33	0.00	0.00	0.00
	12	14	248.12	27.99	-59.33	0.00	711.97	335.84
		31	-248.12	-27.99	59.33	0.00	0.00	0.00
	13	14	-1.54	-1.72	8.48	0.00	-101.79	-20.64
		31	1.54	1.72	-8.48	0.00	0.00	0.00
	14	14	-1.54	-1.72	8.48	0.00	-101.79	-20.64
		31	1.54	1.72	-8.48	0.00	0.00	0.00
	15	14	-67.98	11.09	19.55	0.00	-234.60	133.09
		31	67.98	-11.09	-19.55	0.00	0.00	0.00
	16	14	-67.98	11.09	19.55	0.00	-234.60	133.09
		31	67.98	-11.09	-19.55	0.00	0.00	0.00
	17	14	-67.48	11.11	19.55	0.00	-234.57	133.35
		31	67.48	-11.11	-19.55	0.00	0.00	0.00
	18	14	-67.48	11.11	19.55	0.00	-234.57	133.35
		31	67.48	-11.11	-19.55	0.00	0.00	0.00
	19	14	-28.86	11.31	-0.78	0.00	9.37	135.67
		31	28.86	-11.31	0.78	0.00	0.00	0.00
	20	14	4.68	-3.11	2.05	0.00	-24.57	-37.35
		31	-4.68	3.11	-2.05	0.00	0.00	0.00
	21	14	-67.48	11.11	19.55	0.00	-234.57	133.35
		31	67.48	-11.11	-19.55	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 165

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
46	1	15	3167.46	-232.27	7.77	0.00	-93.23	-2787.25
		32	-3667.10	232.27	-7.77	0.00	0.00	0.00
	2	15	838.07	-35.56	25.32	0.00	-303.89	-426.68
		32	-838.07	35.56	-25.32	0.00	0.00	0.00
	3	15	-7.98	0.37	-0.90	0.00	10.79	4.42
		32	7.98	-0.37	0.90	0.00	0.00	0.00
	4	15	38.67	1.82	-0.08	0.00	0.91	21.78
		32	-38.67	-1.82	0.08	0.00	0.00	0.00
	5	15	-72.15	-9.91	20.15	0.00	-241.82	-118.91
		32	72.15	9.91	-20.15	0.00	0.00	0.00
	6	15	-44.44	0.89	24.02	0.00	-288.25	10.69
		32	44.44	-0.89	-24.02	0.00	0.00	0.00
	7	15	-40.20	-1.25	6.18	0.00	-74.21	-15.04
		32	40.20	1.25	-6.18	0.00	0.00	0.00
	8	15	-40.20	-1.25	6.18	0.00	-74.21	-15.04
		32	40.20	1.25	-6.18	0.00	0.00	0.00
	9	15	887.44	-95.30	1.73	0.00	-20.77	-1143.55
		32	-887.44	95.30	-1.73	0.00	0.00	0.00
	10	15	887.44	-95.30	1.73	0.00	-20.77	-1143.55
		32	-887.44	95.30	-1.73	0.00	0.00	0.00
	11	15	695.70	-21.65	-82.12	0.00	985.48	-259.77
		32	-695.70	21.65	82.12	0.00	0.00	0.00
	12	15	695.70	-21.65	-82.12	0.00	985.48	-259.77
		32	-695.70	21.65	82.12	0.00	0.00	0.00
	13	15	-46.25	0.80	16.28	0.00	-195.34	9.59
		32	46.25	-0.80	-16.28	0.00	0.00	0.00
	14	15	-46.25	0.80	16.28	0.00	-195.34	9.59
		32	46.25	-0.80	-16.28	0.00	0.00	0.00
	15	15	-16.58	14.30	30.09	0.00	-361.08	171.58
		32	16.58	-14.30	-30.09	0.00	0.00	0.00
	16	15	-16.58	14.30	30.09	0.00	-361.08	171.58
		32	16.58	-14.30	-30.09	0.00	0.00	0.00
	17	15	-17.11	14.41	30.12	0.00	-361.45	172.94
		32	17.11	-14.41	-30.12	0.00	0.00	0.00
	18	15	-17.11	14.41	30.12	0.00	-361.45	172.94
		32	17.11	-14.41	-30.12	0.00	0.00	0.00
	19	15	-8.79	13.38	4.69	0.00	-56.33	160.61
		32	8.79	-13.38	-4.69	0.00	0.00	0.00
	20	15	-40.20	-1.25	6.18	0.00	-74.21	-15.04
		32	40.20	1.25	-6.18	0.00	0.00	0.00
	21	15	-17.11	14.41	30.12	0.00	-361.45	172.94
		32	17.11	-14.41	-30.12	0.00	0.00	0.00
47	1	18	3298.39	238.28	-52.07	0.00	624.89	2859.39
		33	-3798.03	-238.28	52.07	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 166

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
2	18		-236.64	21.57	17.05	0.00	-204.59	258.86
	33		236.64	-21.57	-17.05	0.00	0.00	0.00
3	18		0.08	0.12	1.95	0.00	-23.35	1.42
	33		-0.08	-0.12	-1.95	0.00	0.00	0.00
4	18		809.79	3.63	26.01	0.00	-312.10	43.57
	33		-809.79	-3.63	-26.01	0.00	0.00	0.00
5	18		924.24	40.54	-159.18	0.00	1910.12	486.43
	33		-924.24	-40.54	159.18	0.00	0.00	0.00
6	18		580.90	59.68	-141.74	0.00	1700.83	716.11
	33		-580.90	-59.68	141.74	0.00	0.00	0.00
7	18		10.21	0.63	-35.93	0.00	431.17	7.52
	33		-10.21	-0.63	35.93	0.00	0.00	0.00
8	18		10.21	0.63	-35.93	0.00	431.17	7.52
	33		-10.21	-0.63	35.93	0.00	0.00	0.00
9	18		76.43	12.93	18.44	0.00	-221.29	155.12
	33		-76.43	-12.93	-18.44	0.00	0.00	0.00
10	18		76.43	12.93	18.44	0.00	-221.29	155.12
	33		-76.43	-12.93	-18.44	0.00	0.00	0.00
11	18		71.18	29.30	11.92	0.00	-143.09	351.63
	33		-71.18	-29.30	-11.92	0.00	0.00	0.00
12	18		71.18	29.30	11.92	0.00	-143.09	351.63
	33		-71.18	-29.30	-11.92	0.00	0.00	0.00
13	18		33.11	-0.48	-60.56	0.00	726.74	-5.77
	33		-33.11	0.48	60.56	0.00	0.00	0.00
14	18		33.11	-0.48	-60.56	0.00	726.74	-5.77
	33		-33.11	0.48	60.56	0.00	0.00	0.00
15	18		124.22	23.77	-126.08	0.00	1512.94	285.24
	33		-124.22	-23.77	126.08	0.00	0.00	0.00
16	18		124.22	23.77	-126.08	0.00	1512.94	285.24
	33		-124.22	-23.77	126.08	0.00	0.00	0.00
17	18		117.71	23.82	-125.98	0.00	1511.77	285.85
	33		-117.71	-23.82	125.98	0.00	0.00	0.00
18	18		117.71	23.82	-125.98	0.00	1511.77	285.85
	33		-117.71	-23.82	125.98	0.00	0.00	0.00
19	18		-228.60	19.41	-21.16	0.00	253.89	232.96
	33		228.60	-19.41	21.16	0.00	0.00	0.00
20	18		10.21	0.63	-35.93	0.00	431.17	7.52
	33		-10.21	-0.63	35.93	0.00	0.00	0.00
21	18		117.71	23.82	-125.98	0.00	1511.77	285.85
	33		-117.71	-23.82	125.98	0.00	0.00	0.00
48	1	19	3298.39	-238.28	-52.07	0.00	624.89	-2859.39
		34	-3798.03	238.28	52.07	0.00	0.00	0.00
	2	19	741.64	-31.29	27.40	0.00	-328.81	-375.53
		34	-741.64	31.29	-27.40	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 167

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
3	19		1.18	-0.07	1.99	0.00	-23.89	-0.86
	34		-1.18	0.07	-1.99	0.00	0.00	0.00
4	19		73.05	4.17	23.14	0.00	-277.65	50.02
	34		-73.05	-4.17	-23.14	0.00	0.00	0.00
5	19		179.47	-27.78	-128.37	0.00	1540.50	-333.35
	34		-179.47	27.78	128.37	0.00	0.00	0.00
6	19		546.59	-58.04	-141.21	0.00	1694.47	-696.48
	34		-546.59	58.04	141.21	0.00	0.00	0.00
7	19		251.50	-5.43	-50.39	0.00	604.71	-65.21
	34		-251.50	5.43	50.39	0.00	0.00	0.00
8	19		251.50	-5.43	-50.39	0.00	604.71	-65.21
	34		-251.50	5.43	50.39	0.00	0.00	0.00
9	19		37.77	-11.80	16.33	0.00	-195.97	-141.58
	34		-37.77	11.80	-16.33	0.00	0.00	0.00
10	19		37.77	-11.80	16.33	0.00	-195.97	-141.58
	34		-37.77	11.80	-16.33	0.00	0.00	0.00
11	19		1045.99	-35.63	4.29	0.00	-51.42	-427.57
	34		-1045.99	35.63	-4.29	0.00	0.00	0.00
12	19		1045.99	-35.63	4.29	0.00	-51.42	-427.57
	34		-1045.99	35.63	-4.29	0.00	0.00	0.00
13	19		506.42	-10.43	-84.06	0.00	1008.78	-125.14
	34		-506.42	10.43	84.06	0.00	0.00	0.00
14	19		506.42	-10.43	-84.06	0.00	1008.78	-125.14
	34		-506.42	10.43	84.06	0.00	0.00	0.00
15	19		1012.29	-39.69	-162.63	0.00	1951.50	-476.33
	34		-1012.29	39.69	162.63	0.00	0.00	0.00
16	19		1012.29	-39.69	-162.63	0.00	1951.50	-476.33
	34		-1012.29	39.69	162.63	0.00	0.00	0.00
17	19		995.22	-38.68	-162.56	0.00	1950.71	-464.16
	34		-995.22	38.68	162.56	0.00	0.00	0.00
18	19		995.22	-38.68	-162.56	0.00	1950.71	-464.16
	34		-995.22	38.68	162.56	0.00	0.00	0.00
19	19		455.14	-7.81	-51.45	0.00	617.36	-93.73
	34		-455.14	7.81	51.45	0.00	0.00	0.00
20	19		251.50	-5.43	-50.39	0.00	604.71	-65.21
	34		-251.50	5.43	50.39	0.00	0.00	0.00
21	19		995.22	-38.68	-162.56	0.00	1950.71	-464.16
	34		-995.22	38.68	162.56	0.00	0.00	0.00
49	1	22	1574.55	128.98	362.95	0.00	-4355.37	1547.81
		35	-2074.19	-128.98	-362.95	0.00	0.00	0.00
	2	22	-81.34	15.38	-4.00	0.00	48.06	184.53
		35	81.34	-15.38	4.00	0.00	0.00	0.00
	3	22	0.00	0.15	0.98	0.00	-11.73	1.83
		35	0.00	-0.15	-0.98	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 168

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
4	22		50.55	-7.07	9.03	0.00	-108.42	-84.85
	35		-50.55	7.07	-9.03	0.00	0.00	0.00
5	22		775.99	36.57	205.13	0.00	-2461.59	438.84
	35		-775.99	-36.57	-205.13	0.00	0.00	0.00
6	22		475.35	52.81	180.22	0.00	-2162.64	633.75
	35		-475.35	-52.81	-180.22	0.00	0.00	0.00
7	22		58.04	1.51	44.10	0.00	-529.23	18.13
	35		-58.04	-1.51	-44.10	0.00	0.00	0.00
8	22		58.04	1.51	44.10	0.00	-529.23	18.13
	35		-58.04	-1.51	-44.10	0.00	0.00	0.00
9	22		-5.34	-0.61	-3.76	0.00	45.11	-7.29
	35		5.34	0.61	3.76	0.00	0.00	0.00
10	22		-5.34	-0.61	-3.76	0.00	45.11	-7.29
	35		5.34	0.61	3.76	0.00	0.00	0.00
11	22		168.59	24.19	71.14	0.00	-853.72	290.28
	35		-168.59	-24.19	-71.14	0.00	0.00	0.00
12	22		168.59	24.19	71.14	0.00	-853.72	290.28
	35		-168.59	-24.19	-71.14	0.00	0.00	0.00
13	22		46.38	4.42	77.50	0.00	-930.04	53.00
	35		-46.38	-4.42	-77.50	0.00	0.00	0.00
14	22		46.38	4.42	77.50	0.00	-930.04	53.00
	35		-46.38	-4.42	-77.50	0.00	0.00	0.00
15	22		148.42	22.11	155.95	0.00	-1871.44	265.32
	35		-148.42	-22.11	-155.95	0.00	0.00	0.00
16	22		148.42	22.11	155.95	0.00	-1871.44	265.32
	35		-148.42	-22.11	-155.95	0.00	0.00	0.00
17	22		153.65	22.41	155.90	0.00	-1870.75	268.89
	35		-153.65	-22.41	-155.90	0.00	0.00	0.00
18	22		153.65	22.41	155.90	0.00	-1870.75	268.89
	35		-153.65	-22.41	-155.90	0.00	0.00	0.00
19	22		-369.64	37.94	24.50	0.00	-293.97	455.26
	35		369.64	-37.94	-24.50	0.00	0.00	0.00
20	22		58.04	1.51	44.10	0.00	-529.23	18.13
	35		-58.04	-1.51	-44.10	0.00	0.00	0.00
21	22		153.65	22.41	155.90	0.00	-1870.75	268.89
	35		-153.65	-22.41	-155.90	0.00	0.00	0.00
50	1	23	1574.55	-128.98	362.95	0.00	-4355.37	-1547.81
		36	-2074.19	128.98	-362.95	0.00	0.00	0.00
2	23		70.81	13.12	-3.83	0.00	45.92	157.43
	36		-70.81	-13.12	3.83	0.00	0.00	0.00
3	23		1.33	0.17	0.93	0.00	-11.18	2.05
	36		-1.33	-0.17	-0.93	0.00	0.00	0.00
4	23		-27.30	-6.94	9.04	0.00	-108.44	-83.25
	36		27.30	6.94	-9.04	0.00	0.00	0.00

STAAD SPACE

-- PAGE NO. 169

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
5	23	37	205.12	-25.38	159.47	0.00	-1913.66	-304.60
		40	-205.12	25.38	-159.47	0.00	0.00	0.00
6	23	37	482.65	-53.09	179.26	0.00	-2151.09	-637.11
		40	-482.65	53.09	-179.26	0.00	0.00	0.00
7	23	37	704.39	-0.13	61.39	0.00	-736.73	-1.56
		40	-704.39	0.13	-61.39	0.00	0.00	0.00
8	23	37	704.39	-0.13	61.39	0.00	-736.73	-1.56
		40	-704.39	0.13	-61.39	0.00	0.00	0.00
9	23	37	-5.98	-0.39	-2.84	0.00	34.14	-4.69
		40	5.98	0.39	2.84	0.00	0.00	0.00
10	23	37	-5.98	-0.39	-2.84	0.00	34.14	-4.69
		40	5.98	0.39	2.84	0.00	0.00	0.00
11	23	37	700.48	-16.25	102.76	0.00	-1233.09	-194.98
		40	-700.48	16.25	-102.76	0.00	0.00	0.00
12	23	37	700.48	-16.25	102.76	0.00	-1233.09	-194.98
		40	-700.48	16.25	-102.76	0.00	0.00	0.00
13	23	37	457.36	-2.33	108.55	0.00	-1302.60	-27.98
		40	-457.36	2.33	-108.55	0.00	0.00	0.00
14	23	37	457.36	-2.33	108.55	0.00	-1302.60	-27.98
		40	-457.36	2.33	-108.55	0.00	0.00	0.00
15	23	37	799.63	-31.89	209.96	0.00	-2519.57	-382.73
		40	-799.63	31.89	-209.96	0.00	0.00	0.00
16	23	37	799.63	-31.89	209.96	0.00	-2519.57	-382.73
		40	-799.63	31.89	-209.96	0.00	0.00	0.00
17	23	37	818.01	-32.86	209.81	0.00	-2517.78	-394.30
		40	-818.01	32.86	-209.81	0.00	0.00	0.00
18	23	37	818.01	-32.86	209.81	0.00	-2517.78	-394.30
		40	-818.01	32.86	-209.81	0.00	0.00	0.00
19	23	37	1166.03	-63.67	64.22	0.00	-770.59	-764.03
		40	-1166.03	63.67	-64.22	0.00	0.00	0.00
20	23	37	704.39	-0.13	61.39	0.00	-736.73	-1.56
		40	-704.39	0.13	-61.39	0.00	0.00	0.00
21	23	37	818.01	-32.86	209.81	0.00	-2517.78	-394.30
		40	-818.01	32.86	-209.81	0.00	0.00	0.00
51	1	37	11.96	-240.24	-7.07	287.27	5.61	651.88
		40	-11.96	275.59	7.07	-287.27	4.99	-1038.75
	2	37	2.08	-99.24	-0.41	-28.61	0.26	96.03
		40	-2.08	99.24	0.41	28.61	0.35	-244.90
	3	37	1.11	2.06	-1.36	110.20	0.75	115.08
		40	-1.11	-2.06	1.36	-110.20	1.29	-111.98
	4	37	3.50	-59.16	-2.82	-14.52	2.34	-101.79
		40	-3.50	59.16	2.82	14.52	1.90	13.05
	5	37	6.59	28.78	-3.78	249.98	3.14	367.38
		40	-6.59	-28.78	3.78	-249.98	2.53	-324.21

STAAD SPACE

-- PAGE NO. 170

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
6	37		5.94	36.35	-3.78	254.58	2.96	388.76
	40		-5.94	-36.35	3.78	-254.58	2.70	-334.24
7	37		0.00	2.43	-0.94	97.19	0.59	95.72
	40		0.00	-2.43	0.94	-97.19	0.82	-92.07
8	37		0.00	2.43	-0.94	97.19	0.59	95.72
	40		0.00	-2.43	0.94	-97.19	0.82	-92.07
9	37		-0.16	1.05	0.11	0.50	-0.05	1.19
	40		0.16	-1.05	-0.11	-0.50	-0.11	0.39
10	37		-0.16	1.05	0.11	0.50	-0.05	1.19
	40		0.16	-1.05	-0.11	-0.50	-0.11	0.39
11	37		2.87	-3.36	-1.30	76.81	1.19	21.29
	40		-2.87	3.36	1.30	-76.81	0.77	-26.33
12	37		2.87	-3.36	-1.30	76.81	1.19	21.29
	40		-2.87	3.36	1.30	-76.81	0.77	-26.33
13	37		0.98	-30.61	-1.89	64.22	1.43	27.67
	40		-0.98	30.61	1.89	-64.22	1.41	-73.59
14	37		0.98	-30.61	-1.89	64.22	1.43	27.67
	40		-0.98	30.61	1.89	-64.22	1.41	-73.59
15	37		3.30	-52.40	-2.76	-12.05	2.34	-98.81
	40		-3.30	52.40	2.76	12.05	1.79	20.22
16	37		3.30	-52.40	-2.76	-12.05	2.34	-98.81
	40		-3.30	52.40	2.76	12.05	1.79	20.22
17	37		3.31	-52.41	-2.76	-12.00	2.34	-98.80
	40		-3.31	52.41	2.76	12.00	1.79	20.19
18	37		3.31	-52.41	-2.76	-12.00	2.34	-98.80
	40		-3.31	52.41	2.76	12.00	1.79	20.19
19	37		0.49	3.66	-1.30	109.05	0.71	114.04
	40		-0.49	-3.66	1.30	-109.05	1.24	-108.55
20	37		0.00	2.43	-0.94	97.19	0.59	95.72
	40		0.00	-2.43	0.94	-97.19	0.82	-92.07
21	37		3.31	-52.41	-2.76	-12.00	2.34	-98.80
	40		-3.31	52.41	2.76	12.00	1.79	20.19
52	1	39	81.84	107.07	-0.05	-56.76	0.37	-3.44
		5	-81.84	246.35	0.05	56.76	0.32	-1041.14
	2	39	28.06	-2.27	0.04	26.29	-0.01	10.09
		5	-28.06	2.27	-0.04	-26.29	-0.65	-44.10
	3	39	5.64	4.86	-0.03	-76.20	0.29	3.39
		5	-5.64	-4.86	0.03	76.20	0.23	69.44
	4	39	27.80	-5.10	-0.04	-72.08	0.17	-186.56
		5	-27.80	5.10	0.04	72.08	0.45	110.13
	5	39	48.57	-59.46	-0.03	65.50	0.26	-740.50
		5	-48.57	59.46	0.03	-65.50	0.20	-151.41
	6	39	36.82	-56.21	-0.04	85.06	0.24	-682.88
		5	-36.82	56.21	0.04	-85.06	0.38	-160.32

STAAD SPACE

-- PAGE NO. 171

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
7	39		-13.82	3.13	-0.06	-83.84	0.23	-26.74
	5		13.82	-3.13	0.06	83.84	0.73	73.74
8	39		-13.82	3.13	-0.06	-83.84	0.23	-26.74
	5		13.82	-3.13	0.06	83.84	0.73	73.74
9	39		0.06	0.11	0.00	0.85	-0.02	-4.25
	5		-0.06	-0.11	0.00	-0.85	-0.02	5.84
10	39		0.06	0.11	0.00	0.85	-0.02	-4.25
	5		-0.06	-0.11	0.00	-0.85	-0.02	5.84
11	39		28.74	-11.23	0.01	-21.21	0.07	-132.09
	5		-28.74	11.23	-0.01	21.21	-0.23	-36.43
12	39		28.74	-11.23	0.01	-21.21	0.07	-132.09
	5		-28.74	11.23	-0.01	21.21	-0.23	-36.43
13	39		-4.69	4.87	-0.09	-117.17	0.32	-72.95
	5		4.69	-4.87	0.09	117.17	0.96	146.07
14	39		-4.69	4.87	-0.09	-117.17	0.32	-72.95
	5		4.69	-4.87	0.09	117.17	0.96	146.07
15	39		22.80	-5.12	-0.05	-71.61	0.16	-203.46
	5		-22.80	5.12	0.05	71.61	0.58	126.58
16	39		22.80	-5.12	-0.05	-71.61	0.16	-203.46
	5		-22.80	5.12	0.05	71.61	0.58	126.58
17	39		23.36	-5.12	-0.05	-71.66	0.16	-203.53
	5		-23.36	5.12	0.05	71.66	0.57	126.77
18	39		23.36	-5.12	-0.05	-71.66	0.16	-203.53
	5		-23.36	5.12	0.05	71.66	0.57	126.77
19	39		-5.14	4.85	-0.05	-75.72	0.29	0.62
	5		5.14	-4.85	0.05	75.72	0.47	72.19
20	39		-13.82	3.13	-0.06	-83.84	0.23	-26.74
	5		13.82	-3.13	0.06	83.84	0.73	73.74
21	39		23.36	-5.12	-0.05	-71.66	0.16	-203.53
	5		-23.36	5.12	0.05	71.66	0.57	126.77
54	1	40	41.56	-240.74	-23.78	609.32	11.27	1424.70
		42	-41.56	276.08	23.78	-609.32	24.40	-1812.31
2	40		5.33	-104.05	-1.43	-12.07	0.40	239.60
		42	-5.33	104.05	1.43	12.07	1.75	-395.68
3	40		4.75	24.19	-4.26	112.91	1.71	172.35
		42	-4.75	-24.19	4.26	-112.91	4.68	-136.07
4	40		13.58	11.73	-7.21	197.41	4.44	23.50
		42	-13.58	-11.73	7.21	-197.41	6.37	-5.90
5	40		22.15	93.13	-9.49	494.34	5.78	779.81
		42	-22.15	-93.13	9.49	-494.34	8.45	-640.12
6	40		20.05	81.62	-9.71	438.01	5.56	740.47
		42	-20.05	-81.62	9.71	-438.01	9.01	-618.04
7	40		1.90	33.62	-3.13	118.22	1.45	168.33
		42	-1.90	-33.62	3.13	-118.22	3.25	-117.90

STAAD SPACE

-- PAGE NO. 172

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
8	40		1.90	33.62	-3.13	118.22	1.45	168.33
	42		-1.90	-33.62	3.13	-118.22	3.25	-117.90
9	40		-0.61	1.82	-0.32	0.53	-0.10	2.01
	42		0.61	-1.82	0.32	-0.53	0.58	0.72
10	40		-0.61	1.82	-0.32	0.53	-0.10	2.01
	42		0.61	-1.82	0.32	-0.53	0.58	0.72
11	40		9.45	52.15	-3.66	273.95	2.17	172.97
	42		-9.45	-52.15	3.66	-273.95	3.32	-94.75
12	40		9.45	52.15	-3.66	273.95	2.17	172.97
	42		-9.45	-52.15	3.66	-273.95	3.32	-94.75
13	40		6.30	18.50	-5.60	140.99	3.06	114.03
	42		-6.30	-18.50	5.60	-140.99	5.35	-86.28
14	40		6.30	18.50	-5.60	140.99	3.06	114.03
	42		-6.30	-18.50	5.60	-140.99	5.35	-86.28
15	40		13.18	17.87	-7.16	207.22	4.49	26.89
	42		-13.18	-17.87	7.16	-207.22	6.24	-0.08
16	40		13.18	17.87	-7.16	207.22	4.49	26.89
	42		-13.18	-17.87	7.16	-207.22	6.24	-0.08
17	40		13.22	17.89	-7.15	207.31	4.49	26.94
	42		-13.22	-17.89	7.15	-207.31	6.24	-0.10
18	40		13.22	17.89	-7.15	207.31	4.49	26.94
	42		-13.22	-17.89	7.15	-207.31	6.24	-0.10
19	40		3.07	25.53	-4.16	112.47	1.67	170.55
	42		-3.07	-25.53	4.16	-112.47	4.57	-132.26
20	40		1.90	33.62	-3.13	118.22	1.45	168.33
	42		-1.90	-33.62	3.13	-118.22	3.25	-117.90
21	40		13.22	17.89	-7.15	207.31	4.49	26.94
	42		-13.22	-17.89	7.15	-207.31	6.24	-0.10
56	1	42	103.94	-988.93	-188.23	2263.50	45.54	2082.60
	2		-103.94	1000.71	188.23	-2263.50	48.57	-2580.01
2	42		12.92	-117.04	1.89	12.57	1.45	410.31
	2		-12.92	117.04	-1.89	-12.57	-2.39	-468.82
3	42		8.75	-56.27	-16.48	315.05	6.25	167.86
	2		-8.75	56.27	16.48	-315.05	2.00	-195.99
4	42		34.02	-396.10	-67.58	1097.99	15.01	-71.34
	2		-34.02	396.10	67.58	-1097.99	18.78	-126.71
5	42		50.51	-417.98	-99.56	1949.00	20.43	999.37
	2		-50.51	417.98	99.56	-1949.00	29.35	-1208.36
6	42		48.08	-374.20	-86.36	1632.10	19.48	905.93
	2		-48.08	374.20	86.36	-1632.10	23.70	-1093.03
7	42		2.77	-82.44	-25.43	437.79	5.99	153.15
	2		-2.77	82.44	25.43	-437.79	6.72	-194.37
8	42		2.77	-82.44	-25.43	437.79	5.99	153.15
	2		-2.77	82.44	25.43	-437.79	6.72	-194.37

STAAD SPACE

-- PAGE NO. 173

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
9	42		0.27	0.05	-0.67	1.87	0.61	1.10
	2		-0.27	-0.05	0.67	-1.87	-0.27	-1.08
10	42		0.27	0.05	-0.67	1.87	0.61	1.10
	2		-0.27	-0.05	0.67	-1.87	-0.27	-1.08
11	42		20.69	-133.45	-41.20	838.28	8.05	235.30
	2		-20.69	133.45	41.20	-838.28	12.55	-302.02
12	42		20.69	-133.45	-41.20	838.28	8.05	235.30
	2		-20.69	133.45	41.20	-838.28	12.55	-302.02
13	42		13.21	-233.42	-52.40	834.76	11.53	32.89
	2		-13.21	233.42	52.40	-834.76	14.67	-149.60
14	42		13.21	-233.42	-52.40	834.76	11.53	32.89
	2		-13.21	233.42	52.40	-834.76	14.67	-149.60
15	42		32.83	-381.69	-72.39	1131.19	15.39	-71.62
	2		-32.83	381.69	72.39	-1131.19	20.80	-119.23
16	42		32.83	-381.69	-72.39	1131.19	15.39	-71.62
	2		-32.83	381.69	72.39	-1131.19	20.80	-119.23
17	42		32.85	-377.35	-72.32	1131.48	15.37	-71.62
	2		-32.85	377.35	72.32	-1131.48	20.79	-117.06
18	42		32.85	-377.35	-72.32	1131.48	15.37	-71.62
	2		-32.85	377.35	72.32	-1131.48	20.79	-117.06
19	42		5.16	-54.62	-18.72	317.52	6.33	161.40
	2		-5.16	54.62	18.72	-317.52	3.03	-188.71
20	42		2.77	-82.44	-25.43	437.79	5.99	153.15
	2		-2.77	82.44	25.43	-437.79	6.72	-194.37
21	42		32.85	-377.35	-72.32	1131.48	15.37	-71.62
	2		-32.85	377.35	72.32	-1131.48	20.79	-117.06
58	1	44	-39.52	27.48	-3.22	-186.18	9.96	772.36
		46	39.52	7.86	3.22	186.18	-5.13	-757.64
2	44		-10.06	21.89	-1.00	2.94	1.53	110.54
		46	10.06	-21.89	1.00	-2.94	-0.04	-77.71
3	44		-3.31	3.61	-1.26	1.75	2.23	72.42
		46	3.31	-3.61	1.26	-1.75	-0.34	-67.01
4	44		-1.60	-365.57	0.58	-320.04	0.39	-277.69
		46	1.60	365.57	-0.58	320.04	-1.26	-270.66
5	44		-0.26	285.81	2.73	50.48	-1.14	488.22
		46	0.26	-285.81	-2.73	-50.48	-2.96	-59.50
6	44		-15.35	-17.05	0.87	-109.25	1.00	320.19
		46	15.35	17.05	-0.87	109.25	-2.30	-345.77
7	44		2.16	93.24	0.23	26.99	0.48	168.58
		46	-2.16	-93.24	-0.23	-26.99	-0.83	-28.72
8	44		2.16	93.24	0.23	26.99	0.48	168.58
		46	-2.16	-93.24	-0.23	-26.99	-0.83	-28.72
9	44		0.63	-0.14	-0.26	-0.62	0.38	0.02
		46	-0.63	0.14	0.26	0.62	0.02	-0.23

STAAD SPACE

-- PAGE NO. 174

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
10	44		0.63	-0.14	-0.26	-0.62	0.38	0.02
	46		-0.63	0.14	0.26	0.62	0.02	-0.23
11	44		5.87	103.35	0.95	35.06	-0.08	98.70
	46		-5.87	-103.35	-0.95	-35.06	-1.35	56.33
12	44		5.87	103.35	0.95	35.06	-0.08	98.70
	46		-5.87	-103.35	-0.95	-35.06	-1.35	56.33
13	44		7.64	-3.29	0.71	-84.07	0.27	57.18
	46		-7.64	3.29	-0.71	84.07	-1.34	-62.12
14	44		7.64	-3.29	0.71	-84.07	0.27	57.18
	46		-7.64	3.29	-0.71	84.07	-1.34	-62.12
15	44		-0.32	-349.56	0.51	-322.03	0.66	-244.99
	46		0.32	349.56	-0.51	322.03	-1.42	-279.35
16	44		-0.32	-349.56	0.51	-322.03	0.66	-244.99
	46		0.32	349.56	-0.51	322.03	-1.42	-279.35
17	44		0.06	-346.87	0.50	-321.84	0.66	-242.81
	46		-0.06	346.87	-0.50	321.84	-1.41	-277.49
18	44		0.06	-346.87	0.50	-321.84	0.66	-242.81
	46		-0.06	346.87	-0.50	321.84	-1.41	-277.49
19	44		-2.12	33.02	-1.31	3.56	2.32	115.40
	46		2.12	-33.02	1.31	-3.56	-0.36	-65.87
20	44		2.16	93.24	0.23	26.99	0.48	168.58
	46		-2.16	-93.24	-0.23	-26.99	-0.83	-28.72
21	44		0.06	-346.87	0.50	-321.84	0.66	-242.81
	46		-0.06	346.87	-0.50	321.84	-1.41	-277.49
60	1	46	-39.52	7.86	3.22	186.18	5.13	757.64
		48	39.52	27.48	-3.22	-186.18	-9.96	-772.36
	2	46	-5.71	18.62	0.94	3.54	0.15	98.54
		48	5.71	-18.62	-0.94	-3.54	-1.56	-70.61
	3	46	-3.42	17.58	1.36	12.87	0.27	74.82
		48	3.42	-17.58	-1.36	-12.87	-2.31	-48.45
	4	46	0.86	-297.50	-2.90	-54.37	2.85	37.50
		48	-0.86	297.50	2.90	54.37	1.50	-483.75
	5	46	-1.49	363.19	-0.48	323.95	1.43	293.77
		48	1.49	-363.19	0.48	-323.95	-0.71	251.02
	6	46	-15.13	49.55	-0.87	114.88	2.31	350.18
		48	15.13	-49.55	0.87	-114.88	-1.00	-275.85
	7	46	-1.66	122.88	0.83	66.53	0.04	51.72
		48	1.66	-122.88	-0.83	-66.53	-1.29	132.59
	8	46	-1.66	122.88	0.83	66.53	0.04	51.72
		48	1.66	-122.88	-0.83	-66.53	-1.29	132.59
	9	46	0.66	-1.13	0.25	-0.74	-0.01	0.03
		48	-0.66	1.13	-0.25	0.74	-0.37	-1.73
	10	46	0.66	-1.13	0.25	-0.74	-0.01	0.03
		48	-0.66	1.13	-0.25	0.74	-0.37	-1.73

STAAD SPACE

-- PAGE NO. 175

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
11	46		5.48	151.13	0.66	205.96	0.27	70.57
	48		-5.48	-151.13	-0.66	-205.96	-1.26	156.13
12	46		5.48	151.13	0.66	205.96	0.27	70.57
	48		-5.48	-151.13	-0.66	-205.96	-1.26	156.13
13	46		4.28	62.19	-0.28	79.59	0.98	14.22
	48		-4.28	-62.19	0.28	-79.59	-0.55	79.06
14	46		4.28	62.19	-0.28	79.59	0.98	14.22
	48		-4.28	-62.19	0.28	-79.59	-0.55	79.06
15	46		0.93	-271.19	-2.74	-47.19	2.93	48.93
	48		-0.93	271.19	2.74	47.19	1.18	-455.71
16	46		0.93	-271.19	-2.74	-47.19	2.93	48.93
	48		-0.93	271.19	2.74	47.19	1.18	-455.71
17	46		1.39	-264.80	-2.75	-47.15	2.94	47.50
	48		-1.39	264.80	2.75	47.15	1.19	-444.70
18	46		1.39	-264.80	-2.75	-47.15	2.94	47.50
	48		-1.39	264.80	2.75	47.15	1.19	-444.70
19	46		-4.12	46.58	1.39	16.38	0.30	75.61
	48		4.12	-46.58	-1.39	-16.38	-2.39	-5.73
20	46		-1.66	122.88	0.83	66.53	0.04	51.72
	48		1.66	-122.88	-0.83	-66.53	-1.29	132.59
21	46		1.39	-264.80	-2.75	-47.15	2.94	47.50
	48		-1.39	264.80	2.75	47.15	1.19	-444.70
62	1	48	-25.04	-230.39	-68.82	1052.91	20.41	832.74
		3	25.04	253.95	68.82	-1052.91	48.41	-1074.91
2	48		-2.34	23.78	-0.34	-11.28	-1.08	98.35
		3	2.34	-23.78	0.34	11.28	1.42	-74.58
3	48		-2.83	12.92	-1.37	58.51	-0.40	78.23
		3	2.83	-12.92	1.37	-58.51	1.77	-65.31
4	48		18.01	-449.10	-45.04	834.28	17.27	348.17
		3	-18.01	449.10	45.04	-834.28	27.78	-797.27
5	48		9.05	238.39	-32.37	940.45	11.98	70.97
		3	-9.05	-238.39	32.37	-940.45	20.39	167.42
6	48		-4.39	-99.23	-37.05	767.17	13.54	287.79
		3	4.39	99.23	37.05	-767.17	23.51	-387.01
7	48		-4.94	121.73	-3.13	171.11	0.91	-75.93
		3	4.94	-121.73	3.13	-171.11	2.23	197.66
8	48		-4.94	121.73	-3.13	171.11	0.91	-75.93
		3	4.94	-121.73	3.13	-171.11	2.23	197.66
9	48		0.24	-1.24	0.55	-0.44	-0.36	0.75
		3	-0.24	1.24	-0.55	0.44	-0.19	-1.99
10	48		0.24	-1.24	0.55	-0.44	-0.36	0.75
		3	-0.24	1.24	-0.55	0.44	-0.19	-1.99
11	48		9.92	133.62	-9.86	443.37	2.84	61.33
		3	-9.92	-133.62	9.86	-443.37	7.01	72.29

STAAD SPACE

-- PAGE NO. 176

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
12	48		9.92	133.62	-9.86	443.37	2.84	61.33
	3		-9.92	-133.62	9.86	-443.37	7.01	72.29
13	48		7.65	4.28	-20.09	521.85	7.42	-39.01
	3		-7.65	-4.28	20.09	-521.85	12.67	43.29
14	48		7.65	4.28	-20.09	521.85	7.42	-39.01
	3		-7.65	-4.28	20.09	-521.85	12.67	43.29
15	48		16.79	-424.27	-46.52	857.54	17.57	320.68
	3		-16.79	424.27	46.52	-857.54	28.95	-744.94
16	48		16.79	-424.27	-46.52	857.54	17.57	320.68
	3		-16.79	424.27	46.52	-857.54	28.95	-744.94
17	48		17.43	-417.78	-46.58	856.85	17.59	310.67
	3		-17.43	417.78	46.58	-856.85	28.99	-728.45
18	48		17.43	-417.78	-46.58	856.85	17.59	310.67
	3		-17.43	417.78	46.58	-856.85	28.99	-728.45
19	48		-5.68	44.52	-0.93	62.24	-0.44	35.89
	3		5.68	-44.52	0.93	-62.24	1.37	8.64
20	48		-4.94	121.73	-3.13	171.11	0.91	-75.93
	3		4.94	-121.73	3.13	-171.11	2.23	197.66
21	48		17.43	-417.78	-46.58	856.85	17.59	310.67
	3		-17.43	417.78	46.58	-856.85	28.99	-728.45
64	1	50	41.56	276.08	23.78	-609.31	-24.40	1812.31
		52	-41.56	-240.74	-23.78	609.31	-11.27	-1424.70
2	50		-2.74	9.58	1.21	-5.28	-1.64	34.78
	52		2.74	-9.58	-1.21	5.28	-0.18	-20.40
3	50		4.50	-17.09	4.17	-96.14	-4.59	121.46
	52		-4.50	17.09	-4.17	96.14	-1.66	-147.09
4	50		20.01	-100.31	9.45	-480.51	-8.51	591.92
	52		-20.01	100.31	-9.45	480.51	-5.66	-742.38
5	50		13.23	-17.64	7.19	-206.85	-6.30	0.56
	52		-13.23	17.64	-7.19	206.85	-4.50	-27.01
6	50		19.45	-103.38	9.70	-436.79	-9.02	545.20
	52		-19.45	103.38	-9.70	436.79	-5.53	-700.27
7	50		6.60	-0.37	2.34	-53.38	-2.23	9.09
	52		-6.60	0.37	-2.34	53.38	-1.28	-9.65
8	50		6.60	-0.37	2.34	-53.38	-2.23	9.09
	52		-6.60	0.37	-2.34	53.38	-1.28	-9.65
9	50		-0.63	-2.33	0.33	-1.92	-0.59	-0.25
	52		0.63	2.33	-0.33	1.92	0.10	-3.24
10	50		-0.63	-2.33	0.33	-1.92	-0.59	-0.25
	52		0.63	2.33	-0.33	1.92	0.10	-3.24
11	50		2.21	71.42	2.11	60.43	-1.99	-40.46
	52		-2.21	-71.42	-2.11	-60.43	-1.17	147.59
12	50		2.21	71.42	2.11	60.43	-1.99	-40.46
	52		-2.21	-71.42	-2.11	-60.43	-1.17	147.59

STAAD SPACE

-- PAGE NO. 177

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
13	50		13.49	-48.27	5.46	-229.49	-4.91	37.10
	52		-13.49	48.27	-5.46	229.49	-3.27	-109.51
14	50		13.49	-48.27	5.46	-229.49	-4.91	37.10
	52		-13.49	48.27	-5.46	229.49	-3.27	-109.51
15	50		21.92	-105.40	9.43	-492.01	-8.39	588.77
	52		-21.92	105.40	-9.43	492.01	-5.75	-746.87
16	50		21.92	-105.40	9.43	-492.01	-8.39	588.77
	52		-21.92	105.40	-9.43	492.01	-5.75	-746.87
17	50		21.81	-116.07	9.43	-494.86	-8.40	565.73
	52		-21.81	116.07	-9.43	494.86	-5.75	-739.83
18	50		21.81	-116.07	9.43	-494.86	-8.40	565.73
	52		-21.81	116.07	-9.43	494.86	-5.75	-739.83
19	50		6.42	-18.38	4.25	-101.47	-4.68	123.24
	52		-6.42	18.38	-4.25	101.47	-1.69	-150.81
20	50		6.60	-0.37	2.34	-53.38	-2.23	9.09
	52		-6.60	0.37	-2.34	53.38	-1.28	-9.65
21	50		21.81	-116.07	9.43	-494.86	-8.40	565.73
	52		-21.81	116.07	-9.43	494.86	-5.75	-739.83
66	1	52	11.96	275.59	7.07	-287.27	-4.99	1038.76
		54	-11.96	-240.25	-7.07	287.27	-5.61	-651.88
2	52		-1.13	14.18	0.14	-24.31	-0.25	36.82
	54		1.13	-14.18	-0.14	24.31	0.04	-15.55
3	52		1.03	2.74	1.31	-97.96	-1.25	102.81
	54		-1.03	-2.74	-1.31	97.96	-0.72	-98.70
4	52		5.78	-28.14	3.77	-244.37	-2.61	303.91
	54		-5.78	28.14	-3.77	244.37	-3.04	-346.12
5	52		3.34	52.32	2.77	11.81	-1.81	-19.76
	54		-3.34	-52.32	-2.77	-11.81	-2.35	98.24
6	52		5.70	-47.05	3.75	-255.60	-2.69	302.27
	54		-5.70	47.05	-3.75	255.60	-2.93	-372.85
7	52		2.12	11.27	0.92	-4.24	-0.66	2.40
	54		-2.12	-11.27	-0.92	4.24	-0.72	14.51
8	52		2.12	11.27	0.92	-4.24	-0.66	2.40
	54		-2.12	-11.27	-0.92	4.24	-0.72	14.51
9	52		-0.17	-1.30	-0.11	-1.27	0.11	0.00
	54		0.17	1.30	0.11	1.27	0.05	-1.95
10	52		-0.17	-1.30	-0.11	-1.27	0.11	0.00
	54		0.17	1.30	0.11	1.27	0.05	-1.95
11	52		0.07	74.01	0.43	77.74	-0.15	-15.65
	54		-0.07	-74.01	-0.43	-77.74	-0.49	126.66
12	52		0.07	74.01	0.43	77.74	-0.15	-15.65
	54		-0.07	-74.01	-0.43	-77.74	-0.49	126.66
13	52		4.03	18.38	2.17	-32.56	-1.46	-3.64
	54		-4.03	-18.38	-2.17	32.56	-1.79	31.21

STAAD SPACE

-- PAGE NO. 178

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
14	52		4.03	18.38	2.17	-32.56	-1.46	-3.64
		54	-4.03	-18.38	-2.17	32.56	-1.79	31.21
15	52		6.49	-34.55	3.75	-248.57	-2.50	299.16
		54	-6.49	34.55	-3.75	248.57	-3.12	-350.99
16	52		6.49	-34.55	3.75	-248.57	-2.50	299.16
		54	-6.49	34.55	-3.75	248.57	-3.12	-350.99
17	52		6.43	-40.10	3.74	-251.76	-2.50	291.24
		54	-6.43	40.10	-3.74	251.76	-3.11	-351.39
18	52		6.43	-40.10	3.74	-251.76	-2.50	291.24
		54	-6.43	40.10	-3.74	251.76	-3.11	-351.39
19	52		1.77	0.95	1.31	-100.94	-1.21	103.52
		54	-1.77	-0.95	-1.31	100.94	-0.76	-102.09
20	52		2.12	11.27	0.92	-4.24	-0.66	2.40
		54	-2.12	-11.27	-0.92	4.24	-0.72	14.51
21	52		6.43	-40.10	3.74	-251.76	-2.50	291.24
		54	-6.43	40.10	-3.74	251.76	-3.11	-351.39
68	1	54	-1.40	279.70	1.64	-109.34	-0.38	544.38
		4	1.40	-244.36	-1.64	109.34	-2.08	-151.34
2	54		0.53	13.03	0.14	-25.59	-0.17	36.86
		4	-0.53	-13.03	-0.14	25.59	-0.04	-17.31
3	54		-0.07	14.25	0.39	-59.51	-0.33	87.90
		4	0.07	-14.25	-0.39	59.51	-0.25	-66.52
4	54		-0.74	52.72	1.01	-59.17	-0.45	150.77
		4	0.74	-52.72	-1.01	59.17	-1.06	-71.69
5	54		-0.64	78.73	0.67	77.80	-0.27	-20.06
		4	0.64	-78.73	-0.67	-77.80	-0.73	138.16
6	54		-0.48	29.26	1.08	-84.84	-0.53	167.06
		4	0.48	-29.26	-1.08	84.84	-1.09	-123.17
7	54		-0.46	16.24	0.18	11.10	-0.07	1.43
		4	0.46	-16.24	-0.18	-11.10	-0.20	22.93
8	54		-0.46	16.24	0.18	11.10	-0.07	1.43
		4	0.46	-16.24	-0.18	-11.10	-0.20	22.93
9	54		-0.04	0.00	-0.06	-0.24	0.06	0.55
		4	0.04	0.00	0.06	0.24	0.02	-0.55
10	54		-0.04	0.00	-0.06	-0.24	0.06	0.55
		4	0.04	0.00	0.06	0.24	0.02	-0.55
11	54		-0.34	55.64	-0.05	40.30	0.16	-5.45
		4	0.34	-55.64	0.05	-40.30	-0.09	88.90
12	54		-0.34	55.64	-0.05	40.30	0.16	-5.45
		4	0.34	-55.64	0.05	-40.30	-0.09	88.90
13	54		-0.85	50.99	0.47	40.55	-0.16	-13.15
		4	0.85	-50.99	-0.47	-40.55	-0.54	89.65
14	54		-0.85	50.99	0.47	40.55	-0.16	-13.15
		4	0.85	-50.99	-0.47	-40.55	-0.54	89.65

STAAD SPACE

-- PAGE NO. 179

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
15	54		-0.87	46.53	0.97	-61.92	-0.33	146.01
	4		0.87	-46.53	-0.97	61.92	-1.12	-76.21
16	54		-0.87	46.53	0.97	-61.92	-0.33	146.01
	4		0.87	-46.53	-0.97	61.92	-1.12	-76.21
17	54		-0.87	44.70	0.96	-63.96	-0.33	145.97
	4		0.87	-44.70	-0.96	63.96	-1.12	-78.92
18	54		-0.87	44.70	0.96	-63.96	-0.33	145.97
	4		0.87	-44.70	-0.96	63.96	-1.12	-78.92
19	54		-0.26	12.62	0.35	-61.35	-0.23	88.20
	4		0.26	-12.62	-0.35	61.35	-0.29	-69.27
20	54		-0.46	16.24	0.18	11.10	-0.07	1.43
	4		0.46	-16.24	-0.18	-11.10	-0.20	22.93
21	54		-0.87	44.70	0.96	-63.96	-0.33	145.97
	4		0.87	-44.70	-0.96	63.96	-1.12	-78.92
70	1	56	81.84	107.07	0.05	56.76	-0.37	-3.44
		8	-81.84	246.35	-0.05	-56.76	-0.32	-1041.14
	2	56	-26.89	6.02	0.05	68.05	-0.08	80.36
		8	26.89	-6.02	-0.05	-68.05	-0.66	9.97
	3	56	5.40	5.88	0.03	78.48	-0.28	19.21
		8	-5.40	-5.88	-0.03	-78.48	-0.22	68.92
	4	56	38.40	-57.57	0.05	-54.18	-0.29	-708.84
		8	-38.40	57.57	-0.05	54.18	-0.42	-154.69
	5	56	22.32	-5.11	0.05	71.16	-0.15	-202.99
		8	-22.32	5.11	-0.05	-71.16	-0.59	126.33
	6	56	33.11	-53.92	0.05	-71.50	-0.25	-665.08
		8	-33.11	53.92	-0.05	71.50	-0.47	-143.64
	7	56	29.27	-0.66	-0.03	13.88	-0.05	-24.29
		8	-29.27	0.66	0.03	-13.88	0.48	14.35
	8	56	29.27	-0.66	-0.03	13.88	-0.05	-24.29
		8	-29.27	0.66	0.03	-13.88	0.48	14.35
	9	56	-0.15	0.14	0.00	-1.78	0.02	-5.56
		8	0.15	-0.14	0.00	1.78	0.01	7.64
	10	56	-0.15	0.14	0.00	-1.78	0.02	-5.56
		8	0.15	-0.14	0.00	1.78	0.01	7.64
	11	56	1.33	-1.20	0.02	121.93	-0.04	129.26
		8	-1.33	1.20	-0.02	-121.93	-0.30	-147.25
	12	56	1.33	-1.20	0.02	121.93	-0.04	129.26
		8	-1.33	1.20	-0.02	-121.93	-0.30	-147.25
	13	56	45.51	-7.68	-0.01	51.27	-0.16	-178.20
		8	-45.51	7.68	0.01	-51.27	0.37	62.96
	14	56	45.51	-7.68	-0.01	51.27	-0.16	-178.20
		8	-45.51	7.68	0.01	-51.27	0.37	62.96
	15	56	48.09	-57.43	0.03	-53.65	-0.27	-724.93
		8	-48.09	57.43	-0.03	53.65	-0.21	-136.56

STAAD SPACE

-- PAGE NO. 180

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
16	56		48.09	-57.43	0.03	-53.65	-0.27	-724.93
	8		-48.09	57.43	-0.03	53.65	-0.21	-136.56
17	56		47.55	-57.22	0.03	-51.54	-0.27	-724.25
	8		-47.55	57.22	-0.03	51.54	-0.23	-134.11
18	56		47.55	-57.22	0.03	-51.54	-0.27	-724.25
	8		-47.55	57.22	-0.03	51.54	-0.23	-134.11
19	56		17.26	5.93	0.02	78.83	-0.28	14.70
	8		-17.26	-5.93	-0.02	-78.83	0.03	74.32
20	56		29.27	-0.66	-0.03	13.88	-0.05	-24.29
	8		-29.27	0.66	0.03	-13.88	0.48	14.35
21	56		47.55	-57.22	0.03	-51.54	-0.27	-724.25
	8		-47.55	57.22	-0.03	51.54	-0.23	-134.11
72	1	57	-7.86	-597.66	3.73	-31.39	-2.08	745.49
		58	7.86	633.01	-3.73	31.39	-3.51	-1668.49
2		57	-3.21	-24.92	-0.29	-18.46	0.31	2.54
		58	3.21	24.92	0.29	18.46	0.12	-39.92
3		57	3.27	-162.60	0.31	-17.41	-0.19	141.94
		58	-3.27	162.60	-0.31	17.41	-0.27	-385.84
4		57	-3.65	19.14	3.24	28.56	-2.22	-31.54
		58	3.65	-19.14	-3.24	-28.56	-2.63	60.25
5		57	-4.60	-169.50	4.13	-192.56	-2.59	133.14
		58	4.60	169.50	-4.13	192.56	-3.60	-387.38
6		57	-2.94	-127.88	3.97	-184.19	-2.56	188.89
		58	2.94	127.88	-3.97	184.19	-3.39	-380.71
7		57	5.34	-193.62	0.66	-11.87	-0.43	122.79
		58	-5.34	193.62	-0.66	11.87	-0.55	-413.23
8		57	5.34	-193.62	0.66	-11.87	-0.43	122.79
		58	-5.34	193.62	-0.66	11.87	-0.55	-413.23
9		57	-0.70	-8.09	0.02	-2.46	-0.06	-6.89
		58	0.70	8.09	-0.02	2.46	0.03	-5.24
10		57	-0.70	-8.09	0.02	-2.46	-0.06	-6.89
		58	0.70	8.09	-0.02	2.46	0.03	-5.24
11		57	-4.12	-29.52	1.01	-78.53	-0.54	-33.50
		58	4.12	29.52	-1.01	78.53	-0.97	-10.79
12		57	-4.12	-29.52	1.01	-78.53	-0.54	-33.50
		58	4.12	29.52	-1.01	78.53	-0.97	-10.79
13		57	4.23	-165.67	1.89	23.43	-1.28	105.82
		58	-4.23	165.67	-1.89	-23.43	-1.55	-354.33
14		57	4.23	-165.67	1.89	23.43	-1.28	105.82
		58	-4.23	165.67	-1.89	-23.43	-1.55	-354.33
15		57	-3.32	16.05	3.39	29.57	-2.31	-33.64
		58	3.32	-16.05	-3.39	-29.57	-2.77	57.72
16		57	-3.32	16.05	3.39	29.57	-2.31	-33.64
		58	3.32	-16.05	-3.39	-29.57	-2.77	57.72

STAAD SPACE

-- PAGE NO. 181

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
17	57		-3.41	16.15	3.38	29.57	-2.31	-33.71
	58		3.41	-16.15	-3.38	-29.57	-2.77	57.93
18	57		-3.41	16.15	3.38	29.57	-2.31	-33.71
	58		3.41	-16.15	-3.38	-29.57	-2.77	57.93
19	57		4.20	-164.10	0.47	-16.89	-0.35	141.19
	58		-4.20	164.10	-0.47	16.89	-0.36	-387.34
20	57		5.34	-193.62	0.66	-11.87	-0.43	122.79
	58		-5.34	193.62	-0.66	11.87	-0.55	-413.23
21	57		-3.41	16.15	3.38	29.57	-2.31	-33.71
	58		3.41	-16.15	-3.38	-29.57	-2.77	57.93
74	1	58	8.57	-874.37	1.06	-43.34	-3.10	2062.79
		59	-8.57	909.71	-1.06	43.34	1.51	-3400.85
	2	58	-1.28	-31.61	-0.72	1.65	0.38	-3.46
		59	1.28	31.61	0.72	-1.65	0.70	-43.96
	3	58	9.81	-458.95	0.07	-22.09	-0.30	601.62
		59	-9.81	458.95	-0.07	22.09	0.20	-1290.04
	4	58	-1.83	57.35	5.42	-100.53	-3.98	76.41
		59	1.83	-57.35	-5.42	100.53	-4.15	9.62
	5	58	0.30	-237.62	7.30	-304.26	-4.90	488.39
		59	-0.30	237.62	-7.30	304.26	-6.05	-844.82
	6	58	2.12	-164.59	6.61	-265.15	-4.67	529.56
		59	-2.12	164.59	-6.61	265.15	-5.25	-776.45
	7	58	10.55	-509.35	0.81	-24.05	-0.69	604.06
		59	-10.55	509.35	-0.81	24.05	-0.53	-1368.08
	8	58	10.55	-509.35	0.81	-24.05	-0.69	604.06
		59	-10.55	509.35	-0.81	24.05	-0.53	-1368.08
	9	58	-1.43	-3.23	-0.85	-6.16	0.10	-6.89
		59	1.43	3.23	0.85	6.16	1.18	2.04
	10	58	-1.43	-3.23	-0.85	-6.16	0.10	-6.89
		59	1.43	3.23	0.85	6.16	1.18	2.04
	11	58	-2.84	-28.54	1.41	-155.27	-1.03	75.01
		59	2.84	28.54	-1.41	155.27	-1.09	-117.82
	12	58	-2.84	-28.54	1.41	-155.27	-1.03	75.01
		59	2.84	28.54	-1.41	155.27	-1.09	-117.82
	13	58	10.02	-462.54	2.88	-23.54	-2.19	593.24
		59	-10.02	462.54	-2.88	23.54	-2.12	-1287.05
	14	58	10.02	-462.54	2.88	-23.54	-2.19	593.24
		59	-10.02	462.54	-2.88	23.54	-2.12	-1287.05
	15	58	-1.97	53.59	5.52	-93.95	-4.03	74.66
		59	1.97	-53.59	-5.52	93.95	-4.25	5.72
	16	58	-1.97	53.59	5.52	-93.95	-4.03	74.66
		59	1.97	-53.59	-5.52	93.95	-4.25	5.72
	17	58	-2.10	53.70	5.51	-94.05	-4.03	74.48
		59	2.10	-53.70	-5.51	94.05	-4.24	6.07

STAAD SPACE

-- PAGE NO. 182

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
18	58		-2.10	53.70	5.51	-94.05	-4.03	74.48
			2.10	-53.70	-5.51	94.05	-4.24	6.07
	59		9.73	-461.38	0.06	-19.82	-0.42	600.95
			-9.73	461.38	-0.06	19.82	0.33	-1293.03
	20		10.55	-509.35	0.81	-24.05	-0.69	604.06
			-10.55	509.35	-0.81	24.05	-0.53	-1368.08
21	58		-2.10	53.70	5.51	-94.05	-4.03	74.48
	59		2.10	-53.70	-5.51	94.05	-4.24	6.07
76	1	59	126.56	-2198.01	5.82	-300.74	-1.49	3676.76
		6	-126.56	2209.79	-5.82	300.74	-1.41	-4778.71
2	59		5.23	-6.56	0.88	74.57	0.43	22.85
		6	-5.23	6.56	-0.88	-74.57	-0.87	-26.13
3	59		43.97	-812.42	2.69	-70.08	-0.42	1504.71
		6	-43.97	812.42	-2.69	70.08	-0.92	-1910.92
4	59		14.24	-131.11	57.12	-1114.19	-15.45	119.95
		6	-14.24	131.11	-57.12	1114.19	-13.11	-185.51
5	59		26.70	-715.11	76.46	-1674.20	-21.19	837.76
		6	-26.70	715.11	-76.46	1674.20	-17.04	-1195.32
6	59		32.49	-516.49	62.80	-1427.23	-17.66	879.25
		6	-32.49	516.49	-62.80	1427.23	-13.74	-1137.50
7	59		37.35	-946.32	5.73	-165.33	-1.75	1497.74
		6	-37.35	946.32	-5.73	165.33	-1.11	-1970.91
8	59		37.35	-946.32	5.73	-165.33	-1.75	1497.74
		6	-37.35	946.32	-5.73	165.33	-1.11	-1970.91
9	59		0.39	-0.79	-0.47	-15.41	1.07	-11.52
		6	-0.39	0.79	0.47	15.41	-0.83	11.12
10	59		0.39	-0.79	-0.47	-15.41	1.07	-11.52
		6	-0.39	0.79	0.47	15.41	-0.83	11.12
11	59		9.47	-186.22	15.23	-431.09	-4.26	158.04
		6	-9.47	186.22	-15.23	431.09	-3.36	-251.15
12	59		9.47	-186.22	15.23	-431.09	-4.26	158.04
		6	-9.47	186.22	-15.23	431.09	-3.36	-251.15
13	59		42.69	-954.03	28.33	-597.13	-7.85	1464.18
		6	-42.69	954.03	-28.33	597.13	-6.31	-1941.19
14	59		42.69	-954.03	28.33	-597.13	-7.85	1464.18
		6	-42.69	954.03	-28.33	597.13	-6.31	-1941.19
15	59		14.85	-147.04	50.23	-1084.02	-14.27	118.49
		6	-14.85	147.04	-50.23	1084.02	-10.85	-192.01
16	59		14.85	-147.04	50.23	-1084.02	-14.27	118.49
		6	-14.85	147.04	-50.23	1084.02	-10.85	-192.01
17	59		14.65	-151.24	50.28	-1084.61	-14.27	117.85
		6	-14.65	151.24	-50.28	1084.61	-10.87	-193.47
18	59		14.65	-151.24	50.28	-1084.61	-14.27	117.85
		6	-14.65	151.24	-50.28	1084.61	-10.87	-193.47

STAAD SPACE

-- PAGE NO. 183

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
19	59		43.91	-816.40	-2.11	-59.50	0.61	1502.68
	6		-43.91	816.40	2.11	59.50	0.45	-1910.87
20	59		37.35	-946.32	5.73	-165.33	-1.75	1497.74
	6		-37.35	946.32	-5.73	165.33	-1.11	-1970.91
21	59		14.65	-151.24	50.28	-1084.61	-14.27	117.85
	6		-14.65	151.24	-50.28	1084.61	-10.87	-193.47
78	1	60	-96.24	103.76	-6.55	-12.01	9.58	1509.26
		61	96.24	-68.42	6.55	12.01	0.25	-1380.13
	2	60	-10.35	-170.91	-0.60	-37.09	0.70	-50.72
		61	10.35	170.91	0.60	37.09	0.20	-205.64
	3	60	-37.91	37.85	-0.40	-7.20	0.52	674.03
		61	37.91	-37.85	0.40	7.20	0.09	-617.25
	4	60	-16.90	-87.88	-0.38	192.80	0.72	-13.62
		61	16.90	87.88	0.38	-192.80	-0.15	-118.21
	5	60	-18.23	87.09	-3.28	-56.72	3.11	348.24
		61	18.23	-87.09	3.28	56.72	1.81	-217.61
	6	60	-27.84	-22.24	-1.77	48.30	1.94	358.76
		61	27.84	22.24	1.77	-48.30	0.72	-392.12
	7	60	-18.95	373.75	-0.56	1.39	0.69	695.16
		61	18.95	-373.75	0.56	-1.39	0.15	-134.53
	8	60	-18.95	373.75	-0.56	1.39	0.69	695.16
		61	18.95	-373.75	0.56	-1.39	0.15	-134.53
	9	60	2.20	3.05	-0.64	-1.27	0.90	-0.92
		61	-2.20	-3.05	0.64	1.27	0.07	5.49
	10	60	2.20	3.05	-0.64	-1.27	0.90	-0.92
		61	-2.20	-3.05	0.64	1.27	0.07	5.49
	11	60	-10.50	-55.64	-2.37	-148.48	2.48	30.28
		61	10.50	55.64	2.37	148.48	1.09	-113.75
	12	60	-10.50	-55.64	-2.37	-148.48	2.48	30.28
		61	10.50	55.64	2.37	148.48	1.09	-113.75
	13	60	-24.04	270.16	-0.90	71.44	1.20	664.77
		61	24.04	-270.16	0.90	-71.44	0.16	-259.53
	14	60	-24.04	270.16	-0.90	71.44	1.20	664.77
		61	24.04	-270.16	0.90	-71.44	0.16	-259.53
	15	60	-16.95	-85.66	-0.50	189.07	1.10	-17.47
		61	16.95	85.66	0.50	-189.07	-0.34	-111.02
	16	60	-16.95	-85.66	-0.50	189.07	1.10	-17.47
		61	16.95	85.66	0.50	-189.07	-0.34	-111.02
	17	60	-17.11	-86.78	-0.51	189.06	1.10	-17.95
		61	17.11	86.78	0.51	-189.06	-0.34	-112.21
	18	60	-17.11	-86.78	-0.51	189.06	1.10	-17.95
		61	17.11	86.78	0.51	-189.06	-0.34	-112.21
	19	60	-37.47	42.38	-0.38	-7.40	0.65	682.82
		61	37.47	-42.38	0.38	7.40	-0.08	-619.25

STAAD SPACE

-- PAGE NO. 184

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	20	60	-18.95	373.75	-0.56	1.39	0.69	695.16
		61	18.95	-373.75	0.56	-1.39	0.15	-134.53
	21	60	-17.11	-86.78	-0.51	189.06	1.10	-17.95
		61	17.11	86.78	0.51	-189.06	-0.34	-112.21
80	1	61	-96.24	-68.42	6.55	12.01	-0.25	1380.13
		62	96.24	103.76	-6.55	-12.01	-9.58	-1509.26
	2	61	-10.69	-200.91	0.25	-13.57	0.33	169.54
		62	10.69	200.91	-0.25	13.57	-0.70	-470.90
	3	61	-37.85	-26.18	0.27	-6.15	0.01	614.72
		62	37.85	26.18	-0.27	6.15	-0.42	-653.99
	4	61	-17.94	-84.83	2.97	51.79	-1.76	223.47
		62	17.94	84.83	-2.97	-51.79	-2.70	-350.71
	5	61	-16.91	84.91	0.47	-189.81	0.35	109.33
		62	16.91	-84.91	-0.47	189.81	-1.06	18.03
	6	61	-27.94	14.29	1.71	-52.22	-0.67	387.41
		62	27.94	-14.29	-1.71	52.22	-1.90	-365.98
	7	61	-16.58	156.26	0.26	-12.86	0.00	119.03
		62	16.58	-156.26	-0.26	12.86	-0.39	115.37
	8	61	-16.58	156.26	0.26	-12.86	0.00	119.03
		62	16.58	-156.26	-0.26	12.86	-0.39	115.37
	9	61	2.20	-5.37	0.65	4.38	-0.07	-8.16
		62	-2.20	5.37	-0.65	-4.38	-0.91	0.11
	10	61	2.20	-5.37	0.65	4.38	-0.07	-8.16
		62	-2.20	5.37	-0.65	-4.38	-0.91	0.11
	11	61	-11.14	-67.84	-0.52	-189.74	1.04	114.90
		62	11.14	67.84	0.52	189.74	-0.26	-216.66
	12	61	-11.14	-67.84	-0.52	-189.74	1.04	114.90
		62	11.14	67.84	0.52	189.74	-0.26	-216.66
	13	61	-21.81	197.05	1.45	-10.58	-0.64	280.20
		62	21.81	-197.05	-1.45	10.58	-1.54	15.38
	14	61	-21.81	197.05	1.45	-10.58	-0.64	280.20
		62	21.81	-197.05	-1.45	10.58	-1.54	15.38
15	61	-18.35	-89.80	3.28	54.61	-1.80	214.83	
	62	18.35	89.80	-3.28	-54.61	-3.11	-349.53	
16	61	-18.35	-89.80	3.28	54.61	-1.80	214.83	
	62	18.35	89.80	-3.28	-54.61	-3.11	-349.53	
17	61	-18.58	-94.54	3.28	54.44	-1.80	215.30	
	62	18.58	94.54	-3.28	-54.44	-3.12	-357.10	
18	61	-18.58	-94.54	3.28	54.44	-1.80	215.30	
	62	18.58	94.54	-3.28	-54.44	-3.12	-357.10	
19	61	-38.24	-21.64	0.45	-4.37	-0.12	612.40	
	62	38.24	21.64	-0.45	4.37	-0.55	-644.86	
20	61	-16.58	156.26	0.26	-12.86	0.00	119.03	
	62	16.58	-156.26	-0.26	12.86	-0.39	115.37	

STAAD SPACE

-- PAGE NO. 185

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	21	61	-18.58	-94.54	3.28	54.44	-1.80	215.30
		62	18.58	94.54	-3.28	-54.44	-3.12	-357.10
82	1	62	-111.73	-320.11	13.24	-146.15	-12.14	1542.38
		7	111.73	343.67	-13.24	146.15	-1.10	-1874.27
	2	62	-17.46	-253.20	-6.09	75.19	1.80	389.38
		7	17.46	253.20	6.09	-75.19	4.28	-642.58
	3	62	-53.17	-81.16	1.36	-21.63	-0.81	555.99
		7	53.17	81.16	-1.36	21.63	-0.54	-637.15
	4	62	-10.88	-245.95	35.73	-745.34	-17.25	471.12
		7	10.88	245.95	-35.73	745.34	-18.48	-717.07
	5	62	-9.12	47.67	20.92	-779.76	-10.47	-57.90
		7	9.12	-47.67	-20.92	779.76	-10.45	105.57
	6	62	-26.35	-32.60	26.64	-663.84	-13.20	384.69
		7	26.35	32.60	-26.64	663.84	-13.43	-417.28
	7	62	-17.52	-38.57	3.38	-85.15	-1.69	-136.47
		7	17.52	38.57	-3.38	85.15	-1.69	97.90
	8	62	-17.52	-38.57	3.38	-85.15	-1.69	-136.47
		7	17.52	38.57	-3.38	85.15	-1.69	97.90
	9	62	0.85	2.40	1.94	-6.92	-1.22	-1.98
		7	-0.85	-2.40	-1.94	6.92	-0.73	4.39
10	62	62	0.85	2.40	1.94	-6.92	-1.22	-1.98
		7	-0.85	-2.40	-1.94	6.92	-0.73	4.39
11	62	62	-10.87	-174.23	-6.66	-118.02	2.25	231.67
		7	10.87	174.23	6.66	118.02	4.41	-405.90
12	62	62	-10.87	-174.23	-6.66	-118.02	2.25	231.67
		7	10.87	174.23	6.66	118.02	4.41	-405.90
13	62	62	-19.15	123.63	17.02	-406.78	-8.36	18.46
		7	19.15	-123.63	-17.02	406.78	-8.66	105.17
14	62	62	-19.15	123.63	17.02	-406.78	-8.36	18.46
		7	19.15	-123.63	-17.02	406.78	-8.66	105.17
15	62	62	-11.40	-251.28	34.15	-722.49	-16.88	469.32
		7	11.40	251.28	-34.15	722.49	-17.27	-720.60
16	62	62	-11.40	-251.28	34.15	-722.49	-16.88	469.32
		7	11.40	251.28	-34.15	722.49	-17.27	-720.60
17	62	62	-11.80	-257.24	34.15	-722.94	-16.89	474.57
		7	11.80	257.24	-34.15	722.94	-17.26	-731.81
18	62	62	-11.80	-257.24	34.15	-722.94	-16.89	474.57
		7	11.80	257.24	-34.15	722.94	-17.26	-731.81
19	62	62	-54.78	-73.53	2.43	-11.87	-1.18	543.18
		7	54.78	73.53	-2.43	11.87	-1.25	-616.71
20	62	62	-17.52	-38.57	3.38	-85.15	-1.69	-136.47
		7	17.52	38.57	-3.38	85.15	-1.69	97.90
21	62	62	-11.80	-257.24	34.15	-722.94	-16.89	474.57
		7	11.80	257.24	-34.15	722.94	-17.26	-731.81

STAAD SPACE

-- PAGE NO. 186

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
84	1	63	8.57	909.70	-1.06	43.34	-1.51	3400.85
		64	-8.57	-874.36	1.06	-43.34	3.10	-2062.80
	2	63	6.54	290.53	0.86	-51.47	-1.17	785.77
		64	-6.54	-290.53	-0.86	51.47	-0.12	-349.98
	3	63	9.55	451.63	0.02	8.25	-0.28	1243.62
		64	-9.55	-451.63	-0.02	-8.25	0.25	-566.18
	4	63	1.68	241.13	-7.09	308.37	5.70	847.66
		64	-1.68	-241.13	7.09	-308.37	4.93	-485.97
	5	63	-1.80	-54.88	-5.54	93.84	4.26	-6.73
		64	1.80	54.88	5.54	-93.84	4.05	-75.59
	6	63	2.94	174.44	-6.57	259.22	5.20	793.26
		64	-2.94	-174.44	6.57	-259.22	4.66	-531.60
	7	63	-3.44	-22.00	-0.64	16.80	0.49	-22.06
		64	3.44	22.00	0.64	-16.80	0.47	-10.94
	8	63	-3.44	-22.00	-0.64	16.80	0.49	-22.06
		64	3.44	22.00	0.64	-16.80	0.47	-10.94
	9	63	-1.45	-0.28	0.85	9.47	-1.18	-7.76
		64	1.45	0.28	-0.85	-9.47	-0.09	7.33
	10	63	-1.45	-0.28	0.85	9.47	-1.18	-7.76
		64	1.45	0.28	-0.85	-9.47	-0.09	7.33
	11	63	1.47	114.83	0.53	-229.81	-0.66	497.28
		64	-1.47	-114.83	-0.53	229.81	-0.14	-325.03
	12	63	1.47	114.83	0.53	-229.81	-0.66	497.28
		64	-1.47	-114.83	-0.53	229.81	-0.14	-325.03
	13	63	-4.11	22.92	-3.26	126.53	2.61	84.64
		64	4.11	-22.92	3.26	-126.53	2.28	-50.26
	14	63	-4.11	22.92	-3.26	126.53	2.61	84.64
		64	4.11	-22.92	3.26	-126.53	2.28	-50.26
	15	63	0.48	241.67	-7.26	299.32	6.02	845.93
		64	-0.48	-241.67	7.26	-299.32	4.87	-483.42
	16	63	0.48	241.67	-7.26	299.32	6.02	845.93
		64	-0.48	-241.67	7.26	-299.32	4.87	-483.42
	17	63	0.69	247.97	-7.24	299.34	6.00	861.99
		64	-0.69	-247.97	7.24	-299.34	4.86	-490.03
	18	63	0.69	247.97	-7.24	299.34	6.00	861.99
		64	-0.69	-247.97	7.24	-299.34	4.86	-490.03
	19	63	9.03	449.74	0.02	6.22	-0.18	1240.54
		64	-9.03	-449.74	-0.02	-6.22	0.15	-565.93
	20	63	-3.44	-22.00	-0.64	16.80	0.49	-22.06
		64	3.44	22.00	0.64	-16.80	0.47	-10.94
	21	63	0.69	247.97	-7.24	299.34	6.00	861.99
		64	-0.69	-247.97	7.24	-299.34	4.86	-490.03
86	1	64	-7.86	633.02	-3.73	31.38	3.51	1668.50
		65	7.86	-597.68	3.73	-31.38	2.08	-745.48

STAAD SPACE

-- PAGE NO. 187

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
2	64		4.73	127.52	-0.15	-43.69	0.04	252.07
		65	-4.73	-127.52	0.15	43.69	0.18	-60.78
3	64		3.18	155.62	-0.26	5.98	0.23	353.83
		65	-3.18	-155.62	0.26	-5.98	0.16	-120.40
4	64		-3.17	167.24	-4.10	188.95	3.47	378.10
		65	3.17	-167.24	4.10	-188.95	2.68	-127.23
5	64		-3.21	-16.63	-3.41	-29.41	2.79	-57.69
		65	3.21	16.63	3.41	29.41	2.32	32.74
6	64		-2.28	128.19	-3.97	177.58	3.39	375.20
		65	2.28	-128.19	3.97	-177.58	2.58	-182.91
7	64		-4.21	-10.08	-0.39	-0.47	0.37	-24.51
		65	4.21	10.08	0.39	0.47	0.21	9.39
8	64		-4.21	-10.08	-0.39	-0.47	0.37	-24.51
		65	4.21	10.08	0.39	0.47	0.21	9.39
9	64		-0.69	6.28	-0.04	4.30	-0.02	2.69
		65	0.69	-6.28	0.04	-4.30	0.08	6.73
10	64		-0.69	6.28	-0.04	4.30	-0.02	2.69
		65	0.69	-6.28	0.04	-4.30	0.08	6.73
11	64		-0.02	78.10	0.03	-193.23	0.04	213.58
		65	0.02	-78.10	-0.03	193.23	-0.09	-96.44
12	64		-0.02	78.10	0.03	-193.23	0.04	213.58
		65	0.02	-78.10	-0.03	193.23	-0.09	-96.44
13	64		-6.01	23.25	-1.88	17.72	1.63	-13.52
		65	6.01	-23.25	1.88	-17.72	1.19	48.39
14	64		-6.01	23.25	-1.88	17.72	1.63	-13.52
		65	6.01	-23.25	1.88	-17.72	1.19	48.39
15	64		-4.48	168.58	-4.10	186.70	3.57	378.46
		65	4.48	-168.58	4.10	-186.70	2.57	-125.60
16	64		-4.48	168.58	-4.10	186.70	3.57	378.46
		65	4.48	-168.58	4.10	-186.70	2.57	-125.60
17	64		-4.34	170.06	-4.09	186.35	3.57	381.87
		65	4.34	-170.06	4.09	-186.35	2.57	-126.78
18	64		-4.34	170.06	-4.09	186.35	3.57	381.87
		65	4.34	-170.06	4.09	-186.35	2.57	-126.78
19	64		2.00	154.62	-0.15	5.80	0.23	352.62
		65	-2.00	-154.62	0.15	-5.80	0.00	-120.70
20	64		-4.21	-10.08	-0.39	-0.47	0.37	-24.51
		65	4.21	10.08	0.39	0.47	0.21	9.39
21	64		-4.34	170.06	-4.09	186.35	3.57	381.87
		65	4.34	-170.06	4.09	-186.35	2.57	-126.78
88	1	65	-10.19	308.10	-1.59	-39.13	1.81	453.90
		8	10.19	-272.76	1.59	39.13	0.57	-18.26
	2	65	4.09	27.02	-0.13	-32.54	0.11	-7.22
		8	-4.09	-27.02	0.13	32.54	0.09	47.74

STAAD SPACE

-- PAGE NO. 188

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
3	65	8	0.60	3.33	-0.11	0.98	0.12	-52.70
		8	-0.60	-3.33	0.11	-0.98	0.05	57.69
4	65	8	-3.99	56.20	-1.68	46.97	1.48	41.74
		8	3.99	-56.20	1.68	-46.97	1.04	42.57
5	65	8	-1.85	-28.97	-1.33	-71.66	1.16	-94.89
		8	1.85	28.97	1.33	71.66	0.83	51.43
6	65	8	-3.05	41.42	-1.62	53.41	1.47	65.93
		8	3.05	-41.42	1.62	-53.41	0.96	-3.80
7	65	8	-3.54	-10.06	-0.12	-8.79	0.14	-26.56
		8	3.54	10.06	0.12	8.79	0.04	11.47
8	65	8	-3.54	-10.06	-0.12	-8.79	0.14	-26.56
		8	3.54	10.06	0.12	8.79	0.04	11.47
9	65	8	-0.21	8.24	-0.10	-1.47	0.08	7.87
		8	0.21	-8.24	0.10	1.47	0.08	4.49
10	65	8	-0.21	8.24	-0.10	-1.47	0.08	7.87
		8	0.21	-8.24	0.10	1.47	0.08	4.49
11	65	8	-0.16	28.85	0.13	-109.91	-0.04	11.77
		8	0.16	-28.85	-0.13	109.91	-0.16	31.50
12	65	8	-0.16	28.85	0.13	-109.91	-0.04	11.77
		8	0.16	-28.85	-0.13	109.91	-0.16	31.50
13	65	8	-5.30	-5.05	-0.72	-33.99	0.67	-72.81
		8	5.30	5.05	0.72	33.99	0.42	65.23
14	65	8	-5.30	-5.05	-0.72	-33.99	0.67	-72.81
		8	5.30	5.05	0.72	33.99	0.42	65.23
15	65	8	-5.48	57.70	-1.65	44.97	1.52	43.27
		8	5.48	-57.70	1.65	-44.97	0.96	43.28
16	65	8	-5.48	57.70	-1.65	44.97	1.52	43.27
		8	5.48	-57.70	1.65	-44.97	0.96	43.28
17	65	8	-5.40	57.19	-1.65	44.60	1.52	41.51
		8	5.40	-57.19	1.65	-44.60	0.96	44.26
18	65	8	-5.40	57.19	-1.65	44.60	1.52	41.51
		8	5.40	-57.19	1.65	-44.60	0.96	44.26
19	65	8	-1.21	3.11	-0.05	0.41	0.11	-52.64
		8	1.21	-3.11	0.05	-0.41	-0.03	57.30
20	65	8	-3.54	-10.06	-0.12	-8.79	0.14	-26.56
		8	3.54	10.06	0.12	8.79	0.04	11.47
21	65	8	-5.40	57.19	-1.65	44.60	1.52	41.51
		8	5.40	-57.19	1.65	-44.60	0.96	44.26
91	1	67	74.09	122.08	-0.04	0.87	0.31	20.85
		9	-74.09	231.34	0.04	-0.87	0.31	-840.29
	2	67	52.49	1.71	0.03	11.98	0.35	72.86
		9	-52.49	-1.71	-0.03	-11.98	-0.78	-47.16
	3	67	4.73	-9.55	0.01	79.47	-0.10	-90.77
		9	-4.73	9.55	-0.01	-79.47	-0.03	-52.44

STAAD SPACE

-- PAGE NO. 189

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
4	67		-11.09	1.48	-0.03	12.89	0.01	-44.66
	9		11.09	-1.48	0.03	-12.89	0.42	66.81
5	67		44.68	8.13	0.04	25.23	0.06	48.30
	9		-44.68	-8.13	-0.04	-25.23	-0.72	73.62
6	67		13.05	5.67	0.01	35.27	-0.05	19.06
	9		-13.05	-5.67	-0.01	-35.27	-0.08	66.00
7	67		-10.05	-9.32	0.03	72.38	-0.39	-96.68
	9		10.05	9.32	-0.03	-72.38	-0.01	-43.05
8	67		-10.05	-9.32	0.03	72.38	-0.39	-96.68
	9		10.05	9.32	-0.03	-72.38	-0.01	-43.05
9	67		0.54	-2.46	0.00	-25.53	0.00	34.26
	9		-0.54	2.46	0.00	25.53	-0.03	-71.12
10	67		0.54	-2.46	0.00	-25.53	0.00	34.26
	9		-0.54	2.46	0.00	25.53	-0.03	-71.12
11	67		28.17	5.79	0.00	-11.95	0.19	12.27
	9		-28.17	-5.79	0.00	11.95	-0.13	74.64
12	67		28.17	5.79	0.00	-11.95	0.19	12.27
	9		-28.17	-5.79	0.00	11.95	-0.13	74.64
13	67		-14.16	-9.34	0.02	79.96	-0.42	-114.64
	9		14.16	9.34	-0.02	-79.96	0.11	-25.44
14	67		-14.16	-9.34	0.02	79.96	-0.42	-114.64
	9		14.16	9.34	-0.02	-79.96	0.11	-25.44
15	67		-23.09	1.48	-0.04	13.86	-0.10	-48.90
	9		23.09	-1.48	0.04	-13.86	0.66	71.10
16	67		-23.09	1.48	-0.04	13.86	-0.10	-48.90
	9		23.09	-1.48	0.04	-13.86	0.66	71.10
17	67		-22.69	1.49	-0.04	13.92	-0.09	-48.77
	9		22.69	-1.49	0.04	-13.92	0.66	71.10
18	67		-22.69	1.49	-0.04	13.92	-0.09	-48.77
	9		22.69	-1.49	0.04	-13.92	0.66	71.10
19	67		-23.24	-9.49	-0.02	82.42	-0.24	-95.53
	9		23.24	9.49	0.02	-82.42	0.47	-46.81
20	67		-10.05	-9.32	0.03	72.38	-0.39	-96.68
	9		10.05	9.32	-0.03	-72.38	-0.01	-43.05
21	67		-22.69	1.49	-0.04	13.92	-0.09	-48.77
	9		22.69	-1.49	0.04	-13.92	0.66	71.10
101	1	76	74.09	122.08	0.04	-0.87	-0.31	20.85
		12	-74.09	231.34	-0.04	0.87	-0.31	-840.29
	2	76	-44.27	-23.51	0.02	25.82	0.38	-67.67
		12	44.27	23.51	-0.02	-25.82	-0.67	-284.95
	3	76	3.17	-10.65	-0.01	-77.97	0.09	-103.67
		12	-3.17	10.65	0.01	77.97	-0.02	-56.04
	4	76	23.01	7.94	-0.02	-28.28	0.00	48.61
		12	-23.01	-7.94	0.02	28.28	0.37	70.53

STAAD SPACE

-- PAGE NO. 190

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
5	76		-23.14	1.41	0.04	-13.41	0.11	-48.96
	12		23.14	-1.41	-0.04	13.41	-0.66	70.08
6	76		8.48	5.39	-0.01	-36.60	0.10	16.17
	12		-8.48	-5.39	0.01	36.60	0.03	64.63
7	76		19.49	0.41	0.02	1.77	-0.32	-16.82
	12		-19.49	-0.41	-0.02	-1.77	-0.02	22.93
8	76		19.49	0.41	0.02	1.77	-0.32	-16.82
	12		-19.49	-0.41	-0.02	-1.77	-0.02	22.93
9	76		-0.30	-2.72	0.00	29.75	0.00	38.20
	12		0.30	2.72	0.00	-29.75	0.01	-78.99
10	76		-0.30	-2.72	0.00	29.75	0.00	38.20
	12		0.30	2.72	0.00	-29.75	0.01	-78.99
11	76		-2.30	-44.12	0.02	-62.88	0.07	-524.16
	12		2.30	44.12	-0.02	62.88	-0.35	-137.69
12	76		-2.30	-44.12	0.02	-62.88	0.07	-524.16
	12		2.30	44.12	-0.02	62.88	-0.35	-137.69
13	76		28.60	3.41	0.01	-4.32	-0.34	4.72
	12		-28.60	-3.41	-0.01	4.32	0.12	46.40
14	76		28.60	3.41	0.01	-4.32	-0.34	4.72
	12		-28.60	-3.41	-0.01	4.32	0.12	46.40
15	76		44.66	7.97	-0.04	-25.19	-0.06	47.25
	12		-44.66	-7.97	0.04	25.19	0.72	72.29
16	76		44.66	7.97	-0.04	-25.19	-0.06	47.25
	12		-44.66	-7.97	0.04	25.19	0.72	72.29
17	76		44.27	7.90	-0.05	-26.00	-0.05	46.85
	12		-44.27	-7.90	0.05	26.00	0.72	71.58
18	76		44.27	7.90	-0.05	-26.00	-0.05	46.85
	12		-44.27	-7.90	0.05	26.00	0.72	71.58
19	76		33.53	-10.73	-0.03	-74.50	-0.03	-102.83
	12		-33.53	10.73	0.03	74.50	0.52	-58.13
20	76		19.49	0.41	0.02	1.77	-0.32	-16.82
	12		-19.49	-0.41	-0.02	-1.77	-0.02	22.93
21	76		44.27	7.90	-0.05	-26.00	-0.05	46.85
	12		-44.27	-7.90	0.05	26.00	0.72	71.58
103	1	77	-8.73	-673.35	0.75	1.53	-0.31	677.82
		78	8.73	708.69	-0.75	-1.53	-0.82	-1714.35
	2	77	-5.82	30.46	-0.34	-10.96	0.30	11.58
		78	5.82	-30.46	0.34	10.96	0.21	34.10
	3	77	-0.94	-68.13	1.11	-57.68	-0.60	24.07
		78	0.94	68.13	-1.11	57.68	-1.06	-126.26
	4	77	1.13	-42.19	-0.05	-9.67	0.04	-24.47
		78	-1.13	42.19	0.05	9.67	0.02	-38.81
	5	77	-7.67	-20.18	-0.47	24.32	0.50	-26.01
		78	7.67	20.18	0.47	-24.32	0.21	-4.26

STAAD SPACE

-- PAGE NO. 191

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
6	77		-3.48	-42.72	0.00	6.76	0.15	-28.16
	78		3.48	42.72	0.00	-6.76	-0.15	-35.91
7	77		-0.47	-63.92	0.50	-58.75	-0.19	16.74
	78		0.47	63.92	-0.50	58.75	-0.55	-112.62
8	77		-0.47	-63.92	0.50	-58.75	-0.19	16.74
	78		0.47	63.92	-0.50	58.75	-0.55	-112.62
9	77		-0.71	-66.93	-1.04	58.23	0.57	26.43
	78		0.71	66.93	1.04	-58.23	0.99	-126.83
10	77		-0.71	-66.93	-1.04	58.23	0.57	26.43
	78		0.71	66.93	1.04	-58.23	0.99	-126.83
11	77		-3.53	13.89	0.54	48.58	-0.37	-21.23
	78		3.53	-13.89	-0.54	-48.58	-0.44	42.06
12	77		-3.53	13.89	0.54	48.58	-0.37	-21.23
	78		3.53	-13.89	-0.54	-48.58	-0.44	42.06
13	77		-0.13	-80.69	0.30	-68.90	-0.04	12.18
	78		0.13	80.69	-0.30	68.90	-0.42	-133.22
14	77		-0.13	-80.69	0.30	-68.90	-0.04	12.18
	78		0.13	80.69	-0.30	68.90	-0.42	-133.22
15	77		2.25	-31.55	-0.09	-9.46	0.09	-15.62
	78		-2.25	31.55	0.09	9.46	0.05	-31.71
16	77		2.25	-31.55	-0.09	-9.46	0.09	-15.62
	78		-2.25	31.55	0.09	9.46	0.05	-31.71
17	77		2.22	-31.44	-0.09	-9.47	0.09	-15.56
	78		-2.22	31.44	0.09	9.47	0.04	-31.60
18	77		2.22	-31.44	-0.09	-9.47	0.09	-15.56
	78		-2.22	31.44	0.09	9.47	0.04	-31.60
19	77		1.90	-61.73	1.26	-62.06	-0.76	26.81
	78		-1.90	61.73	-1.26	62.06	-1.13	-119.41
20	77		-0.47	-63.92	0.50	-58.75	-0.19	16.74
	78		0.47	63.92	-0.50	58.75	-0.55	-112.62
21	77		2.22	-31.44	-0.09	-9.47	0.09	-15.56
	78		-2.22	31.44	0.09	9.47	0.04	-31.60
105	1	78	2.80	-986.13	0.14	6.40	-0.69	1906.99
		79	-2.80	1021.47	-0.14	-6.40	0.48	-3412.69
	2	78	-4.07	63.88	-0.67	10.86	0.48	-5.12
		79	4.07	-63.88	0.67	-10.86	0.52	100.93
	3	78	0.32	-55.33	2.73	-47.43	-1.39	80.22
		79	-0.32	55.33	-2.73	47.43	-2.71	-163.21
	4	78	1.48	-92.28	0.18	-35.52	-0.12	-69.00
		79	-1.48	92.28	-0.18	35.52	-0.15	-69.43
	5	78	-8.85	-9.78	-0.06	50.64	0.33	-52.87
		79	8.85	9.78	0.06	-50.64	-0.24	38.19
	6	78	-4.10	-43.50	0.50	20.52	-0.13	-48.68
		79	4.10	43.50	-0.50	-20.52	-0.62	-16.58

STAAD SPACE

-- PAGE NO. 192

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
7	78		-0.72	-57.34	1.59	-48.24	-0.70	73.53
		79	0.72	57.34	-1.59	48.24	-1.69	-159.53
8	78		-0.72	-57.34	1.59	-48.24	-0.70	73.53
		79	0.72	57.34	-1.59	48.24	-1.69	-159.53
9	78		0.24	-53.76	-2.80	47.91	1.32	84.50
		79	-0.24	53.76	2.80	-47.91	2.87	-165.14
10	78		0.24	-53.76	-2.80	47.91	1.32	84.50
		79	-0.24	53.76	2.80	-47.91	2.87	-165.14
11	78		-3.18	-24.62	0.77	75.24	-0.65	-53.10
		79	3.18	24.62	-0.77	-75.24	-0.50	16.18
12	78		-3.18	-24.62	0.77	75.24	-0.65	-53.10
		79	3.18	24.62	-0.77	-75.24	-0.50	16.18
13	78		-0.24	-89.95	1.37	-63.51	-0.53	57.70
		79	0.24	89.95	-1.37	63.51	-1.53	-192.62
14	78		-0.24	-89.95	1.37	-63.51	-0.53	57.70
		79	0.24	89.95	-1.37	63.51	-1.53	-192.62
15	78		2.45	-78.82	-0.08	-28.09	0.06	-54.06
		79	-2.45	78.82	0.08	28.09	0.06	-64.17
16	78		2.45	-78.82	-0.08	-28.09	0.06	-54.06
		79	-2.45	78.82	0.08	28.09	0.06	-64.17
17	78		2.42	-78.63	-0.08	-28.09	0.05	-54.08
		79	-2.42	78.63	0.08	28.09	0.06	-63.86
18	78		2.42	-78.63	-0.08	-28.09	0.05	-54.08
		79	-2.42	78.63	0.08	28.09	0.06	-63.86
19	78		2.38	-46.25	2.55	-52.80	-1.47	81.85
		79	-2.38	46.25	-2.55	52.80	-2.36	-151.23
20	78		-0.72	-57.34	1.59	-48.24	-0.70	73.53
		79	0.72	57.34	-1.59	48.24	-1.69	-159.53
21	78		2.42	-78.63	-0.08	-28.09	0.05	-54.08
		79	-2.42	78.63	0.08	28.09	0.06	-63.86
107	1	79	117.95	-2134.70	-5.14	47.48	1.32	3543.68
		10	-117.95	2146.48	5.14	-47.48	1.24	-4613.98
	2	79	4.07	97.13	-8.17	187.34	2.12	-41.93
		10	-4.07	-97.13	8.17	-187.34	1.96	90.49
	3	79	6.40	-97.61	10.43	-196.68	-4.33	111.54
		10	-6.40	97.61	-10.43	196.68	-0.88	-160.35
	4	79	5.46	-13.80	-0.54	14.59	0.22	-15.57
		10	-5.46	13.80	0.54	-14.59	0.05	8.67
	5	79	-10.31	74.90	-8.18	225.28	1.65	-62.75
		10	10.31	-74.90	8.18	-225.28	2.45	100.19
	6	79	0.48	17.28	-7.68	149.38	1.23	-41.52
		10	-0.48	-17.28	7.68	-149.38	2.61	50.17
	7	79	1.33	-113.91	9.90	-184.54	-3.39	102.40
		10	-1.33	113.91	-9.90	184.54	-1.56	-159.35

STAAD SPACE

-- PAGE NO. 193

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
8	79		1.33	-113.91	9.90	-184.54	-3.39	102.40
	10		-1.33	113.91	-9.90	184.54	-1.56	-159.35
9	79		6.45	-98.70	-10.50	205.01	4.50	116.57
	10		-6.45	98.70	10.50	-205.01	0.75	-165.93
10	79		6.45	-98.70	-10.50	205.01	4.50	116.57
	10		-6.45	98.70	10.50	-205.01	0.75	-165.93
11	79		3.48	-164.30	4.70	-41.49	-1.52	1.87
	10		-3.48	164.30	-4.70	41.49	-0.83	-84.02
12	79		3.48	-164.30	4.70	-41.49	-1.52	1.87
	10		-3.48	164.30	-4.70	41.49	-0.83	-84.02
13	79		3.10	-115.94	6.46	-128.24	-2.47	109.57
	10		-3.10	115.94	-6.46	128.24	-0.75	-167.54
14	79		3.10	-115.94	6.46	-128.24	-2.47	109.57
	10		-3.10	115.94	-6.46	128.24	-0.75	-167.54
15	79		9.98	-14.39	-8.64	80.51	1.99	-0.12
	10		-9.98	14.39	8.64	-80.51	2.33	-7.08
16	79		9.98	-14.39	-8.64	80.51	1.99	-0.12
	10		-9.98	14.39	8.64	-80.51	2.33	-7.08
17	79		9.93	-13.92	-8.73	80.64	2.01	-0.24
	10		-9.93	13.92	8.73	-80.64	2.36	-6.72
18	79		9.93	-13.92	-8.73	80.64	2.01	-0.24
	10		-9.93	13.92	8.73	-80.64	2.36	-6.72
19	79		10.91	-85.31	6.37	-199.71	-3.23	113.52
	10		-10.91	85.31	-6.37	199.71	0.05	-156.17
20	79		1.33	-113.91	9.90	-184.54	-3.39	102.40
	10		-1.33	113.91	-9.90	184.54	-1.56	-159.35
21	79		9.93	-13.92	-8.73	80.64	2.01	-0.24
	10		-9.93	13.92	8.73	-80.64	2.36	-6.72
109	1	80	-85.08	151.99	-1.75	-0.39	2.53	1502.16
		81	85.08	-116.65	1.75	0.39	0.10	-1300.68
2	80		-9.02	-134.29	-0.03	-55.90	0.04	-72.58
	81		9.02	134.29	0.03	55.90	0.00	-128.85
3	80		-2.13	-12.66	0.95	6.58	-1.40	60.84
	81		2.13	12.66	-0.95	-6.58	-0.02	-79.83
4	80		-0.33	-24.79	0.40	-28.70	-0.62	-46.28
	81		0.33	24.79	-0.40	28.70	0.02	9.09
5	80		-0.41	72.77	0.18	35.11	-0.25	69.39
	81		0.41	-72.77	-0.18	-35.11	-0.01	39.75
6	80		0.66	18.83	0.47	5.54	-0.60	5.80
	81		-0.66	-18.83	-0.47	-5.54	-0.11	22.45
7	80		-1.36	18.25	-0.10	-23.72	-0.23	83.18
	81		1.36	-18.25	0.10	23.72	0.37	-55.81
8	80		-1.36	18.25	-0.10	-23.72	-0.23	83.18
	81		1.36	-18.25	0.10	23.72	0.37	-55.81

STAAD SPACE

-- PAGE NO. 194

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
9	80		-1.81	-13.95	-1.05	-8.70	1.53	62.58
	81		1.81	13.95	1.05	8.70	0.04	-83.50
10	80		-1.81	-13.95	-1.05	-8.70	1.53	62.58
	81		1.81	13.95	1.05	8.70	0.04	-83.50
11	80		-6.36	-18.91	0.15	150.39	0.27	-50.70
	81		6.36	18.91	-0.15	-150.39	-0.49	22.33
12	80		-6.36	-18.91	0.15	150.39	0.27	-50.70
	81		6.36	18.91	-0.15	-150.39	-0.49	22.33
13	80		-1.86	12.72	-0.05	-40.69	-0.31	76.71
	81		1.86	-12.72	0.05	40.69	0.39	-57.64
14	80		-1.86	12.72	-0.05	-40.69	-0.31	76.71
	81		1.86	-12.72	0.05	40.69	0.39	-57.64
15	80		-1.24	-41.53	0.23	-35.55	-0.22	-69.33
	81		1.24	41.53	-0.23	35.55	-0.13	7.03
16	80		-1.24	-41.53	0.23	-35.55	-0.22	-69.33
	81		1.24	41.53	-0.23	35.55	-0.13	7.03
17	80		-1.25	-41.30	0.25	-35.50	-0.23	-68.98
	81		1.25	41.30	-0.25	35.50	-0.14	7.03
18	80		-1.25	-41.30	0.25	-35.50	-0.23	-68.98
	81		1.25	41.30	-0.25	35.50	-0.14	7.03
19	80		-1.89	-18.85	0.94	-1.74	-1.22	43.72
	81		1.89	18.85	-0.94	1.74	-0.20	-72.01
20	80		-1.36	18.25	-0.10	-23.72	-0.23	83.18
	81		1.36	-18.25	0.10	23.72	0.37	-55.81
21	80		-1.25	-41.30	0.25	-35.50	-0.23	-68.98
	81		1.25	41.30	-0.25	35.50	-0.14	7.03
111	1	81	-85.08	-116.65	1.75	0.39	-0.10	1300.68
		82	85.08	151.99	-1.75	-0.39	-2.53	-1502.16
2	81		-9.48	-138.83	-0.36	-21.13	0.36	204.86
	82		9.48	138.83	0.36	21.13	0.17	-413.11
3	81		-2.19	13.65	-0.92	0.40	0.00	82.11
	82		2.19	-13.65	0.92	-0.40	1.39	-61.64
4	81		0.18	-61.02	-0.41	-36.02	-0.02	-47.97
	82		-0.18	61.02	0.41	36.02	0.64	-43.57
5	81		-1.15	42.22	-0.22	35.07	0.12	-5.45
	82		1.15	-42.22	0.22	-35.07	0.21	68.78
6	81		0.63	-14.20	-0.43	-3.36	0.08	-19.84
	82		-0.63	14.20	0.43	3.36	0.57	-1.47
7	81		-2.08	33.98	-0.77	-24.29	0.35	17.36
	82		2.08	-33.98	0.77	24.29	0.80	33.61
8	81		-2.08	33.98	-0.77	-24.29	0.35	17.36
	82		2.08	-33.98	0.77	24.29	0.80	33.61
9	81		-1.92	12.88	0.98	-2.81	0.00	87.34
	82		1.92	-12.88	-0.98	2.81	-1.47	-68.02

STAAD SPACE

-- PAGE NO. 195

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
10	81		-1.92	12.88	0.98	-2.81	0.00	87.34
	82		1.92	-12.88	-0.98	2.81	-1.47	-68.02
11	81		-6.75	-113.72	1.71	130.81	-0.97	78.59
	82		6.75	113.72	-1.71	-130.81	-1.60	-249.17
12	81		-6.75	-113.72	1.71	130.81	-0.97	78.59
	82		6.75	113.72	-1.71	-130.81	-1.60	-249.17
13	81		-2.41	13.64	-0.95	-37.77	0.44	0.25
	82		2.41	-13.64	0.95	37.77	0.99	20.20
14	81		-2.41	13.64	-0.95	-37.77	0.44	0.25
	82		2.41	-13.64	0.95	37.77	0.99	20.20
15	81		-0.51	-70.49	-0.18	-35.63	0.00	-36.40
	82		0.51	70.49	0.18	35.63	0.27	-69.34
16	81		-0.51	-70.49	-0.18	-35.63	0.00	-36.40
	82		0.51	70.49	0.18	35.63	0.27	-69.34
17	81		-0.53	-69.93	-0.17	-35.42	-0.01	-35.61
	82		0.53	69.93	0.17	35.42	0.27	-69.28
18	81		-0.53	-69.93	-0.17	-35.42	-0.01	-35.61
	82		0.53	69.93	0.17	35.42	0.27	-69.28
19	81		-2.19	7.18	-0.66	-5.99	-0.16	91.57
	82		2.19	-7.18	0.66	5.99	1.15	-80.79
20	81		-2.08	33.98	-0.77	-24.29	0.35	17.36
	82		2.08	-33.98	0.77	24.29	0.80	33.61
21	81		-0.53	-69.93	-0.17	-35.42	-0.01	-35.61
	82		0.53	69.93	0.17	35.42	0.27	-69.28
113	1	82	-114.31	-295.11	0.62	18.47	-1.98	1522.19
		11	114.31	318.67	-0.62	-18.47	1.36	-1829.08
	2	82	-12.22	-224.45	-8.22	150.46	3.43	478.01
		11	12.22	224.45	8.22	-150.46	4.79	-702.46
	3	82	-5.09	51.92	1.11	-47.65	0.05	112.60
		11	5.09	-51.92	-1.11	47.65	-1.16	-60.68
	4	82	3.67	-44.50	-1.04	20.29	0.91	-3.66
		11	-3.67	44.50	1.04	-20.29	0.14	-40.84
	5	82	-1.00	70.77	-4.31	81.83	1.83	-47.46
		11	1.00	-70.77	4.31	-81.83	2.48	118.23
	6	82	1.92	18.17	-4.65	71.66	2.20	4.81
		11	-1.92	-18.17	4.65	-71.66	2.45	13.37
	7	82	-4.90	65.57	-1.95	-42.66	1.00	-41.46
		11	4.90	-65.57	1.95	42.66	0.94	107.03
	8	82	-4.90	65.57	-1.95	-42.66	1.00	-41.46
		11	4.90	-65.57	1.95	42.66	0.94	107.03
	9	82	-5.62	49.39	-0.98	52.00	-0.13	120.16
		11	5.62	-49.39	0.98	-52.00	1.11	-70.77
	10	82	-5.62	49.39	-0.98	52.00	-0.13	120.16
		11	5.62	-49.39	0.98	-52.00	1.11	-70.77

STAAD SPACE

-- PAGE NO. 196

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
11	82		-8.44	-194.91	13.42	-129.16	-6.62	322.00
	11		8.44	194.91	-13.42	129.16	-6.80	-516.91
12	82		-8.44	-194.91	13.42	-129.16	-6.62	322.00
	11		8.44	194.91	-13.42	129.16	-6.80	-516.91
13	82		-3.80	54.02	-4.51	1.91	2.21	-57.73
	11		3.80	-54.02	4.51	-1.91	2.29	111.75
14	82		-3.80	54.02	-4.51	1.91	2.21	-57.73
	11		3.80	-54.02	4.51	-1.91	2.29	111.75
15	82		4.09	-67.00	-4.21	63.00	1.97	32.26
	11		-4.09	67.00	4.21	-63.00	2.24	-99.26
16	82		4.09	-67.00	-4.21	63.00	1.97	32.26
	11		-4.09	67.00	4.21	-63.00	2.24	-99.26
17	82		4.06	-66.23	-4.16	63.32	1.96	33.38
	11		-4.06	66.23	4.16	-63.32	2.20	-99.61
18	82		4.06	-66.23	-4.16	63.32	1.96	33.38
	11		-4.06	66.23	4.16	-63.32	2.20	-99.61
19	82		-5.85	35.35	1.62	-38.58	-0.18	144.85
	11		5.85	-35.35	-1.62	38.58	-1.44	-109.50
20	82		-4.90	65.57	-1.95	-42.66	1.00	-41.46
	11		4.90	-65.57	1.95	42.66	0.94	107.03
21	82		4.06	-66.23	-4.16	63.32	1.96	33.38
	11		-4.06	66.23	4.16	-63.32	2.20	-99.61
115	1	83	2.80	1021.46	-0.14	-6.40	-0.48	3412.68
		84	-2.80	-986.12	0.14	6.40	0.69	-1907.00
	2	83	5.93	250.67	0.88	-84.35	-0.77	855.53
		84	-5.93	-250.67	-0.88	84.35	-0.56	-479.53
	3	83	0.75	61.43	-2.75	53.79	2.71	179.23
		84	-0.75	-61.43	2.75	-53.79	1.41	-87.08
	4	83	-5.10	20.46	-0.21	-35.91	0.41	-35.97
		84	5.10	-20.46	0.21	35.91	-0.10	66.66
	5	83	2.34	81.03	0.10	27.15	-0.08	68.07
		84	-2.34	-81.03	-0.10	-27.15	-0.06	53.48
	6	83	-3.60	46.74	-0.52	-18.25	0.66	22.92
		84	3.60	-46.74	0.52	18.25	0.13	47.19
	7	83	0.12	9.05	-1.01	0.70	0.90	9.67
		84	-0.12	-9.05	1.01	-0.70	0.61	3.90
	8	83	0.12	9.05	-1.01	0.70	0.90	9.67
		84	-0.12	-9.05	1.01	-0.70	0.61	3.90
	9	83	0.70	64.51	2.84	-58.90	-2.90	193.91
		84	-0.70	-64.51	-2.84	58.90	-1.36	-97.14
	10	83	0.70	64.51	2.84	-58.90	-2.90	193.91
		84	-0.70	-64.51	-2.84	58.90	-1.36	-97.14
	11	83	1.06	230.43	-1.96	225.39	1.48	625.75
		84	-1.06	-230.43	1.96	-225.39	1.46	-280.11

STAAD SPACE

-- PAGE NO. 197

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
12	83		1.06	230.43	-1.96	225.39	1.48	625.75
	84		-1.06	-230.43	1.96	-225.39	1.46	-280.11
13	83		-1.82	13.88	-0.71	-18.40	0.71	-12.04
	84		1.82	-13.88	0.71	18.40	0.35	32.86
14	83		-1.82	13.88	-0.71	-18.40	0.71	-12.04
	84		1.82	-13.88	0.71	18.40	0.35	32.86
15	83		-8.82	12.67	0.04	-50.72	0.27	-32.89
	84		8.82	-12.67	-0.04	50.72	-0.33	51.90
16	83		-8.82	12.67	0.04	-50.72	0.27	-32.89
	84		8.82	-12.67	-0.04	50.72	-0.33	51.90
17	83		-8.76	13.49	0.02	-50.47	0.29	-31.10
	84		8.76	-13.49	-0.02	50.47	-0.33	51.33
18	83		-8.76	13.49	0.02	-50.47	0.29	-31.10
	84		8.76	-13.49	-0.02	50.47	-0.33	51.33
19	83		-2.62	67.90	-2.65	42.47	2.70	192.14
	84		2.62	-67.90	2.65	-42.47	1.27	-90.29
20	83		0.12	9.05	-1.01	0.70	0.90	9.67
	84		-0.12	-9.05	1.01	-0.70	0.61	3.90
21	83		-8.76	13.49	0.02	-50.47	0.29	-31.10
	84		8.76	-13.49	-0.02	50.47	-0.33	51.33
117	1	84	-8.73	708.71	-0.75	-1.53	0.82	1714.36
		85	8.73	-673.36	0.75	1.53	0.31	-677.81
	2	84	4.67	187.19	0.36	-51.43	-0.25	430.87
		85	-4.67	-187.19	-0.36	51.43	-0.28	-150.08
	3	84	-0.62	71.04	-1.13	61.58	1.08	132.55
		85	0.62	-71.04	1.13	-61.58	0.62	-26.00
	4	84	-4.51	26.55	0.35	-18.81	-0.17	8.42
		85	4.51	-26.55	-0.35	18.81	-0.37	31.41
	5	84	2.19	33.16	0.10	8.69	-0.05	33.82
		85	-2.19	-33.16	-0.10	-8.69	-0.10	15.92
	6	84	-3.00	44.42	0.00	-4.99	0.16	39.13
		85	3.00	-44.42	0.00	4.99	-0.15	27.50
	7	84	-1.17	3.66	-0.53	-7.03	0.44	4.89
		85	1.17	-3.66	0.53	7.03	0.35	0.59
	8	84	-1.17	3.66	-0.53	-7.03	0.44	4.89
		85	1.17	-3.66	0.53	7.03	0.35	0.59
	9	84	-0.46	72.67	1.09	-65.74	-1.02	139.17
		85	0.46	-72.67	-1.09	65.74	-0.61	-30.17
	10	84	-0.46	72.67	1.09	-65.74	-1.02	139.17
		85	0.46	-72.67	-1.09	65.74	-0.61	-30.17
	11	84	0.41	160.29	-1.29	162.97	1.05	321.84
		85	-0.41	-160.29	1.29	-162.97	0.89	-81.41
	12	84	0.41	160.29	-1.29	162.97	1.05	321.84
		85	-0.41	-160.29	1.29	-162.97	0.89	-81.41

STAAD SPACE

-- PAGE NO. 198

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
13	84		-2.84	-0.49	-0.24	-18.16	0.25	-2.03
	85		2.84	0.49	0.24	18.16	0.11	1.30
14	84		-2.84	-0.49	-0.24	-18.16	0.25	-2.03
	85		2.84	0.49	0.24	18.16	0.11	1.30
15	84		-7.65	21.63	0.48	-24.33	-0.21	6.76
	85		7.65	-21.63	-0.48	24.33	-0.51	25.69
16	84		-7.65	21.63	0.48	-24.33	-0.21	6.76
	85		7.65	-21.63	-0.48	24.33	-0.51	25.69
17	84		-7.62	22.37	0.48	-23.79	-0.20	8.03
	85		7.62	-22.37	-0.48	23.79	-0.51	25.53
18	84		-7.62	22.37	0.48	-23.79	-0.20	8.03
	85		7.62	-22.37	-0.48	23.79	-0.51	25.53
19	84		-4.15	75.02	-1.00	55.73	1.05	138.54
	85		4.15	-75.02	1.00	-55.73	0.45	-26.01
20	84		-1.17	3.66	-0.53	-7.03	0.44	4.89
	85		1.17	-3.66	0.53	7.03	0.35	0.59
21	84		-7.62	22.37	0.48	-23.79	-0.20	8.03
	85		7.62	-22.37	-0.48	23.79	-0.51	25.53
119	1	85	-10.05	403.95	-0.16	1.28	0.31	556.06
	12		10.05	-368.60	0.16	-1.28	-0.07	23.35
2	85		4.92	100.78	0.15	-24.93	-0.10	116.90
	12		-4.92	-100.78	-0.15	24.93	-0.13	34.27
3	85		-0.46	46.67	-0.44	38.77	0.41	76.29
	12		0.46	-46.67	0.44	-38.77	0.25	-6.28
4	85		-3.78	36.42	0.38	13.51	-0.29	41.91
	12		3.78	-36.42	-0.38	-13.51	-0.28	12.73
5	85		2.42	26.94	0.18	15.74	-0.11	30.88
	12		-2.42	-26.94	-0.18	-15.74	-0.16	9.52
6	85		-2.10	43.76	0.18	18.38	-0.07	50.55
	12		2.10	-43.76	-0.18	-18.38	-0.20	15.10
7	85		-1.82	2.85	-0.18	-3.94	0.18	3.80
	12		1.82	-2.85	0.18	3.94	0.09	0.47
8	85		-1.82	2.85	-0.18	-3.94	0.18	3.80
	12		1.82	-2.85	0.18	3.94	0.09	0.47
9	85		-0.32	47.23	0.44	-40.01	-0.40	77.23
	12		0.32	-47.23	-0.44	40.01	-0.27	-6.39
10	85		-0.32	47.23	0.44	-40.01	-0.40	77.23
	12		0.32	-47.23	-0.44	40.01	-0.27	-6.39
11	85		0.39	98.38	-0.63	69.09	0.53	106.86
	12		-0.39	-98.38	0.63	-69.09	0.43	40.71
12	85		0.39	98.38	-0.63	69.09	0.53	106.86
	12		-0.39	-98.38	0.63	-69.09	0.43	40.71
13	85		-3.24	6.45	0.02	1.17	0.03	14.54
	12		3.24	-6.45	-0.02	-1.17	-0.06	-4.87

STAAD SPACE

-- PAGE NO. 199

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
14	85		-3.24	6.45	0.02	1.17	0.03	14.54
	12		3.24	-6.45	-0.02	-1.17	-0.06	-4.87
15	85		-6.65	33.28	0.43	13.21	-0.28	37.21
	12		6.65	-33.28	-0.43	-13.21	-0.37	12.71
16	85		-6.65	33.28	0.43	13.21	-0.28	37.21
	12		6.65	-33.28	-0.43	-13.21	-0.37	12.71
17	85		-6.62	33.71	0.43	13.60	-0.28	37.96
	12		6.62	-33.71	-0.43	-13.60	-0.37	12.60
18	85		-6.62	33.71	0.43	13.60	-0.28	37.96
	12		6.62	-33.71	-0.43	-13.60	-0.37	12.60
19	85		-4.43	48.91	-0.40	36.69	0.39	77.92
	12		4.43	-48.91	0.40	-36.69	0.20	-4.55
20	85		-1.82	2.85	-0.18	-3.94	0.18	3.80
	12		1.82	-2.85	0.18	3.94	0.09	0.47
21	85		-6.62	33.71	0.43	13.60	-0.28	37.96
	12		6.62	-33.71	-0.43	-13.60	-0.37	12.60
122	1	87	75.04	120.41	-0.04	-0.47	0.31	7.49
		13	-75.04	233.01	0.04	0.47	0.32	-851.99
2	87		58.05	2.01	-0.01	3.05	0.60	-3.04
		13	-58.05	-2.01	0.01	-3.05	-0.50	33.19
3	87		1.48	1.15	0.00	5.24	0.02	10.11
		13	-1.48	-1.15	0.00	-5.24	0.01	7.12
4	87		-15.01	-0.27	0.00	-9.71	-0.23	68.19
		13	15.01	0.27	0.00	9.71	0.26	-72.19
5	87		54.12	-0.86	0.01	7.87	0.41	-55.77
		13	-54.12	0.86	-0.01	-7.87	-0.50	42.84
6	87		15.15	-0.62	0.00	1.50	0.02	-38.97
		13	-15.15	0.62	0.00	-1.50	0.00	29.63
7	87		-1.56	1.24	0.01	1.93	-0.13	5.93
		13	1.56	-1.24	-0.01	-1.93	-0.02	12.67
8	87		-1.56	1.24	0.01	1.93	-0.13	5.93
		13	1.56	-1.24	-0.01	-1.93	-0.02	12.67
9	87		2.62	8.37	-0.04	-89.19	0.30	45.04
		13	-2.62	-8.37	0.04	89.19	0.25	80.46
10	87		2.62	8.37	-0.04	-89.19	0.30	45.04
		13	-2.62	-8.37	0.04	89.19	0.25	80.46
11	87		21.03	-5.18	0.00	-11.04	0.17	65.77
		13	-21.03	5.18	0.00	11.04	-0.20	-143.42
12	87		21.03	-5.18	0.00	-11.04	0.17	65.77
		13	-21.03	5.18	0.00	11.04	-0.20	-143.42
13	87		-3.65	1.15	0.01	-0.72	-0.21	9.07
		13	3.65	-1.15	-0.01	0.72	0.04	8.16
14	87		-3.65	1.15	0.01	-0.72	-0.21	9.07
		13	3.65	-1.15	-0.01	0.72	0.04	8.16

STAAD SPACE

-- PAGE NO. 200

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
15	87		-26.86	-0.37	-0.01	-5.98	-0.43	-20.30
	13		26.86	0.37	0.01	5.98	0.52	14.69
16	87		-26.86	-0.37	-0.01	-5.98	-0.43	-20.30
	13		26.86	0.37	0.01	5.98	0.52	14.69
17	87		-27.00	-0.38	-0.01	-5.98	-0.42	-20.28
	13		27.00	0.38	0.01	5.98	0.53	14.59
18	87		-27.00	-0.38	-0.01	-5.98	-0.42	-20.28
	13		27.00	0.38	0.01	5.98	0.53	14.59
19	87		-39.14	0.62	-0.02	1.25	-0.32	4.76
	13		39.14	-0.62	0.02	-1.25	0.64	4.51
20	87		-1.56	1.24	0.01	1.93	-0.13	5.93
	13		1.56	-1.24	-0.01	-1.93	-0.02	12.67
21	87		-27.00	-0.38	-0.01	-5.98	-0.42	-20.28
	13		27.00	0.38	0.01	5.98	0.53	14.59
132	1	96	75.04	120.41	0.04	0.47	-0.31	7.49
	16		-75.04	233.01	-0.04	-0.47	-0.32	-851.99
2	96		-41.80	-43.98	0.02	-12.04	0.47	-382.40
	16		41.80	43.98	-0.02	12.04	-0.71	-277.30
3	96		-0.21	1.34	0.00	-5.25	0.01	12.53
	16		0.21	-1.34	0.00	5.25	-0.02	7.58
4	96		29.05	-1.11	0.00	-5.72	-0.25	37.54
	16		-29.05	1.11	0.00	5.72	0.26	-54.21
5	96		-26.28	-0.21	0.01	4.64	0.43	-21.54
	16		26.28	0.21	-0.01	-4.64	-0.51	18.37
6	96		12.22	-0.54	0.00	-1.59	0.03	-37.97
	16		-12.22	0.54	0.00	1.59	-0.02	29.86
7	96		7.90	0.08	0.01	-4.85	-0.12	-24.38
	16		-7.90	-0.08	-0.01	4.85	-0.03	25.63
8	96		7.90	0.08	0.01	-4.85	-0.12	-24.38
	16		-7.90	-0.08	-0.01	4.85	-0.03	25.63
9	96		4.04	6.17	0.03	78.02	-0.29	18.16
	16		-4.04	-6.17	-0.03	-78.02	-0.20	74.35
10	96		4.04	6.17	0.03	78.02	-0.29	18.16
	16		-4.04	-6.17	-0.03	-78.02	-0.20	74.35
11	96		-2.49	8.26	-0.03	58.94	0.29	242.90
	16		2.49	-8.26	0.03	-58.94	0.16	-119.06
12	96		-2.49	8.26	-0.03	58.94	0.29	242.90
	16		2.49	-8.26	0.03	-58.94	0.16	-119.06
13	96		18.36	-0.44	0.01	-7.38	-0.21	-36.66
	16		-18.36	0.44	-0.01	7.38	0.03	30.07
14	96		18.36	-0.44	0.01	-7.38	-0.21	-36.66
	16		-18.36	0.44	-0.01	7.38	0.03	30.07
15	96		54.74	-0.77	-0.01	-8.88	-0.41	-57.28
	16		-54.74	0.77	0.01	8.88	0.52	45.79

STAAD SPACE

-- PAGE NO. 201

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
16	96		54.74	-0.77	-0.01	-8.88	-0.41	-57.28
	16		-54.74	0.77	0.01	8.88	0.52	45.79
17	96		54.88	-0.73	-0.01	-9.12	-0.40	-57.14
	16		-54.88	0.73	0.01	9.12	0.52	46.24
18	96		54.88	-0.73	-0.01	-9.12	-0.40	-57.14
	16		-54.88	0.73	0.01	9.12	0.52	46.24
19	96		43.97	2.08	-0.02	-11.85	-0.29	-8.96
	16		-43.97	-2.08	0.02	11.85	0.65	40.19
20	96		7.90	0.08	0.01	-4.85	-0.12	-24.38
	16		-7.90	-0.08	-0.01	4.85	-0.03	25.63
21	96		54.88	-0.73	-0.01	-9.12	-0.40	-57.14
	16		-54.88	0.73	0.01	9.12	0.52	46.24
134	1	97	-8.73	-673.35	-0.75	-1.53	0.31	677.82
		98	8.73	708.69	0.75	1.53	0.82	-1714.35
	2	97	-5.59	38.35	0.34	8.25	-0.30	15.45
		98	5.59	-38.35	-0.34	-8.25	-0.21	42.06
	3	97	-0.90	-7.21	0.03	2.25	0.03	-6.42
		98	0.90	7.21	-0.03	-2.25	-0.09	-4.40
	4	97	1.00	-7.56	-0.42	14.73	0.28	-8.85
		98	-1.00	7.56	0.42	-14.73	0.35	-2.49
	5	97	-7.45	-27.65	0.43	-21.73	-0.48	-27.07
		98	7.45	27.65	-0.43	21.73	-0.17	-14.40
	6	97	-3.37	-44.04	0.01	-6.08	-0.17	-28.14
		98	3.37	44.04	-0.01	6.08	0.15	-37.92
	7	97	-0.89	-15.98	0.03	8.98	0.02	-11.90
		98	0.89	15.98	-0.03	-8.98	-0.06	-12.07
	8	97	-0.89	-15.98	0.03	8.98	0.02	-11.90
		98	0.89	15.98	-0.03	-8.98	-0.06	-12.07
	9	97	3.45	-158.12	-0.04	8.36	0.02	137.97
		98	-3.45	158.12	0.04	-8.36	0.05	-375.15
	10	97	3.45	-158.12	-0.04	8.36	0.02	137.97
		98	-3.45	158.12	0.04	-8.36	0.05	-375.15
	11	97	-2.28	-90.36	-1.17	-31.84	0.82	-79.81
		98	2.28	90.36	1.17	31.84	0.94	-55.72
	12	97	-2.28	-90.36	-1.17	-31.84	0.82	-79.81
		98	2.28	90.36	1.17	31.84	0.94	-55.72
	13	97	-0.85	-20.85	0.10	14.37	-0.03	-14.18
		98	0.85	20.85	-0.10	-14.37	-0.12	-17.09
	14	97	-0.85	-20.85	0.10	14.37	-0.03	-14.18
		98	0.85	20.85	-0.10	-14.37	-0.12	-17.09
	15	97	2.21	-31.42	0.09	9.48	-0.09	-15.55
		98	-2.21	31.42	-0.09	-9.48	-0.04	-31.58
	16	97	2.21	-31.42	0.09	9.48	-0.09	-15.55
		98	-2.21	31.42	-0.09	-9.48	-0.04	-31.58

STAAD SPACE

-- PAGE NO. 202

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
17	97		2.24	-31.51	0.09	9.45	-0.09	-15.60
	98		-2.24	31.51	-0.09	-9.45	-0.05	-31.67
18	97		2.24	-31.51	0.09	9.45	-0.09	-15.60
	98		-2.24	31.51	-0.09	-9.45	-0.05	-31.67
19	97		3.55	-32.79	-0.08	11.80	0.08	-13.17
	98		-3.55	32.79	0.08	-11.80	0.04	-36.02
20	97		-0.89	-15.98	0.03	8.98	0.02	-11.90
	98		0.89	15.98	-0.03	-8.98	-0.06	-12.07
21	97		2.24	-31.51	0.09	9.45	-0.09	-15.60
	98		-2.24	31.51	-0.09	-9.45	-0.05	-31.67
136	1	98	2.80	-986.13	-0.14	-6.40	0.69	1906.99
		99	-2.80	1021.47	0.14	6.40	-0.48	-3412.69
	2	98	-3.83	77.04	0.71	-7.79	-0.47	0.39
		99	3.83	-77.04	-0.71	7.79	-0.59	115.17
	3	98	-1.65	-1.86	0.82	4.92	-0.18	-6.04
		99	1.65	1.86	-0.82	-4.92	-1.05	3.25
	4	98	0.57	-15.75	-0.57	36.28	0.40	25.02
		99	-0.57	15.75	0.57	-36.28	0.46	-48.65
	5	98	-8.45	-21.01	-0.05	-46.65	-0.28	-51.41
		99	8.45	21.01	0.05	46.65	0.36	19.90
	6	98	-3.97	-45.26	-0.51	-20.15	0.11	-47.98
		99	3.97	45.26	0.51	20.15	0.65	-19.90
	7	98	-1.84	-19.82	0.43	21.60	-0.08	-19.09
		99	1.84	19.82	-0.43	-21.60	-0.57	-10.64
	8	98	-1.84	-19.82	0.43	21.60	-0.08	-19.09
		99	1.84	19.82	-0.43	-21.60	-0.57	-10.64
	9	98	9.09	-454.28	-0.02	9.80	0.05	592.46
		99	-9.09	454.28	0.02	-9.80	-0.02	-1273.89
	10	98	9.09	-454.28	-0.02	9.80	0.05	592.46
		99	-9.09	454.28	0.02	-9.80	-0.02	-1273.89
	11	98	-0.43	-162.07	-2.28	40.70	1.59	2.95
		99	0.43	162.07	2.28	-40.70	1.83	-246.06
	12	98	-0.43	-162.07	-2.28	40.70	1.59	2.95
		99	0.43	162.07	2.28	-40.70	1.83	-246.06
	13	98	-1.83	-32.48	0.59	31.31	-0.17	-26.63
		99	1.83	32.48	-0.59	-31.31	-0.71	-22.09
	14	98	-1.83	-32.48	0.59	31.31	-0.17	-26.63
		99	1.83	32.48	-0.59	-31.31	-0.71	-22.09
	15	98	2.42	-78.58	0.07	28.09	-0.05	-54.09
		99	-2.42	78.58	-0.07	-28.09	-0.06	-63.79
	16	98	2.42	-78.58	0.07	28.09	-0.05	-54.09
		99	-2.42	78.58	-0.07	-28.09	-0.06	-63.79
	17	98	2.44	-78.76	0.08	28.08	-0.06	-54.06
		99	-2.44	78.76	-0.08	-28.08	-0.06	-64.07

STAAD SPACE

-- PAGE NO. 203

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
18	98		2.44	-78.76	0.08	28.08	-0.06	-54.06
	99		-2.44	78.76	-0.08	-28.08	-0.06	-64.07
19	98		3.16	-46.13	0.32	25.89	0.02	-14.91
	99		-3.16	46.13	-0.32	-25.89	-0.51	-54.28
20	98		-1.84	-19.82	0.43	21.60	-0.08	-19.09
	99		1.84	19.82	-0.43	-21.60	-0.57	-10.64
21	98		2.44	-78.76	0.08	28.08	-0.06	-54.06
	99		-2.44	78.76	-0.08	-28.08	-0.06	-64.07
138	1	99	117.95	-2134.70	5.14	-47.48	-1.32	3543.68
	14		-117.95	2146.48	-5.14	47.48	-1.24	-4613.98
	2	99	4.81	105.81	5.52	-141.98	-1.64	-43.07
	14		-4.81	-105.81	-5.52	141.98	-1.12	95.97
	3	99	0.38	-0.11	1.31	7.62	-1.12	-11.26
	14		-0.38	0.11	-1.31	-7.62	0.46	11.21
	4	99	4.36	-61.67	-2.77	170.26	1.03	62.83
	14		-4.36	61.67	2.77	-170.26	0.35	-93.66
	5	99	-9.46	57.87	7.73	-215.62	-1.45	-55.87
	14		9.46	-57.87	-7.73	215.62	-2.41	84.81
	6	99	0.71	14.15	7.28	-147.82	-1.13	-40.16
	14		-0.71	-14.15	-7.28	147.82	-2.51	47.23
	7	99	-1.62	1.87	2.38	6.99	-0.97	-12.40
	14		1.62	-1.87	-2.38	-6.99	-0.22	13.34
	8	99	-1.62	1.87	2.38	6.99	-0.97	-12.40
	14		1.62	-1.87	-2.38	-6.99	-0.22	13.34
	9	99	43.22	-802.65	-0.76	23.68	0.13	1491.35
	14		-43.22	802.65	0.76	-23.68	0.24	-1892.68
	10	99	43.22	-802.65	-0.76	23.68	0.13	1491.35
	14		-43.22	802.65	0.76	-23.68	0.24	-1892.68
	11	99	14.57	-313.37	-28.18	513.15	7.26	178.09
	14		-14.57	313.37	28.18	-513.15	6.83	-334.78
	12	99	14.57	-313.37	-28.18	513.15	7.26	178.09
	14		-14.57	313.37	28.18	-513.15	6.83	-334.78
	13	99	-0.47	-0.45	5.57	-14.08	-1.77	-9.54
	14		0.47	0.45	-5.57	14.08	-1.01	9.32
	14	99	-0.47	-0.45	5.57	-14.08	-1.77	-9.54
	14		0.47	0.45	-5.57	14.08	-1.01	9.32
	15	99	9.92	-13.82	8.75	-80.66	-2.01	-0.26
	14		-9.92	13.82	-8.75	80.66	-2.36	-6.64
	16	99	9.92	-13.82	8.75	-80.66	-2.01	-0.26
	14		-9.92	13.82	-8.75	80.66	-2.36	-6.64
	17	99	9.97	-14.26	8.66	-80.55	-2.00	-0.15
	14		-9.97	14.26	-8.66	80.55	-2.34	-6.99
	18	99	9.97	-14.26	8.66	-80.55	-2.00	-0.15
	14		-9.97	14.26	-8.66	80.55	-2.34	-6.99

STAAD SPACE

-- PAGE NO. 204

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
19	99		11.21	-47.73	0.44	30.81	-0.52	8.18
	14		-11.21	47.73	-0.44	-30.81	0.30	-32.04
20	99		-1.62	1.87	2.38	6.99	-0.97	-12.40
	14		1.62	-1.87	-2.38	-6.99	-0.22	13.34
21	99		9.97	-14.26	8.66	-80.55	-2.00	-0.15
	14		-9.97	14.26	-8.66	80.55	-2.34	-6.99
140	1	100	-85.08	151.99	1.75	0.39	-2.53	1502.16
		101	85.08	-116.65	-1.75	-0.39	-0.10	-1300.68
	2	100	-9.34	-135.40	0.23	43.03	-0.25	-79.15
		101	9.34	135.40	-0.23	-43.03	-0.09	-123.95
	3	100	2.00	3.58	0.59	2.44	-0.84	-0.19
		101	-2.00	-3.58	-0.59	-2.44	-0.05	5.56
	4	100	-1.43	12.22	0.56	9.73	-0.74	14.64
		101	1.43	-12.22	-0.56	-9.73	-0.10	3.68
	5	100	-0.45	67.89	-0.21	-34.07	0.33	66.63
		101	0.45	-67.89	0.21	34.07	-0.01	35.21
	6	100	0.66	17.47	-0.43	-5.10	0.57	4.83
		101	-0.66	-17.47	0.43	5.10	0.08	21.38
	7	100	0.74	11.49	0.31	17.52	-0.41	11.89
		101	-0.74	-11.49	-0.31	-17.52	-0.05	5.35
	8	100	0.74	11.49	0.31	17.52	-0.41	11.89
		101	-0.74	-11.49	-0.31	-17.52	-0.05	5.35
	9	100	-36.12	42.47	0.10	9.91	-0.09	670.03
		101	36.12	-42.47	-0.10	-9.91	-0.06	-606.33
	10	100	-36.12	42.47	0.10	9.91	-0.09	670.03
		101	36.12	-42.47	-0.10	-9.91	-0.06	-606.33
	11	100	-11.01	-118.61	0.11	-112.15	-0.08	-34.88
		101	11.01	118.61	-0.11	112.15	-0.09	-143.04
	12	100	-11.01	-118.61	0.11	-112.15	-0.08	-34.88
		101	11.01	118.61	-0.11	112.15	-0.09	-143.04
	13	100	0.15	7.25	0.33	30.24	-0.48	4.03
		101	-0.15	-7.25	-0.33	-30.24	-0.01	6.84
	14	100	0.15	7.25	0.33	30.24	-0.48	4.03
		101	-0.15	-7.25	-0.33	-30.24	-0.01	6.84
	15	100	-1.26	-41.25	-0.25	35.50	0.23	-68.92
		101	1.26	41.25	0.25	-35.50	0.14	7.04
	16	100	-1.26	-41.25	-0.25	35.50	0.23	-68.92
		101	1.26	41.25	0.25	-35.50	0.14	7.04
	17	100	-1.24	-41.46	-0.24	35.52	0.22	-69.23
		101	1.24	41.46	0.24	-35.52	0.13	7.05
	18	100	-1.24	-41.46	-0.24	35.52	0.22	-69.23
		101	1.24	41.46	0.24	-35.52	0.13	7.05
	19	100	2.31	-49.29	0.40	23.21	-0.47	-66.94
		101	-2.31	49.29	-0.40	-23.21	-0.13	-7.00

STAAD SPACE

-- PAGE NO. 205

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
20	100		0.74	11.49	0.31	17.52	-0.41	11.89
	101		-0.74	-11.49	-0.31	-17.52	-0.05	5.35
21	100		-1.24	-41.46	-0.24	35.52	0.22	-69.23
	101		1.24	41.46	0.24	-35.52	0.13	7.05
142	1	101	-85.08	-116.65	-1.75	-0.39	0.10	1300.68
		102	85.08	151.99	1.75	0.39	2.53	-1502.16
	2	101	-9.70	-136.24	0.22	15.88	-0.35	210.36
		102	9.70	136.24	-0.22	-15.88	0.02	-414.72
	3	101	2.01	-4.46	-0.60	-4.21	0.05	-7.30
		102	-2.01	4.46	0.60	4.21	0.85	0.61
	4	101	-1.43	7.86	-0.28	32.22	-0.03	5.26
		102	1.43	-7.86	0.28	-32.22	0.45	6.52
	5	101	-1.05	28.51	0.29	-27.75	-0.15	-16.18
		102	1.05	-28.51	-0.29	27.75	-0.28	58.94
	6	101	0.67	-15.88	0.46	3.89	-0.11	-21.86
		102	-0.67	15.88	-0.46	-3.89	-0.58	-1.96
	7	101	0.23	-5.62	-0.19	17.19	0.00	-19.34
		102	-0.23	5.62	0.19	-17.19	0.29	10.91
	8	101	0.23	-5.62	-0.19	17.19	0.00	-19.34
		102	-0.23	5.62	0.19	-17.19	0.29	10.91
	9	101	-36.06	-30.39	0.05	9.61	-0.06	606.00
		102	36.06	30.39	-0.05	-9.61	-0.02	-651.58
	10	101	-36.06	-30.39	0.05	9.61	-0.06	606.00
		102	36.06	30.39	-0.05	-9.61	-0.02	-651.58
	11	101	-10.55	-199.68	-1.28	-35.89	0.81	49.33
		102	10.55	199.68	1.28	35.89	1.12	-348.85
	12	101	-10.55	-199.68	-1.28	-35.89	0.81	49.33
		102	10.55	199.68	1.28	35.89	1.12	-348.85
	13	101	-0.33	-19.12	-0.22	28.57	-0.01	-28.61
		102	0.33	19.12	0.22	-28.57	0.33	-0.07
	14	101	-0.33	-19.12	-0.22	28.57	-0.01	-28.61
		102	0.33	19.12	0.22	-28.57	0.33	-0.07
	15	101	-0.53	-69.82	0.17	35.38	0.01	-35.45
		102	0.53	69.82	-0.17	-35.38	-0.27	-69.28
	16	101	-0.53	-69.82	0.17	35.38	0.01	-35.45
		102	0.53	69.82	-0.17	-35.38	-0.27	-69.28
	17	101	-0.51	-70.36	0.18	35.57	0.00	-36.23
		102	0.51	70.36	-0.18	-35.57	-0.27	-69.31
	18	101	-0.51	-70.36	0.18	35.57	0.00	-36.23
		102	0.51	70.36	-0.18	-35.57	-0.27	-69.31
	19	101	3.13	-67.51	-0.15	22.30	-0.07	-36.92
		102	-3.13	67.51	0.15	-22.30	0.29	-64.35
	20	101	0.23	-5.62	-0.19	17.19	0.00	-19.34
		102	-0.23	5.62	0.19	-17.19	0.29	10.91

STAAD SPACE

-- PAGE NO. 206

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	21	101	-0.51	-70.36	0.18	35.57	0.00	-36.23
		102	0.51	70.36	-0.18	-35.57	-0.27	-69.31
144	1	102	-114.31	-295.11	-0.62	-18.47	1.98	1522.19
		15	114.31	318.67	0.62	18.47	-1.36	-1829.08
	2	102	-11.85	-232.24	6.52	-112.22	-2.62	490.93
		15	11.85	232.24	-6.52	112.22	-3.90	-723.16
	3	102	0.86	2.90	-1.27	2.05	0.93	-1.70
		15	-0.86	-2.90	1.27	-2.05	0.34	4.60
	4	102	-0.64	-14.51	-0.06	78.22	0.42	5.75
		15	0.64	14.51	0.06	-78.22	-0.36	-20.26
	5	102	-0.62	65.20	4.61	-81.71	-1.97	-52.58
		15	0.62	-65.20	-4.61	81.71	-2.64	117.78
	6	102	1.96	16.29	4.84	-70.85	-2.28	1.82
		15	-1.96	-16.29	-4.84	70.85	-2.56	14.47
	7	102	-0.05	9.85	-0.27	-6.23	0.15	-28.67
		15	0.05	-9.85	0.27	6.23	0.12	38.53
	8	102	-0.05	9.85	-0.27	-6.23	0.15	-28.67
		15	0.05	-9.85	0.27	6.23	0.12	38.53
	9	102	-52.96	-86.38	0.46	1.85	-0.20	550.64
		15	52.96	86.38	-0.46	-1.85	-0.26	-637.01
	10	102	-52.96	-86.38	0.46	1.85	-0.20	550.64
		15	52.96	86.38	-0.46	-1.85	-0.26	-637.01
	11	102	-10.01	-302.40	-16.99	380.08	8.09	249.10
		15	10.01	302.40	16.99	-380.08	8.90	-551.50
	12	102	-10.01	-302.40	-16.99	380.08	8.09	249.10
		15	10.01	302.40	16.99	-380.08	8.90	-551.50
	13	102	0.67	-1.15	1.18	-26.91	-0.45	-29.09
		15	-0.67	1.15	-1.18	26.91	-0.74	27.94
	14	102	0.67	-1.15	1.18	-26.91	-0.45	-29.09
		15	-0.67	1.15	-1.18	26.91	-0.74	27.94
	15	102	4.06	-66.08	4.15	-63.39	-1.95	33.61
		15	-4.06	66.08	-4.15	63.39	-2.20	-99.69
	16	102	4.06	-66.08	4.15	-63.39	-1.95	33.61
		15	-4.06	66.08	-4.15	63.39	-2.20	-99.69
	17	102	4.08	-66.83	4.20	-63.07	-1.97	32.49
		15	-4.08	66.83	-4.20	63.07	-2.23	-99.32
	18	102	4.08	-66.83	4.20	-63.07	-1.97	32.49
		15	-4.08	66.83	-4.20	63.07	-2.23	-99.32
	19	102	3.42	-61.43	-0.08	3.44	0.12	23.49
		15	-3.42	61.43	0.08	-3.44	-0.04	-84.91
	20	102	-0.05	9.85	-0.27	-6.23	0.15	-28.67
		15	0.05	-9.85	0.27	6.23	0.12	38.53
	21	102	4.08	-66.83	4.20	-63.07	-1.97	32.49
		15	-4.08	66.83	-4.20	63.07	-2.23	-99.32

STAAD SPACE

-- PAGE NO. 207

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
146	1	103	2.80	1021.46	0.14	6.40	0.48	3412.68
		104	-2.80	-986.12	-0.14	-6.40	-0.69	-1907.00
	2	103	5.41	242.96	-0.94	63.57	0.95	866.84
		104	-5.41	-242.96	0.94	-63.57	0.46	-502.40
	3	103	-1.54	-0.33	-0.81	-6.79	1.05	-6.8
		104	1.54	0.33	0.81	6.79	0.17	6.32
	4	103	-3.71	-8.06	0.34	20.84	-0.30	-10.83
		104	3.71	8.06	-0.34	-20.84	-0.20	-1.26
	5	103	2.03	72.56	0.01	-22.00	-0.04	52.76
		104	-2.03	-72.56	-0.01	22.00	0.02	56.08
	6	103	-3.76	44.38	0.49	18.91	-0.61	17.92
		104	3.76	-44.38	-0.49	-18.91	-0.13	48.64
	7	103	-0.74	12.70	-0.53	14.94	0.54	-6.96
		104	0.74	-12.70	0.53	-14.94	0.25	26.01
	8	103	-0.74	12.70	-0.53	14.94	0.54	-6.96
		104	0.74	-12.70	0.53	-14.94	0.25	26.01
	9	103	8.68	449.82	-0.08	9.97	0.11	1232.49
		104	-8.68	-449.82	0.08	-9.97	0.00	-557.75
	10	103	8.68	449.82	-0.08	9.97	0.11	1232.49
		104	-8.68	-449.82	0.08	-9.97	0.00	-557.75
	11	103	-1.26	172.23	3.17	-168.78	-2.54	523.18
		104	1.26	-172.23	-3.17	168.78	-2.22	-264.83
	12	103	-1.26	172.23	3.17	-168.78	-2.54	523.18
		104	1.26	-172.23	-3.17	168.78	-2.22	-264.83
13	103	-2.30	16.89	-0.69	29.69	0.60	-12.52	
	104	2.30	-16.89	0.69	-29.69	0.43	37.86	
14	103	-2.30	16.89	-0.69	29.69	0.60	-12.52	
	104	2.30	-16.89	0.69	-29.69	0.43	37.86	
15	103	-8.75	13.65	-0.02	50.43	-0.30	-30.75	
	104	8.75	-13.65	0.02	-50.43	0.33	51.22	
16	103	-8.75	13.65	-0.02	50.43	-0.30	-30.75	
	104	8.75	-13.65	0.02	-50.43	0.33	51.22	
17	103	-8.80	12.84	-0.04	50.65	-0.28	-32.51	
	104	8.80	-12.84	0.04	-50.65	0.33	51.77	
18	103	-8.80	12.84	-0.04	50.65	-0.28	-32.51	
	104	8.80	-12.84	0.04	-50.65	0.33	51.77	
19	103	-8.06	-25.28	-0.46	22.65	0.58	-65.39	
	104	8.06	25.28	0.46	-22.65	0.11	27.47	
20	103	-0.74	12.70	-0.53	14.94	0.54	-6.96	
	104	0.74	-12.70	0.53	-14.94	0.25	26.01	
21	103	-8.80	12.84	-0.04	50.65	-0.28	-32.51	
	104	8.80	-12.84	0.04	-50.65	0.33	51.77	
148	1	104	-8.73	708.71	0.75	1.53	-0.82	1714.36
		105	8.73	-673.36	-0.75	-1.53	-0.31	-677.81

STAAD SPACE

-- PAGE NO. 208

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
2	104		4.29	189.40	-0.26	39.97	0.23	448.84
	105		-4.29	-189.40	0.26	-39.97	0.17	-164.73
3	104		-0.77	5.94	-0.02	-3.32	0.08	2.70
	105		0.77	-5.94	0.02	3.32	-0.05	6.22
4	104		-3.40	-6.99	0.23	19.75	-0.23	-13.35
	105		3.40	6.99	-0.23	-19.75	-0.12	2.86
5	104		1.97	30.23	-0.07	-6.89	0.02	28.13
	105		-1.97	-30.23	0.07	6.89	0.09	17.21
6	104		-3.13	42.43	0.01	6.32	-0.15	35.82
	105		3.13	-42.43	-0.01	-6.32	0.14	27.82
7	104		-0.85	2.10	-0.24	10.41	0.19	-3.15
	105		0.85	-2.10	0.24	-10.41	0.18	6.30
8	104		-0.85	2.10	-0.24	10.41	0.19	-3.15
	105		0.85	-2.10	0.24	-10.41	0.18	6.30
9	104		3.16	153.13	0.00	8.23	-0.01	345.90
	105		-3.16	-153.13	0.00	-8.23	0.01	-116.21
10	104		3.16	153.13	0.00	8.23	-0.01	345.90
	105		-3.16	-153.13	0.00	-8.23	0.01	-116.21
11	104		-1.64	95.94	1.76	-92.44	-1.39	178.92
	105		1.64	-95.94	-1.76	92.44	-1.25	-35.02
12	104		-1.64	95.94	1.76	-92.44	-1.39	178.92
	105		1.64	-95.94	-1.76	92.44	-1.25	-35.02
13	104		-2.21	0.43	-0.44	19.88	0.30	-7.42
	105		2.21	-0.43	0.44	-19.88	0.35	8.07
14	104		-2.21	0.43	-0.44	19.88	0.30	-7.42
	105		2.21	-0.43	0.44	-19.88	0.35	8.07
15	104		-7.61	22.52	-0.48	23.69	0.20	8.28
	105		7.61	-22.52	0.48	-23.69	0.51	25.50
16	104		-7.61	22.52	-0.48	23.69	0.20	8.28
	105		7.61	-22.52	0.48	-23.69	0.51	25.50
17	104		-7.65	21.77	-0.48	24.22	0.21	7.01
	105		7.65	-21.77	0.48	-24.22	0.51	25.65
18	104		-7.65	21.77	-0.48	24.22	0.21	7.01
	105		7.65	-21.77	0.48	-24.22	0.51	25.65
19	104		-6.67	1.88	-0.08	11.80	0.06	-15.00
	105		6.67	-1.88	0.08	-11.80	0.06	17.82
20	104		-0.85	2.10	-0.24	10.41	0.19	-3.15
	105		0.85	-2.10	0.24	-10.41	0.18	6.30
21	104		-7.65	21.77	-0.48	24.22	0.21	7.01
	105		7.65	-21.77	0.48	-24.22	0.51	25.65
150	1	105	-10.05	403.95	0.16	-1.28	-0.31	556.06
		16	10.05	-368.60	-0.16	1.28	0.07	23.35
	2	105	4.59	104.87	-0.09	19.83	0.07	124.73
		16	-4.59	-104.87	0.09	-19.83	0.06	32.57

STAAD SPACE

-- PAGE NO. 209

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
3	105		-0.27	7.77	0.09	1.62	-0.06	7.32
	16		0.27	-7.77	-0.09	-1.62	-0.07	4.34
4	105		-3.37	-4.66	0.11	14.28	-0.14	-11.98
	16		3.37	4.66	-0.11	-14.28	-0.02	4.98
5	105		2.30	25.07	-0.18	-15.19	0.10	29.40
	16		-2.30	-25.07	0.18	15.19	0.16	8.20
6	105		-2.22	42.69	-0.17	-17.49	0.07	48.77
	16		2.22	-42.69	0.17	17.49	0.19	15.26
7	105		-0.91	5.32	-0.13	-0.65	0.10	7.00
	16		0.91	-5.32	0.13	0.65	0.09	0.98
8	105		-0.91	5.32	-0.13	-0.65	0.10	7.00
	16		0.91	-5.32	0.13	0.65	0.09	0.98
9	105		0.75	3.89	-0.01	4.12	0.00	-55.42
	16		-0.75	-3.89	0.01	-4.12	0.01	61.27
10	105		0.75	3.89	-0.01	4.12	0.00	-55.42
	16		-0.75	-3.89	0.01	-4.12	0.01	61.27
11	105		-1.04	40.60	0.71	-29.24	-0.58	-2.98
	16		1.04	-40.60	-0.71	29.24	-0.49	63.88
12	105		-1.04	40.60	0.71	-29.24	-0.58	-2.98
	16		1.04	-40.60	-0.71	29.24	-0.49	63.88
13	105		-2.09	6.42	-0.26	-1.67	0.19	8.63
	16		2.09	-6.42	0.26	1.67	0.21	1.00
14	105		-2.09	6.42	-0.26	-1.67	0.19	8.63
	16		2.09	-6.42	0.26	1.67	0.21	1.00
15	105		-6.62	33.79	-0.43	-13.68	0.28	38.11
	16		6.62	-33.79	0.43	13.68	0.37	12.58
16	105		-6.62	33.79	-0.43	-13.68	0.28	38.11
	16		6.62	-33.79	0.43	13.68	0.37	12.58
17	105		-6.65	33.37	-0.43	-13.29	0.28	37.36
	16		6.65	-33.37	0.43	13.29	0.37	12.70
18	105		-6.65	33.37	-0.43	-13.29	0.28	37.36
	16		6.65	-33.37	0.43	13.29	0.37	12.70
19	105		-5.76	15.35	-0.06	-0.84	0.02	14.59
	16		5.76	-15.35	0.06	0.84	0.07	8.44
20	105		-0.91	5.32	-0.13	-0.65	0.10	7.00
	16		0.91	-5.32	0.13	0.65	0.09	0.98
21	105		-6.65	33.37	-0.43	-13.29	0.28	37.36
	16		6.65	-33.37	0.43	13.29	0.37	12.70
153	1	107	74.47	120.20	-0.04	-11.21	0.33	114.75
		17	-74.47	233.23	0.04	11.21	0.32	-962.47
	2	107	38.16	0.87	-0.03	1.21	0.62	-47.36
		17	-38.16	-0.87	0.03	-1.21	-0.14	60.48
	3	107	1.02	-0.12	0.00	-0.05	0.02	1.54
		17	-1.02	0.12	0.00	0.05	0.01	-3.28

STAAD SPACE

-- PAGE NO. 210

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
4	107		-9.91	-2.79	0.00	-19.28	-0.20	-39.18
	17		9.91	2.79	0.00	19.28	0.22	-2.70
5	107		34.96	-4.26	0.00	-112.95	0.34	350.99
	17		-34.96	4.26	0.00	112.95	-0.33	-414.88
6	107		15.12	-4.08	0.02	-108.94	-0.01	315.64
	17		-15.12	4.08	-0.02	108.94	-0.24	-376.80
7	107		4.32	0.42	0.02	14.18	-0.08	68.64
	17		-4.32	-0.42	-0.02	-14.18	-0.15	-62.36
8	107		4.32	0.42	0.02	14.18	-0.08	68.64
	17		-4.32	-0.42	-0.02	-14.18	-0.15	-62.36
9	107		1.84	-12.39	0.01	82.64	-0.10	-123.80
	17		-1.84	12.39	-0.01	-82.64	0.01	-62.04
10	107		1.84	-12.39	0.01	82.64	-0.10	-123.80
	17		-1.84	12.39	-0.01	-82.64	0.01	-62.04
11	107		28.18	-2.83	-0.01	-41.68	0.12	-10.50
	17		-28.18	2.83	0.01	41.68	-0.02	-31.89
12	107		28.18	-2.83	-0.01	-41.68	0.12	-10.50
	17		-28.18	2.83	0.01	41.68	-0.02	-31.89
13	107		7.07	0.79	0.03	23.37	-0.19	121.83
	17		-7.07	-0.79	-0.03	-23.37	-0.27	-110.04
14	107		7.07	0.79	0.03	23.37	-0.19	121.83
	17		-7.07	-0.79	-0.03	-23.37	-0.27	-110.04
15	107		-3.74	0.19	0.06	9.72	-0.59	264.25
	17		3.74	-0.19	-0.06	-9.72	-0.38	-261.35
16	107		-3.74	0.19	0.06	9.72	-0.59	264.25
	17		3.74	-0.19	-0.06	-9.72	-0.38	-261.35
17	107		-4.36	0.18	0.06	9.70	-0.59	264.05
	17		4.36	-0.18	-0.06	-9.70	-0.36	-261.36
18	107		-4.36	0.18	0.06	9.70	-0.59	264.05
	17		4.36	-0.18	-0.06	-9.70	-0.36	-261.36
19	107		-29.16	0.22	0.01	16.19	-0.46	38.97
	17		29.16	-0.22	-0.01	-16.19	0.24	-35.62
20	107		4.32	0.42	0.02	14.18	-0.08	68.64
	17		-4.32	-0.42	-0.02	-14.18	-0.15	-62.36
21	107		-4.36	0.18	0.06	9.70	-0.59	264.05
	17		4.36	-0.18	-0.06	-9.70	-0.36	-261.36
163	1	116	74.47	120.20	0.04	11.21	-0.33	114.75
		20	-74.47	233.23	-0.04	-11.21	-0.32	-962.47
	2	116	-31.35	-12.47	0.00	-9.61	0.43	-195.54
		20	31.35	12.47	0.00	9.61	-0.40	8.47
	3	116	0.13	-0.16	0.00	0.05	-0.01	0.97
		20	-0.13	0.16	0.00	-0.05	-0.02	-3.39
	4	116	23.15	0.67	0.01	5.08	-0.25	5.25
		20	-23.15	-0.67	-0.01	-5.08	0.09	4.82

STAAD SPACE

-- PAGE NO. 211

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
5	116		-4.56	-0.58	-0.06	2.81	0.57	271.57
	20		4.56	0.58	0.06	-2.81	0.34	-280.23
6	116		14.97	-4.39	-0.02	104.47	0.04	311.70
	20		-14.97	4.39	0.02	-104.47	0.27	-377.51
7	116		3.86	-0.88	-0.01	19.29	0.03	108.24
	20		-3.86	0.88	0.01	-19.29	0.09	-121.48
8	116		3.86	-0.88	-0.01	19.29	0.03	108.24
	20		-3.86	0.88	0.01	-19.29	0.09	-121.48
9	116		3.79	-9.56	-0.01	-76.17	0.08	-94.68
	20		-3.79	9.56	0.01	76.17	0.02	-48.71
10	116		3.79	-9.56	-0.01	-76.17	0.08	-94.68
	20		-3.79	9.56	0.01	76.17	0.02	-48.71
11	116		14.42	-37.13	0.01	42.50	0.05	-238.95
	20		-14.42	37.13	-0.01	-42.50	-0.13	-317.95
12	116		14.42	-37.13	0.01	42.50	0.05	-238.95
	20		-14.42	37.13	-0.01	-42.50	-0.13	-317.95
13	116		8.81	-1.35	-0.01	31.79	0.00	188.96
	20		-8.81	1.35	0.01	-31.79	0.12	-209.22
14	116		8.81	-1.35	-0.01	31.79	0.00	188.96
	20		-8.81	1.35	0.01	-31.79	0.12	-209.22
15	116		34.21	-4.15	0.00	114.58	-0.34	358.52
	20		-34.21	4.15	0.00	-114.58	0.31	-420.70
16	116		34.21	-4.15	0.00	114.58	-0.34	358.52
	20		-34.21	4.15	0.00	-114.58	0.31	-420.70
17	116		34.82	-4.36	0.00	113.54	-0.34	357.29
	20		-34.82	4.36	0.00	-113.54	0.32	-422.68
18	116		34.82	-4.36	0.00	113.54	-0.34	357.29
	20		-34.82	4.36	0.00	-113.54	0.32	-422.68
19	116		36.02	-4.68	0.01	72.12	-0.45	107.39
	20		-36.02	4.68	-0.01	-72.12	0.36	-177.63
20	116		3.86	-0.88	-0.01	19.29	0.03	108.24
	20		-3.86	0.88	0.01	-19.29	0.09	-121.48
21	116		34.82	-4.36	0.00	113.54	-0.34	357.29
	20		-34.82	4.36	0.00	-113.54	0.32	-422.68
165	1	117	-7.86	-597.66	-3.73	31.39	2.08	745.49
		118	7.86	633.01	3.73	-31.39	3.51	-1668.49
2	117		-2.51	-4.48	0.56	8.45	-0.49	-1.75
		118	2.51	4.48	-0.56	-8.45	-0.35	-4.97
3	117		-0.30	0.46	-0.07	-0.59	0.03	0.71
		118	0.30	-0.46	0.07	0.59	0.08	-0.01
4	117		0.83	-16.19	0.11	-8.58	-0.12	-22.16
		118	-0.83	16.19	-0.11	8.58	-0.05	-2.12
5	117		-4.42	-159.64	-4.04	187.70	2.54	145.40
		118	4.42	159.64	4.04	-187.70	3.53	-384.86

STAAD SPACE

-- PAGE NO. 212

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
6	117		-2.53	-129.78	-3.99	183.69	2.58	190.83
	118		2.53	129.78	3.99	-183.69	3.41	-385.50
7	117		-1.67	24.65	-0.87	-31.15	0.57	-8.87
	118		1.67	-24.65	0.87	31.15	0.73	45.84
8	117		-1.67	24.65	-0.87	-31.15	0.57	-8.87
	118		1.67	-24.65	0.87	31.15	0.73	45.84
9	117		-0.34	-74.02	1.03	-68.91	-0.58	30.97
	118		0.34	74.02	-1.03	68.91	-0.97	-142.00
10	117		-0.34	-74.02	1.03	-68.91	-0.58	30.97
	118		0.34	74.02	-1.03	68.91	-0.97	-142.00
11	117		-3.66	14.39	-0.19	1.12	-0.01	-50.70
	118		3.66	-14.39	0.19	-1.12	0.29	72.28
12	117		-3.66	14.39	-0.19	1.12	-0.01	-50.70
	118		3.66	-14.39	0.19	-1.12	0.29	72.28
13	117		-3.07	38.93	-1.52	-51.95	1.01	-16.58
	118		3.07	-38.93	1.52	51.95	1.27	74.98
14	117		-3.07	38.93	-1.52	-51.95	1.01	-16.58
	118		3.07	-38.93	1.52	51.95	1.27	74.98
15	117		-3.43	16.16	-3.38	-29.57	2.31	-33.72
	118		3.43	-16.16	3.38	29.57	2.77	57.97
16	117		-3.43	16.16	-3.38	-29.57	2.31	-33.72
	118		3.43	-16.16	3.38	29.57	2.77	57.97
17	117		-3.33	16.03	-3.39	-29.53	2.31	-33.65
	118		3.33	-16.03	3.39	29.53	2.77	57.69
18	117		-3.33	16.03	-3.39	-29.53	2.31	-33.65
	118		3.33	-16.03	3.39	29.53	2.77	57.69
19	117		2.41	37.91	-1.26	-27.94	0.89	18.67
	118		-2.41	-37.91	1.26	27.94	1.00	38.20
20	117		-1.67	24.65	-0.87	-31.15	0.57	-8.87
	118		1.67	-24.65	0.87	31.15	0.73	45.84
21	117		-3.33	16.03	-3.39	-29.53	2.31	-33.65
	118		3.33	-16.03	3.39	29.53	2.77	57.69
167	1	118	8.57	-874.37	-1.06	43.34	3.10	2062.79
		119	-8.57	909.71	1.06	-43.34	-1.51	-3400.85
2	118		-0.72	-8.45	1.27	-14.63	-0.72	-19.81
		119	0.72	8.45	-1.27	14.63	-1.19	7.14
3	118		-0.89	0.98	0.24	-1.73	0.03	1.51
		119	0.89	-0.98	-0.24	1.73	-0.39	-0.04
4	118		0.67	-75.18	0.36	-39.70	-0.29	15.53
		119	-0.67	75.18	-0.36	39.70	-0.25	-128.30
5	118		0.62	-224.42	-7.16	291.97	4.81	499.27
		119	-0.62	224.42	7.16	-291.97	5.93	-835.90
6	118		2.70	-172.16	-6.62	265.02	4.68	538.52
		119	-2.70	172.16	6.62	-265.02	5.25	-796.75

STAAD SPACE

-- PAGE NO. 213

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
7	118		-1.95	43.28	-1.42	-12.29	1.06	-5.50
	119		1.95	-43.28	1.42	12.29	1.06	70.42
8	118		-1.95	43.28	-1.42	-12.29	1.06	-5.50
	119		1.95	-43.28	1.42	12.29	1.06	70.42
9	118		1.02	-66.49	2.96	-61.86	-1.32	98.30
	119		-1.02	66.49	-2.96	61.86	-3.12	-198.03
10	118		1.02	-66.49	2.96	-61.86	-1.32	98.30
	119		-1.02	66.49	-2.96	61.86	-3.12	-198.03
11	118		-1.41	39.54	0.09	-37.78	0.08	68.61
	119		1.41	-39.54	-0.09	37.78	-0.22	-9.30
12	118		-1.41	39.54	0.09	-37.78	0.08	68.61
	119		1.41	-39.54	-0.09	37.78	-0.22	-9.30
13	118		-3.52	69.71	-2.55	-19.90	1.85	-11.49
	119		3.52	-69.71	2.55	19.90	1.97	116.05
14	118		-3.52	69.71	-2.55	-19.90	1.85	-11.49
	119		3.52	-69.71	2.55	19.90	1.97	116.05
15	118		-2.13	53.72	-5.51	94.07	4.02	74.44
	119		2.13	-53.72	5.51	-94.07	4.24	6.13
16	118		-2.13	53.72	-5.51	94.07	4.02	74.44
	119		2.13	-53.72	5.51	-94.07	4.24	6.13
17	118		-1.99	53.55	-5.52	94.03	4.03	74.67
	119		1.99	-53.55	5.52	-94.03	4.25	5.65
18	118		-1.99	53.55	-5.52	94.03	4.03	74.67
	119		1.99	-53.55	5.52	-94.03	4.25	5.65
19	118		3.37	71.63	-1.48	-24.59	1.36	13.64
	119		-3.37	-71.63	1.48	24.59	0.87	93.80
20	118		-1.95	43.28	-1.42	-12.29	1.06	-5.50
	119		1.95	-43.28	1.42	12.29	1.06	70.42
21	118		-1.99	53.55	-5.52	94.03	4.03	74.67
	119		1.99	-53.55	5.52	-94.03	4.25	5.65
169	1	119	126.56	-2198.01	-5.82	300.74	1.49	3676.76
		18	-126.56	2209.79	5.82	-300.74	1.41	-4778.72
	2	119	6.48	23.10	3.69	-155.86	-1.76	-6.68
		18	-6.48	-23.10	-3.69	155.86	-0.08	18.23
	3	119	0.25	-0.42	1.35	-8.50	-0.60	1.14
		18	-0.25	0.42	-1.35	8.50	-0.08	-1.35
	4	119	3.95	-481.11	15.06	-200.05	-3.11	104.72
		18	-3.95	481.11	-15.06	200.05	-4.41	-345.27
	5	119	27.40	-681.33	-74.58	1621.45	20.69	850.50
		18	-27.40	681.33	74.58	-1621.45	16.60	-1191.17
	6	119	33.72	-529.98	-62.70	1426.82	17.65	903.50
		18	-33.72	529.98	62.70	-1426.82	13.70	-1168.49
	7	119	1.03	-1.32	-14.77	273.95	4.04	-38.29
		18	-1.03	1.32	14.77	-273.95	3.34	37.63

STAAD SPACE

-- PAGE NO. 214

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
8	119		1.03	-1.32	-14.77	273.95	4.04	-38.29
	18		-1.03	1.32	14.77	-273.95	3.34	37.63
9	119		7.34	-123.06	11.84	-238.25	-4.99	144.66
	18		-7.34	123.06	-11.84	238.25	-0.93	-206.19
10	119		7.34	-123.06	11.84	-238.25	-4.99	144.66
	18		-7.34	123.06	-11.84	238.25	-0.93	-206.19
11	119		15.98	-120.71	6.39	-149.57	-1.27	155.96
	18		-15.98	120.71	-6.39	149.57	-1.92	-216.31
12	119		15.98	-120.71	6.39	-149.57	-1.27	155.96
	18		-15.98	120.71	-6.39	149.57	-1.92	-216.31
13	119		0.83	-7.14	-24.60	471.61	6.93	-69.44
	18		-0.83	7.14	24.60	-471.61	5.37	65.87
14	119		0.83	-7.14	-24.60	471.61	6.93	-69.44
	18		-0.83	7.14	24.60	-471.61	5.37	65.87
15	119		14.61	-152.06	-50.29	1084.77	14.27	117.74
	18		-14.61	152.06	50.29	-1084.77	10.87	-193.77
16	119		14.61	-152.06	-50.29	1084.77	14.27	117.74
	18		-14.61	152.06	50.29	-1084.77	10.87	-193.77
17	119		14.81	-147.98	-50.24	1084.00	14.27	118.45
	18		-14.81	147.98	50.24	-1084.00	10.85	-192.45
18	119		14.81	-147.98	-50.24	1084.00	14.27	118.45
	18		-14.81	147.98	50.24	-1084.00	10.85	-192.45
19	119		12.46	92.03	-4.74	127.79	1.76	-11.12
	18		-12.46	-92.03	4.74	-127.79	0.61	57.14
20	119		1.03	-1.32	-14.77	273.95	4.04	-38.29
	18		-1.03	1.32	14.77	-273.95	3.34	37.63
21	119		14.81	-147.98	-50.24	1084.00	14.27	118.45
	18		-14.81	147.98	50.24	-1084.00	10.85	-192.45
171	1	120	-96.24	103.76	6.55	12.01	-9.58	1509.26
		121	96.24	-68.42	-6.55	-12.01	-0.25	-1380.13
2	120		-9.22	-169.23	0.66	49.14	-0.81	-84.56
	121		9.22	169.23	-0.66	-49.14	-0.18	-169.29
3	120		0.64	0.35	0.22	0.83	-0.33	0.73
	121		-0.64	-0.35	-0.22	-0.83	-0.01	-0.21
4	120		-0.65	33.13	0.00	4.76	-0.33	-23.09
	121		0.65	-33.13	0.00	-4.76	0.33	72.78
5	120		-19.40	75.94	3.05	22.09	-2.92	346.77
	121		19.40	-75.94	-3.05	-22.09	-1.65	-232.86
6	120		-27.71	-13.66	1.76	-48.89	-1.93	366.42
	121		27.71	13.66	-1.76	48.89	-0.71	-386.91
7	120		-2.44	-18.54	0.30	-73.23	-0.47	-41.68
	121		2.44	18.54	-0.30	73.23	0.03	13.86
8	120		-2.44	-18.54	0.30	-73.23	-0.47	-41.68
	121		2.44	18.54	-0.30	73.23	0.03	13.86

STAAD SPACE

-- PAGE NO. 215

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
9	120		-2.11	-10.74	1.03	-3.93	-1.57	71.39
	121		2.11	10.74	-1.03	3.93	0.02	-87.51
10	120		-2.11	-10.74	1.03	-3.93	-1.57	71.39
	121		2.11	10.74	-1.03	3.93	0.02	-87.51
11	120		-15.95	-70.98	0.25	-8.23	-0.75	-6.46
	121		15.95	70.98	-0.25	8.23	0.37	-100.01
12	120		-15.95	-70.98	0.25	-8.23	-0.75	-6.46
	121		15.95	70.98	-0.25	8.23	0.37	-100.01
13	120		-4.33	-21.91	0.41	-125.20	-0.74	-64.70
	121		4.33	21.91	-0.41	125.20	0.13	31.83
14	120		-4.33	-21.91	0.41	-125.20	-0.74	-64.70
	121		4.33	21.91	-0.41	125.20	0.13	31.83
15	120		-17.15	-86.99	0.51	-189.07	-1.11	-18.04
	121		17.15	86.99	-0.51	189.07	0.34	-112.44
16	120		-17.15	-86.99	0.51	-189.07	-1.11	-18.04
	121		17.15	86.99	-0.51	189.07	0.34	-112.44
17	120		-16.98	-85.85	0.50	-189.02	-1.10	-17.53
	121		16.98	85.85	-0.50	189.02	0.34	-111.25
18	120		-16.98	-85.85	0.50	-189.02	-1.10	-17.53
	121		16.98	85.85	-0.50	189.02	0.34	-111.25
19	120		-5.42	-78.91	-0.81	-103.58	0.50	-81.26
	121		5.42	78.91	0.81	103.58	0.71	-37.10
20	120		-2.44	-18.54	0.30	-73.23	-0.47	-41.68
	121		2.44	18.54	-0.30	73.23	0.03	13.86
21	120		-16.98	-85.85	0.50	-189.02	-1.10	-17.53
	121		16.98	85.85	-0.50	189.02	0.34	-111.25
173	1	121	-96.24	-68.42	-6.55	-12.01	0.25	1380.13
		122	96.24	103.76	6.55	12.01	9.58	-1509.26
2	121		-9.09	-200.23	-0.22	17.89	-0.39	149.82
	122		9.09	200.23	0.22	-17.89	0.72	-450.17
3	121		0.66	-0.21	-0.22	-0.40	0.00	0.68
	122		-0.66	0.21	0.22	0.40	0.32	-0.99
4	121		-0.63	-37.32	-0.29	-26.97	0.00	-80.51
	122		0.63	37.32	0.29	26.97	0.43	24.54
5	121		-18.09	83.52	-0.68	185.98	-0.21	144.93
	122		18.09	-83.52	0.68	-185.98	1.22	-19.65
6	121		-27.60	23.62	-1.72	51.74	0.68	385.24
	122		27.60	-23.62	1.72	-51.74	1.90	-349.81
7	121		-2.71	-19.89	-1.03	-7.18	0.50	22.00
	122		2.71	19.89	1.03	7.18	1.05	-51.83
8	121		-2.71	-19.89	-1.03	-7.18	0.50	22.00
	122		2.71	19.89	1.03	7.18	1.05	-51.83
9	121		-2.05	15.75	-1.15	-9.73	0.07	82.04
	122		2.05	-15.75	1.15	9.73	1.66	-58.41

STAAD SPACE

-- PAGE NO. 216

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
10	121		-2.05	15.75	-1.15	-9.73	0.07	82.04
	122		2.05	-15.75	1.15	9.73	1.66	-58.41
11	121		-15.97	-69.86	-1.21	-35.36	0.19	244.62
	122		15.97	69.86	1.21	35.36	1.62	-349.41
12	121		-15.97	-69.86	-1.21	-35.36	0.19	244.62
	122		15.97	69.86	1.21	35.36	1.62	-349.41
13	121		-5.03	-33.36	-1.81	-11.37	0.89	27.29
	122		5.03	33.36	1.81	11.37	1.82	-77.33
14	121		-5.03	-33.36	-1.81	-11.37	0.89	27.29
	122		5.03	33.36	1.81	11.37	1.82	-77.33
15	121		-18.62	-95.44	-3.28	-54.41	1.80	215.38
	122		18.62	95.44	3.28	54.41	3.12	-358.55
16	121		-18.62	-95.44	-3.28	-54.41	1.80	215.38
	122		18.62	95.44	3.28	54.41	3.12	-358.55
17	121		-18.39	-90.71	-3.28	-54.50	1.80	214.86
	122		18.39	90.71	3.28	54.50	3.11	-350.92
18	121		-18.39	-90.71	-3.28	-54.50	1.80	214.86
	122		18.39	90.71	3.28	54.50	3.11	-350.92
19	121		-5.25	-59.23	-1.36	-78.99	1.02	144.92
	122		5.25	59.23	1.36	78.99	1.02	-233.76
20	121		-2.71	-19.89	-1.03	-7.18	0.50	22.00
	122		2.71	19.89	1.03	7.18	1.05	-51.83
21	121		-18.39	-90.71	-3.28	-54.50	1.80	214.86
	122		18.39	90.71	3.28	54.50	3.11	-350.92
175	1	122	-111.73	-320.11	-13.24	146.15	12.14	1542.38
		19	111.73	343.67	13.24	-146.15	1.10	-1874.27
	2	122	-13.96	-264.78	7.94	-117.42	-2.64	386.21
		19	13.96	264.78	-7.94	117.42	-5.30	-651.00
	3	122	0.19	0.41	0.02	-4.05	0.15	1.33
		19	-0.19	-0.41	-0.02	4.05	-0.17	-0.92
	4	122	0.70	-56.30	3.95	-114.20	-1.41	-20.21
		19	-0.70	56.30	-3.95	114.20	-2.55	-36.09
	5	122	-10.68	36.23	-21.63	764.65	10.87	-1.84
		19	10.68	-36.23	21.63	-764.65	10.77	38.08
	6	122	-25.52	-21.28	-26.74	664.12	13.24	374.59
		19	25.52	21.28	26.74	-664.12	13.50	-395.87
	7	122	0.59	-61.85	-10.63	224.36	5.25	102.14
		19	-0.59	61.85	10.63	-224.36	5.38	-163.99
	8	122	0.59	-61.85	-10.63	224.36	5.25	102.14
		19	-0.59	61.85	10.63	-224.36	5.38	-163.99
	9	122	-5.38	56.53	0.41	-56.04	0.45	103.21
		19	5.38	-56.53	-0.41	56.04	-0.86	-46.68
	10	122	-5.38	56.53	0.41	-56.04	0.45	103.21
		19	5.38	-56.53	-0.41	56.04	-0.86	-46.68

STAAD SPACE

-- PAGE NO. 217

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
11	122		-11.19	-259.91	1.53	-83.95	0.70	513.95
	19		11.19	259.91	-1.53	83.95	-2.23	-773.85
12	122		-11.19	-259.91	1.53	-83.95	0.70	513.95
	19		11.19	259.91	-1.53	83.95	-2.23	-773.85
13	122		0.58	-139.43	-17.51	383.74	8.79	153.57
	19		-0.58	139.43	17.51	-383.74	8.72	-293.00
14	122		0.58	-139.43	-17.51	383.74	8.79	153.57
	19		-0.58	139.43	17.51	-383.74	8.72	-293.00
15	122		-11.88	-258.39	-34.15	723.07	16.89	475.57
	19		11.88	258.39	34.15	-723.07	17.26	-733.96
16	122		-11.88	-258.39	-34.15	723.07	16.89	475.57
	19		11.88	258.39	34.15	-723.07	17.26	-733.96
17	122		-11.48	-252.39	-34.14	722.46	16.88	470.21
	19		11.48	252.39	34.14	-722.46	17.26	-722.60
18	122		-11.48	-252.39	-34.14	722.46	16.88	470.21
	19		11.48	252.39	34.14	-722.46	17.26	-722.60
19	122		-3.52	-114.59	-12.77	133.41	5.97	350.53
	19		3.52	114.59	12.77	-133.41	6.79	-465.12
20	122		0.59	-61.85	-10.63	224.36	5.25	102.14
	19		-0.59	61.85	10.63	-224.36	5.38	-163.99
21	122		-11.48	-252.39	-34.14	722.46	16.88	470.21
	19		11.48	252.39	34.14	-722.46	17.26	-722.60
177	1	123	8.57	909.70	1.06	-43.34	1.51	3400.85
		124	-8.57	-874.36	-1.06	43.34	-3.10	-2062.80
	2	123	4.37	260.18	-1.45	77.97	1.66	729.70
		124	-4.37	-260.18	1.45	-77.97	0.52	-339.43
	3	123	-0.87	-0.44	-0.24	2.14	0.40	0.94
		124	0.87	0.44	0.24	-2.14	-0.03	-1.61
	4	123	-2.74	-7.49	-0.22	8.51	-0.03	-20.16
		124	2.74	7.49	0.22	-8.51	0.36	8.92
	5	123	-1.33	-21.72	5.69	-125.01	-4.40	81.74
		124	1.33	21.72	-5.69	125.01	-4.14	-114.32
	6	123	2.25	160.63	6.60	-259.85	-5.23	757.95
		124	-2.25	-160.63	-6.60	259.85	-4.67	-517.00
	7	123	-0.56	60.81	1.86	-100.37	-1.38	149.59
		124	0.56	-60.81	-1.86	100.37	-1.41	-58.37
	8	123	-0.56	60.81	1.86	-100.37	-1.38	149.59
		124	0.56	-60.81	-1.86	100.37	-1.41	-58.37
	9	123	0.62	51.87	-2.88	46.97	3.04	159.13
		124	-0.62	-51.87	2.88	-46.97	1.28	-81.33
	10	123	0.62	51.87	-2.88	46.97	3.04	159.13
		124	-0.62	-51.87	2.88	-46.97	1.28	-81.33
	11	123	0.75	250.67	0.62	-22.40	-0.40	877.78
		124	-0.75	-250.67	-0.62	22.40	-0.53	-501.78

STAAD SPACE

-- PAGE NO. 218

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
12	123		0.75	250.67	0.62	-22.40	-0.40	877.78
	124		-0.75	-250.67	-0.62	22.40	-0.53	-501.78
13	123		-0.55	108.25	3.41	-170.66	-2.67	259.95
	124		0.55	-108.25	-3.41	170.66	-2.44	-97.57
14	123		-0.55	108.25	3.41	-170.66	-2.67	259.95
	124		0.55	-108.25	-3.41	170.66	-2.44	-97.57
15	123		0.73	249.19	7.24	-299.35	-6.00	865.08
	124		-0.73	-249.19	-7.24	299.35	-4.86	-491.29
16	123		0.73	249.19	7.24	-299.35	-6.00	865.08
	124		-0.73	-249.19	-7.24	299.35	-4.86	-491.29
17	123		0.52	242.85	7.25	-299.22	-6.01	848.84
	124		-0.52	-242.85	-7.25	299.22	-4.87	-484.56
18	123		0.52	242.85	7.25	-299.22	-6.01	848.84
	124		-0.52	-242.85	-7.25	299.22	-4.87	-484.56
19	123		-2.42	148.54	2.85	-160.56	-2.37	459.38
	124		2.42	-148.54	-2.85	160.56	-1.91	-236.57
20	123		-0.56	60.81	1.86	-100.37	-1.38	149.59
	124		0.56	-60.81	-1.86	100.37	-1.41	-58.37
21	123		0.52	242.85	7.25	-299.22	-6.01	848.84
	124		-0.52	-242.85	-7.25	299.22	-4.87	-484.56
179	1	124	-7.86	633.02	3.73	-31.38	-3.51	1668.50
		125	7.86	-597.68	-3.73	31.38	-2.08	-745.48
	2	124	3.52	123.27	-0.20	61.43	0.24	252.79
		125	-3.52	-123.27	0.20	-61.43	0.06	-67.89
	3	124	-0.25	-0.13	0.08	0.84	-0.08	0.46
		125	0.25	0.13	-0.08	-0.84	-0.04	-0.66
	4	124	-2.50	-3.03	-0.24	-7.54	0.06	-12.71
		125	2.50	3.03	0.24	7.54	0.30	8.17
	5	124	-3.08	4.93	3.49	-0.24	-2.87	-19.16
		125	3.08	-4.93	-3.49	0.24	-2.37	26.56
	6	124	-2.75	125.19	3.98	-178.71	-3.39	368.13
		125	2.75	-125.19	-3.98	178.71	-2.58	-180.35
	7	124	-1.22	45.82	1.22	-33.67	-1.02	37.93
		125	1.22	-45.82	-1.22	33.67	-0.81	30.80
	8	124	-1.22	45.82	1.22	-33.67	-1.02	37.93
		125	1.22	-45.82	-1.22	33.67	-0.81	30.80
	9	124	-0.65	64.89	-1.00	56.66	0.93	122.47
		125	0.65	-64.89	1.00	-56.66	0.56	-25.13
	10	124	-0.65	64.89	-1.00	56.66	0.93	122.47
		125	0.65	-64.89	1.00	-56.66	0.56	-25.13
	11	124	-2.21	195.88	0.63	-36.10	-0.67	427.44
		125	2.21	-195.88	-0.63	36.10	-0.27	-133.62
	12	124	-2.21	195.88	0.63	-36.10	-0.67	427.44
		125	2.21	-195.88	-0.63	36.10	-0.27	-133.62

STAAD SPACE

-- PAGE NO. 219

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
13	124		-2.05	75.89	2.09	-54.97	-1.78	60.37
	125		2.05	-75.89	-2.09	54.97	-1.36	53.47
14	124		-2.05	75.89	2.09	-54.97	-1.78	60.37
	125		2.05	-75.89	-2.09	54.97	-1.36	53.47
15	124		-4.31	170.35	4.09	-186.28	-3.57	382.51
	125		4.31	-170.35	-4.09	186.28	-2.57	-126.99
16	124		-4.31	170.35	4.09	-186.28	-3.57	382.51
	125		4.31	-170.35	-4.09	186.28	-2.57	-126.99
17	124		-4.45	168.82	4.09	-186.54	-3.57	378.99
	125		4.45	-168.82	-4.09	186.54	-2.57	-125.75
18	124		-4.45	168.82	4.09	-186.54	-3.57	378.99
	125		4.45	-168.82	-4.09	186.54	-2.57	-125.75
19	124		-4.16	131.17	1.65	-137.97	-1.54	264.12
	125		4.16	-131.17	-1.65	137.97	-0.94	-67.37
20	124		-1.22	45.82	1.22	-33.67	-1.02	37.93
	125		1.22	-45.82	-1.22	33.67	-0.81	30.80
21	124		-4.45	168.82	4.09	-186.54	-3.57	378.99
	125		4.45	-168.82	-4.09	186.54	-2.57	-125.75
181	1	125	-10.19	308.10	1.59	39.13	-1.81	453.90
		20	10.19	-272.76	-1.59	-39.13	-0.57	-18.26
	2	125	3.37	34.92	-0.03	39.98	0.04	7.08
		20	-3.37	-34.92	0.03	-39.98	0.01	45.30
	3	125	-0.06	0.25	0.04	0.24	-0.05	0.25
		20	0.06	-0.25	-0.04	-0.24	-0.02	0.12
	4	125	-2.35	-2.86	-0.15	-7.54	0.04	-8.16
		20	2.35	2.86	0.15	7.54	0.18	3.87
	5	125	-1.86	-17.88	1.37	60.90	-1.20	-89.63
		20	1.86	17.88	-1.37	-60.90	-0.86	62.81
	6	125	-3.35	42.76	1.62	-54.37	-1.47	70.11
		20	3.35	-42.76	-1.62	54.37	-0.96	-5.97
	7	125	-1.10	13.43	0.50	10.61	-0.45	-34.15
		20	1.10	-13.43	-0.50	-10.61	-0.30	54.30
	8	125	-1.10	13.43	0.50	10.61	-0.45	-34.15
		20	1.10	-13.43	-0.50	-10.61	-0.30	54.30
	9	125	-0.46	43.56	-0.40	35.94	0.36	73.28
		20	0.46	-43.56	0.40	-35.94	0.24	-7.93
	10	125	-0.46	43.56	-0.40	35.94	0.36	73.28
		20	0.46	-43.56	0.40	-35.94	0.24	-7.93
	11	125	-2.30	88.31	0.18	-18.49	-0.27	75.49
		20	2.30	-88.31	-0.18	18.49	-0.01	56.98
	12	125	-2.30	88.31	0.18	-18.49	-0.27	75.49
		20	2.30	-88.31	-0.18	18.49	-0.01	56.98
	13	125	-2.06	21.61	0.85	20.39	-0.78	-61.74
		20	2.06	-21.61	-0.85	-20.39	-0.50	94.16

STAAD SPACE

-- PAGE NO. 220

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
14	125		-2.06	21.61	0.85	20.39	-0.78	-61.74
	20		2.06	-21.61	-0.85	-20.39	-0.50	94.16
15	125		-5.38	57.07	1.65	-44.54	-1.52	41.14
	20		5.38	-57.07	-1.65	44.54	-0.96	44.46
16	125		-5.38	57.07	1.65	-44.54	-1.52	41.14
	20		5.38	-57.07	-1.65	44.54	-0.96	44.46
17	125		-5.47	57.58	1.65	-44.92	-1.52	42.86
	20		5.47	-57.58	-1.65	44.92	-0.96	43.51
18	125		-5.47	57.58	1.65	-44.92	-1.52	42.86
	20		5.47	-57.58	-1.65	44.92	-0.96	43.51
19	125		-4.47	71.32	0.74	-66.53	-0.72	95.92
	20		4.47	-71.32	-0.74	66.53	-0.38	11.06
20	125		-1.10	13.43	0.50	10.61	-0.45	-34.15
	20		1.10	-13.43	-0.50	-10.61	-0.30	54.30
21	125		-5.47	57.58	1.65	-44.92	-1.52	42.86
	20		5.47	-57.58	-1.65	44.92	-0.96	43.51
184	1	127	51.56	132.52	-0.25	172.77	1.10	-679.53
		21	-51.56	220.90	0.25	-172.77	2.70	16.67
	2	127	6.98	-0.02	-0.03	5.15	0.33	-9.53
		21	-6.98	0.02	0.03	-5.15	0.16	9.26
	3	127	0.20	0.01	0.00	0.09	0.01	2.83
		21	-0.20	-0.01	0.00	-0.09	0.01	-2.75
	4	127	-2.48	0.18	0.01	-0.77	-0.15	7.23
		21	2.48	-0.18	-0.01	0.77	-0.02	-4.53
	5	127	29.99	-43.75	-0.15	53.20	0.71	-778.77
		21	-29.99	43.75	0.15	-53.20	1.47	122.57
	6	127	24.90	-43.52	-0.12	77.18	0.50	-732.00
		21	-24.90	43.52	0.12	-77.18	1.26	79.19
	7	127	5.99	1.20	-0.03	-16.32	0.10	-51.35
		21	-5.99	-1.20	0.03	16.32	0.35	69.37
	8	127	5.99	1.20	-0.03	-16.32	0.10	-51.35
		21	-5.99	-1.20	0.03	16.32	0.35	69.37
	9	127	-0.69	1.29	0.00	4.87	-0.01	14.61
		21	0.69	-1.29	0.00	-4.87	0.00	4.80
	10	127	-0.69	1.29	0.00	4.87	-0.01	14.61
		21	0.69	-1.29	0.00	-4.87	0.00	4.80
	11	127	11.95	0.12	-0.06	-24.99	0.28	-176.49
		21	-11.95	-0.12	0.06	24.99	0.64	178.33
	12	127	11.95	0.12	-0.06	-24.99	0.28	-176.49
		21	-11.95	-0.12	0.06	24.99	0.64	178.33
	13	127	10.51	2.27	-0.05	-31.88	0.18	-82.29
		21	-10.51	-2.27	0.05	31.88	0.62	116.36
	14	127	10.51	2.27	-0.05	-31.88	0.18	-82.29
		21	-10.51	-2.27	0.05	31.88	0.62	116.36

STAAD SPACE

-- PAGE NO. 221

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
15	127		18.37	-2.70	-0.09	-62.18	0.23	-278.23
	21		-18.37	2.70	0.09	62.18	1.12	237.77
16	127		18.37	-2.70	-0.09	-62.18	0.23	-278.23
	21		-18.37	2.70	0.09	62.18	1.12	237.77
17	127		18.21	-2.70	-0.09	-62.19	0.22	-278.16
	21		-18.21	2.70	0.09	62.19	1.12	237.69
18	127		18.21	-2.70	-0.09	-62.19	0.22	-278.16
	21		-18.21	2.70	0.09	62.19	1.12	237.69
19	127		-1.49	1.65	0.01	-6.80	-0.17	-13.44
	21		1.49	-1.65	-0.01	6.80	0.04	38.19
20	127		5.99	1.20	-0.03	-16.32	0.10	-51.35
	21		-5.99	-1.20	0.03	16.32	0.35	69.37
21	127		18.21	-2.70	-0.09	-62.19	0.22	-278.16
	21		-18.21	2.70	0.09	62.19	1.12	237.69
194	1	136	51.56	132.52	0.25	-172.77	-1.10	-679.53
		24	-51.56	220.90	-0.25	172.77	-2.70	16.67
	2	136	-7.70	0.68	-0.04	-32.63	0.38	12.02
		24	7.70	-0.68	0.04	32.63	0.21	-1.77
	3	136	0.03	0.02	0.00	0.00	0.00	3.02
		24	-0.03	-0.02	0.00	0.00	-0.01	-2.74
	4	136	4.75	0.22	0.03	1.67	-0.21	7.04
		24	-4.75	-0.22	-0.03	-1.67	-0.18	-3.70
	5	136	18.60	-5.74	0.09	59.45	-0.24	-322.93
		24	-18.60	5.74	-0.09	-59.45	-1.12	236.89
	6	136	24.92	-41.79	0.12	-66.70	-0.51	-715.19
		24	-24.92	41.79	-0.12	66.70	-1.26	88.27
	7	136	7.39	-4.70	0.04	30.94	-0.14	-168.50
		24	-7.39	4.70	-0.04	-30.94	-0.41	97.95
	8	136	7.39	-4.70	0.04	30.94	-0.14	-168.50
		24	-7.39	4.70	-0.04	-30.94	-0.41	97.95
	9	136	-0.06	0.98	0.00	-4.86	-0.02	8.49
		24	0.06	-0.98	0.00	4.86	-0.02	6.15
	10	136	-0.06	0.98	0.00	-4.86	-0.02	8.49
		24	0.06	-0.98	0.00	4.86	-0.02	6.15
	11	136	11.76	-23.02	0.06	-20.73	-0.24	-465.03
		24	-11.76	23.02	-0.06	20.73	-0.69	119.71
	12	136	11.76	-23.02	0.06	-20.73	-0.24	-465.03
		24	-11.76	23.02	-0.06	20.73	-0.69	119.71
	13	136	13.24	-8.52	0.07	47.56	-0.26	-288.85
		24	-13.24	8.52	-0.07	-47.56	-0.72	161.11
	14	136	13.24	-8.52	0.07	47.56	-0.26	-288.85
		24	-13.24	8.52	-0.07	-47.56	-0.72	161.11
	15	136	30.06	-42.96	0.15	-45.19	-0.70	-783.17
		24	-30.06	42.96	-0.15	45.19	-1.48	138.73

STAAD SPACE

-- PAGE NO. 222

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
16	136		30.06	-42.96	0.15	-45.19	-0.70	-783.17
	24		-30.06	42.96	-0.15	45.19	-1.48	138.73
17	136		30.24	-42.76	0.15	-42.28	-0.72	-781.18
	24		-30.24	42.76	-0.15	42.28	-1.49	139.76
18	136		30.24	-42.76	0.15	-42.28	-0.72	-781.18
	24		-30.24	42.76	-0.15	42.28	-1.49	139.76
19	136		16.67	-15.85	0.08	59.11	-0.67	-286.02
	24		-16.67	15.85	-0.08	-59.11	-0.57	48.30
20	136		7.39	-4.70	0.04	30.94	-0.14	-168.50
	24		-7.39	4.70	-0.04	-30.94	-0.41	97.95
21	136		30.24	-42.76	0.15	-42.28	-0.72	-781.18
	24		-30.24	42.76	-0.15	42.28	-1.49	139.76
196	1	137	11.96	-240.24	7.07	-287.27	-5.61	651.88
		138	-11.96	275.59	-7.07	287.27	-4.99	-1038.75
	2	137	1.26	-4.02	0.10	-4.83	-0.07	4.59
		138	-1.26	4.02	-0.10	4.83	-0.08	-10.61
	3	137	0.02	0.83	-0.07	-0.53	0.02	0.59
		138	-0.02	-0.83	0.07	0.53	0.09	0.65
	4	137	-0.41	1.72	-0.15	-3.11	0.04	-1.90
		138	0.41	-1.72	0.15	3.11	0.19	4.48
	5	137	6.47	33.40	3.73	-250.31	-3.09	367.64
		138	-6.47	-33.40	-3.73	250.31	-2.51	-317.54
	6	137	5.85	43.14	3.77	-258.46	-2.95	388.79
		138	-5.85	-43.14	-3.77	258.46	-2.71	-324.09
	7	137	0.85	-27.60	0.63	27.73	-0.62	-53.32
		138	-0.85	27.60	-0.63	-27.73	-0.33	11.91
	8	137	0.85	-27.60	0.63	27.73	-0.62	-53.32
		138	-0.85	27.60	-0.63	-27.73	-0.33	11.91
	9	137	-0.58	-15.41	-0.08	8.92	0.12	-15.15
		138	0.58	15.41	0.08	-8.92	0.00	-7.96
	10	137	-0.58	-15.41	-0.08	8.92	0.12	-15.15
		138	0.58	15.41	0.08	-8.92	0.00	-7.96
	11	137	2.28	-50.77	1.14	12.98	-1.03	-65.76
		138	-2.28	50.77	-1.14	-12.98	-0.67	-10.39
	12	137	2.28	-50.77	1.14	12.98	-1.03	-65.76
		138	-2.28	50.77	-1.14	-12.98	-0.67	-10.39
	13	137	1.55	-45.27	1.12	51.19	-1.08	-94.85
		138	-1.55	45.27	-1.12	-51.19	-0.60	26.94
	14	137	1.55	-45.27	1.12	51.19	-1.08	-94.85
		138	-1.55	45.27	-1.12	-51.19	-0.60	26.94
	15	137	3.32	-52.41	2.76	12.00	-2.35	-98.80
		138	-3.32	52.41	-2.76	-12.00	-1.79	20.19
	16	137	3.32	-52.41	2.76	12.00	-2.35	-98.80
		138	-3.32	52.41	-2.76	-12.00	-1.79	20.19

STAAD SPACE

-- PAGE NO. 223

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
17	137		3.31	-52.37	2.76	11.99	-2.34	-98.75
	138		-3.31	52.37	-2.76	-11.99	-1.79	20.19
18	137		3.31	-52.37	2.76	11.99	-2.34	-98.75
	138		-3.31	52.37	-2.76	-11.99	-1.79	20.19
19	137		0.83	-23.14	0.93	27.58	-0.58	-39.77
	138		-0.83	23.14	-0.93	-27.58	-0.82	5.05
20	137		0.85	-27.60	0.63	27.73	-0.62	-53.32
	138		-0.85	27.60	-0.63	-27.73	-0.33	11.91
21	137		3.31	-52.37	2.76	11.99	-2.34	-98.75
	138		-3.31	52.37	-2.76	-11.99	-1.79	20.19
198	1	138	41.56	-240.74	23.78	-609.32	-11.27	1424.69
		139	-41.56	276.08	-23.78	609.32	-24.40	-1812.31
	2	138	3.35	-11.91	0.85	-10.53	-0.11	-2.61
		139	-3.35	11.91	-0.85	10.53	-1.17	-15.26
	3	138	-0.14	0.57	0.07	-1.39	0.07	0.42
		139	0.14	-0.57	-0.07	1.39	-0.17	0.44
	4	138	-0.83	-0.71	-0.12	-14.86	-0.01	1.28
		139	0.83	0.71	0.12	14.86	0.20	-2.34
	5	138	21.80	97.20	9.42	-479.72	-5.71	757.07
		139	-21.80	-97.20	-9.42	479.72	-8.42	-611.27
	6	138	19.84	94.46	9.74	-441.49	-5.56	731.32
		139	-19.84	-94.46	-9.74	441.49	-9.05	-589.63
	7	138	3.48	-17.95	1.68	-8.64	-1.14	-50.72
		139	-3.48	17.95	-1.68	8.64	-1.38	23.79
	8	138	3.48	-17.95	1.68	-8.64	-1.14	-50.72
		139	-3.48	17.95	-1.68	8.64	-1.38	23.79
	9	138	-1.05	-13.45	1.01	17.84	0.01	-16.55
		139	1.05	13.45	-1.01	-17.84	-1.52	-3.63
	10	138	-1.05	-13.45	1.01	17.84	0.01	-16.55
		139	1.05	13.45	-1.01	-17.84	-1.52	-3.63
	11	138	8.34	-44.97	3.80	-115.01	-2.08	-32.68
		139	-8.34	44.97	-3.80	115.01	-3.61	-34.77
	12	138	8.34	-44.97	3.80	-115.01	-2.08	-32.68
		139	-8.34	44.97	-3.80	115.01	-3.61	-34.77
	13	138	6.28	-28.55	2.91	-11.82	-2.01	-91.21
		139	-6.28	28.55	-2.91	11.82	-2.35	48.38
	14	138	6.28	-28.55	2.91	-11.82	-2.01	-91.21
		139	-6.28	28.55	-2.91	11.82	-2.35	48.38
	15	138	13.22	17.90	7.15	-207.35	-4.49	26.95
		139	-13.22	-17.90	-7.15	207.35	-6.23	-0.10
	16	138	13.22	17.90	7.15	-207.35	-4.49	26.95
		139	-13.22	-17.90	-7.15	207.35	-6.23	-0.10
	17	138	13.19	17.92	7.15	-207.31	-4.49	27.01
		139	-13.19	-17.92	-7.15	207.31	-6.24	-0.14

STAAD SPACE

-- PAGE NO. 224

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
18	138		13.19	17.92	7.15	-207.31	-4.49	27.01
	139		-13.19	-17.92	-7.15	207.31	-6.24	-0.14
19	138		2.47	-26.30	2.66	23.75	-1.16	-60.53
	139		-2.47	26.30	-2.66	-23.75	-2.83	21.07
20	138		3.48	-17.95	1.68	-8.64	-1.14	-50.72
	139		-3.48	17.95	-1.68	8.64	-1.38	23.79
21	138		13.19	17.92	7.15	-207.31	-4.49	27.01
	139		-13.19	-17.92	-7.15	207.31	-6.24	-0.14
200	1	139	103.94	-988.93	188.23	-2263.49	-45.54	2082.60
		22	-103.94	1000.71	-188.23	2263.49	-48.57	-2580.01
	2	139	7.57	4.40	-3.26	11.81	-0.68	14.24
		22	-7.57	-4.40	3.26	-11.81	2.32	-12.03
	3	139	0.30	0.03	0.66	-3.93	-0.23	0.30
		22	-0.30	-0.03	-0.66	3.93	-0.10	-0.28
	4	139	-2.38	-6.21	6.30	-57.66	-0.42	2.78
		22	2.38	6.21	-6.30	57.66	-2.74	-5.88
	5	139	49.87	-405.17	97.02	-1880.91	-20.12	943.56
		22	-49.87	405.17	-97.02	1880.91	-28.39	-1146.14
	6	139	47.65	-360.14	86.75	-1634.97	-19.55	877.75
		22	-47.65	360.14	-86.75	1634.97	-23.82	-1057.82
	7	139	8.51	-122.28	19.49	-276.57	-3.90	-110.12
		22	-8.51	122.28	-19.49	276.57	-5.85	48.98
	8	139	8.51	-122.28	19.49	-276.57	-3.90	-110.12
		22	-8.51	122.28	-19.49	276.57	-5.85	48.98
	9	139	-0.33	-4.87	0.45	30.06	-1.34	-16.09
		22	0.33	4.87	-0.45	-30.06	1.11	13.66
	10	139	-0.33	-4.87	0.45	30.06	-1.34	-16.09
		22	0.33	4.87	-0.45	-30.06	1.11	13.66
	11	139	20.87	-311.73	33.72	-544.66	-7.66	-61.18
		22	-20.87	311.73	-33.72	544.66	-9.20	-94.68
	12	139	20.87	-311.73	33.72	-544.66	-7.66	-61.18
		22	-20.87	311.73	-33.72	544.66	-9.20	-94.68
	13	139	15.33	-206.95	34.31	-475.78	-6.79	-193.15
		22	-15.33	206.95	-34.31	475.78	-10.37	89.67
	14	139	15.33	-206.95	34.31	-475.78	-6.79	-193.15
		22	-15.33	206.95	-34.31	475.78	-10.37	89.67
	15	139	32.86	-376.51	72.31	-1131.60	-15.37	-71.62
		22	-32.86	376.51	-72.31	1131.60	-20.78	-116.64
	16	139	32.86	-376.51	72.31	-1131.60	-15.37	-71.62
		22	-32.86	376.51	-72.31	1131.60	-20.78	-116.64
	17	139	32.83	-380.84	72.36	-1131.15	-15.38	-71.47
		22	-32.83	380.84	-72.36	1131.15	-20.80	-118.95
	18	139	32.83	-380.84	72.36	-1131.15	-15.38	-71.47
		22	-32.83	380.84	-72.36	1131.15	-20.80	-118.95

STAAD SPACE

-- PAGE NO. 225

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
19	139		10.62	-87.07	14.82	-89.52	-4.69	-109.41
	22		-10.62	87.07	-14.82	89.52	-2.72	65.88
20	139		8.51	-122.28	19.49	-276.57	-3.90	-110.12
	22		-8.51	122.28	-19.49	276.57	-5.85	48.98
21	139		32.83	-380.84	72.36	-1131.15	-15.38	-71.47
	22		-32.83	380.84	-72.36	1131.15	-20.80	-118.95
202	1	140	-39.52	27.48	3.22	186.18	-9.96	772.36
		141	39.52	7.86	-3.22	-186.18	5.13	-757.64
	2	140	-2.04	-58.13	0.79	0.33	-1.16	-87.26
		141	2.04	58.13	-0.79	-0.33	-0.02	0.07
	3	140	0.31	-0.50	0.09	0.53	-0.15	-0.92
		141	-0.31	0.50	-0.09	-0.53	0.01	0.16
	4	140	2.04	39.71	0.07	5.40	-0.33	51.28
		141	-2.04	-39.71	-0.07	-5.40	0.23	8.28
	5	140	-1.40	217.97	-2.48	2.48	0.89	426.46
		141	1.40	-217.97	2.48	-2.48	2.83	-99.51
	6	140	-15.67	-31.42	-0.90	110.13	-0.98	304.43
		141	15.67	31.42	0.90	-110.13	2.34	-351.56
	7	140	4.15	-89.97	-0.19	113.35	0.01	-141.26
		141	-4.15	89.97	0.19	-113.35	0.27	6.30
	8	140	4.15	-89.97	-0.19	113.35	0.01	-141.26
		141	-4.15	89.97	0.19	-113.35	0.27	6.30
	9	140	1.24	2.69	0.83	6.75	-1.19	1.40
		141	-1.24	-2.69	-0.83	-6.75	-0.05	2.63
	10	140	1.24	2.69	0.83	6.75	-1.19	1.40
		141	-1.24	-2.69	-0.83	-6.75	-0.05	2.63
	11	140	-5.05	-266.71	0.51	190.75	-1.56	-252.27
		141	5.05	266.71	-0.51	-190.75	0.80	-147.80
	12	140	-5.05	-266.71	0.51	190.75	-1.56	-252.27
		141	5.05	266.71	-0.51	-190.75	0.80	-147.80
	13	140	6.07	-203.93	-0.32	202.16	-0.04	-224.72
		141	-6.07	203.93	0.32	-202.16	0.53	-81.18
	14	140	6.07	-203.93	-0.32	202.16	-0.04	-224.72
		141	-6.07	203.93	0.32	-202.16	0.53	-81.18
	15	140	0.13	-346.34	-0.50	321.81	-0.66	-242.38
		141	-0.13	346.34	0.50	-321.81	1.41	-277.13
	16	140	0.13	-346.34	-0.50	321.81	-0.66	-242.38
		141	-0.13	346.34	0.50	-321.81	1.41	-277.13
	17	140	-0.24	-348.89	-0.51	321.92	-0.66	-244.43
		141	0.24	348.89	0.51	-321.92	1.42	-278.91
	18	140	-0.24	-348.89	-0.51	321.92	-0.66	-244.43
		141	0.24	348.89	0.51	-321.92	1.42	-278.91
	19	140	-27.25	-455.01	0.92	182.61	-1.79	-255.15
		141	27.25	455.01	-0.92	-182.61	0.40	-427.37

STAAD SPACE

-- PAGE NO. 226

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
20	140		4.15	-89.97	-0.19	113.35	0.01	-141.26
	141		-4.15	89.97	0.19	-113.35	0.27	6.30
21	140		-0.24	-348.89	-0.51	321.92	-0.66	-244.43
	141		0.24	348.89	0.51	-321.92	1.42	-278.91
204	1	141	-39.52	7.86	-3.22	-186.18	-5.13	757.64
		142	39.52	27.48	3.22	186.18	9.96	-772.36
2	141		1.69	-64.31	-0.86	3.53	0.02	8.22
	142		-1.69	64.31	0.86	-3.53	1.27	-104.68
3	141		0.35	-0.77	-0.09	-0.57	-0.01	-0.19
	142		-0.35	0.77	0.09	0.57	0.15	-0.97
4	141		0.21	37.10	-0.21	-10.97	-0.10	1.08
	142		-0.21	-37.10	0.21	10.97	0.41	54.57
5	141		-2.14	319.48	0.60	-319.02	-1.56	292.72
	142		2.14	-319.48	-0.60	319.02	0.66	186.50
6	141		-15.74	35.20	0.84	-114.66	-2.29	354.08
	142		15.74	-35.20	-0.84	114.66	1.03	-301.29
7	141		5.21	-99.67	1.07	-2.52	-0.87	-88.84
	142		-5.21	99.67	-1.07	2.52	-0.73	-60.66
8	141		5.21	-99.67	1.07	-2.52	-0.87	-88.84
	142		-5.21	99.67	-1.07	2.52	-0.73	-60.66
9	141		1.16	-1.34	-0.81	-1.22	0.04	-3.37
	142		-1.16	1.34	0.81	1.22	1.17	1.35
10	141		1.16	-1.34	-0.81	-1.22	0.04	-3.37
	142		-1.16	1.34	0.81	1.22	1.17	1.35
11	141		-2.31	-317.32	0.66	39.03	-1.62	-18.58
	142		2.31	317.32	-0.66	-39.03	0.63	-457.40
12	141		-2.31	-317.32	0.66	39.03	-1.62	-18.58
	142		2.31	317.32	-0.66	-39.03	0.63	-457.40
13	141		7.88	-136.47	1.81	-8.18	-1.55	-59.30
	142		-7.88	136.47	-1.81	8.18	-1.17	-145.41
14	141		7.88	-136.47	1.81	-8.18	-1.55	-59.30
	142		-7.88	136.47	-1.81	8.18	-1.17	-145.41
15	141		1.48	-263.55	2.75	47.14	-2.94	47.21
	142		-1.48	263.55	-2.75	-47.14	-1.19	-442.53
16	141		1.48	-263.55	2.75	47.14	-2.94	47.21
	142		-1.48	263.55	-2.75	-47.14	-1.19	-442.53
17	141		1.02	-269.81	2.74	47.07	-2.93	48.70
	142		-1.02	269.81	-2.74	-47.07	-1.18	-453.41
18	141		1.02	-269.81	2.74	47.07	-2.93	48.70
	142		-1.02	269.81	-2.74	-47.07	-1.18	-453.41
19	141		-28.46	-438.05	0.47	111.77	-1.30	243.96
	142		28.46	438.05	-0.47	-111.77	0.59	-901.04
20	141		5.21	-99.67	1.07	-2.52	-0.87	-88.84
	142		-5.21	99.67	-1.07	2.52	-0.73	-60.66

STAAD SPACE

-- PAGE NO. 227

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	21	141	1.02	-269.81	2.74	47.07	-2.93	48.70
		142	-1.02	269.81	-2.74	-47.07	-1.18	-453.41
206	1	142	-25.04	-230.39	68.82	-1052.91	-20.41	832.74
		23	25.04	253.95	-68.82	1052.91	-48.41	-1074.91
	2	142	5.18	-62.60	-0.14	18.60	1.22	119.33
		23	-5.18	62.60	0.14	-18.60	-1.08	-181.94
	3	142	0.28	-1.11	0.07	-2.44	0.07	0.70
		23	-0.28	1.11	-0.07	2.44	-0.14	-1.81
	4	142	-1.80	34.57	1.56	-37.90	-0.29	-47.34
		23	1.80	-34.57	-1.56	37.90	-1.28	81.92
	5	142	8.91	174.45	33.40	-917.84	-12.32	97.59
		23	-8.91	-174.45	-33.40	917.84	-21.08	76.86
	6	142	-5.49	-114.14	36.92	-769.92	-13.51	310.54
		23	5.49	114.14	-36.92	769.92	-23.41	-424.69
	7	142	11.44	-343.97	14.23	-258.48	-5.46	18.46
		23	-11.44	343.97	-14.23	258.48	-8.76	-362.43
	8	142	11.44	-343.97	14.23	-258.48	-5.46	18.46
		23	-11.44	343.97	-14.23	258.48	-8.76	-362.43
	9	142	-0.03	9.34	-2.34	6.98	1.42	2.36
		23	0.03	-9.34	2.34	-6.98	0.92	6.98
10	142	-0.03	9.34	-2.34	6.98	1.42	2.36	
		23	0.03	-9.34	2.34	-6.98	0.92	6.98
11	142	6.98	-401.41	23.82	-445.52	-7.88	328.86	
		23	-6.98	401.41	-23.82	445.52	-15.94	-730.27
12	142	6.98	-401.41	23.82	-445.52	-7.88	328.86	
		23	-6.98	401.41	-23.82	445.52	-15.94	-730.27
13	142	18.56	-248.91	25.26	-459.41	-9.59	89.15	
		23	-18.56	248.91	-25.26	459.41	-15.67	-338.06
14	142	18.56	-248.91	25.26	-459.41	-9.59	89.15	
		23	-18.56	248.91	-25.26	459.41	-15.67	-338.06
15	142	17.56	-416.51	46.60	-856.77	-17.59	308.70	
		23	-17.56	416.51	-46.60	856.77	-29.00	-725.20
16	142	17.56	-416.51	46.60	-856.77	-17.59	308.70	
		23	-17.56	416.51	-46.60	856.77	-29.00	-725.20
17	142	16.90	-422.84	46.52	-857.30	-17.57	318.71	
		23	-16.90	422.84	-46.52	857.30	-28.95	-741.55
18	142	16.90	-422.84	46.52	-857.30	-17.57	318.71	
		23	-16.90	422.84	-46.52	857.30	-28.95	-741.55
19	142	-30.78	-497.77	12.14	-183.55	-4.67	706.71	
		23	30.78	497.77	-12.14	183.55	-7.47	-1204.48
20	142	11.44	-343.97	14.23	-258.48	-5.46	18.46	
		23	-11.44	343.97	-14.23	258.48	-8.76	-362.43
21	142	16.90	-422.84	46.52	-857.30	-17.57	318.71	
		23	-16.90	422.84	-46.52	857.30	-28.95	-741.55

STAAD SPACE

-- PAGE NO. 228

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
208	1	143	41.56	276.08	-23.78	609.31	24.40	1812.31
		144	-41.56	-240.74	23.78	-609.31	11.27	-1424.70
	2	143	-3.52	16.79	-0.57	-6.04	0.93	32.29
		144	3.52	-16.79	0.57	6.04	-0.08	-7.12
	3	143	-0.22	-0.51	-0.06	1.07	0.16	-0.64
		144	0.22	0.51	0.06	-1.07	-0.07	-0.13
	4	143	2.54	1.50	0.12	15.13	-0.25	-1.76
		144	-2.54	-1.50	-0.12	-15.13	0.07	4.01
	5	143	13.85	-33.24	-7.47	252.39	6.58	49.44
		144	-13.85	33.24	7.47	-252.39	4.63	-99.30
	6	143	19.78	-80.86	-9.68	431.19	8.99	594.98
		144	-19.78	80.86	9.68	-431.19	5.54	-716.28
	7	143	5.00	-13.27	-2.49	157.88	2.21	93.04
		144	-5.00	13.27	2.49	-157.88	1.52	-112.94
	8	143	5.00	-13.27	-2.49	157.88	2.21	93.04
		144	-5.00	13.27	2.49	-157.88	1.52	-112.94
	9	143	-0.72	11.34	-1.03	-10.46	1.53	6.14
		144	0.72	-11.34	1.03	10.46	0.02	10.87
	10	143	-0.72	11.34	-1.03	-10.46	1.53	6.14
		144	0.72	-11.34	1.03	10.46	0.02	10.87
	11	143	10.01	60.02	-4.89	254.78	4.59	575.63
		144	-10.01	-60.02	4.89	-254.78	2.74	-485.60
	12	143	10.01	60.02	-4.89	254.78	4.59	575.63
		144	-10.01	-60.02	4.89	-254.78	2.74	-485.60
	13	143	9.22	-79.90	-4.31	285.35	3.76	86.24
		144	-9.22	79.90	4.31	-285.35	2.70	-206.09
	14	143	9.22	-79.90	-4.31	285.35	3.76	86.24
		144	-9.22	79.90	4.31	-285.35	2.70	-206.09
	15	143	21.79	-118.17	-9.44	495.44	8.40	561.20
		144	-21.79	118.17	9.44	-495.44	5.75	-738.46
	16	143	21.79	-118.17	-9.44	495.44	8.40	561.20
		144	-21.79	118.17	9.44	-495.44	5.75	-738.46
	17	143	21.89	-107.34	-9.43	492.38	8.39	584.23
		144	-21.89	107.34	9.43	-492.38	5.75	-745.25
	18	143	21.89	-107.34	-9.43	492.38	8.39	584.23
		144	-21.89	107.34	9.43	-492.38	5.75	-745.25
	19	143	13.02	425.78	-4.25	122.28	4.17	1426.62
		144	-13.02	-425.78	4.25	-122.28	2.20	-787.95
	20	143	5.00	-13.27	-2.49	157.88	2.21	93.04
		144	-5.00	13.27	2.49	-157.88	1.52	-112.94
	21	143	21.89	-107.34	-9.43	492.38	8.39	584.23
		144	-21.89	107.34	9.43	-492.38	5.75	-745.25
210	1	144	11.96	275.59	-7.07	287.27	4.99	1038.76
		145	-11.96	-240.25	7.07	-287.27	5.61	-651.88

STAAD SPACE

-- PAGE NO. 229

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
2	144		-1.43	18.24	0.13	13.66	-0.03	32.09
	145		1.43	-18.24	-0.13	-13.66	-0.17	-4.73
3	144		-0.01	-0.79	0.08	0.33	-0.09	-0.80
	145		0.01	0.79	-0.08	-0.33	-0.02	-0.38
4	144		0.95	-2.48	0.07	2.09	-0.18	-4.22
	145		-0.95	2.48	-0.07	-2.09	0.07	0.50
5	144		3.56	36.71	-2.89	27.82	1.92	-3.46
	145		-3.56	-36.71	2.89	-27.82	2.42	58.53
6	144		5.84	-35.34	-3.76	248.92	2.70	319.35
	145		-5.84	35.34	3.76	-248.92	2.95	-372.36
7	144		1.36	-3.68	-0.92	39.55	0.57	-1.45
	145		-1.36	3.68	0.92	-39.55	0.82	-4.07
8	144		1.36	-3.68	-0.92	39.55	0.57	-1.45
	145		-1.36	3.68	0.92	-39.55	0.82	-4.07
9	144		-0.45	13.47	0.05	-5.32	0.02	9.24
	145		0.45	-13.47	-0.05	5.32	-0.09	10.97
10	144		-0.45	13.47	0.05	-5.32	0.02	9.24
	145		0.45	-13.47	-0.05	5.32	-0.09	10.97
11	144		2.81	50.00	-1.61	119.17	1.03	271.64
	145		-2.81	-50.00	1.61	-119.17	1.39	-196.63
12	144		2.81	50.00	-1.61	119.17	1.03	271.64
	145		-2.81	-50.00	1.61	-119.17	1.39	-196.63
13	144		2.55	-7.53	-1.64	76.00	1.01	4.05
	145		-2.55	7.53	1.64	-76.00	1.45	-15.35
14	144		2.55	-7.53	-1.64	76.00	1.01	4.05
	145		-2.55	7.53	1.64	-76.00	1.45	-15.35
15	144		6.42	-41.19	-3.74	252.39	2.50	289.68
	145		-6.42	41.19	3.74	-252.39	3.11	-351.47
16	144		6.42	-41.19	-3.74	252.39	2.50	289.68
	145		-6.42	41.19	3.74	-252.39	3.11	-351.47
17	144		6.47	-35.55	-3.74	249.06	2.50	297.55
	145		-6.47	35.55	3.74	-249.06	3.11	-350.88
18	144		6.47	-35.55	-3.74	249.06	2.50	297.55
	145		-6.47	35.55	3.74	-249.06	3.11	-350.88
19	144		4.90	220.91	-1.81	35.43	1.37	567.06
	145		-4.90	-220.91	1.81	-35.43	1.34	-235.68
20	144		1.36	-3.68	-0.92	39.55	0.57	-1.45
	145		-1.36	3.68	0.92	-39.55	0.82	-4.07
21	144		6.47	-35.55	-3.74	249.06	2.50	297.55
	145		-6.47	35.55	3.74	-249.06	3.11	-350.88
212	1	145	-1.40	279.70	-1.64	109.34	0.38	544.38
		24	1.40	-244.36	1.64	-109.34	2.08	-151.34
	2	145	0.34	14.45	0.01	21.40	0.06	30.79
		24	-0.34	-14.45	-0.01	-21.40	-0.06	-9.12

MEMBER END FORCES STRUCTURE TYPE = SPACE

ALL UNITS ARE -- KN METE (LOCAL)

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
3	145		0.01	-0.91	0.02	0.35	-0.03	-0.83
	24		-0.01	0.91	-0.02	-0.35	0.01	-0.53
4	145		-0.22	-2.57	0.09	1.73	-0.18	-3.32
	24		0.22	2.57	-0.09	-1.73	0.05	-0.53
5	145		-0.62	75.10	-0.72	-64.63	0.31	-14.85
	24		0.62	-75.10	0.72	64.63	0.77	127.51
6	145		-0.49	33.15	-1.08	80.54	0.52	167.04
	24		0.49	-33.15	1.08	-80.54	1.09	-117.32
7	145		-0.26	25.21	-0.22	-18.61	0.05	-13.59
	24		0.26	-25.21	0.22	18.61	0.27	51.40
8	145		-0.26	25.21	-0.22	-18.61	0.05	-13.59
	24		0.26	-25.21	0.22	18.61	0.27	51.40
9	145		-0.18	9.51	0.13	1.50	-0.10	7.60
	24		0.18	-9.51	-0.13	-1.50	-0.10	6.66
10	145		-0.18	9.51	0.13	1.50	-0.10	7.60
	24		0.18	-9.51	-0.13	-1.50	-0.10	6.66
11	145		-0.33	54.09	-0.35	48.15	0.05	105.70
	24		0.33	-54.09	0.35	-48.15	0.48	-24.56
12	145		-0.33	54.09	-0.35	48.15	0.05	105.70
	24		0.33	-54.09	0.35	-48.15	0.48	-24.56
13	145		-0.45	42.14	-0.39	-27.39	0.08	-18.60
	24		0.45	-42.14	0.39	27.39	0.50	81.81
14	145		-0.45	42.14	-0.39	-27.39	0.08	-18.60
	24		0.45	-42.14	0.39	27.39	0.50	81.81
15	145		-0.87	44.34	-0.96	64.37	0.33	145.96
	24		0.87	-44.34	0.96	-64.37	1.12	-79.45
16	145		-0.87	44.34	-0.96	64.37	0.33	145.96
	24		0.87	-44.34	0.96	-64.37	1.12	-79.45
17	145		-0.87	46.15	-0.97	62.36	0.33	145.88
	24		0.87	-46.15	0.97	-62.36	1.12	-76.66
18	145		-0.87	46.15	-0.97	62.36	0.33	145.88
	24		0.87	-46.15	0.97	-62.36	1.12	-76.66
19	145		-0.01	90.44	-0.66	-11.86	0.32	115.22
	24		0.01	-90.44	0.66	11.86	0.67	20.44
20	145		-0.26	25.21	-0.22	-18.61	0.05	-13.59
	24		0.26	-25.21	0.22	18.61	0.27	51.40
21	145		-0.87	46.15	-0.97	62.36	0.33	145.88
	24		0.87	-46.15	0.97	-62.36	1.12	-76.66

***** END OF LATEST ANALYSIS RESULT *****

STAAD SPACE

-- PAGE NO. 231

2009. PRINT SUPPORT REACTION LIST 25 TO 36

SUPPORT REACTIONS -UNIT KN METE STRUCTURE TYPE = SPACE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
25	1	-128.98	2074.19	362.95	0.00	0.00	0.00
	2	-30.65	122.96	-0.82	0.00	0.00	0.00
	3	-11.07	64.35	26.07	0.00	0.00	0.00
	4	-26.54	156.37	148.25	0.00	0.00	0.00
	5	-35.16	853.31	210.16	0.00	0.00	0.00
	6	-53.31	504.19	179.99	0.00	0.00	0.00
	7	7.54	206.11	43.10	0.00	0.00	0.00
	8	7.54	206.11	43.10	0.00	0.00	0.00
	9	-0.14	-0.15	0.24	0.00	0.00	0.00
	10	-0.14	-0.15	0.24	0.00	0.00	0.00
	11	-9.07	285.39	85.68	0.00	0.00	0.00
	12	-9.07	285.39	85.68	0.00	0.00	0.00
	13	7.63	286.90	102.38	0.00	0.00	0.00
	14	7.63	286.90	102.38	0.00	0.00	0.00
	15	-22.47	154.51	155.91	0.00	0.00	0.00
	16	-22.47	154.51	155.91	0.00	0.00	0.00
	17	-22.17	149.40	155.94	0.00	0.00	0.00
	18	-22.17	149.40	155.94	0.00	0.00	0.00
	19	-4.12	96.86	27.39	0.00	0.00	0.00
	20	7.54	206.11	43.10	0.00	0.00	0.00
	21	-22.17	149.40	155.94	0.00	0.00	0.00
26	1	128.98	2074.19	362.95	0.00	0.00	0.00
	2	-3.16	-11.33	-0.58	0.00	0.00	0.00
	3	11.13	42.46	23.79	0.00	0.00	0.00
	4	28.14	842.70	201.73	0.00	0.00	0.00
	5	24.06	139.50	155.54	0.00	0.00	0.00
	6	51.13	441.81	179.20	0.00	0.00	0.00
	7	19.75	-56.72	30.20	0.00	0.00	0.00
	8	19.75	-56.72	30.20	0.00	0.00	0.00
	9	0.00	1.41	0.43	0.00	0.00	0.00
	10	0.00	1.41	0.43	0.00	0.00	0.00
	11	-4.35	28.93	47.21	0.00	0.00	0.00
	12	-4.35	28.93	47.21	0.00	0.00	0.00
	13	22.52	198.51	105.65	0.00	0.00	0.00
	14	22.52	198.51	105.65	0.00	0.00	0.00
	15	33.05	821.74	209.84	0.00	0.00	0.00
	16	33.05	821.74	209.84	0.00	0.00	0.00
	17	32.08	803.25	209.93	0.00	0.00	0.00
	18	32.08	803.25	209.93	0.00	0.00	0.00
	19	18.07	12.58	25.96	0.00	0.00	0.00
	20	19.75	-56.72	30.20	0.00	0.00	0.00
	21	32.08	803.25	209.93	0.00	0.00	0.00
27	1	-238.28	3798.03	-52.07	0.00	0.00	0.00
	2	-21.50	-208.41	8.26	0.00	0.00	0.00
	3	-97.36	912.97	-7.27	0.00	0.00	0.00
	4	-23.96	90.91	-135.12	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KN METE STRUCTURE TYPE = SPACE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	5	-37.82	981.03	-162.97	0.00	0.00	0.00
	6	-58.31	557.93	-141.71	0.00	0.00	0.00
	7	-64.90	1460.40	-17.20	0.00	0.00	0.00
	8	-64.90	1460.40	-17.20	0.00	0.00	0.00
	9	0.36	-4.50	-2.65	0.00	0.00	0.00
	10	0.36	-4.50	-2.65	0.00	0.00	0.00
	11	-16.68	179.14	-31.35	0.00	0.00	0.00
	12	-16.68	179.14	-31.35	0.00	0.00	0.00
	13	-72.38	1391.28	-71.18	0.00	0.00	0.00
	14	-72.38	1391.28	-71.18	0.00	0.00	0.00
	15	-23.83	116.22	-125.99	0.00	0.00	0.00
	16	-23.83	116.22	-125.99	0.00	0.00	0.00
	17	-23.78	122.91	-126.06	0.00	0.00	0.00
	18	-23.78	122.91	-126.06	0.00	0.00	0.00
	19	-95.67	924.07	-4.95	0.00	0.00	0.00
	20	-64.90	1460.40	-17.20	0.00	0.00	0.00
	21	-23.78	122.91	-126.06	0.00	0.00	0.00
28	1	238.28	3798.03	-52.07	0.00	0.00	0.00
	2	39.51	764.34	16.91	0.00	0.00	0.00
	3	96.34	888.00	-5.19	0.00	0.00	0.00
	4	39.07	989.06	-172.69	0.00	0.00	0.00
	5	24.30	110.88	-125.68	0.00	0.00	0.00
	6	60.58	581.44	-140.92	0.00	0.00	0.00
	7	20.85	332.77	-14.65	0.00	0.00	0.00
	8	20.85	332.77	-14.65	0.00	0.00	0.00
	9	-0.52	-9.11	-3.14	0.00	0.00	0.00
	10	-0.52	-9.11	-3.14	0.00	0.00	0.00
	11	28.35	600.02	21.96	0.00	0.00	0.00
	12	28.35	600.02	21.96	0.00	0.00	0.00
	13	29.22	122.53	-80.78	0.00	0.00	0.00
	14	29.22	122.53	-80.78	0.00	0.00	0.00
	15	38.49	992.14	-162.59	0.00	0.00	0.00
	16	38.49	992.14	-162.59	0.00	0.00	0.00
	17	39.50	1009.01	-162.61	0.00	0.00	0.00
	18	39.50	1009.01	-162.61	0.00	0.00	0.00
	19	97.99	875.92	-2.14	0.00	0.00	0.00
	20	20.85	332.77	-14.65	0.00	0.00	0.00
	21	39.50	1009.01	-162.61	0.00	0.00	0.00
29	1	-232.27	3667.10	7.77	0.00	0.00	0.00
	2	-18.29	-289.49	21.76	0.00	0.00	0.00
	3	-11.15	43.81	-16.03	0.00	0.00	0.00
	4	-5.90	-51.55	4.12	0.00	0.00	0.00
	5	14.43	-21.96	29.97	0.00	0.00	0.00
	6	1.46	-43.16	24.26	0.00	0.00	0.00
	7	-0.97	135.73	-11.54	0.00	0.00	0.00
	8	-0.97	135.73	-11.54	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KN METE STRUCTURE TYPE = SPACE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	9	-11.62	43.78	16.05	0.00	0.00	0.00
	10	-11.62	43.78	16.05	0.00	0.00	0.00
	11	-11.11	258.94	-16.57	0.00	0.00	0.00
	12	-11.11	258.94	-16.57	0.00	0.00	0.00
	13	-3.05	119.07	-1.87	0.00	0.00	0.00
	14	-3.05	119.07	-1.87	0.00	0.00	0.00
	15	-11.12	-67.37	19.55	0.00	0.00	0.00
	16	-11.12	-67.37	19.55	0.00	0.00	0.00
	17	-11.10	-67.87	19.55	0.00	0.00	0.00
	18	-11.10	-67.87	19.55	0.00	0.00	0.00
	19	-14.77	15.26	-14.32	0.00	0.00	0.00
	20	-0.97	135.73	-11.54	0.00	0.00	0.00
	21	-11.10	-67.87	19.55	0.00	0.00	0.00
30	1	232.27	3667.10	7.77	0.00	0.00	0.00
	2	36.32	817.02	33.24	0.00	0.00	0.00
	3	12.42	58.00	-17.01	0.00	0.00	0.00
	4	-10.50	-58.18	12.67	0.00	0.00	0.00
	5	11.04	-62.82	19.66	0.00	0.00	0.00
	6	-0.57	-42.18	23.93	0.00	0.00	0.00
	7	9.94	-67.73	-2.51	0.00	0.00	0.00
	8	9.94	-67.73	-2.51	0.00	0.00	0.00
	9	13.26	71.48	17.72	0.00	0.00	0.00
	10	13.26	71.48	17.72	0.00	0.00	0.00
	11	20.81	617.33	-58.27	0.00	0.00	0.00
	12	20.81	617.33	-58.27	0.00	0.00	0.00
	13	6.32	-113.77	12.00	0.00	0.00	0.00
	14	6.32	-113.77	12.00	0.00	0.00	0.00
	15	-14.44	-17.25	30.13	0.00	0.00	0.00
	16	-14.44	-17.25	30.13	0.00	0.00	0.00
	17	-14.32	-16.69	30.09	0.00	0.00	0.00
	18	-14.32	-16.69	30.09	0.00	0.00	0.00
	19	9.06	90.01	-11.91	0.00	0.00	0.00
	20	9.94	-67.73	-2.51	0.00	0.00	0.00
	21	-14.32	-16.69	30.09	0.00	0.00	0.00
31	1	-232.27	3667.10	-7.77	0.00	0.00	0.00
	2	-19.01	-298.61	-16.82	0.00	0.00	0.00
	3	0.44	-4.21	0.60	0.00	0.00	0.00
	4	-4.70	85.93	8.19	0.00	0.00	0.00
	5	13.17	-12.61	-29.48	0.00	0.00	0.00
	6	1.26	-41.09	-24.19	0.00	0.00	0.00
	7	3.11	4.68	-2.05	0.00	0.00	0.00
	8	3.11	4.68	-2.05	0.00	0.00	0.00
	9	-96.51	906.78	1.25	0.00	0.00	0.00
	10	-96.51	906.78	1.25	0.00	0.00	0.00
	11	-27.99	248.12	59.33	0.00	0.00	0.00
	12	-27.99	248.12	59.33	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KN METE STRUCTURE TYPE = SPACE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	13	1.72	-1.54	-8.48	0.00	0.00	0.00
	14	1.72	-1.54	-8.48	0.00	0.00	0.00
	15	-11.09	-67.98	-19.55	0.00	0.00	0.00
	16	-11.09	-67.98	-19.55	0.00	0.00	0.00
	17	-11.11	-67.48	-19.55	0.00	0.00	0.00
	18	-11.11	-67.48	-19.55	0.00	0.00	0.00
	19	-11.31	-28.86	0.78	0.00	0.00	0.00
	20	3.11	4.68	-2.05	0.00	0.00	0.00
	21	-11.11	-67.48	-19.55	0.00	0.00	0.00
32	1	232.27	3667.10	-7.77	0.00	0.00	0.00
	2	35.56	838.07	-25.32	0.00	0.00	0.00
	3	-0.37	-7.98	0.90	0.00	0.00	0.00
	4	-1.82	38.67	0.08	0.00	0.00	0.00
	5	9.91	-72.15	-20.15	0.00	0.00	0.00
	6	-0.89	-44.44	-24.02	0.00	0.00	0.00
	7	1.25	-40.20	-6.18	0.00	0.00	0.00
	8	1.25	-40.20	-6.18	0.00	0.00	0.00
	9	95.30	887.44	-1.73	0.00	0.00	0.00
	10	95.30	887.44	-1.73	0.00	0.00	0.00
	11	21.65	695.70	82.12	0.00	0.00	0.00
	12	21.65	695.70	82.12	0.00	0.00	0.00
	13	-0.80	-46.25	-16.28	0.00	0.00	0.00
	14	-0.80	-46.25	-16.28	0.00	0.00	0.00
	15	-14.30	-16.58	-30.09	0.00	0.00	0.00
	16	-14.30	-16.58	-30.09	0.00	0.00	0.00
	17	-14.41	-17.11	-30.12	0.00	0.00	0.00
	18	-14.41	-17.11	-30.12	0.00	0.00	0.00
	19	-13.38	-8.79	-4.69	0.00	0.00	0.00
	20	1.25	-40.20	-6.18	0.00	0.00	0.00
	21	-14.41	-17.11	-30.12	0.00	0.00	0.00
33	1	-238.28	3798.03	52.07	0.00	0.00	0.00
	2	-21.57	-236.64	-17.05	0.00	0.00	0.00
	3	-0.12	0.08	-1.95	0.00	0.00	0.00
	4	-3.63	809.79	-26.01	0.00	0.00	0.00
	5	-40.54	924.24	159.18	0.00	0.00	0.00
	6	-59.68	580.90	141.74	0.00	0.00	0.00
	7	-0.63	10.21	35.93	0.00	0.00	0.00
	8	-0.63	10.21	35.93	0.00	0.00	0.00
	9	-12.93	76.43	-18.44	0.00	0.00	0.00
	10	-12.93	76.43	-18.44	0.00	0.00	0.00
	11	-29.30	71.18	-11.92	0.00	0.00	0.00
	12	-29.30	71.18	-11.92	0.00	0.00	0.00
	13	0.48	33.11	60.56	0.00	0.00	0.00
	14	0.48	33.11	60.56	0.00	0.00	0.00
	15	-23.77	124.22	126.08	0.00	0.00	0.00
	16	-23.77	124.22	126.08	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KN METE STRUCTURE TYPE = SPACE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	17	-23.82	117.71	125.98	0.00	0.00	0.00
	18	-23.82	117.71	125.98	0.00	0.00	0.00
	19	-19.41	-228.60	21.16	0.00	0.00	0.00
	20	-0.63	10.21	35.93	0.00	0.00	0.00
	21	-23.82	117.71	125.98	0.00	0.00	0.00
34	1	238.28	3798.03	52.07	0.00	0.00	0.00
	2	31.29	741.64	-27.40	0.00	0.00	0.00
	3	0.07	1.18	-1.99	0.00	0.00	0.00
	4	-4.17	73.05	-23.14	0.00	0.00	0.00
	5	27.78	179.47	128.37	0.00	0.00	0.00
	6	58.04	546.59	141.21	0.00	0.00	0.00
	7	5.43	251.50	50.39	0.00	0.00	0.00
	8	5.43	251.50	50.39	0.00	0.00	0.00
	9	11.80	37.77	-16.33	0.00	0.00	0.00
	10	11.80	37.77	-16.33	0.00	0.00	0.00
	11	35.63	1045.99	-4.29	0.00	0.00	0.00
	12	35.63	1045.99	-4.29	0.00	0.00	0.00
	13	10.43	506.42	84.06	0.00	0.00	0.00
	14	10.43	506.42	84.06	0.00	0.00	0.00
	15	39.69	1012.29	162.63	0.00	0.00	0.00
	16	39.69	1012.29	162.63	0.00	0.00	0.00
	17	38.68	995.22	162.56	0.00	0.00	0.00
	18	38.68	995.22	162.56	0.00	0.00	0.00
	19	7.81	455.14	51.45	0.00	0.00	0.00
	20	5.43	251.50	50.39	0.00	0.00	0.00
	21	38.68	995.22	162.56	0.00	0.00	0.00
35	1	-128.98	2074.19	-362.95	0.00	0.00	0.00
	2	-15.38	-81.34	4.00	0.00	0.00	0.00
	3	-0.15	0.00	-0.98	0.00	0.00	0.00
	4	7.07	50.55	-9.03	0.00	0.00	0.00
	5	-36.57	775.99	-205.13	0.00	0.00	0.00
	6	-52.81	475.35	-180.22	0.00	0.00	0.00
	7	-1.51	58.04	-44.10	0.00	0.00	0.00
	8	-1.51	58.04	-44.10	0.00	0.00	0.00
	9	0.61	-5.34	3.76	0.00	0.00	0.00
	10	0.61	-5.34	3.76	0.00	0.00	0.00
	11	-24.19	168.59	-71.14	0.00	0.00	0.00
	12	-24.19	168.59	-71.14	0.00	0.00	0.00
	13	-4.42	46.38	-77.50	0.00	0.00	0.00
	14	-4.42	46.38	-77.50	0.00	0.00	0.00
	15	-22.11	148.42	-155.95	0.00	0.00	0.00
	16	-22.11	148.42	-155.95	0.00	0.00	0.00
	17	-22.41	153.65	-155.90	0.00	0.00	0.00
	18	-22.41	153.65	-155.90	0.00	0.00	0.00
	19	-37.94	-369.64	-24.50	0.00	0.00	0.00
	20	-1.51	58.04	-44.10	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KN METE STRUCTURE TYPE = SPACE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	21	-22.41	153.65	-155.90	0.00	0.00	0.00
36	1	128.98	2074.19	-362.95	0.00	0.00	0.00
	2	-13.12	70.81	3.83	0.00	0.00	0.00
	3	-0.17	1.33	-0.93	0.00	0.00	0.00
	4	6.94	-27.30	-9.04	0.00	0.00	0.00
	5	25.38	205.12	-159.47	0.00	0.00	0.00
	6	53.09	482.65	-179.26	0.00	0.00	0.00
	7	0.13	704.39	-61.39	0.00	0.00	0.00
	8	0.13	704.39	-61.39	0.00	0.00	0.00
	9	0.39	-5.98	2.84	0.00	0.00	0.00
	10	0.39	-5.98	2.84	0.00	0.00	0.00
	11	16.25	700.48	-102.76	0.00	0.00	0.00
	12	16.25	700.48	-102.76	0.00	0.00	0.00
	13	2.33	457.36	-108.55	0.00	0.00	0.00
	14	2.33	457.36	-108.55	0.00	0.00	0.00
	15	31.89	799.63	-209.96	0.00	0.00	0.00
	16	31.89	799.63	-209.96	0.00	0.00	0.00
	17	32.86	818.01	-209.81	0.00	0.00	0.00
	18	32.86	818.01	-209.81	0.00	0.00	0.00
	19	63.67	1166.03	-64.22	0.00	0.00	0.00
	20	0.13	704.39	-61.39	0.00	0.00	0.00
	21	32.86	818.01	-209.81	0.00	0.00	0.00

***** END OF LATEST ANALYSIS RESULT *****

2010. START CONCRETE DESIGN

STAAD SPACE

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2011. CODE INDIAN
2012. FC 25000 ALL
2013. FYMAIN 415000 ALL
2014. FYSEC 415000 ALL
2015. DESIGN BEAM 1 TO 38 51 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 -
2016. 86 88 91 101 103 105 107 109 111 113 115 117 119 122 132 134 136 138 140 -
2017. 142 144 146 148 150 153 163 165 167 169 171 173 175 177 179 181 184 194 196 -
2018. 198 200 202 204 206 208 210 212

STAAD SPACE

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*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 1 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

=====

B E A M N O. 1 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1997.49
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

=====

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 2 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 240

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B E A M N O. 2 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	7780.38	7520.46	7274.93	7037.92	6809.12
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	3926.40	3732.15	3539.39	3348.09	1971.39
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	39-16i	38-16i	37-16i	36-16i	34-16i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	8-25i	8-25i	8-25i	7-25i	6-25i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 3 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 3 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

Section fails while designing section: 0.0 mm
 Nominal shear force exceeds tauc_max limit

STAAD SPACE

-- PAGE NO. 241

DESIGN LOAD SUMMARY (KN MET)

SECTION (in mm)	FLEXURE (Maxm. Sagging/Hogging moments)				SHEAR		
	P	MZ	MX	Load Case	VY	MX	Load Case
0.0	0.00	140.68	-237.36	12	1000.71	-2263.50	1
	0.00	-2580.01	-2263.50	1			
41.7	0.00	147.73	-237.36	11	999.73	-2263.50	1
	0.00	-2538.33	-2263.50	1			
83.3	0.00	154.78	-237.36	12	998.75	-2263.50	1
	0.00	-2496.70	-2263.50	1			
125.0	0.00	161.83	-237.36	11	997.76	-2263.50	1
	0.00	-2455.10	-2263.50	1			
166.7	0.00	168.88	-237.36	12	996.78	-2263.50	1
	0.00	-2413.55	-2263.50	1			
208.3	0.00	175.94	-237.36	11	995.80	-2263.50	1
	0.00	-2372.04	-2263.50	1			
250.0	0.00	182.99	-237.36	12	994.82	-2263.50	1
	0.00	-2330.57	-2263.50	1			
291.7	0.00	190.04	-237.36	11	993.84	-2263.50	1
	0.00	-2289.14	-2263.50	1			
333.3	0.00	7.37	-1127.69	5	992.86	-2263.50	1
	0.00	-2247.75	-2263.50	1			
375.0	0.00	23.25	-1127.69	5	991.87	-2263.50	1
	0.00	-2206.40	-2263.50	1			
416.7	0.00	39.13	-1127.69	5	990.89	-2263.50	1
	0.00	-2165.09	-2263.50	1			
458.3	0.00	55.01	-1127.69	5	989.91	-2263.50	1
	0.00	-2123.83	-2263.50	1			
500.0	0.00	70.90	-1127.69	5	988.93	-2263.50	1
	0.00	-2082.60	-2263.50	1			

B E A M N O. 4 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP REINF.	1986.75 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	0.00 (Sq. mm)	0.00 (Sq. mm)
BOTTOM REINF.	1986.75 (Sq. mm)	2657.09 (Sq. mm)	3752.84 (Sq. mm)	3753.00 (Sq. mm)	2657.55 (Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP REINF.	10-16i 1 layer(s)	10-16i 1 layer(s)	10-16i 1 layer(s)	2-16i 1 layer(s)	2-16i 1 layer(s)
BOTTOM REINF.	6-25i 1 layer(s)	6-25i 1 layer(s)	8-25i 1 layer(s)	8-25i 1 layer(s)	6-25i 1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i

REINF. @ 90 mm c/c @ 90 mm c/c @ 90 mm c/c @ 90 mm c/c @ 90 mm c/c

STAAD SPACE

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Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 5 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 30000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP REINF.	3310.42 (Sq. mm)	0.00 (Sq. mm)	1980.60 (Sq. mm)	1986.75 (Sq. mm)	6899.78 (Sq. mm)
BOTTOM REINF.	1986.75 (Sq. mm)	2225.40 (Sq. mm)	3567.81 (Sq. mm)	1986.75 (Sq. mm)	1986.75 (Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP REINF.	11-20i 1 layer(s)	2-20i 1 layer(s)	7-20i 1 layer(s)	7-20i 1 layer(s)	22-20i 2 layer(s)
BOTTOM REINF.	26-10i 1 layer(s)	29-10i 2 layer(s)	46-10i 2 layer(s)	26-10i 1 layer(s)	26-10i 1 layer(s)
SHEAR REINF.	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c

SHEAR DESIGN RESULTS AT DISTANCE d (EFFECTIVE DEPTH) FROM FACE OF THE SUPPORT

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM START SUPPORT

VY = 297.15 MX = -42.71 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM END SUPPORT

VY = -364.22 MX = -42.71 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 6 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 30000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

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SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	3310.42	0.00	1980.60	1986.75	6899.78
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1986.75	2225.40	3567.81	1986.75	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	11-20i	2-20i	7-20i	7-20i	22-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	26-10i	29-10i	46-10i	26-10i	26-10i
REINF.	1 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

SHEAR DESIGN RESULTS AT DISTANCE d (EFFECTIVE DEPTH) FROM FACE OF THE SUPPORT

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM START SUPPORT

VY = 297.15 MX = 42.71 LD= 1
 Provide 2 Legged 8i @ 90 mm c/c

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM END SUPPORT

VY = -364.22 MX = 42.71 LD= 1
 Provide 2 Legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 7 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	1986.75	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1986.75	2657.09	3752.84	3753.00	2657.55
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	6-25i	6-25i	8-25i	8-25i	6-25i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 8 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 8 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

STAAD SPACE

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Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 9 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 9 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	6713.44	6381.94	6060.41	5755.10	5459.26
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	3179.10	3134.25	3089.48	3044.79	3000.17
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	34-16i	32-16i	31-16i	29-16i	28-16i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	16-16i	16-16i	16-16i	16-16i	15-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 10i	2 legged 10i	2 legged 10i	2 legged 10i	2 legged 10i
REINF.	@ 60 mm c/c	@ 60 mm c/c	@ 60 mm c/c	@ 60 mm c/c	@ 60 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 10 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 246

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B E A M N O. 10 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

Section fails while designing section: 0.0 mm
 Nominal shear force exceeds tauc_max limit

=====

DESIGN LOAD SUMMARY (KN MET)

SECTION (in mm)	FLEXURE (Maxm. Sagging/Hogging moments)				SHEAR		
	P	MZ	MX	Load Case	VY	MX	Load Case
0.0	0.00	16.16	22.15	9	722.95	1700.97	4
	0.00	-4778.72	300.74	1			
41.7	0.00	15.96	22.15	10	722.95	1700.97	4
	0.00	-4686.66	300.74	1			
83.3	0.00	15.76	22.15	10	722.95	1700.97	4
	0.00	-4594.65	300.74	1			
125.0	0.00	15.55	22.15	9	722.95	1700.97	4
	0.00	-4502.68	300.74	1			
166.7	0.00	15.35	22.15	9	722.95	1700.97	4
	0.00	-4410.74	300.74	1			
208.3	0.00	15.15	22.15	10	722.95	1700.97	4
	0.00	-4318.85	300.74	1			
250.0	0.00	14.94	22.15	10	722.95	1700.97	4
	0.00	-4227.00	300.74	1			
291.7	0.00	14.74	22.15	9	722.95	1700.97	4
	0.00	-4135.19	300.74	1			
333.3	0.00	14.54	22.15	9	722.95	1700.97	4
	0.00	-4043.43	300.74	1			
375.0	0.00	14.34	22.15	9	722.95	1700.97	4
	0.00	-3951.70	300.74	1			
416.7	0.00	14.13	22.15	10	722.95	1700.97	4
	0.00	-3860.01	300.74	1			
458.3	0.00	13.93	22.15	9	722.95	1700.97	4
	0.00	-3768.37	300.74	1			
500.0	0.00	13.73	22.15	9	722.95	1700.97	4
	0.00	-3676.76	300.74	1			

=====

B E A M N O. 11 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

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SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP REINF.	2960.11 (Sq. mm)	1986.75 (Sq. mm)	1986.75 (Sq. mm)	1986.75 (Sq. mm)	1986.75 (Sq. mm)
BOTTOM REINF.	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	38-10i	26-10i	26-10i	26-10i	26-10i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 12 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 30000.0 mm

SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	6032.87	1986.75	1980.60	1986.75	5528.21
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1986.75	1986.75	2566.40	1986.75	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	31-16i	10-16i	10-16i	10-16i	28-16i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	26-10i	26-10i	33-10i	26-10i	26-10i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

SHEAR DESIGN RESULTS AT DISTANCE d (EFFECTIVE DEPTH) FROM FACE OF THE SUPPORT

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM START SUPPORT

VY = 335.22 MX = 2.35 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

STAAD SPACE

-- PAGE NO. 248

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM END SUPPORT

VY = -326.15 MX = 2.35 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

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B E A M N O. 13 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 30000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	6032.87	1986.75	1980.60	1986.75	5528.21
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1986.75	1986.75	2566.40	1986.75	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	31-16i	10-16i	10-16i	10-16i	28-16i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	26-10i	26-10i	33-10i	26-10i	26-10i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

SHEAR DESIGN RESULTS AT DISTANCE d (EFFECTIVE DEPTH) FROM FACE OF THE SUPPORT

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM START SUPPORT

VY = 335.22 MX = -2.35 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM END SUPPORT

VY = -326.15 MX = -2.35 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

STAAD SPACE

-- PAGE NO. 249

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B E A M N O. 14 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	2960.11	1986.75	1986.75	1986.75	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	38-10i	26-10i	26-10i	26-10i	26-10i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 15 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 15 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

-- PAGE NO. 250

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 16 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 16 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	5921.08	5637.79	5363.10	5096.72	4838.35
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	19-20i	18-20i	18-20i	17-20i	16-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 17 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 17 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	125.0 mm	250.0 mm	375.0 mm	500.0 mm
TOP	16141.61	15292.53	14446.12	13602.63	12762.37
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	4935.13	4045.78	3155.77	2264.75	1976.51
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	125.0 mm	250.0 mm	375.0 mm	500.0 mm
TOP	33-25i	32-25i	30-25i	28-25i	26-25i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	44-12i	36-12i	28-12i	21-12i	18-12i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c

STAAD SPACE

-- PAGE NO. 252

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 18 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP REINF.	2560.31 (Sq. mm)	1986.75 (Sq. mm)	1986.75 (Sq. mm)	1986.75 (Sq. mm)	1986.75 (Sq. mm)
BOTTOM REINF.	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP REINF.	33-10i 2 layer(s)	26-10i 1 layer(s)	26-10i 1 layer(s)	26-10i 1 layer(s)	26-10i 1 layer(s)
BOTTOM REINF.	10-16i 1 layer(s)	10-16i 1 layer(s)	10-16i 1 layer(s)	10-16i 1 layer(s)	10-16i 1 layer(s)
SHEAR REINF.	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 19 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 30000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP REINF.	5615.82 (Sq. mm)	1984.70 (Sq. mm)	1984.70 (Sq. mm)	1984.70 (Sq. mm)	5615.82 (Sq. mm)
BOTTOM REINF.	1984.70 (Sq. mm)	1984.70 (Sq. mm)	2675.58 (Sq. mm)	1984.70 (Sq. mm)	1984.70 (Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	28-16i	10-16i	10-16i	10-16i	28-16i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	18-12i	18-12i	24-12i	18-12i	18-12i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

SHEAR DESIGN RESULTS AT DISTANCE d (EFFECTIVE DEPTH) FROM FACE OF THE SUPPORT

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM START SUPPORT

VY = 330.69 MX = 0.00 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM END SUPPORT

VY = -330.69 MX = 0.00 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 20 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 30000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	5615.82	1984.70	1984.70	1984.70	5615.82
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1984.70	1984.70	2675.58	1984.70	1984.70
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	28-16i	10-16i	10-16i	10-16i	28-16i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	18-12i	18-12i	24-12i	18-12i	18-12i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

SHEAR DESIGN RESULTS AT DISTANCE d (EFFECTIVE DEPTH) FROM FACE OF THE SUPPORT

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM START SUPPORT

VY = 330.69 MX = 0.00 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM END SUPPORT

VY = -330.69 MX = 0.00 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 21 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	2560.31	1986.75	1986.75	1986.75	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	33-10i	26-10i	26-10i	26-10i	26-10i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 22 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 22 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

STAAD SPACE

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Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 23 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 23 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	5921.08	5637.79	5363.11	5096.72	4838.36
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	19-20i	18-20i	18-20i	17-20i	16-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 160 mm c/c	@ 160 mm c/c	@ 160 mm c/c	@ 160 mm c/c	@ 160 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 24 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 257

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B E A M N O. 24 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	125.0 mm	250.0 mm	375.0 mm	500.0 mm
TOP	16141.61	15292.53	14446.12	13602.63	12762.37
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	4935.13	4045.78	3155.77	2264.75	1976.51
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	125.0 mm	250.0 mm	375.0 mm	500.0 mm
TOP	33-25i	32-25i	30-25i	28-25i	26-25i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	44-12i	36-12i	28-12i	21-12i	18-12i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

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B E A M N O. 25 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	2524.98	1986.75	1986.75	1986.75	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	33-10i	26-10i	26-10i	26-10i	26-10i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 26 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 30000.0 mm

SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	5528.21	1986.75	1980.60	1986.75	6032.87
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1986.75	1986.75	2566.40	1986.75	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	28-16i	10-16i	10-16i	10-16i	31-16i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	26-10i	26-10i	33-10i	26-10i	26-10i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

SHEAR DESIGN RESULTS AT DISTANCE d (EFFECTIVE DEPTH) FROM FACE OF THE SUPPORT

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM START SUPPORT

VY = 326.15 MX = -2.35 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

STAAD SPACE

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SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM END SUPPORT

VY = -335.22 MX = -2.35 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

=====

B E A M N O. 27 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 30000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	5528.21	1986.75	1980.60	1986.75	6032.87
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1986.75	1986.75	2566.40	1986.75	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	28-16i	10-16i	10-16i	10-16i	31-16i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	26-10i	26-10i	33-10i	26-10i	26-10i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

SHEAR DESIGN RESULTS AT DISTANCE d (EFFECTIVE DEPTH) FROM FACE OF THE SUPPORT

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM START SUPPORT

VY = 326.15 MX = 2.35 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM END SUPPORT

VY = -335.22 MX = 2.35 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

STAAD SPACE

-- PAGE NO. 260

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B E A M N O. 28 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	2524.98	1986.75	1986.75	1986.75	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	33-10i	26-10i	26-10i	26-10i	26-10i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 29 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 29 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

-- PAGE NO. 261

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 30 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 30 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	6713.44	6381.94	6060.41	5755.10	5459.26
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	3089.49	3053.34	3017.24	2983.12	2949.07
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

-- PAGE NO. 262

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	34-16i	32-16i	31-16i	29-16i	28-16i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-20i	10-20i	10-20i	10-20i	10-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 10i	2 legged 10i	2 legged 10i	2 legged 10i	2 legged 10i
REINF.	@ 60 mm c/c	@ 60 mm c/c	@ 60 mm c/c	@ 60 mm c/c	@ 60 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 31 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 31 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

Section fails while designing section: 0.0 mm

Nominal shear force exceeds τ_{auc_max} limit

DESIGN LOAD SUMMARY (KN MET)

SECTION (in mm)	FLEXURE (Maxm. Sagging/Hogging moments)				SHEAR		
	P	MZ	MX	Load Case	VY	MX	Load Case
0.0	0.00	19.48	138.97	4	734.71	-1665.83	16
	0.00	-4778.72	-300.74	1			
41.7	0.00	20.14	138.97	4	734.71	-1665.83	16
	0.00	-4686.66	-300.74	1			
83.3	0.00	20.80	138.97	4	734.71	-1665.83	16
	0.00	-4594.65	-300.74	1			
125.0	0.00	21.45	138.97	4	734.71	-1665.83	16
	0.00	-4502.68	-300.74	1			
166.7	0.00	22.11	138.97	4	734.71	-1665.83	16
	0.00	-4410.74	-300.74	1			
208.3	0.00	22.77	138.97	4	734.71	-1665.83	16
	0.00	-4318.85	-300.74	1			
250.0	0.00	23.42	138.97	4	734.71	-1665.83	16
	0.00	-4227.00	-300.74	1			
291.7	0.00	24.08	138.97	4	734.71	-1665.83	16
	0.00	-4135.19	-300.74	1			
333.3	0.00	24.74	138.97	4	734.71	-1665.83	16
	0.00	-4043.43	-300.74	1			
375.0	0.00	25.39	138.97	4	734.71	-1665.83	16
	0.00	-3951.70	-300.74	1			
416.7	0.00	26.05	138.97	4	734.71	-1665.83	16
	0.00	-3860.01	-300.74	1			

458.3		0.00	26.71	138.97	4		734.71	-1665.83	16
		0.00	-3768.37	-300.74	1				
500.0		0.00	27.37	138.97	4		734.71	-1665.83	16
		0.00	-3676.76	-300.74	1				

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STAAD SPACE

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B E A M N O. 32 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP REINF.	3377.34 (Sq. mm)	1984.70 (Sq. mm)	1984.70 (Sq. mm)	1984.70 (Sq. mm)	1984.70 (Sq. mm)
BOTTOM REINF.	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	2399.42 (Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP REINF.	30-12i 2 layer(s)	18-12i 1 layer(s)	18-12i 1 layer(s)	18-12i 1 layer(s)	18-12i 1 layer(s)
BOTTOM REINF.	10-16i 1 layer(s)	10-16i 1 layer(s)	10-16i 1 layer(s)	10-16i 1 layer(s)	12-16i 1 layer(s)
SHEAR REINF.	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c	2 legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

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B E A M N O. 33 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 30000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP REINF.	6899.78 (Sq. mm)	1986.75 (Sq. mm)	1980.60 (Sq. mm)	1983.22 (Sq. mm)	3310.41 (Sq. mm)
BOTTOM REINF.	1986.75 (Sq. mm)	1986.75 (Sq. mm)	3567.81 (Sq. mm)	2225.40 (Sq. mm)	1986.75 (Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	22-20i	7-20i	7-20i	7-20i	11-20i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	26-10i	26-10i	46-10i	29-10i	26-10i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

SHEAR DESIGN RESULTS AT DISTANCE d (EFFECTIVE DEPTH) FROM FACE OF THE SUPPORT

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM START SUPPORT

VY = 364.22 MX = 42.71 LD= 1
 Provide 2 Legged 8i @ 90 mm c/c

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM END SUPPORT

VY = -297.15 MX = 42.71 LD= 1
 Provide 2 Legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O . 3 4 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 30000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	6899.78	1986.75	1980.60	1983.22	3310.41
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1986.75	1986.75	3567.80	2225.40	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	7500.0 mm	15000.0 mm	22500.0 mm	30000.0 mm
TOP	22-20i	7-20i	7-20i	7-20i	11-20i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	26-10i	26-10i	46-10i	29-10i	26-10i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

SHEAR DESIGN RESULTS AT DISTANCE d (EFFECTIVE DEPTH) FROM FACE OF THE SUPPORT

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM START SUPPORT

VY = 364.22 MX = -42.71 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

SHEAR DESIGN RESULTS AT 965.0 mm AWAY FROM END SUPPORT

VY = -297.15 MX = -42.71 LD= 1

Provide 2 Legged 8i @ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 35 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	3377.34	1986.75	1986.75	1986.75	1984.70
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1986.75	1986.75	1986.75	1986.75	2349.55
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	30-12i	18-12i	18-12i	18-12i	18-12i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	26-10i	26-10i	26-10i	26-10i	30-10i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 36 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 36 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1997.49
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

STAAD SPACE

-- PAGE NO. 267

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 37 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 37 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	7780.38	7520.45	7274.93	7037.91	6809.12
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	3877.56	3692.07	3507.94	1996.14	1971.39
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	39-16i	38-16i	37-16i	36-16i	34-16i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	8-25i	8-25i	8-25i	6-25i	6-25i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 38 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 268

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B E A M N O. 38 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

Section fails while designing section: 0.0 mm
 Nominal shear force exceeds tauc_max limit

=====

DESIGN LOAD SUMMARY (KN MET)

SECTION (in mm)	FLEXURE (Maxm. Sagging/Hogging moments)				SHEAR		
	P	MZ	MX	Load Case	VY	MX	Load Case
0.0	0.00	6.78	-17.09	9	1000.71	2263.50	1
	0.00	-2580.01	2263.50	1			
41.7	0.00	6.98	-17.09	10	999.73	2263.50	1
	0.00	-2538.33	2263.50	1			
83.3	0.00	7.17	-17.09	10	998.75	2263.50	1
	0.00	-2496.70	2263.50	1			
125.0	0.00	7.37	-17.09	9	997.76	2263.50	1
	0.00	-2455.10	2263.50	1			
166.7	0.00	7.57	-17.09	10	996.78	2263.50	1
	0.00	-2413.55	2263.50	1			
208.3	0.00	7.76	-17.09	9	995.80	2263.50	1
	0.00	-2372.04	2263.50	1			
250.0	0.00	7.96	-17.09	10	994.82	2263.50	1
	0.00	-2330.57	2263.50	1			
291.7	0.00	8.16	-17.09	10	993.84	2263.50	1
	0.00	-2289.14	2263.50	1			
333.3	0.00	8.35	-17.09	9	992.86	2263.50	1
	0.00	-2247.75	2263.50	1			
375.0	0.00	8.55	-17.09	10	991.87	2263.50	1
	0.00	-2206.40	2263.50	1			
416.7	0.00	8.75	-17.09	9	990.89	2263.50	1
	0.00	-2165.09	2263.50	1			
458.3	0.00	8.94	-17.09	10	989.91	2263.50	1
	0.00	-2123.83	2263.50	1			
500.0	0.00	0.21	47.90	4	988.93	2263.50	1
	0.00	-2082.60	2263.50	1			

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 51 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 51 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

-- PAGE NO. 269

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	2987.48	3291.93	3607.95	3942.12	4292.07
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	27-12i	30-12i	32-12i	35-12i	38-12i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 190 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 52 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 15000.0 mm

SIZE: 1000.0 mm X 1000.0 mm

COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1984.70	1984.70	1984.70	1984.70	3377.34
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	2458.59	1971.39	1971.39	1971.39	1971.39
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

-- PAGE NO. 270

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	18-12i	18-12i	18-12i	18-12i	30-12i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	22-12i	18-12i	18-12i	18-12i	18-12i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 54 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 54 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	7083.11	7452.06	7840.72	8250.32	8682.25
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	0.00	0.00	0.00	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	23-20i	24-20i	25-20i	27-20i	28-20i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	2-16i	2-16i	2-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 100 mm c/c	@ 100 mm c/c	@ 100 mm c/c	@ 90 mm c/c	@ 90 mm c/c

STAAD SPACE

-- PAGE NO. 271

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 56 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 56 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

Section fails while designing section: 0.0 mm
 Nominal shear force exceeds tauc_max limit

=====

DESIGN LOAD SUMMARY (KN MET)

SECTION (in mm)	FLEXURE (Maxm. Sagging/Hogging moments)				SHEAR		
	P	MZ	MX	Load Case	VY	MX	Load Case
0.0	0.00	71.62	1131.48	17	-988.93	2263.50	1
	0.00	-2082.60	2263.50	1			
41.7	0.00	55.89	1131.48	17	-989.91	2263.50	1
	0.00	-2123.83	2263.50	1			
83.3	0.00	40.17	1131.48	17	-990.89	2263.50	1
	0.00	-2165.09	2263.50	1			
125.0	0.00	24.45	1131.48	17	-991.87	2263.50	1
	0.00	-2206.40	2263.50	1			
166.7	0.00	8.73	1131.48	17	-992.86	2263.50	1
	0.00	-2247.75	2263.50	1			
208.3	0.00	0.00	0.00	1	-993.84	2263.50	1
	0.00	-2289.14	2263.50	1			
250.0	0.00	0.00	0.00	1	-994.82	2263.50	1
	0.00	-2330.57	2263.50	1			
291.7	0.00	0.00	0.00	1	-995.80	2263.50	1
	0.00	-2372.04	2263.50	1			
333.3	0.00	0.00	0.00	1	-996.78	2263.50	1
	0.00	-2413.55	2263.50	1			
375.0	0.00	0.00	0.00	1	-997.76	2263.50	1
	0.00	-2455.11	2263.50	1			
416.7	0.00	0.00	0.00	1	-998.75	2263.50	1
	0.00	-2496.70	2263.50	1			
458.3	0.00	0.00	0.00	1	-999.73	2263.50	1
	0.00	-2538.33	2263.50	1			
500.0	0.00	0.00	0.00	1	-1000.71	2263.50	1
	0.00	-2580.01	2263.50	1			

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*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 58 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 272

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B E A M N O. 58 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	2995.90	2968.27	2951.23	2944.78	2948.90
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	15-16i	15-16i	15-16i	15-16i	15-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 140 mm c/c	@ 140 mm c/c	@ 140 mm c/c	@ 150 mm c/c	@ 150 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 60 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 60 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

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SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	2948.90	2944.78	2951.23	2968.26	2995.89
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	0.00	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	15-16i	15-16i	15-16i	15-16i	15-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	2-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 150 mm c/c	@ 150 mm c/c	@ 150 mm c/c	@ 140 mm c/c	@ 140 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 62 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 62 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	6809.12	7037.91	7274.92	7520.45	7780.37
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1971.39	1971.39	3541.75	3738.12	3936.04
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

-- PAGE NO. 274

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	34-16i	36-16i	37-16i	38-16i	39-16i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	18-12i	18-12i	32-12i	34-12i	35-12i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 64 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 64 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	8682.22	8250.29	7840.70	7452.04	7083.10
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	28-20i	27-20i	25-20i	24-20i	23-20i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 100 mm c/c	@ 100 mm c/c	@ 100 mm c/c

STAAD SPACE

-- PAGE NO. 275

Provide 2-20i along each face of the beam (Side face reinf.)

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*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 66 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 66 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	4292.10	3942.15	3607.97	3291.94	2987.49
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	38-12i	35-12i	32-12i	30-12i	27-12i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 190 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

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*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 68 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 276

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B E A M N O. 68 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1997.48	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

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B E A M N O. 70 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	1984.70	1984.70	1984.70	1984.70	3377.34
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	2348.61	1984.70	1984.70	1984.70	1984.70
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

-- PAGE NO. 277

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	18-12i	18-12i	18-12i	18-12i	30-12i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	30-10i	26-10i	26-10i	26-10i	26-10i
REINF.	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 72 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 72 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	2331.08	3049.38	3813.82	4617.16	5460.24
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	21-12i	27-12i	34-12i	41-12i	49-12i
REINF.	1 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

STAAD SPACE

-- PAGE NO. 278

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 74 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 74 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	6908.28	8277.38	9744.53	11348.06	12391.54
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	22-20i	27-20i	32-20i	37-20i	40-20i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 190 mm c/c	@ 190 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 76 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 279

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B E A M N O. 76 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

Section fails while designing section: 0.0 mm
 Nominal shear force exceeds τ_{auc_max} limit

=====

DESIGN LOAD SUMMARY (KN MET)

SECTION (in mm)	FLEXURE (Maxm. Sagging/Hogging moments)				SHEAR		
	P	MZ	MX	Load Case	VY	MX	Load Case
0.0	0.00	11.52	-15.41	10	-715.11	-1674.20	5
	0.00	-3676.76	-300.74	1			
41.7	0.00	11.48	-15.41	10	-715.11	-1674.20	5
	0.00	-3768.37	-300.74	1			
83.3	0.00	11.45	-15.41	10	-715.11	-1674.20	5
	0.00	-3860.01	-300.74	1			
125.0	0.00	11.42	-15.41	10	-715.11	-1674.20	5
	0.00	-3951.70	-300.74	1			
166.7	0.00	11.38	-15.41	9	-715.11	-1674.20	5
	0.00	-4043.43	-300.74	1			
208.3	0.00	11.35	-15.41	9	-715.11	-1674.20	5
	0.00	-4135.19	-300.74	1			
250.0	0.00	11.32	-15.41	9	-715.11	-1674.20	5
	0.00	-4227.00	-300.74	1			
291.7	0.00	11.29	-15.41	9	-715.11	-1674.20	5
	0.00	-4318.85	-300.74	1			
333.3	0.00	11.25	-15.41	9	-715.11	-1674.20	5
	0.00	-4410.74	-300.74	1			
375.0	0.00	11.22	-15.41	9	-715.11	-1674.20	5
	0.00	-4502.68	-300.74	1			
416.7	0.00	11.19	-15.41	9	-715.11	-1674.20	5
	0.00	-4594.65	-300.74	1			
458.3	0.00	11.15	-15.41	9	-715.11	-1674.20	5
	0.00	-4686.66	-300.74	1			
500.0	0.00	11.12	-15.41	9	-715.11	-1674.20	5
	0.00	-4778.72	-300.74	1			

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 78 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 78 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

-- PAGE NO. 280

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	4763.72	4636.09	4513.00	4409.25	4317.10
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	24-16i	24-16i	23-16i	22-16i	22-16i
REINF.	2 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 80 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 80 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	4317.10	4409.25	4513.00	4636.08	4763.72
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

-- PAGE NO. 281

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	22-16i	22-16i	23-16i	24-16i	24-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 82 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 82 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	5459.26	5755.10	6060.41	6381.94	6713.44
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	2951.17	2989.31	3027.51	3065.76	3104.07
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	28-16i	29-16i	31-16i	32-16i	34-16i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-20i	10-20i	10-20i	10-20i	10-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 80 mm c/c	@ 80 mm c/c	@ 80 mm c/c	@ 80 mm c/c	@ 80 mm c/c

STAAD SPACE

-- PAGE NO. 282

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 84 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 84 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	12391.52	11348.06	9744.53	8277.40	6908.31
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	40-20i	37-20i	32-20i	27-20i	22-20i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 190 mm c/c	@ 190 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 86 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 86 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	5460.28	4617.17	3813.83	3049.37	2331.05
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	49-12i	41-12i	34-12i	27-12i	21-12i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 88 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 88 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

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SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 91 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1986.75	1986.75	1986.75	1986.75	2524.98
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	26-10i	26-10i	26-10i	26-10i	33-10i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 101 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 15000.0 mm

SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	1986.75	1986.75	1986.75	1986.75	2524.98
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	26-10i	26-10i	26-10i	26-10i	33-10i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

STAAD SPACE

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*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 103 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 103 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	2013.34	2805.97	3658.88	4554.08	5500.82
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	18-12i	25-12i	33-12i	41-12i	49-12i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

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*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 105 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 287

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B E A M N O. 105 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	6152.31	7618.74	9214.21	11002.00	12295.66
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	20-20i	25-20i	30-20i	36-20i	40-20i
REINF.	1 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 160 mm c/c	@ 170 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 107 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 107 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

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SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	125.0 mm	250.0 mm	375.0 mm	500.0 mm
TOP	12762.37	13602.63	14446.12	15292.53	16141.61
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1976.51	2264.75	3155.77	4045.78	4935.13
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	125.0 mm	250.0 mm	375.0 mm	500.0 mm
TOP	26-25i	28-25i	30-25i	32-25i	33-25i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	18-12i	21-12i	28-12i	36-12i	44-12i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 109 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 109 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	4696.32	4507.33	4330.98	4167.00	4015.14
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	15-20i	15-20i	14-20i	14-20i	13-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 111 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 111 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	4015.14	4167.00	4330.98	4507.33	4696.32
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	13-20i	14-20i	14-20i	15-20i	15-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

STAAD SPACE

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Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 113 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 113 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	4838.35	5096.72	5363.10	5637.79	5921.08
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	16-20i	17-20i	18-20i	18-20i	19-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 115 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 291

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B E A M N O. 115 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	12295.64	11001.98	9214.21	7618.76	6152.34
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	40-20i	36-20i	30-20i	25-20i	20-20i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 170 mm c/c	@ 160 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 117 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 117 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

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SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	5500.86	4554.10	3658.88	2805.96	2013.32
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	49-12i	41-12i	33-12i	25-12i	18-12i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 119 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 119 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	0.00	0.00	0.00	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	2-16i	2-16i	2-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 122 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 15000.0 mm

SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1986.75	1986.75	1986.75	1986.75	2560.31
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	26-10i	26-10i	26-10i	26-10i	33-10i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

STAAD SPACE

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B E A M N O. 132 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	1986.75	1986.75	1986.75	1986.75	2560.31
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	26-10i	26-10i	26-10i	26-10i	33-10i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 134 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 134 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

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SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	2013.34	2805.97	3658.88	4554.08	5500.82
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	18-12i	25-12i	33-12i	41-12i	49-12i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 136 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 136 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	6152.31	7618.74	9214.21	11002.00	12295.66
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	20-20i	25-20i	30-20i	36-20i	40-20i
REINF.	1 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 160 mm c/c	@ 170 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 138 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 138 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	125.0 mm	250.0 mm	375.0 mm	500.0 mm
TOP	12762.37	13602.63	14446.12	15292.53	16141.61
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1976.51	2264.75	3155.77	4045.78	4935.13
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	125.0 mm	250.0 mm	375.0 mm	500.0 mm
TOP	26-25i	28-25i	30-25i	32-25i	33-25i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	18-12i	21-12i	28-12i	36-12i	44-12i
REINF.	1 layer(s)	1 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c

STAAD SPACE

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Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 140 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 140 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	4696.32	4507.33	4330.98	4167.00	4015.14
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	15-20i	15-20i	14-20i	14-20i	13-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 142 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

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B E A M N O. 142 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	4015.14	4167.00	4330.98	4507.33	4696.32
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	13-20i	14-20i	14-20i	15-20i	15-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 144 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 144 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

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SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	4838.35	5096.72	5363.10	5637.79	5921.08
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	16-20i	17-20i	18-20i	18-20i	19-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 10i	2 legged 10i	2 legged 10i	2 legged 10i	2 legged 10i
REINF.	@ 100 mm c/c	@ 100 mm c/c	@ 100 mm c/c	@ 100 mm c/c	@ 100 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 146 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 146 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	12295.64	11001.98	9214.21	7618.76	6152.34
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	40-20i	36-20i	30-20i	25-20i	20-20i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 170 mm c/c	@ 160 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 148 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 148 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	5500.86	4554.10	3658.88	2805.96	2013.32
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	49-12i	41-12i	33-12i	25-12i	18-12i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

STAAD SPACE

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Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 150 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 150 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	0.00
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	2-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

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B E A M N O. 153 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

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SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	1986.75	1986.75	1986.75	1986.75	2960.11
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	26-10i	26-10i	26-10i	26-10i	38-10i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 163 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	1986.75	1986.75	1986.75	1986.75	2960.11
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	26-10i	26-10i	26-10i	26-10i	38-10i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 165 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 165 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	2331.08	3049.38	3813.82	4617.16	5460.24
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	21-12i	27-12i	34-12i	41-12i	49-12i
REINF.	1 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

STAAD SPACE

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Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 167 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 167 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	6908.28	8277.38	9744.53	11348.07	12391.54
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	22-20i	27-20i	32-20i	37-20i	40-20i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 190 mm c/c	@ 190 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 169 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 305

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B E A M N O. 169 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

Section fails while designing section: 0.0 mm

Nominal shear force exceeds tauc_max limit

=====

DESIGN LOAD SUMMARY (KN MET)

SECTION (in mm)	FLEXURE (Maxm. Sagging/Hogging moments)				SHEAR		
	P	MZ	MX	Load Case	VY	MX	Load Case
0.0	0.00	69.44	471.61	14	-681.33	1621.45	5
	0.00	-3676.76	300.74	1			
41.7	0.00	69.14	471.61	13	-681.33	1621.45	5
	0.00	-3768.37	300.74	1			
83.3	0.00	68.85	471.61	14	-681.33	1621.45	5
	0.00	-3860.01	300.74	1			
125.0	0.00	68.55	471.61	14	-681.33	1621.45	5
	0.00	-3951.70	300.74	1			
166.7	0.00	68.25	471.61	13	-681.33	1621.45	5
	0.00	-4043.43	300.74	1			
208.3	0.00	67.95	471.61	13	-681.33	1621.45	5
	0.00	-4135.19	300.74	1			
250.0	0.00	67.66	471.61	14	-681.33	1621.45	5
	0.00	-4227.00	300.74	1			
291.7	0.00	67.36	471.61	14	-681.33	1621.45	5
	0.00	-4318.85	300.74	1			
333.3	0.00	67.06	471.61	13	-681.33	1621.45	5
	0.00	-4410.74	300.74	1			
375.0	0.00	66.76	471.61	14	-681.33	1621.45	5
	0.00	-4502.68	300.74	1			
416.7	0.00	66.47	471.61	14	-681.33	1621.45	5
	0.00	-4594.65	300.74	1			
458.3	0.00	66.17	471.61	13	-681.33	1621.45	5
	0.00	-4686.66	300.74	1			
500.0	0.00	65.87	471.61	13	-681.33	1621.45	5
	0.00	-4778.72	300.74	1			

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 171 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 171 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

-- PAGE NO. 306

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	4763.72	4636.09	4513.00	4409.25	4317.10
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	24-16i	24-16i	23-16i	22-16i	22-16i
REINF.	2 layer(s)	2 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 173 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 173 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	4317.10	4409.25	4513.00	4636.09	4763.72
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

-- PAGE NO. 307

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	22-16i	22-16i	23-16i	24-16i	24-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 175 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 175 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	5459.26	5755.10	6060.41	6381.94	6713.44
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	2718.36	2747.11	2777.60	2806.43	2836.95
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	28-16i	29-16i	31-16i	32-16i	34-16i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	35-10i	35-10i	36-10i	36-10i	37-10i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 80 mm c/c	@ 80 mm c/c	@ 80 mm c/c	@ 80 mm c/c	@ 80 mm c/c

STAAD SPACE

-- PAGE NO. 308

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 177 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 177 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	12391.52	11348.06	9744.53	8277.40	6908.31
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	40-20i	37-20i	32-20i	27-20i	22-20i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 190 mm c/c	@ 190 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 179 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 309

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B E A M N O. 179 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	5460.28	4617.17	3813.83	3049.37	2331.05
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	49-12i	41-12i	34-12i	27-12i	21-12i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 181 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 181 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

STAAD SPACE

-- PAGE NO. 310

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 184 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 15000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	2657.55	3753.00	3752.84	2657.09	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

-- PAGE NO. 311

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	6-25i	8-25i	8-25i	6-25i	6-25i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

B E A M N O. 194 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 15000.0 mm

SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	1980.60	1980.60	1980.60	1980.60	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	2657.55	3753.00	3752.84	2657.09	1986.75
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	3750.0 mm	7500.0 mm	11250.0 mm	15000.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	6-25i	8-25i	8-25i	6-25i	6-25i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

STAAD SPACE

-- PAGE NO. 312

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 196 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 196 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	2987.48	3291.92	3607.95	3942.12	4292.07
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	27-12i	30-12i	32-12i	35-12i	38-12i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 190 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

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*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 198 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

STAAD SPACE

-- PAGE NO. 313

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B E A M N O. 198 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	7083.10	7452.05	7840.71	8250.31	8682.24
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	23-20i	24-20i	25-20i	27-20i	28-20i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 100 mm c/c	@ 100 mm c/c	@ 100 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 200 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 200 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

Section fails while designing section: 0.0 mm
Nominal shear force exceeds tauc_max limit

STAAD SPACE

-- PAGE NO. 314

DESIGN LOAD SUMMARY (KN MET)

SECTION (in mm)	FLEXURE (Maxm. Sagging/Hogging moments)				SHEAR		
	P	MZ	MX	Load Case	VY	MX	Load Case
0.0	0.00	71.62	-1131.60	15	-988.93	-2263.49	1
	0.00	-2082.60	-2263.49	1			
41.7	0.00	55.93	-1131.60	15	-989.91	-2263.49	1
	0.00	-2123.83	-2263.49	1			
83.3	0.00	40.24	-1131.60	16	-990.89	-2263.49	1
	0.00	-2165.09	-2263.49	1			
125.0	0.00	24.56	-1131.60	15	-991.87	-2263.49	1
	0.00	-2206.40	-2263.49	1			
166.7	0.00	8.87	-1131.60	15	-992.86	-2263.49	1
	0.00	-2247.75	-2263.49	1			
208.3	0.00	150.03	-475.78	14	-993.84	-2263.49	1
	0.00	-2289.14	-2263.49	1			
250.0	0.00	141.41	-475.78	14	-994.82	-2263.49	1
	0.00	-2330.57	-2263.49	1			
291.7	0.00	132.79	-475.78	13	-995.80	-2263.49	1
	0.00	-2372.04	-2263.49	1			
333.3	0.00	124.17	-475.78	13	-996.78	-2263.49	1
	0.00	-2413.55	-2263.49	1			
375.0	0.00	115.54	-475.78	13	-997.76	-2263.49	1
	0.00	-2455.10	-2263.49	1			
416.7	0.00	106.92	-475.78	13	-998.75	-2263.49	1
	0.00	-2496.70	-2263.49	1			
458.3	0.00	98.30	-475.78	14	-999.73	-2263.49	1
	0.00	-2538.33	-2263.49	1			
500.0	0.00	89.67	-475.78	14	-1000.71	-2263.49	1
	0.00	-2580.01	-2263.49	1			

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 202 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 202 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP REINF.	2995.89 (Sq. mm)	2968.26 (Sq. mm)	2951.23 (Sq. mm)	2944.78 (Sq. mm)	2948.90 (Sq. mm)
BOTTOM REINF.	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	15-16i	15-16i	15-16i	15-16i	15-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 10i	2 legged 10i	2 legged 10i	2 legged 10i	2 legged 10i
REINF.	@ 100 mm c/c	@ 100 mm c/c	@ 110 mm c/c	@ 110 mm c/c	@ 110 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 204 IS LESS THAN 2.5.

DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 204 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	2955.71	2951.58	2958.05	2975.12	3134.97
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-20i	10-20i	10-20i	10-20i	10-20i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 160 mm c/c	@ 160 mm c/c	@ 160 mm c/c	@ 150 mm c/c	@ 150 mm c/c

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Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 206 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 206 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1000.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	6809.12	7037.91	7274.92	7520.45	7780.37
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1986.75	1986.75	1986.75	3414.34	3560.35
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	250.0 mm	500.0 mm	750.0 mm	1000.0 mm
TOP	34-16i	36-16i	37-16i	38-16i	39-16i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	26-10i	26-10i	26-10i	44-10i	46-10i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	2 layer(s)	2 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c	@ 50 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 208 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 208 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP REINF.	8682.21 (Sq. mm)	8250.29 (Sq. mm)	7840.69 (Sq. mm)	7452.04 (Sq. mm)	7083.10 (Sq. mm)
BOTTOM REINF.	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)	1980.60 (Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP REINF.	28-20i 2 layer(s)	27-20i 2 layer(s)	25-20i 2 layer(s)	24-20i 2 layer(s)	23-20i 2 layer(s)
BOTTOM REINF.	10-16i 1 layer(s)	10-16i 1 layer(s)	10-16i 1 layer(s)	10-16i 1 layer(s)	10-16i 1 layer(s)
SHEAR REINF.	2 legged 12i @ 90 mm c/c	2 legged 12i @ 90 mm c/c	2 legged 12i @ 100 mm c/c	2 legged 12i @ 100 mm c/c	2 legged 12i @ 100 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 210 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

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B E A M N O. 210 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

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SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	4292.10	3942.14	3607.97	3291.94	2987.48
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	38-12i	35-12i	32-12i	30-12i	27-12i
REINF.	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)	2 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i	2 legged 12i
REINF.	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 180 mm c/c	@ 190 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*** WARNING:LENGTH TO DEPTH RATIO FOR MEMBER 212 IS LESS THAN 2.5.
 DEEP BEAM IS NOT DESIGNED. ASSUMING IT TO BE A PART OF A
 CONTINUOUS BEAM AND AWAY FROM THE CRITICAL SECTION FOR
 ENHANCED SHEAR, ORDINARY SHEAR CHECK IS PERFORMED.,
 OTHERWISE PROVIDE ENSH AND RENSH PARAMETERS ***

B E A M N O. 212 D E S I G N R E S U L T S

M25

Fe415 (Main)

Fe415 (Sec.)

LENGTH: 1500.0 mm SIZE: 1000.0 mm X 1000.0 mm COVER: 25.0 mm

SUMMARY OF REINF. AREA (Sq.mm)

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	1997.48	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)
BOTTOM	1980.60	1980.60	1980.60	1980.60	1980.60
REINF.	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)	(Sq. mm)

STAAD SPACE

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SUMMARY OF PROVIDED REINF. AREA

SECTION	0.0 mm	375.0 mm	750.0 mm	1125.0 mm	1500.0 mm
TOP	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
BOTTOM	10-16i	10-16i	10-16i	10-16i	10-16i
REINF.	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)	1 layer(s)
SHEAR	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i	2 legged 8i
REINF.	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c	@ 90 mm c/c

Provide 2-20i along each face of the beam (Side face reinf.)

*****END OF BEAM DESIGN RESULTS*****

2019. DESIGN COLUMN 39 TO 50

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C O L U M N N O . 39 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 1 END JOINT: 2 SHORT COLUMN

REQD. STEEL AREA : 27648.14 Sq.mm.

REQD. CONCRETE AREA: 1739497.75 Sq.mm.

MAIN REINFORCEMENT : Provide 89 - 20 dia. (1.58%, 27960.18 Sq.mm.)
(Equally distributed)

TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

Puz : 28174.83 Muz1 : 5927.39 Muy1 : 5927.39

INTERACTION RATIO: 1.00 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

WORST LOAD CASE: 1

END JOINT: 2 Puz : 28268.45 Muz : 6041.78 Muy : 6041.77 IR: 0.98

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C O L U M N N O . 40 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 1 END JOINT: 3 SHORT COLUMN

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REQD. STEEL AREA : 27648.14 Sq.mm.
 REQD. CONCRETE AREA: 1739497.75 Sq.mm.
 MAIN REINFORCEMENT : Provide 89 - 20 dia. (1.58%, 27960.18 Sq.mm.)
 (Equally distributed)
 TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

 Puz : 28174.83 Muz1 : 5927.39 Muy1 : 5927.39

INTERACTION RATIO: 1.00 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

 WORST LOAD CASE: 1
 END JOINT: 3 Puz : 28268.45 Muz : 6041.78 Muy : 6041.77 IR: 0.98
 =====

C O L U M N N O . 41 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 2 END JOINT: 6 TENSION COLUMN

REQD. STEEL AREA : 14137.17 Sq.mm.
 REQD. CONCRETE AREA: 1753008.75 Sq.mm.
 MAIN REINFORCEMENT : Provide 29 - 25 dia. (0.81%, 14235.34 Sq.mm.)
 (Equally distributed)
 TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

 Puz : 24121.54 Muz1 : 2919.89 Muy1 : 2919.89

INTERACTION RATIO: 0.12 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

 WORST LOAD CASE: 6
 END JOINT: 6 Puz : 24151.00 Muz : 3286.09 Muy : 3285.55 IR: 0.73

STAAD SPACE

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C O L U M N N O . 42 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 9 END JOINT: 7 TENSION COLUMN

REQD. STEEL AREA : 14137.17 Sq.mm.

REQD. CONCRETE AREA: 1753008.75 Sq.mm.

MAIN REINFORCEMENT : Provide 29 - 25 dia. (0.81%, 14235.34 Sq.mm.)
(Equally distributed)

TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

Puz : 24121.54 Muz1 : 3013.01 Muy1 : 3013.01

INTERACTION RATIO: 0.01 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

WORST LOAD CASE: 17END JOINT: 7 Puz : 24151.00 Muz : 3470.83 Muy : 3470.24 IR: 0.70
=====

C O L U M N N O . 43 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 2 END JOINT: 10 TENSION COLUMN

STAAD SPACE

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REQD. STEEL AREA : 14137.17 Sq.mm.
 REQD. CONCRETE AREA: 1753008.75 Sq.mm.
 MAIN REINFORCEMENT : Provide 29 - 25 dia. (0.81%, 14235.34 Sq.mm.)
 (Equally distributed)
 TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

 Puz : 24121.54 Muz1 : 2881.36 Muy1 : 2881.36

INTERACTION RATIO: 0.17 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

 WORST LOAD CASE: 19
 END JOINT: 10 Puz : 24151.00 Muz : 3046.87 Muy : 3047.88 IR: 0.11
 =====

C O L U M N N O . 44 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 4 END JOINT: 11 TENSION COLUMN

REQD. STEEL AREA : 14137.17 Sq.mm.
 REQD. CONCRETE AREA: 1753008.75 Sq.mm.
 MAIN REINFORCEMENT : Provide 29 - 25 dia. (0.81%, 14235.34 Sq.mm.)
 (Equally distributed)
 TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

 Puz : 24121.54 Muz1 : 2990.19 Muy1 : 2990.19

INTERACTION RATIO: 0.09 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

 WORST LOAD CASE: 11
 END JOINT: 11 Puz : 24151.00 Muz : 3311.45 Muy : 3310.31 IR: 0.29

STAAD SPACE

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C O L U M N N O . 45 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 2 END JOINT: 14 TENSION COLUMN

REQD. STEEL AREA : 14137.17 Sq.mm.

REQD. CONCRETE AREA: 1753008.75 Sq.mm.

MAIN REINFORCEMENT : Provide 29 - 25 dia. (0.81%, 14235.34 Sq.mm.)
(Equally distributed)

TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

Puz : 24121.54 Muz1 : 2876.96 Muy1 : 2876.96

INTERACTION RATIO: 0.15 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

WORST LOAD CASE: 9END JOINT: 14 Puz : 24151.00 Muz : 3430.76 Muy : 3428.96 IR: 0.36
=====

C O L U M N N O . 46 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 3 END JOINT: 15 TENSION COLUMN

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REQD. STEEL AREA : 14137.17 Sq.mm.
 REQD. CONCRETE AREA: 1753008.75 Sq.mm.
 MAIN REINFORCEMENT : Provide 29 - 25 dia. (0.81%, 14235.34 Sq.mm.)
 (Equally distributed)
 TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

 Puz : 24121.54 Muz1 : 3013.53 Muy1 : 3013.52

INTERACTION RATIO: 0.01 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

 WORST LOAD CASE: 11
 END JOINT: 15 Puz : 24151.00 Muz : 3344.35 Muy : 3342.69 IR: 0.37
 =====

C O L U M N N O . 47 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 2 END JOINT: 18 TENSION COLUMN

REQD. STEEL AREA : 14137.17 Sq.mm.
 REQD. CONCRETE AREA: 1753008.75 Sq.mm.
 MAIN REINFORCEMENT : Provide 29 - 25 dia. (0.81%, 14235.34 Sq.mm.)
 (Equally distributed)
 TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

 Puz : 24121.54 Muz1 : 2906.61 Muy1 : 2906.61

INTERACTION RATIO: 0.16 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

 WORST LOAD CASE: 6
 END JOINT: 18 Puz : 24151.00 Muz : 3295.91 Muy : 3295.13 IR: 0.73

STAAD SPACE

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C O L U M N N O . 48 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 6 END JOINT: 19 SHORT COLUMN

REQD. STEEL AREA : 9733.95 Sq.mm.

REQD. CONCRETE AREA: 1216744.25 Sq.mm.

MAIN REINFORCEMENT : Provide 31 - 20 dia. (0.55%, 9738.94 Sq.mm.)
(Equally distributed)

TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

Puz : 22800.58 Muz1 : 2424.28 Muy1 : 2424.28

INTERACTION RATIO: 0.99 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

WORST LOAD CASE: 6END JOINT: 19 Puz : 22802.07 Muz : 2429.51 Muy : 2430.00 IR: 0.98
=====

C O L U M N N O . 49 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 1 END JOINT: 22 SHORT COLUMN

STAAD SPACE

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REQD. STEEL AREA : 27648.12 Sq.mm.
 REQD. CONCRETE AREA: 1739497.75 Sq.mm.
 MAIN REINFORCEMENT : Provide 89 - 20 dia. (1.58%, 27960.18 Sq.mm.)
 (Equally distributed)
 TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

 Puz : 28174.83 Muz1 : 5927.39 Muy1 : 5927.39

INTERACTION RATIO: 1.00 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

 WORST LOAD CASE: 1
 END JOINT: 22 Puz : 28268.45 Muz : 6041.78 Muy : 6041.77 IR: 0.98
 =====

C O L U M N N O . 50 D E S I G N R E S U L T S

M25 Fe415 (Main) Fe415 (Sec.)

LENGTH: 12000.0 mm CROSS SECTION: 1500.0 mm dia. COVER: 40.0 mm

** GUIDING LOAD CASE: 1 END JOINT: 23 SHORT COLUMN

REQD. STEEL AREA : 27648.12 Sq.mm.
 REQD. CONCRETE AREA: 1739497.75 Sq.mm.
 MAIN REINFORCEMENT : Provide 89 - 20 dia. (1.58%, 27960.18 Sq.mm.)
 (Equally distributed)
 TIE REINFORCEMENT : Provide 8 mm dia. circular ties @ 300 mm c/c

SECTION CAPACITY BASED ON REINFORCEMENT REQUIRED (KNS-MET)

 Puz : 28174.83 Muz1 : 5927.39 Muy1 : 5927.39

INTERACTION RATIO: 1.00 (as per Cl. 39.6, IS456:2000)

SECTION CAPACITY BASED ON REINFORCEMENT PROVIDED (KNS-MET)

 WORST LOAD CASE: 1
 END JOINT: 23 Puz : 28268.45 Muz : 6041.78 Muy : 6041.77 IR: 0.98

=====

*****END OF COLUMN DESIGN RESULTS*****

2020. DESIGN ELEMENT 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 90 -
2021. 92 TO 100 102 104 106 108 110 112 114 116 118 120 121 123 TO 131 133 135 -
2022. 137 139 141 143 145 147 149 151 152 154 TO 162 164 166 168 170 172 174 176 -
2023. 178 180 182 183 185 TO 193 195 197 199 201 203 205 207 209 211 213 214

STAAD SPACE

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ELEMENT DESIGN SUMMARY

ELEMENT	LONG. REINF (SQ.MM/ME)	MOM-X /LOAD (KN-M/M)	TRANS. REINF (SQ.MM/ME)	MOM-Y /LOAD (KN-M/M)
53 TOP :	336.	5.35 / 6	336.	20.40 / 1
BOTT:	336.	-5.63 / 1	336.	0.00 / 0
55 TOP :	336.	2.69 / 12	336.	17.18 / 1
BOTT:	336.	-22.88 / 1	336.	-0.17 / 2
57 TOP :	336.	9.66 / 12	336.	13.56 / 1
BOTT:	388.	-38.26 / 1	336.	-0.50 / 2
59 TOP :	336.	13.74 / 11	336.	11.86 / 1
BOTT:	447.	-43.97 / 1	336.	-0.50 / 2
61 TOP :	336.	10.18 / 11	336.	12.17 / 1
BOTT:	437.	-42.98 / 1	336.	-0.80 / 19
63 TOP :	336.	10.18 / 13	336.	12.17 / 1
BOTT:	437.	-42.98 / 1	336.	-0.74 / 19
65 TOP :	336.	11.65 / 14	336.	11.86 / 1
BOTT:	447.	-43.97 / 1	336.	-0.34 / 2
67 TOP :	336.	5.80 / 13	336.	13.56 / 1
BOTT:	388.	-38.26 / 1	336.	-0.34 / 2
69 TOP :	336.	2.73 / 6	336.	17.18 / 1
BOTT:	336.	-22.88 / 1	336.	-0.45 / 2
71 TOP :	336.	5.36 / 6	336.	20.40 / 1
BOTT:	336.	-6.27 / 11	336.	-0.43 / 2
73 TOP :	336.	6.17 / 6	336.	8.57 / 5
BOTT:	336.	-8.21 / 1	336.	-3.64 / 1
75 TOP :	336.	2.35 / 11	336.	7.61 / 5
BOTT:	336.	-32.07 / 1	336.	-8.14 / 1
77 TOP :	336.	9.35 / 12	336.	4.57 / 17
BOTT:	594.	-57.86 / 1	336.	-13.33 / 1
79 TOP :	336.	13.73 / 11	336.	5.31 / 17
BOTT:	658.	-63.84 / 1	336.	-14.93 / 1
81 TOP :	336.	8.60 / 12	336.	5.36 / 21
BOTT:	580.	-56.54 / 1	336.	-13.62 / 1
83 TOP :	336.	7.48 / 13	336.	5.31 / 5
BOTT:	580.	-56.54 / 1	336.	-13.62 / 1

STAAD SPACE

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85 TOP :	336.	11.14 /	14	336.	5.28 /	5
BOTT:	658.	-63.84 /	1	336.	-14.93 /	1
87 TOP :	336.	5.47 /	14	336.	4.55 /	5
BOTT:	594.	-57.86 /	1	336.	-13.33 /	1
89 TOP :	336.	2.89 /	6	336.	7.74 /	17
BOTT:	336.	-32.07 /	1	336.	-8.14 /	1
90 TOP :	336.	6.23 /	6	336.	8.59 /	21
BOTT:	336.	-8.21 /	1	336.	-4.92 /	11
92 TOP :	336.	1.09 /	4	336.	1.12 /	2
BOTT:	336.	-13.66 /	1	336.	-11.61 /	5
93 TOP :	336.	0.71 /	4	336.	1.10 /	2
BOTT:	364.	-35.97 /	1	336.	-11.91 /	5
94 TOP :	336.	0.14 /	10	336.	1.01 /	2
BOTT:	596.	-58.09 /	1	336.	-12.54 /	1
95 TOP :	336.	0.36 /	10	336.	0.92 /	2
BOTT:	644.	-62.61 /	1	336.	-13.27 /	1
96 TOP :	336.	0.40 /	10	336.	0.44 /	2
BOTT:	578.	-56.40 /	1	336.	-12.19 /	1
97 TOP :	336.	0.38 /	10	336.	0.35 /	10
BOTT:	578.	-56.40 /	1	336.	-12.19 /	1
98 TOP :	336.	0.32 /	9	336.	0.32 /	9
BOTT:	644.	-62.61 /	1	336.	-13.27 /	1
99 TOP :	336.	0.05 /	9	336.	0.46 /	2
BOTT:	596.	-58.09 /	1	336.	-12.54 /	1
100 TOP :	336.	7.20 /	12	336.	2.74 /	12
BOTT:	364.	-35.97 /	1	336.	-11.83 /	21
102 TOP :	336.	7.02 /	11	336.	3.28 /	11
BOTT:	336.	-13.66 /	1	336.	-11.52 /	15
104 TOP :	336.	1.44 /	21	336.	1.85 /	16
BOTT:	336.	-13.56 /	1	336.	-2.01 /	1
106 TOP :	336.	1.54 /	16	336.	1.88 /	16
BOTT:	357.	-35.29 /	1	336.	-5.68 /	1
108 TOP :	336.	1.86 /	16	336.	2.10 /	15
BOTT:	580.	-56.55 /	1	336.	-9.19 /	1
110 TOP :	336.	1.83 /	15	336.	2.14 /	16
BOTT:	628.	-61.07 /	1	336.	-9.90 /	1

STAAD SPACE

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112 TOP :	336.	0.37 /	16	336.	1.68 /	15
BOTT:	566.	-55.25 /	1	336.	-8.90 /	1
114 TOP :	336.	0.42 /	5	336.	1.69 /	5
BOTT:	566.	-55.25 /	1	336.	-8.90 /	1
116 TOP :	336.	1.83 /	5	336.	2.13 /	5
BOTT:	628.	-61.07 /	1	336.	-9.90 /	1
118 TOP :	336.	1.85 /	5	336.	3.70 /	12
BOTT:	580.	-56.55 /	1	336.	-9.19 /	1
120 TOP :	336.	7.11 /	12	336.	5.87 /	11
BOTT:	357.	-35.29 /	1	336.	-5.68 /	1
121 TOP :	336.	6.95 /	11	336.	6.27 /	12
BOTT:	336.	-13.56 /	1	336.	-3.38 /	2
123 TOP :	336.	0.91 /	5	336.	1.58 /	5
BOTT:	336.	-13.13 /	1	336.	-1.91 /	1
124 TOP :	336.	2.19 /	12	336.	1.60 /	5
BOTT:	353.	-34.95 /	1	336.	-5.61 /	1
125 TOP :	336.	5.32 /	11	336.	1.47 /	5
BOTT:	580.	-56.58 /	1	336.	-9.31 /	1
126 TOP :	336.	6.21 /	11	336.	1.65 /	4
BOTT:	631.	-61.34 /	1	336.	-10.13 /	1
127 TOP :	336.	2.63 /	11	336.	1.74 /	4
BOTT:	569.	-55.55 /	1	336.	-9.16 /	1
128 TOP :	336.	0.47 /	14	336.	1.87 /	4
BOTT:	569.	-55.55 /	1	336.	-9.16 /	1
129 TOP :	336.	1.39 /	14	336.	2.09 /	4
BOTT:	631.	-61.34 /	1	336.	-10.13 /	1
130 TOP :	336.	1.52 /	4	336.	2.31 /	4
BOTT:	580.	-56.58 /	1	336.	-9.31 /	1
131 TOP :	336.	1.23 /	4	336.	2.32 /	4
BOTT:	353.	-34.95 /	1	336.	-5.61 /	1
133 TOP :	336.	1.33 /	2	336.	2.38 /	2
BOTT:	336.	-13.13 /	1	336.	-5.10 /	12
135 TOP :	336.	0.88 /	5	336.	1.51 /	5
BOTT:	336.	-13.13 /	1	336.	-2.79 /	12
137 TOP :	336.	1.33 /	11	336.	1.53 /	5
BOTT:	353.	-34.95 /	1	336.	-5.61 /	1

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139 TOP :	336.	2.55 /	11	336.	1.40 /	5
BOTT:	580.	-56.58 /	1	336.	-9.31 /	1
141 TOP :	336.	3.60 /	12	336.	1.14 /	5
BOTT:	631.	-61.34 /	1	336.	-10.13 /	1
143 TOP :	336.	0.90 /	12	336.	0.99 /	5
BOTT:	569.	-55.55 /	1	336.	-9.16 /	1
145 TOP :	336.	0.61 /	13	336.	1.01 /	17
BOTT:	569.	-55.55 /	1	336.	-9.16 /	1
147 TOP :	336.	0.97 /	13	336.	1.18 /	21
BOTT:	631.	-61.34 /	1	336.	-10.13 /	1
149 TOP :	336.	1.22 /	13	336.	1.47 /	21
BOTT:	580.	-56.58 /	1	336.	-9.31 /	1
151 TOP :	336.	1.18 /	21	336.	1.60 /	17
BOTT:	353.	-34.95 /	1	336.	-6.03 /	12
152 TOP :	336.	1.12 /	2	336.	1.58 /	21
BOTT:	336.	-13.13 /	1	336.	-5.94 /	12
154 TOP :	336.	1.63 /	14	336.	2.62 /	12
BOTT:	336.	-13.56 /	1	336.	-2.01 /	1
155 TOP :	336.	1.54 /	21	336.	3.06 /	12
BOTT:	357.	-35.29 /	1	336.	-5.68 /	1
156 TOP :	336.	2.68 /	4	336.	3.97 /	11
BOTT:	580.	-56.55 /	1	336.	-9.19 /	1
157 TOP :	336.	6.11 /	12	336.	4.80 /	12
BOTT:	628.	-61.07 /	1	336.	-9.90 /	1
158 TOP :	336.	3.20 /	12	336.	4.70 /	12
BOTT:	566.	-55.25 /	1	336.	-8.90 /	1
159 TOP :	336.	0.36 /	4	336.	3.51 /	12
BOTT:	566.	-55.25 /	1	336.	-8.90 /	1
160 TOP :	336.	1.79 /	5	336.	2.54 /	12
BOTT:	628.	-61.07 /	1	336.	-9.90 /	1
161 TOP :	336.	1.71 /	5	336.	3.66 /	12
BOTT:	580.	-56.55 /	1	336.	-9.19 /	1
162 TOP :	336.	1.12 /	5	336.	5.18 /	12
BOTT:	357.	-35.29 /	1	336.	-5.68 /	1
164 TOP :	336.	0.90 /	5	336.	5.42 /	11
BOTT:	336.	-13.56 /	1	336.	-2.72 /	2

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166 TOP :	336.	1.33 /	13	336.	1.59 /	2
BOTT:	336.	-13.66 /	1	336.	-11.33 /	5
168 TOP :	336.	1.39 /	14	336.	1.55 /	2
BOTT:	364.	-35.97 /	1	336.	-11.64 /	5
170 TOP :	336.	2.84 /	12	336.	1.42 /	2
BOTT:	596.	-58.09 /	1	336.	-12.54 /	1
172 TOP :	336.	6.88 /	12	336.	1.29 /	2
BOTT:	644.	-62.61 /	1	336.	-13.27 /	1
174 TOP :	336.	3.40 /	4	336.	0.84 /	4
BOTT:	578.	-56.40 /	1	336.	-12.19 /	1
176 TOP :	336.	0.93 /	4	336.	0.38 /	4
BOTT:	578.	-56.40 /	1	336.	-12.19 /	1
178 TOP :	336.	0.00 /	0	336.	0.08 /	2
BOTT:	644.	-62.61 /	1	336.	-13.27 /	1
180 TOP :	336.	0.00 /	0	336.	1.14 /	2
BOTT:	596.	-58.09 /	1	336.	-12.54 /	1
182 TOP :	336.	0.03 /	3	336.	2.44 /	2
BOTT:	364.	-35.97 /	1	336.	-11.83 /	16
183 TOP :	336.	0.52 /	5	336.	2.72 /	2
BOTT:	336.	-13.66 /	1	336.	-11.52 /	17
185 TOP :	336.	6.23 /	6	336.	8.45 /	5
BOTT:	336.	-8.21 /	1	336.	-3.64 /	1
186 TOP :	336.	2.15 /	6	336.	7.43 /	5
BOTT:	336.	-32.07 /	1	336.	-8.14 /	1
187 TOP :	336.	0.73 /	17	336.	4.57 /	16
BOTT:	594.	-57.86 /	1	336.	-13.33 /	1
188 TOP :	336.	4.95 /	21	336.	5.31 /	16
BOTT:	658.	-63.84 /	1	336.	-14.93 /	1
189 TOP :	336.	1.86 /	14	336.	5.36 /	15
BOTT:	580.	-56.54 /	1	336.	-13.62 /	1
190 TOP :	336.	10.84 /	14	336.	4.86 /	14
BOTT:	580.	-56.54 /	1	336.	-13.62 /	1
191 TOP :	336.	14.64 /	13	336.	5.49 /	14
BOTT:	658.	-63.84 /	1	336.	-14.93 /	1
192 TOP :	336.	9.52 /	13	336.	5.18 /	5
BOTT:	594.	-57.86 /	1	336.	-13.33 /	1

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193 TOP :	336.	2.94 /	6	336.	7.74 /	15
BOTT:	336.	-32.07 /	1	336.	-8.14 /	1
195 TOP :	336.	6.12 /	6	336.	8.59 /	16
BOTT:	336.	-8.21 /	1	336.	-3.64 /	1
197 TOP :	336.	5.37 /	6	336.	20.40 /	1
BOTT:	336.	-5.63 /	1	336.	-0.28 /	4
199 TOP :	336.	1.86 /	6	336.	17.18 /	1
BOTT:	336.	-22.88 /	1	336.	-0.24 /	4
201 TOP :	336.	1.50 /	21	336.	13.56 /	1
BOTT:	388.	-38.26 /	1	336.	-0.11 /	4
203 TOP :	336.	5.68 /	21	336.	11.86 /	1
BOTT:	447.	-43.97 /	1	336.	-0.08 /	3
205 TOP :	336.	2.45 /	14	336.	12.17 /	1
BOTT:	437.	-42.98 /	1	336.	-0.17 /	4
207 TOP :	336.	11.27 /	13	336.	12.17 /	1
BOTT:	437.	-42.98 /	1	336.	-0.20 /	2
209 TOP :	336.	15.15 /	13	336.	11.86 /	1
BOTT:	447.	-43.97 /	1	336.	-0.51 /	19
211 TOP :	336.	10.32 /	14	336.	13.56 /	1
BOTT:	388.	-38.26 /	1	336.	-0.28 /	2
213 TOP :	336.	2.59 /	6	336.	17.18 /	1
BOTT:	336.	-22.88 /	1	336.	-0.49 /	2
214 TOP :	336.	5.34 /	6	336.	20.40 /	1
BOTT:	336.	-5.63 /	1	336.	-0.55 /	2

*****END OF ELEMENT DESIGN*****

2024. CONCRETE TAKE

2025. END CONCRETE DESIGN

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***** CONCRETE TAKE OFF *****

(FOR BEAMS, COLUMNS AND PLATES DESIGNED ABOVE)

NOTE: CONCRETE QUANTITY REPRESENTS VOLUME OF CONCRETE IN BEAMS, COLUMNS, AND PLATES DESIGNED ABOVE.

REINFORCING STEEL QUANTITY REPRESENTS REINFORCING STEEL IN BEAMS AND COLUMNS DESIGNED ABOVE.

REINFORCING STEEL IN PLATES IS NOT INCLUDED IN THE REPORTED QUANTITY.

TOTAL VOLUME OF CONCRETE = 1010.0 CU.METER

BAR DIA (in mm)	WEIGHT (in New)
-----	-----
8	115778
10	77107
12	39630
16	99626
20	154493
25	110758
-----	-----
*** TOTAL=	597392

2026. PERFORM ANALYSIS PRINT ALL

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LOADING 1 LOADTYPE DEAD TITLE DEAD

SELFWEIGHT Y -1.000

ACTUAL WEIGHT OF THE STRUCTURE = 38157.234 KN

LOADING 2 IRC: SLS CLASS 70R LOADING N19: DISP X +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT	PRESSURE		
211	-0.100000	0.72	6.27
211	-0.100000	0.63	6.27
211	-0.100000	0.53	6.27
211	-0.100000	0.44	6.27
211	-0.100000	0.34	6.27
211	-0.100000	0.25	6.27
213	-0.100000	-0.40	6.27
213	-0.100000	-0.50	6.27
213	-0.100000	-0.59	6.27
213	-0.100000	-0.68	6.27
214	-0.100000	0.15	6.27
214	-0.100000	0.06	6.27
214	-0.100000	-0.04	6.27
214	-0.100000	-0.13	6.27
214	-0.100000	-0.23	6.27
214	-0.100000	-0.32	6.27
214	-0.100000	-0.42	6.27
214	-0.100000	-0.51	6.27
214	-0.100000	-0.61	6.27
214	-0.100000	-0.70	6.27
180	-0.100000	0.72	-2.26
180	-0.100000	0.63	-2.26
180	-0.100000	0.53	-2.26
180	-0.100000	0.44	-2.26
180	-0.100000	0.34	-2.26
180	-0.100000	0.25	-2.26
182	-0.100000	-0.40	-2.26
182	-0.100000	-0.49	-2.26
182	-0.100000	-0.59	-2.26
182	-0.100000	-0.68	-2.26
183	-0.100000	0.15	-2.26
183	-0.100000	0.06	-2.26
183	-0.100000	-0.04	-2.26
183	-0.100000	-0.13	-2.26
183	-0.100000	-0.23	-2.26
183	-0.100000	-0.32	-2.26
183	-0.100000	-0.42	-2.26

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183	-0.100000	-0.51	-2.26		
183	-0.100000	-0.61	-2.26		
183	-0.100000	-0.70	-2.26		
180	-89.586800	0.25	-2.26	0.75	2.31
182	-89.586800	-0.75	-2.26	-0.40	2.31
183	-89.586800	-0.70	-2.26	0.15	2.31
180	-0.100000	0.72	4.59		
180	-0.100000	0.63	4.59		
180	-0.100000	0.53	4.59		
180	-0.100000	0.44	4.59		
180	-0.100000	0.34	4.59		
180	-0.100000	0.25	4.59		
182	-0.100000	-0.40	4.59		
182	-0.100000	-0.49	4.59		
182	-0.100000	-0.59	4.59		
182	-0.100000	-0.68	4.59		
183	-0.100000	0.15	4.59		
183	-0.100000	0.06	4.59		
183	-0.100000	-0.04	4.59		
183	-0.100000	-0.13	4.59		
183	-0.100000	-0.23	4.59		
183	-0.100000	-0.32	4.59		
183	-0.100000	-0.42	4.59		
183	-0.100000	-0.51	4.59		
183	-0.100000	-0.61	4.59		
183	-0.100000	-0.70	4.59		
130	-0.100000	0.72	4.21		
130	-0.100000	0.63	4.21		
130	-0.100000	0.53	4.21		
130	-0.100000	0.44	4.21		
130	-0.100000	0.34	4.21		
130	-0.100000	0.25	4.21		
131	-0.100000	-0.40	4.21		
131	-0.100000	-0.49	4.21		
131	-0.100000	-0.59	4.21		
131	-0.100000	-0.68	4.21		
133	-0.100000	0.15	4.21		
133	-0.100000	0.06	4.21		
133	-0.100000	-0.04	4.21		
133	-0.100000	-0.13	4.21		
133	-0.100000	-0.23	4.21		
133	-0.100000	-0.32	4.21		
133	-0.100000	-0.42	4.21		
133	-0.100000	-0.51	4.21		
133	-0.100000	-0.61	4.21		
133	-0.100000	-0.70	4.21		
130	-89.586800	0.25	4.21	0.75	7.50
131	-89.586800	-0.75	4.21	-0.40	7.50
149	-89.586800	0.25	-7.50	0.75	-6.22
151	-89.586800	-0.75	-7.50	-0.40	-6.22
133	-89.586800	-0.70	4.21	0.15	7.50
152	-89.586800	-0.70	-7.50	0.15	-6.22
149	-0.100000	0.72	-3.94		
149	-0.100000	0.63	-3.94		
149	-0.100000	0.53	-3.94		
149	-0.100000	0.44	-3.94		

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149	-0.100000	0.34	-3.94		
149	-0.100000	0.25	-3.94		
151	-0.100000	-0.40	-3.94		
151	-0.100000	-0.49	-3.94		
151	-0.100000	-0.59	-3.94		
151	-0.100000	-0.68	-3.94		
152	-0.100000	0.15	-3.94		
152	-0.100000	0.06	-3.94		
152	-0.100000	-0.04	-3.94		
152	-0.100000	-0.13	-3.94		
152	-0.100000	-0.23	-3.94		
152	-0.100000	-0.32	-3.94		
152	-0.100000	-0.42	-3.94		
152	-0.100000	-0.51	-3.94		
152	-0.100000	-0.61	-3.94		
152	-0.100000	-0.70	-3.94		
99	-0.100000	0.72	-4.32		
99	-0.100000	0.63	-4.32		
99	-0.100000	0.53	-4.32		
99	-0.100000	0.44	-4.32		
99	-0.100000	0.34	-4.32		
99	-0.100000	0.25	-4.32		
100	-0.100000	-0.40	-4.32		
100	-0.100000	-0.49	-4.32		
100	-0.100000	-0.59	-4.32		
100	-0.100000	-0.68	-4.32		
102	-0.100000	0.15	-4.32		
102	-0.100000	0.06	-4.32		
102	-0.100000	-0.04	-4.32		
102	-0.100000	-0.13	-4.32		
102	-0.100000	-0.23	-4.32		
102	-0.100000	-0.32	-4.32		
102	-0.100000	-0.42	-4.32		
102	-0.100000	-0.51	-4.32		
102	-0.100000	-0.61	-4.32		
102	-0.100000	-0.70	-4.32		
99	-89.586800	0.25	-4.32	0.75	0.25
100	-89.586800	-0.75	-4.32	-0.40	0.25
102	-89.586800	-0.70	-4.32	0.15	0.25
99	-0.100000	0.72	2.53		
99	-0.100000	0.63	2.53		
99	-0.100000	0.53	2.53		
99	-0.100000	0.44	2.53		
99	-0.100000	0.34	2.53		
99	-0.100000	0.25	2.53		
100	-0.100000	-0.40	2.53		
100	-0.100000	-0.49	2.53		
100	-0.100000	-0.59	2.53		
100	-0.100000	-0.68	2.53		
102	-0.100000	0.15	2.53		
102	-0.100000	0.06	2.53		
102	-0.100000	-0.04	2.53		
102	-0.100000	-0.13	2.53		
102	-0.100000	-0.23	2.53		
102	-0.100000	-0.32	2.53		
102	-0.100000	-0.42	2.53		

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102	-0.100000	-0.51	2.53		
102	-0.100000	-0.61	2.53		
102	-0.100000	-0.70	2.53		
53	-0.100000	-0.32	-6.47		
53	-0.100000	-0.42	-6.47		
53	-0.100000	-0.51	-6.47		
53	-0.100000	-0.61	-6.47		
53	-0.100000	-0.70	-6.47		
53	-89.586800	-0.75	-7.50	-0.32	-4.19
53	-0.100000	-0.32	-6.47		
53	-0.100000	-0.42	-6.47		
53	-0.100000	-0.51	-6.47		
53	-0.100000	-0.61	-6.47		
53	-0.100000	-0.70	-6.47		

LOADING 3 IRC: SLS CLASS 70R LOADING N61: DISP Y +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

87	-159.936005	0.46	-1.03	0.75	-0.62
89	-159.936005	-0.75	-1.03	-0.44	-0.62
90	-159.936005	-0.49	-1.03	0.12	-0.62
87	-239.904007	0.46	2.93	0.75	3.34
89	-239.904007	-0.75	2.93	-0.44	3.34
90	-239.904007	-0.49	2.93	0.12	3.34
87	-239.904007	0.46	4.45	0.75	4.86
89	-239.904007	-0.75	4.45	-0.44	4.86
90	-239.904007	-0.49	4.45	0.12	4.86
87	-339.864014	0.46	6.58	0.75	6.99
89	-339.864014	-0.75	6.58	-0.44	6.99
90	-339.864014	-0.49	6.58	0.12	6.99
99	-339.864014	0.46	-7.05	0.75	-6.64
100	-339.864014	-0.75	-7.05	-0.44	-6.64
102	-339.864014	-0.49	-7.05	0.12	-6.64
99	-339.864014	0.46	-4.00	0.75	-3.59
100	-339.864014	-0.75	-4.00	-0.44	-3.59
102	-339.864014	-0.49	-4.00	0.12	-3.59
99	-339.864014	0.46	-2.63	0.75	-2.22
100	-339.864014	-0.75	-2.63	-0.44	-2.22
102	-339.864014	-0.49	-2.63	0.12	-2.22
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49

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75	-339.864014	0.35	6.07	0.75	6.49
77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 4 IRC: SLS CLASS 70R LOADING N3: DISP Z +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

67	-159.936005	0.46	-1.06	0.75	-0.65
69	-159.936005	-0.75	-1.06	-0.44	-0.65
71	-159.936005	-0.49	-1.06	0.12	-0.65
67	-239.904007	0.46	2.90	0.75	3.31
69	-239.904007	-0.75	2.90	-0.44	3.31
71	-239.904007	-0.49	2.90	0.12	3.31
67	-239.904007	0.46	4.42	0.75	4.83
69	-239.904007	-0.75	4.42	-0.44	4.83
71	-239.904007	-0.49	4.42	0.12	4.83
67	-339.864014	0.46	6.55	0.75	6.96
69	-339.864014	-0.75	6.55	-0.44	6.96
71	-339.864014	-0.49	6.55	0.12	6.96
87	-339.864014	0.46	-7.08	0.75	-6.67
89	-339.864014	-0.75	-7.08	-0.44	-6.67
90	-339.864014	-0.49	-7.08	0.12	-6.67
87	-339.864014	0.46	-4.03	0.75	-3.62
89	-339.864014	-0.75	-4.03	-0.44	-3.62
90	-339.864014	-0.49	-4.03	0.12	-3.62
87	-339.864014	0.46	-2.66	0.75	-2.25
89	-339.864014	-0.75	-2.66	-0.44	-2.25
90	-339.864014	-0.49	-2.66	0.12	-2.25
170	-159.936005	0.22	-3.36	0.75	-2.95
172	-159.936005	-0.75	-3.36	-0.67	-2.95
174	-159.936005	-0.71	-3.36	-0.10	-2.95
170	-239.904007	0.22	0.60	0.75	1.01
172	-239.904007	-0.75	0.60	-0.67	1.01
174	-239.904007	-0.71	0.60	-0.10	1.01
170	-239.904007	0.22	2.12	0.75	2.53
172	-239.904007	-0.75	2.12	-0.67	2.53
174	-239.904007	-0.71	2.12	-0.10	2.53
170	-339.864014	0.22	4.25	0.75	4.66

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172	-339.864014	-0.75	4.25	-0.67	4.66
174	-339.864014	-0.71	4.25	-0.10	4.66
170	-339.864014	0.22	5.62	0.75	6.03
172	-339.864014	-0.75	5.62	-0.67	6.03
174	-339.864014	-0.71	5.62	-0.10	6.03
187	-339.864014	0.22	-6.33	0.75	-5.92
188	-339.864014	-0.75	-6.33	-0.67	-5.92
189	-339.864014	-0.71	-6.33	-0.10	-5.92
187	-339.864014	0.22	-4.96	0.75	-4.55
188	-339.864014	-0.75	-4.96	-0.67	-4.55
189	-339.864014	-0.71	-4.96	-0.10	-4.55
59	-159.936005	-0.64	-2.07	-0.04	-1.66
61	-159.936005	-0.09	-2.07	0.52	-1.66
59	-239.904007	-0.64	1.89	-0.04	2.30
61	-239.904007	-0.09	1.89	0.52	2.30
59	-239.904007	-0.64	3.41	-0.04	3.82
61	-239.904007	-0.09	3.41	0.52	3.82
59	-339.864014	-0.64	5.54	-0.04	5.95
61	-339.864014	-0.09	5.54	0.52	5.95
59	-339.864014	-0.64	6.91	-0.04	7.32
61	-339.864014	-0.09	6.91	0.52	7.32
79	-339.864014	-0.64	-5.04	-0.04	-4.63
81	-339.864014	-0.09	-5.04	0.52	-4.63
79	-339.864014	-0.64	-3.67	-0.04	-3.26
81	-339.864014	-0.09	-3.67	0.52	-3.26

LOADING 5 IRC: SLS CLASS 70R LOADING P53: STRESS MAX ABSOLUTE +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

190	-159.936005	0.10	-0.82	0.71	-0.41
191	-159.936005	0.67	-0.82	0.75	-0.41
192	-159.936005	-0.75	-0.82	-0.22	-0.41
190	-239.904007	0.10	3.14	0.71	3.55
191	-239.904007	0.67	3.14	0.75	3.55
192	-239.904007	-0.75	3.14	-0.22	3.55
190	-239.904007	0.10	4.66	0.71	5.07
191	-239.904007	0.67	4.66	0.75	5.07
192	-239.904007	-0.75	4.66	-0.22	5.07
190	-339.864014	0.10	6.79	0.71	7.20
191	-339.864014	0.67	6.79	0.75	7.20
192	-339.864014	-0.75	6.79	-0.22	7.20
207	-339.864014	0.10	-6.84	0.71	-6.43
209	-339.864014	0.67	-6.84	0.75	-6.43
211	-339.864014	-0.75	-6.84	-0.22	-6.43
207	-339.864014	0.10	-3.79	0.71	-3.38
209	-339.864014	0.67	-3.79	0.75	-3.38
211	-339.864014	-0.75	-3.79	-0.22	-3.38
207	-339.864014	0.10	-2.42	0.71	-2.01
209	-339.864014	0.67	-2.42	0.75	-2.01

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211	-339.864014	-0.75	-2.42	-0.22	-2.01
63	-159.936005	-0.52	-1.06	0.09	-0.65
65	-159.936005	0.04	-1.06	0.64	-0.65
63	-239.904007	-0.52	2.90	0.09	3.31
65	-239.904007	0.04	2.90	0.64	3.31
63	-239.904007	-0.52	4.42	0.09	4.83
65	-239.904007	0.04	4.42	0.64	4.83
63	-339.864014	-0.52	6.55	0.09	6.96
65	-339.864014	0.04	6.55	0.64	6.96
83	-339.864014	-0.52	-7.08	0.09	-6.67
85	-339.864014	0.04	-7.08	0.64	-6.67
83	-339.864014	-0.52	-4.03	0.09	-3.62
85	-339.864014	0.04	-4.03	0.64	-3.62
83	-339.864014	-0.52	-2.66	0.09	-2.25
85	-339.864014	0.04	-2.66	0.64	-2.25
185	-159.936005	-0.21	-0.82	0.40	-0.41
186	-159.936005	0.35	-0.82	0.75	-0.41
187	-159.936005	-0.75	-0.82	-0.54	-0.41
185	-239.904007	-0.21	3.14	0.40	3.55
186	-239.904007	0.35	3.14	0.75	3.55
187	-239.904007	-0.75	3.14	-0.54	3.55
185	-239.904007	-0.21	4.66	0.40	5.07
186	-239.904007	0.35	4.66	0.75	5.07
187	-239.904007	-0.75	4.66	-0.54	5.07
185	-339.864014	-0.21	6.79	0.40	7.20
186	-339.864014	0.35	6.79	0.75	7.20
187	-339.864014	-0.75	6.79	-0.54	7.20
197	-339.864014	-0.21	-6.84	0.40	-6.43
199	-339.864014	0.35	-6.84	0.75	-6.43
201	-339.864014	-0.75	-6.84	-0.54	-6.43
197	-339.864014	-0.21	-3.79	0.40	-3.38
199	-339.864014	0.35	-3.79	0.75	-3.38
201	-339.864014	-0.75	-3.79	-0.54	-3.38
197	-339.864014	-0.21	-2.42	0.40	-2.01
199	-339.864014	0.35	-2.42	0.75	-2.01
201	-339.864014	-0.75	-2.42	-0.54	-2.01
53	-159.936005	-0.21	-1.57	0.40	-1.15
55	-159.936005	0.35	-1.57	0.75	-1.15
57	-159.936005	-0.75	-1.57	-0.54	-1.15
53	-239.904007	-0.21	2.39	0.40	2.81
55	-239.904007	0.35	2.39	0.75	2.81
57	-239.904007	-0.75	2.39	-0.54	2.81
53	-239.904007	-0.21	3.91	0.40	4.32
55	-239.904007	0.35	3.91	0.75	4.32
57	-239.904007	-0.75	3.91	-0.54	4.32
53	-339.864014	-0.21	6.05	0.40	6.45
55	-339.864014	0.35	6.05	0.75	6.45
57	-339.864014	-0.75	6.05	-0.54	6.45
53	-339.864014	-0.21	7.41	0.40	7.50
73	-339.864014	-0.21	-7.50	0.40	-7.18
55	-339.864014	0.35	7.41	0.75	7.50
57	-339.864014	-0.75	7.41	-0.54	7.50
75	-339.864014	0.35	-7.50	0.75	-7.18
77	-339.864014	-0.75	-7.50	-0.54	-7.18
73	-339.864014	-0.21	-4.53	0.40	-4.12
75	-339.864014	0.35	-4.53	0.75	-4.12

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77	-339.864014	-0.75	-4.53	-0.54	-4.12
73	-339.864014	-0.21	-3.16	0.40	-2.76
75	-339.864014	0.35	-3.16	0.75	-2.76
77	-339.864014	-0.75	-3.16	-0.54	-2.76

LOADING 6 IRC: SLS CLASS 70R LOADING P85: STRESS MAX ABSOLUTE +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-159.936005	0.46	0.58	0.75	1.00
213	-159.936005	-0.75	0.58	-0.44	1.00
214	-159.936005	-0.49	0.58	0.12	1.00
211	-239.904007	0.46	-3.38	0.75	-2.96
213	-239.904007	-0.75	-3.38	-0.44	-2.96
214	-239.904007	-0.49	-3.38	0.12	-2.96
211	-239.904007	0.46	-4.89	0.75	-4.49
213	-239.904007	-0.75	-4.89	-0.44	-4.49
214	-239.904007	-0.49	-4.89	0.12	-4.49
211	-339.864014	0.46	-7.03	0.75	-6.61
213	-339.864014	-0.75	-7.03	-0.44	-6.61
214	-339.864014	-0.49	-7.03	0.12	-6.61
192	-339.864014	0.46	6.61	0.75	7.01
193	-339.864014	-0.75	6.61	-0.44	7.01
195	-339.864014	-0.49	6.61	0.12	7.01
192	-339.864014	0.46	3.56	0.75	3.96
193	-339.864014	-0.75	3.56	-0.44	3.96
195	-339.864014	-0.49	3.56	0.12	3.96
192	-339.864014	0.45	2.18	0.75	2.60
193	-339.864014	-0.75	2.18	-0.44	2.60
195	-339.864014	-0.49	2.18	0.12	2.60
87	-159.936005	0.46	1.34	0.75	1.75
89	-159.936005	-0.75	1.34	-0.44	1.75
90	-159.936005	-0.49	1.34	0.12	1.75
87	-239.904007	0.46	-2.62	0.75	-2.21
89	-239.904007	-0.75	-2.62	-0.44	-2.21
90	-239.904007	-0.49	-2.62	0.12	-2.21
87	-239.904007	0.46	-4.14	0.75	-3.73
89	-239.904007	-0.75	-4.14	-0.44	-3.73
90	-239.904007	-0.49	-4.14	0.12	-3.73
87	-339.864014	0.46	-6.27	0.75	-5.86
89	-339.864014	-0.75	-6.27	-0.44	-5.86
90	-339.864014	-0.49	-6.27	0.12	-5.86
67	-339.864014	0.46	7.36	0.75	7.50
69	-339.864014	-0.75	7.36	-0.44	7.50
87	-339.864014	0.46	-7.50	0.75	-7.23
89	-339.864014	-0.75	-7.50	-0.44	-7.23
71	-339.864014	-0.49	7.36	0.12	7.50
90	-339.864014	-0.49	-7.50	0.12	-7.23
67	-339.864014	0.46	4.31	0.75	4.72
69	-339.864014	-0.75	4.31	-0.44	4.72

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71	-339.864014	-0.49	4.31	0.12	4.72
67	-339.864014	0.46	2.94	0.75	3.35
69	-339.864014	-0.75	2.94	-0.44	3.35
71	-339.864014	-0.49	2.94	0.12	3.35
185	-159.936005	-0.21	-1.32	0.40	-0.91
186	-159.936005	0.35	-1.32	0.75	-0.91
187	-159.936005	-0.75	-1.32	-0.54	-0.91
185	-239.904007	-0.21	2.64	0.40	3.05
186	-239.904007	0.35	2.64	0.75	3.05
187	-239.904007	-0.75	2.64	-0.54	3.05
185	-239.904007	-0.21	4.16	0.40	4.57
186	-239.904007	0.35	4.16	0.75	4.57
187	-239.904007	-0.75	4.16	-0.54	4.57
185	-339.864014	-0.21	6.29	0.40	6.70
186	-339.864014	0.35	6.29	0.75	6.70
187	-339.864014	-0.75	6.29	-0.54	6.70
197	-339.864014	-0.21	-7.34	0.40	-6.93
199	-339.864014	0.35	-7.34	0.75	-6.93
201	-339.864014	-0.75	-7.34	-0.54	-6.93
197	-339.864014	-0.21	-4.29	0.40	-3.88
199	-339.864014	0.35	-4.29	0.75	-3.88
201	-339.864014	-0.75	-4.29	-0.54	-3.88
197	-339.864014	-0.21	-2.92	0.40	-2.51
199	-339.864014	0.35	-2.92	0.75	-2.51
201	-339.864014	-0.75	-2.92	-0.54	-2.51
53	-159.936005	-0.21	-1.06	0.40	-0.65
55	-159.936005	0.35	-1.06	0.75	-0.65
57	-159.936005	-0.75	-1.06	-0.54	-0.65
53	-239.904007	-0.21	2.90	0.40	3.31
55	-239.904007	0.35	2.90	0.75	3.31
57	-239.904007	-0.75	2.90	-0.54	3.31
53	-239.904007	-0.21	4.42	0.40	4.83
55	-239.904007	0.35	4.42	0.75	4.83
57	-239.904007	-0.75	4.42	-0.54	4.83
53	-339.864014	-0.21	6.55	0.40	6.96
55	-339.864014	0.35	6.55	0.75	6.96
57	-339.864014	-0.75	6.55	-0.54	6.96
73	-339.864014	-0.21	-7.08	0.40	-6.67
75	-339.864014	0.35	-7.08	0.75	-6.67
77	-339.864014	-0.75	-7.08	-0.54	-6.67
73	-339.864014	-0.21	-4.03	0.40	-3.62
75	-339.864014	0.35	-4.03	0.75	-3.62
77	-339.864014	-0.75	-4.03	-0.54	-3.62
73	-339.864014	-0.21	-2.66	0.40	-2.25
75	-339.864014	0.35	-2.66	0.75	-2.25
77	-339.864014	-0.75	-2.66	-0.54	-2.25

LOADING 7 IRC: SLS CLASS 70R LOADING B41: FORCE END A: FX +VE

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ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

190	-159.936005	0.10	7.20	0.71	7.50
207	-159.936005	0.10	-7.50	0.71	-7.39
191	-159.936005	0.67	7.20	0.75	7.50
192	-159.936005	-0.75	7.20	-0.23	7.50
209	-159.936005	0.67	-7.50	0.75	-7.39
211	-159.936005	-0.75	-7.50	-0.23	-7.39
207	-239.904007	0.10	-3.85	0.71	-3.43
209	-239.904007	0.67	-3.85	0.75	-3.43
211	-239.904007	-0.75	-3.85	-0.23	-3.43
207	-239.904007	0.10	-2.33	0.71	-1.91
209	-239.904007	0.67	-2.33	0.75	-1.91
211	-239.904007	-0.75	-2.33	-0.23	-1.91
207	-339.864014	0.10	-0.19	0.71	0.22
209	-339.864014	0.67	-0.19	0.75	0.22
211	-339.864014	-0.75	-0.19	-0.23	0.22
207	-339.864014	0.10	1.17	0.71	1.59
209	-339.864014	0.67	1.17	0.75	1.59
211	-339.864014	-0.75	1.17	-0.23	1.59
207	-339.864014	0.10	4.22	0.71	4.64
209	-339.864014	0.67	4.22	0.75	4.64
211	-339.864014	-0.75	4.22	-0.23	4.64
207	-339.864014	0.10	5.59	0.71	6.01
209	-339.864014	0.67	5.59	0.75	6.01
211	-339.864014	-0.75	5.59	-0.23	6.01
83	-159.936005	-0.52	-3.04	0.09	-2.63
85	-159.936005	0.04	-3.04	0.64	-2.63
83	-239.904007	-0.52	0.92	0.09	1.33
85	-239.904007	0.04	0.92	0.64	1.33
83	-239.904007	-0.52	2.44	0.09	2.85
85	-239.904007	0.04	2.44	0.64	2.85
83	-339.864014	-0.52	4.57	0.09	4.98
85	-339.864014	0.04	4.57	0.64	4.98
83	-339.864014	-0.52	5.94	0.09	6.35
85	-339.864014	0.04	5.94	0.64	6.35
97	-339.864014	-0.52	-6.01	0.09	-5.60
98	-339.864014	0.04	-6.01	0.64	-5.60
97	-339.864014	-0.52	-4.64	0.09	-4.23
98	-339.864014	0.04	-4.64	0.64	-4.23
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49

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77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 8 IRC: SLS CLASS 70R LOADING B41: FORCE END B: FX +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

190	-159.936005	0.10	7.20	0.71	7.50
207	-159.936005	0.10	-7.50	0.71	-7.39
191	-159.936005	0.67	7.20	0.75	7.50
192	-159.936005	-0.75	7.20	-0.23	7.50
209	-159.936005	0.67	-7.50	0.75	-7.39
211	-159.936005	-0.75	-7.50	-0.23	-7.39
207	-239.904007	0.10	-3.85	0.71	-3.43
209	-239.904007	0.67	-3.85	0.75	-3.43
211	-239.904007	-0.75	-3.85	-0.23	-3.43
207	-239.904007	0.10	-2.33	0.71	-1.91
209	-239.904007	0.67	-2.33	0.75	-1.91
211	-239.904007	-0.75	-2.33	-0.23	-1.91
207	-339.864014	0.10	-0.19	0.71	0.22
209	-339.864014	0.67	-0.19	0.75	0.22
211	-339.864014	-0.75	-0.19	-0.23	0.22
207	-339.864014	0.10	1.17	0.71	1.59
209	-339.864014	0.67	1.17	0.75	1.59
211	-339.864014	-0.75	1.17	-0.23	1.59
207	-339.864014	0.10	4.22	0.71	4.64
209	-339.864014	0.67	4.22	0.75	4.64
211	-339.864014	-0.75	4.22	-0.23	4.64
207	-339.864014	0.10	5.59	0.71	6.01
209	-339.864014	0.67	5.59	0.75	6.01
211	-339.864014	-0.75	5.59	-0.23	6.01
83	-159.936005	-0.52	-3.04	0.09	-2.63
85	-159.936005	0.04	-3.04	0.64	-2.63
83	-239.904007	-0.52	0.92	0.09	1.33
85	-239.904007	0.04	0.92	0.64	1.33
83	-239.904007	-0.52	2.44	0.09	2.85
85	-239.904007	0.04	2.44	0.64	2.85
83	-339.864014	-0.52	4.57	0.09	4.98
85	-339.864014	0.04	4.57	0.64	4.98

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83	-339.864014	-0.52	5.94	0.09	6.35
85	-339.864014	0.04	5.94	0.64	6.35
97	-339.864014	-0.52	-6.01	0.09	-5.60
98	-339.864014	0.04	-6.01	0.64	-5.60
97	-339.864014	-0.52	-4.64	0.09	-4.23
98	-339.864014	0.04	-4.64	0.64	-4.23
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49
77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 9 IRC: SLS CLASS 70R LOADING B23: FORCE END A: FX -VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

149	-159.936005	0.46	-1.41	0.75	-1.00
151	-159.936005	-0.75	-1.41	-0.44	-1.00
152	-159.936005	-0.49	-1.41	0.12	-1.00
149	-239.904007	0.46	2.55	0.75	2.96
151	-239.904007	-0.75	2.55	-0.44	2.96
152	-239.904007	-0.49	2.55	0.12	2.96
149	-239.904007	0.46	4.07	0.75	4.48
151	-239.904007	-0.75	4.07	-0.44	4.48
152	-239.904007	-0.49	4.07	0.12	4.48
149	-339.864014	0.46	6.20	0.75	6.61
151	-339.864014	-0.75	6.20	-0.44	6.61
152	-339.864014	-0.49	6.20	0.12	6.61
161	-339.864014	0.46	-7.43	0.75	-7.02
162	-339.864014	-0.75	-7.43	-0.44	-7.02
164	-339.864014	-0.49	-7.43	0.12	-7.02

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161	-339.864014	0.46	-4.38	0.75	-3.97
162	-339.864014	-0.75	-4.38	-0.44	-3.97
164	-339.864014	-0.49	-4.38	0.12	-3.97
161	-339.864014	0.46	-3.01	0.75	-2.60
162	-339.864014	-0.75	-3.01	-0.44	-2.60
164	-339.864014	-0.49	-3.01	0.12	-2.60
154	-159.936005	-0.21	1.00	0.40	1.40
155	-159.936005	0.35	1.00	0.75	1.40
156	-159.936005	-0.75	1.00	-0.54	1.40
154	-239.904007	-0.21	-2.96	0.40	-2.56
155	-239.904007	0.35	-2.96	0.75	-2.56
156	-239.904007	-0.75	-2.96	-0.54	-2.56
154	-239.904007	-0.21	-4.49	0.40	-4.07
155	-239.904007	0.35	-4.49	0.75	-4.07
156	-239.904007	-0.75	-4.49	-0.54	-4.07
154	-339.864014	-0.21	-6.61	0.40	-6.20
155	-339.864014	0.35	-6.61	0.75	-6.20
156	-339.864014	-0.75	-6.61	-0.54	-6.20
135	-339.864014	-0.21	7.01	0.40	7.43
137	-339.864014	0.35	7.01	0.75	7.43
139	-339.864014	-0.75	7.01	-0.54	7.43
135	-339.864014	-0.21	3.96	0.40	4.38
137	-339.864014	0.35	3.96	0.75	4.38
139	-339.864014	-0.75	3.96	-0.54	4.38
135	-339.864014	-0.21	2.60	0.40	3.01
137	-339.864014	0.35	2.60	0.75	3.01
139	-339.864014	-0.75	2.60	-0.54	3.01

LOADING 10 IRC: SLS CLASS 70R LOADING B23: FORCE END B: FX -VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

149	-159.936005	0.46	-1.41	0.75	-1.00
151	-159.936005	-0.75	-1.41	-0.44	-1.00
152	-159.936005	-0.49	-1.41	0.12	-1.00
149	-239.904007	0.46	2.55	0.75	2.96
151	-239.904007	-0.75	2.55	-0.44	2.96
152	-239.904007	-0.49	2.55	0.12	2.96
149	-239.904007	0.46	4.07	0.75	4.48
151	-239.904007	-0.75	4.07	-0.44	4.48
152	-239.904007	-0.49	4.07	0.12	4.48
149	-339.864014	0.46	6.20	0.75	6.61
151	-339.864014	-0.75	6.20	-0.44	6.61
152	-339.864014	-0.49	6.20	0.12	6.61
161	-339.864014	0.46	-7.43	0.75	-7.02
162	-339.864014	-0.75	-7.43	-0.44	-7.02
164	-339.864014	-0.49	-7.43	0.12	-7.02
161	-339.864014	0.46	-4.38	0.75	-3.97
162	-339.864014	-0.75	-4.38	-0.44	-3.97
164	-339.864014	-0.49	-4.38	0.12	-3.97

STAAD SPACE

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161	-339.864014	0.46	-3.01	0.75	-2.60
162	-339.864014	-0.75	-3.01	-0.44	-2.60
164	-339.864014	-0.49	-3.01	0.12	-2.60
154	-159.936005	-0.21	1.00	0.40	1.40
155	-159.936005	0.35	1.00	0.75	1.40
156	-159.936005	-0.75	1.00	-0.54	1.40
154	-239.904007	-0.21	-2.96	0.40	-2.56
155	-239.904007	0.35	-2.96	0.75	-2.56
156	-239.904007	-0.75	-2.96	-0.54	-2.56
154	-239.904007	-0.21	-4.49	0.40	-4.07
155	-239.904007	0.35	-4.49	0.75	-4.07
156	-239.904007	-0.75	-4.49	-0.54	-4.07
154	-339.864014	-0.21	-6.61	0.40	-6.20
155	-339.864014	0.35	-6.61	0.75	-6.20
156	-339.864014	-0.75	-6.61	-0.54	-6.20
135	-339.864014	-0.21	7.01	0.40	7.43
137	-339.864014	0.35	7.01	0.75	7.43
139	-339.864014	-0.75	7.01	-0.54	7.43
135	-339.864014	-0.21	3.96	0.40	4.38
137	-339.864014	0.35	3.96	0.75	4.38
139	-339.864014	-0.75	3.96	-0.54	4.38
135	-339.864014	-0.21	2.60	0.40	3.01
137	-339.864014	0.35	2.60	0.75	3.01
139	-339.864014	-0.75	2.60	-0.54	3.01

LOADING 11 IRC: SLS CLASS 70R LOADING B31: FORCE END A: FY +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT	PRESSURE		
211	-0.100000	0.72	-6.24
211	-0.100000	0.63	-6.24
211	-0.100000	0.53	-6.24
211	-0.100000	0.44	-6.24
211	-0.100000	0.34	-6.24
211	-0.100000	0.25	-6.24
213	-0.100000	-0.40	-6.24
213	-0.100000	-0.50	-6.24
213	-0.100000	-0.59	-6.24
213	-0.100000	-0.68	-6.24
214	-0.100000	0.15	-6.24
214	-0.100000	0.06	-6.24
214	-0.100000	-0.04	-6.24
214	-0.100000	-0.13	-6.24
214	-0.100000	-0.23	-6.24
214	-0.100000	-0.32	-6.24
214	-0.100000	-0.42	-6.24
214	-0.100000	-0.51	-6.24
214	-0.100000	-0.61	-6.24
214	-0.100000	-0.70	-6.24
211	-204.910995	0.50	-3.96

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213	-143.089005	-0.58	-3.96		
214	-347.795013	-0.28	-3.96		
211	-0.100000	0.72	0.61		
211	-0.100000	0.63	0.61		
211	-0.100000	0.53	0.61		
211	-0.100000	0.44	0.61		
211	-0.100000	0.34	0.61		
211	-0.100000	0.25	0.61		
213	-0.100000	-0.40	0.61		
213	-0.100000	-0.50	0.61		
213	-0.100000	-0.59	0.61		
213	-0.100000	-0.68	0.61		
214	-0.100000	0.15	0.61		
214	-0.100000	0.06	0.61		
214	-0.100000	-0.04	0.61		
214	-0.100000	-0.13	0.61		
214	-0.100000	-0.23	0.61		
214	-0.100000	-0.32	0.61		
214	-0.100000	-0.42	0.61		
214	-0.100000	-0.51	0.61		
214	-0.100000	-0.61	0.61		
214	-0.100000	-0.70	0.61		
161	-0.100000	0.72	0.23		
161	-0.100000	0.63	0.23		
161	-0.100000	0.53	0.23		
161	-0.100000	0.44	0.23		
161	-0.100000	0.34	0.23		
161	-0.100000	0.25	0.23		
162	-0.100000	-0.40	0.23		
162	-0.100000	-0.49	0.23		
162	-0.100000	-0.59	0.23		
162	-0.100000	-0.68	0.23		
164	-0.100000	0.15	0.23		
164	-0.100000	0.06	0.23		
164	-0.100000	-0.04	0.23		
164	-0.100000	-0.13	0.23		
164	-0.100000	-0.23	0.23		
164	-0.100000	-0.32	0.23		
164	-0.100000	-0.42	0.23		
164	-0.100000	-0.51	0.23		
164	-0.100000	-0.61	0.23		
164	-0.100000	-0.70	0.23		
161	-89.586800	0.25	0.23	0.75	4.80
162	-89.586800	-0.75	0.23	-0.40	4.80
164	-89.586800	-0.70	0.23	0.15	4.80
161	-0.100000	0.72	7.08		
161	-0.100000	0.63	7.08		
161	-0.100000	0.53	7.08		
161	-0.100000	0.44	7.08		
161	-0.100000	0.34	7.08		
161	-0.100000	0.25	7.08		
162	-0.100000	-0.40	7.08		
162	-0.100000	-0.49	7.08		
162	-0.100000	-0.59	7.08		
162	-0.100000	-0.68	7.08		
164	-0.100000	0.15	7.08		

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164	-0.100000	0.06	7.08		
164	-0.100000	-0.04	7.08		
164	-0.100000	-0.13	7.08		
164	-0.100000	-0.23	7.08		
164	-0.100000	-0.32	7.08		
164	-0.100000	-0.42	7.08		
164	-0.100000	-0.51	7.08		
164	-0.100000	-0.61	7.08		
164	-0.100000	-0.70	7.08		
99	-0.100000	0.72	4.68		
99	-0.100000	0.63	4.68		
99	-0.100000	0.53	4.68		
99	-0.100000	0.44	4.68		
99	-0.100000	0.34	4.68		
99	-0.100000	0.25	4.68		
100	-0.100000	-0.40	4.68		
100	-0.100000	-0.49	4.68		
100	-0.100000	-0.59	4.68		
100	-0.100000	-0.68	4.68		
102	-0.100000	0.15	4.68		
102	-0.100000	0.06	4.68		
102	-0.100000	-0.04	4.68		
102	-0.100000	-0.13	4.68		
102	-0.100000	-0.23	4.68		
102	-0.100000	-0.32	4.68		
102	-0.100000	-0.42	4.68		
102	-0.100000	-0.51	4.68		
102	-0.100000	-0.61	4.68		
102	-0.100000	-0.70	4.68		
99	-89.586800	0.25	4.68	0.75	7.50
100	-89.586800	-0.75	4.68	-0.40	7.50
118	-89.586800	0.25	-7.50	0.75	-5.75
120	-89.586800	-0.75	-7.50	-0.40	-5.75
102	-89.586800	-0.70	4.68	0.15	7.50
121	-89.586800	-0.70	-7.50	0.15	-5.75
118	-0.100000	0.72	-3.46		
118	-0.100000	0.63	-3.46		
118	-0.100000	0.53	-3.46		
118	-0.100000	0.44	-3.46		
118	-0.100000	0.34	-3.46		
118	-0.100000	0.25	-3.46		
120	-0.100000	-0.40	-3.46		
120	-0.100000	-0.49	-3.46		
120	-0.100000	-0.59	-3.46		
120	-0.100000	-0.68	-3.46		
121	-0.100000	0.15	-3.46		
121	-0.100000	0.06	-3.46		
121	-0.100000	-0.04	-3.46		
121	-0.100000	-0.13	-3.46		
121	-0.100000	-0.23	-3.46		
121	-0.100000	-0.32	-3.46		
121	-0.100000	-0.42	-3.46		
121	-0.100000	-0.51	-3.46		
121	-0.100000	-0.61	-3.46		
121	-0.100000	-0.70	-3.46		
201	-0.100000	0.74	1.61		

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201	-0.100000	0.65	1.61		
203	-0.100000	0.00	1.61		
203	-0.100000	-0.09	1.61		
203	-0.100000	-0.19	1.61		
203	-0.100000	-0.28	1.61		
203	-0.100000	-0.38	1.61		
203	-0.100000	-0.47	1.61		
203	-0.100000	-0.57	1.61		
203	-0.100000	-0.66	1.61		
205	-0.100000	0.55	1.61		
205	-0.100000	0.46	1.61		
205	-0.100000	0.36	1.61		
205	-0.100000	0.27	1.61		
205	-0.100000	0.17	1.61		
205	-0.100000	0.08	1.61		
205	-0.100000	-0.02	1.61		
205	-0.100000	-0.11	1.61		
205	-0.100000	-0.21	1.61		
205	-0.100000	-0.30	1.61		
201	-89.586800	0.65	-2.96	0.75	1.61
203	-89.586800	-0.75	-2.96	0.00	1.61
205	-89.586800	-0.30	-2.96	0.55	1.61
201	-0.100000	0.74	-5.24		
201	-0.100000	0.65	-5.24		
203	-0.100000	0.00	-5.24		
203	-0.100000	-0.09	-5.24		
203	-0.100000	-0.19	-5.24		
203	-0.100000	-0.28	-5.24		
203	-0.100000	-0.38	-5.24		
203	-0.100000	-0.47	-5.24		
203	-0.100000	-0.57	-5.24		
203	-0.100000	-0.66	-5.24		
205	-0.100000	0.55	-5.24		
205	-0.100000	0.46	-5.24		
205	-0.100000	0.36	-5.24		
205	-0.100000	0.27	-5.24		
205	-0.100000	0.17	-5.24		
205	-0.100000	0.08	-5.24		
205	-0.100000	-0.02	-5.24		
205	-0.100000	-0.11	-5.24		
205	-0.100000	-0.21	-5.24		
205	-0.100000	-0.30	-5.24		
170	-0.100000	0.74	-6.92		
170	-0.100000	0.65	-6.92		
172	-0.100000	0.00	-6.92		
172	-0.100000	-0.09	-6.92		
172	-0.100000	-0.19	-6.92		
172	-0.100000	-0.28	-6.92		
172	-0.100000	-0.38	-6.92		
172	-0.100000	-0.47	-6.92		
172	-0.100000	-0.57	-6.92		
172	-0.100000	-0.66	-6.92		
174	-0.100000	0.55	-6.92		
174	-0.100000	0.46	-6.92		
174	-0.100000	0.36	-6.92		
174	-0.100000	0.27	-6.92		

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174	-0.100000	0.17	-6.92		
174	-0.100000	0.08	-6.92		
174	-0.100000	-0.02	-6.92		
174	-0.100000	-0.11	-6.92		
174	-0.100000	-0.21	-6.92		
174	-0.100000	-0.30	-6.92		
156	-89.586800	0.65	3.51	0.75	7.50
157	-89.586800	-0.75	3.51	0.00	7.50
170	-89.586800	0.65	-7.50	0.75	-6.92
172	-89.586800	-0.75	-7.50	0.00	-6.92
158	-89.586800	-0.30	3.51	0.55	7.50
174	-89.586800	-0.30	-7.50	0.55	-6.92
156	-0.100000	0.74	1.23		
156	-0.100000	0.65	1.23		
157	-0.100000	0.00	1.23		
157	-0.100000	-0.09	1.23		
157	-0.100000	-0.19	1.23		
157	-0.100000	-0.28	1.23		
157	-0.100000	-0.38	1.23		
157	-0.100000	-0.47	1.23		
157	-0.100000	-0.57	1.23		
157	-0.100000	-0.66	1.23		
158	-0.100000	0.55	1.23		
158	-0.100000	0.46	1.23		
158	-0.100000	0.36	1.23		
158	-0.100000	0.27	1.23		
158	-0.100000	0.17	1.23		
158	-0.100000	0.08	1.23		
158	-0.100000	-0.02	1.23		
158	-0.100000	-0.11	1.23		
158	-0.100000	-0.21	1.23		
158	-0.100000	-0.30	1.23		
125	-0.100000	0.67	-0.45		
125	-0.100000	0.58	-0.45		
125	-0.100000	0.48	-0.45		
125	-0.100000	0.39	-0.45		
125	-0.100000	0.29	-0.45		
125	-0.100000	0.20	-0.45		
126	-0.100000	-0.45	-0.45		
126	-0.100000	-0.54	-0.45		
126	-0.100000	-0.64	-0.45		
126	-0.100000	-0.73	-0.45		
126	-0.100000	0.75	-0.45		
127	-0.100000	0.10	-0.45		
127	-0.100000	0.01	-0.45		
127	-0.100000	-0.09	-0.45		
127	-0.100000	-0.18	-0.45		
127	-0.100000	-0.28	-0.45		
127	-0.100000	-0.37	-0.45		
127	-0.100000	-0.47	-0.45		
127	-0.100000	-0.56	-0.45		
127	-0.100000	-0.66	-0.45		
125	-89.586800	0.20	-5.02	0.75	-0.45
126	-89.586800	-0.75	-5.02	-0.45	-0.45
127	-89.586800	-0.75	-5.02	0.10	-0.45
125	-0.100000	0.67	-7.30		

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125	-0.100000	0.58	-7.30		
125	-0.100000	0.48	-7.30		
125	-0.100000	0.39	-7.30		
125	-0.100000	0.29	-7.30		
125	-0.100000	0.20	-7.30		
126	-0.100000	-0.45	-7.30		
126	-0.100000	-0.54	-7.30		
126	-0.100000	-0.64	-7.30		
126	-0.100000	-0.73	-7.30		
126	-0.100000	0.75	-7.30		
127	-0.100000	0.10	-7.30		
127	-0.100000	0.01	-7.30		
127	-0.100000	-0.09	-7.30		
127	-0.100000	-0.18	-7.30		
127	-0.100000	-0.28	-7.30		
127	-0.100000	-0.37	-7.30		
127	-0.100000	-0.47	-7.30		
127	-0.100000	-0.56	-7.30		
127	-0.100000	-0.66	-7.30		
77	-0.100000	0.67	-5.49		
77	-0.100000	0.58	-5.49		
77	-0.100000	0.48	-5.49		
77	-0.100000	0.39	-5.49		
77	-0.100000	0.29	-5.49		
77	-0.100000	0.20	-5.49		
79	-0.100000	-0.45	-5.49		
79	-0.100000	-0.54	-5.49		
79	-0.100000	-0.64	-5.49		
79	-0.100000	-0.73	-5.49		
79	-0.100000	0.75	-5.49		
81	-0.100000	0.10	-5.49		
81	-0.100000	0.01	-5.49		
81	-0.100000	-0.09	-5.49		
81	-0.100000	-0.18	-5.49		
81	-0.100000	-0.28	-5.49		
81	-0.100000	-0.37	-5.49		
81	-0.100000	-0.47	-5.49		
81	-0.100000	-0.56	-5.49		
81	-0.100000	-0.66	-5.49		
57	-89.586800	0.20	4.94	0.75	7.50
59	-89.586800	-0.75	4.94	-0.45	7.50
77	-89.586800	0.20	-7.50	0.75	-5.49
79	-89.586800	-0.75	-7.50	-0.45	-5.49
61	-89.586800	-0.75	4.94	0.10	7.50
81	-89.586800	-0.75	-7.50	0.10	-5.49
57	-0.100000	0.67	2.66		
57	-0.100000	0.58	2.66		
57	-0.100000	0.48	2.66		
57	-0.100000	0.39	2.66		
57	-0.100000	0.29	2.66		
57	-0.100000	0.20	2.66		
59	-0.100000	-0.45	2.66		
59	-0.100000	-0.54	2.66		
59	-0.100000	-0.64	2.66		
59	-0.100000	-0.73	2.66		
59	-0.100000	0.75	2.66		

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61	-0.100000	0.10	2.66
61	-0.100000	0.01	2.66
61	-0.100000	-0.09	2.66
61	-0.100000	-0.18	2.66
61	-0.100000	-0.28	2.66
61	-0.100000	-0.37	2.66
61	-0.100000	-0.47	2.66
61	-0.100000	-0.56	2.66
61	-0.100000	-0.66	2.66

LOADING 12 IRC: SLS CLASS 70R LOADING B31: FORCE END B: FY +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-0.100000	0.72	-6.24
211	-0.100000	0.63	-6.24
211	-0.100000	0.53	-6.24
211	-0.100000	0.44	-6.24
211	-0.100000	0.34	-6.24
211	-0.100000	0.25	-6.24
213	-0.100000	-0.40	-6.24
213	-0.100000	-0.50	-6.24
213	-0.100000	-0.59	-6.24
213	-0.100000	-0.68	-6.24
214	-0.100000	0.15	-6.24
214	-0.100000	0.06	-6.24
214	-0.100000	-0.04	-6.24
214	-0.100000	-0.13	-6.24
214	-0.100000	-0.23	-6.24
214	-0.100000	-0.32	-6.24
214	-0.100000	-0.42	-6.24
214	-0.100000	-0.51	-6.24
214	-0.100000	-0.61	-6.24
214	-0.100000	-0.70	-6.24
211	-204.910995	0.50	-3.96
213	-143.089005	-0.58	-3.96
214	-347.795013	-0.28	-3.96
211	-0.100000	0.72	0.61
211	-0.100000	0.63	0.61
211	-0.100000	0.53	0.61
211	-0.100000	0.44	0.61
211	-0.100000	0.34	0.61
211	-0.100000	0.25	0.61
213	-0.100000	-0.40	0.61
213	-0.100000	-0.50	0.61
213	-0.100000	-0.59	0.61
213	-0.100000	-0.68	0.61
214	-0.100000	0.15	0.61
214	-0.100000	0.06	0.61
214	-0.100000	-0.04	0.61

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214	-0.100000	-0.13	0.61		
214	-0.100000	-0.23	0.61		
214	-0.100000	-0.32	0.61		
214	-0.100000	-0.42	0.61		
214	-0.100000	-0.51	0.61		
214	-0.100000	-0.61	0.61		
214	-0.100000	-0.70	0.61		
161	-0.100000	0.72	0.23		
161	-0.100000	0.63	0.23		
161	-0.100000	0.53	0.23		
161	-0.100000	0.44	0.23		
161	-0.100000	0.34	0.23		
161	-0.100000	0.25	0.23		
162	-0.100000	-0.40	0.23		
162	-0.100000	-0.49	0.23		
162	-0.100000	-0.59	0.23		
162	-0.100000	-0.68	0.23		
164	-0.100000	0.15	0.23		
164	-0.100000	0.06	0.23		
164	-0.100000	-0.04	0.23		
164	-0.100000	-0.13	0.23		
164	-0.100000	-0.23	0.23		
164	-0.100000	-0.32	0.23		
164	-0.100000	-0.42	0.23		
164	-0.100000	-0.51	0.23		
164	-0.100000	-0.61	0.23		
164	-0.100000	-0.70	0.23		
161	-89.586800	0.25	0.23	0.75	4.80
162	-89.586800	-0.75	0.23	-0.40	4.80
164	-89.586800	-0.70	0.23	0.15	4.80
161	-0.100000	0.72	7.08		
161	-0.100000	0.63	7.08		
161	-0.100000	0.53	7.08		
161	-0.100000	0.44	7.08		
161	-0.100000	0.34	7.08		
161	-0.100000	0.25	7.08		
162	-0.100000	-0.40	7.08		
162	-0.100000	-0.49	7.08		
162	-0.100000	-0.59	7.08		
162	-0.100000	-0.68	7.08		
164	-0.100000	0.15	7.08		
164	-0.100000	0.06	7.08		
164	-0.100000	-0.04	7.08		
164	-0.100000	-0.13	7.08		
164	-0.100000	-0.23	7.08		
164	-0.100000	-0.32	7.08		
164	-0.100000	-0.42	7.08		
164	-0.100000	-0.51	7.08		
164	-0.100000	-0.61	7.08		
164	-0.100000	-0.70	7.08		
99	-0.100000	0.72	4.68		
99	-0.100000	0.63	4.68		
99	-0.100000	0.53	4.68		
99	-0.100000	0.44	4.68		
99	-0.100000	0.34	4.68		
99	-0.100000	0.25	4.68		

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100	-0.100000	-0.40	4.68		
100	-0.100000	-0.49	4.68		
100	-0.100000	-0.59	4.68		
100	-0.100000	-0.68	4.68		
102	-0.100000	0.15	4.68		
102	-0.100000	0.06	4.68		
102	-0.100000	-0.04	4.68		
102	-0.100000	-0.13	4.68		
102	-0.100000	-0.23	4.68		
102	-0.100000	-0.32	4.68		
102	-0.100000	-0.42	4.68		
102	-0.100000	-0.51	4.68		
102	-0.100000	-0.61	4.68		
102	-0.100000	-0.70	4.68		
99	-89.586800	0.25	4.68	0.75	7.50
100	-89.586800	-0.75	4.68	-0.40	7.50
118	-89.586800	0.25	-7.50	0.75	-5.75
120	-89.586800	-0.75	-7.50	-0.40	-5.75
102	-89.586800	-0.70	4.68	0.15	7.50
121	-89.586800	-0.70	-7.50	0.15	-5.75
118	-0.100000	0.72	-3.46		
118	-0.100000	0.63	-3.46		
118	-0.100000	0.53	-3.46		
118	-0.100000	0.44	-3.46		
118	-0.100000	0.34	-3.46		
118	-0.100000	0.25	-3.46		
120	-0.100000	-0.40	-3.46		
120	-0.100000	-0.49	-3.46		
120	-0.100000	-0.59	-3.46		
120	-0.100000	-0.68	-3.46		
121	-0.100000	0.15	-3.46		
121	-0.100000	0.06	-3.46		
121	-0.100000	-0.04	-3.46		
121	-0.100000	-0.13	-3.46		
121	-0.100000	-0.23	-3.46		
121	-0.100000	-0.32	-3.46		
121	-0.100000	-0.42	-3.46		
121	-0.100000	-0.51	-3.46		
121	-0.100000	-0.61	-3.46		
121	-0.100000	-0.70	-3.46		
201	-0.100000	0.74	1.61		
201	-0.100000	0.65	1.61		
203	-0.100000	0.00	1.61		
203	-0.100000	-0.09	1.61		
203	-0.100000	-0.19	1.61		
203	-0.100000	-0.28	1.61		
203	-0.100000	-0.38	1.61		
203	-0.100000	-0.47	1.61		
203	-0.100000	-0.57	1.61		
203	-0.100000	-0.66	1.61		
205	-0.100000	0.55	1.61		
205	-0.100000	0.46	1.61		
205	-0.100000	0.36	1.61		
205	-0.100000	0.27	1.61		
205	-0.100000	0.17	1.61		
205	-0.100000	0.08	1.61		

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205	-0.100000	-0.02	1.61		
205	-0.100000	-0.11	1.61		
205	-0.100000	-0.21	1.61		
205	-0.100000	-0.30	1.61		
201	-89.586800	0.65	-2.96	0.75	1.61
203	-89.586800	-0.75	-2.96	0.00	1.61
205	-89.586800	-0.30	-2.96	0.55	1.61
201	-0.100000	0.74	-5.24		
201	-0.100000	0.65	-5.24		
203	-0.100000	0.00	-5.24		
203	-0.100000	-0.09	-5.24		
203	-0.100000	-0.19	-5.24		
203	-0.100000	-0.28	-5.24		
203	-0.100000	-0.38	-5.24		
203	-0.100000	-0.47	-5.24		
203	-0.100000	-0.57	-5.24		
203	-0.100000	-0.66	-5.24		
205	-0.100000	0.55	-5.24		
205	-0.100000	0.46	-5.24		
205	-0.100000	0.36	-5.24		
205	-0.100000	0.27	-5.24		
205	-0.100000	0.17	-5.24		
205	-0.100000	0.08	-5.24		
205	-0.100000	-0.02	-5.24		
205	-0.100000	-0.11	-5.24		
205	-0.100000	-0.21	-5.24		
205	-0.100000	-0.30	-5.24		
170	-0.100000	0.74	-6.92		
170	-0.100000	0.65	-6.92		
172	-0.100000	0.00	-6.92		
172	-0.100000	-0.09	-6.92		
172	-0.100000	-0.19	-6.92		
172	-0.100000	-0.28	-6.92		
172	-0.100000	-0.38	-6.92		
172	-0.100000	-0.47	-6.92		
172	-0.100000	-0.57	-6.92		
172	-0.100000	-0.66	-6.92		
174	-0.100000	0.55	-6.92		
174	-0.100000	0.46	-6.92		
174	-0.100000	0.36	-6.92		
174	-0.100000	0.27	-6.92		
174	-0.100000	0.17	-6.92		
174	-0.100000	0.08	-6.92		
174	-0.100000	-0.02	-6.92		
174	-0.100000	-0.11	-6.92		
174	-0.100000	-0.21	-6.92		
174	-0.100000	-0.30	-6.92		
156	-89.586800	0.65	3.51	0.75	7.50
157	-89.586800	-0.75	3.51	0.00	7.50
170	-89.586800	0.65	-7.50	0.75	-6.92
172	-89.586800	-0.75	-7.50	0.00	-6.92
158	-89.586800	-0.30	3.51	0.55	7.50
174	-89.586800	-0.30	-7.50	0.55	-6.92
156	-0.100000	0.74	1.23		
156	-0.100000	0.65	1.23		
157	-0.100000	0.00	1.23		

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157	-0.100000	-0.09	1.23		
157	-0.100000	-0.19	1.23		
157	-0.100000	-0.28	1.23		
157	-0.100000	-0.38	1.23		
157	-0.100000	-0.47	1.23		
157	-0.100000	-0.57	1.23		
157	-0.100000	-0.66	1.23		
158	-0.100000	0.55	1.23		
158	-0.100000	0.46	1.23		
158	-0.100000	0.36	1.23		
158	-0.100000	0.27	1.23		
158	-0.100000	0.17	1.23		
158	-0.100000	0.08	1.23		
158	-0.100000	-0.02	1.23		
158	-0.100000	-0.11	1.23		
158	-0.100000	-0.21	1.23		
158	-0.100000	-0.30	1.23		
125	-0.100000	0.67	-0.45		
125	-0.100000	0.58	-0.45		
125	-0.100000	0.48	-0.45		
125	-0.100000	0.39	-0.45		
125	-0.100000	0.29	-0.45		
125	-0.100000	0.20	-0.45		
126	-0.100000	-0.45	-0.45		
126	-0.100000	-0.54	-0.45		
126	-0.100000	-0.64	-0.45		
126	-0.100000	-0.73	-0.45		
126	-0.100000	0.75	-0.45		
127	-0.100000	0.10	-0.45		
127	-0.100000	0.01	-0.45		
127	-0.100000	-0.09	-0.45		
127	-0.100000	-0.18	-0.45		
127	-0.100000	-0.28	-0.45		
127	-0.100000	-0.37	-0.45		
127	-0.100000	-0.47	-0.45		
127	-0.100000	-0.56	-0.45		
127	-0.100000	-0.66	-0.45		
125	-89.586800	0.20	-5.02	0.75	-0.45
126	-89.586800	-0.75	-5.02	-0.45	-0.45
127	-89.586800	-0.75	-5.02	0.10	-0.45
125	-0.100000	0.67	-7.30		
125	-0.100000	0.58	-7.30		
125	-0.100000	0.48	-7.30		
125	-0.100000	0.39	-7.30		
125	-0.100000	0.29	-7.30		
125	-0.100000	0.20	-7.30		
126	-0.100000	-0.45	-7.30		
126	-0.100000	-0.54	-7.30		
126	-0.100000	-0.64	-7.30		
126	-0.100000	-0.73	-7.30		
126	-0.100000	0.75	-7.30		
127	-0.100000	0.10	-7.30		
127	-0.100000	0.01	-7.30		
127	-0.100000	-0.09	-7.30		
127	-0.100000	-0.18	-7.30		
127	-0.100000	-0.28	-7.30		

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127	-0.100000	-0.37	-7.30		
127	-0.100000	-0.47	-7.30		
127	-0.100000	-0.56	-7.30		
127	-0.100000	-0.66	-7.30		
77	-0.100000	0.67	-5.49		
77	-0.100000	0.58	-5.49		
77	-0.100000	0.48	-5.49		
77	-0.100000	0.39	-5.49		
77	-0.100000	0.29	-5.49		
77	-0.100000	0.20	-5.49		
79	-0.100000	-0.45	-5.49		
79	-0.100000	-0.54	-5.49		
79	-0.100000	-0.64	-5.49		
79	-0.100000	-0.73	-5.49		
79	-0.100000	0.75	-5.49		
81	-0.100000	0.10	-5.49		
81	-0.100000	0.01	-5.49		
81	-0.100000	-0.09	-5.49		
81	-0.100000	-0.18	-5.49		
81	-0.100000	-0.28	-5.49		
81	-0.100000	-0.37	-5.49		
81	-0.100000	-0.47	-5.49		
81	-0.100000	-0.56	-5.49		
81	-0.100000	-0.66	-5.49		
57	-89.586800	0.20	4.94	0.75	7.50
59	-89.586800	-0.75	4.94	-0.45	7.50
77	-89.586800	0.20	-7.50	0.75	-5.49
79	-89.586800	-0.75	-7.50	-0.45	-5.49
61	-89.586800	-0.75	4.94	0.10	7.50
81	-89.586800	-0.75	-7.50	0.10	-5.49
57	-0.100000	0.67	2.66		
57	-0.100000	0.58	2.66		
57	-0.100000	0.48	2.66		
57	-0.100000	0.39	2.66		
57	-0.100000	0.29	2.66		
57	-0.100000	0.20	2.66		
59	-0.100000	-0.45	2.66		
59	-0.100000	-0.54	2.66		
59	-0.100000	-0.64	2.66		
59	-0.100000	-0.73	2.66		
59	-0.100000	0.75	2.66		
61	-0.100000	0.10	2.66		
61	-0.100000	0.01	2.66		
61	-0.100000	-0.09	2.66		
61	-0.100000	-0.18	2.66		
61	-0.100000	-0.28	2.66		
61	-0.100000	-0.37	2.66		
61	-0.100000	-0.47	2.66		
61	-0.100000	-0.56	2.66		
61	-0.100000	-0.66	2.66		

LOADING 13 IRC: SLS CLASS 70R LOADING B76: FORCE END A: FY -VE

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ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

207	-159.936005	0.10	1.09	0.71	1.50
209	-159.936005	0.66	1.09	0.75	1.50
211	-159.936005	-0.75	1.09	-0.23	1.50
207	-239.904007	0.10	-2.87	0.71	-2.46
209	-239.904007	0.66	-2.87	0.75	-2.46
211	-239.904007	-0.75	-2.87	-0.23	-2.46
207	-239.904007	0.10	-4.39	0.71	-3.98
209	-239.904007	0.66	-4.39	0.75	-3.98
211	-239.904007	-0.75	-4.39	-0.23	-3.98
207	-339.864014	0.10	-6.52	0.71	-6.11
209	-339.864014	0.66	-6.52	0.75	-6.11
211	-339.864014	-0.75	-6.52	-0.23	-6.11
190	-339.864014	0.10	7.11	0.71	7.50
207	-339.864014	0.10	-7.50	0.71	-7.48
191	-339.864014	0.66	7.11	0.75	7.50
192	-339.864014	-0.75	7.11	-0.23	7.50
209	-339.864014	0.66	-7.50	0.75	-7.48
211	-339.864014	-0.75	-7.50	-0.23	-7.48
190	-339.864014	0.10	4.06	0.71	4.47
191	-339.864014	0.66	4.06	0.75	4.47
192	-339.864014	-0.75	4.06	-0.23	4.47
190	-339.864014	0.10	2.69	0.71	3.10
191	-339.864014	0.66	2.69	0.75	3.10
192	-339.864014	-0.75	2.69	-0.23	3.10
83	-159.936005	-0.52	2.35	0.09	2.76
85	-159.936005	0.04	2.35	0.64	2.76
83	-239.904007	-0.52	-1.61	0.09	-1.20
85	-239.904007	0.04	-1.61	0.64	-1.20
83	-239.904007	-0.52	-3.13	0.09	-2.72
85	-239.904007	0.04	-3.13	0.64	-2.72
83	-339.864014	-0.52	-5.26	0.09	-4.85
85	-339.864014	0.04	-5.26	0.64	-4.85
83	-339.864014	-0.52	-6.63	0.09	-6.22
85	-339.864014	0.04	-6.63	0.64	-6.22
63	-339.864014	-0.52	5.32	0.09	5.73
65	-339.864014	0.04	5.32	0.64	5.73
63	-339.864014	-0.52	3.95	0.09	4.36
65	-339.864014	0.04	3.95	0.64	4.36
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49

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77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 14 IRC: SLS CLASS 70R LOADING B76: FORCE END B: FY -VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

207	-159.936005	0.10	1.09	0.71	1.50
209	-159.936005	0.66	1.09	0.75	1.50
211	-159.936005	-0.75	1.09	-0.23	1.50
207	-239.904007	0.10	-2.87	0.71	-2.46
209	-239.904007	0.66	-2.87	0.75	-2.46
211	-239.904007	-0.75	-2.87	-0.23	-2.46
207	-239.904007	0.10	-4.39	0.71	-3.98
209	-239.904007	0.66	-4.39	0.75	-3.98
211	-239.904007	-0.75	-4.39	-0.23	-3.98
207	-339.864014	0.10	-6.52	0.71	-6.11
209	-339.864014	0.66	-6.52	0.75	-6.11
211	-339.864014	-0.75	-6.52	-0.23	-6.11
190	-339.864014	0.10	7.11	0.71	7.50
207	-339.864014	0.10	-7.50	0.71	-7.48
191	-339.864014	0.66	7.11	0.75	7.50
192	-339.864014	-0.75	7.11	-0.23	7.50
209	-339.864014	0.66	-7.50	0.75	-7.48
211	-339.864014	-0.75	-7.50	-0.23	-7.48
190	-339.864014	0.10	4.06	0.71	4.47
191	-339.864014	0.66	4.06	0.75	4.47
192	-339.864014	-0.75	4.06	-0.23	4.47
190	-339.864014	0.10	2.69	0.71	3.10
191	-339.864014	0.66	2.69	0.75	3.10
192	-339.864014	-0.75	2.69	-0.23	3.10
83	-159.936005	-0.52	2.35	0.09	2.76
85	-159.936005	0.04	2.35	0.64	2.76
83	-239.904007	-0.52	-1.61	0.09	-1.20
85	-239.904007	0.04	-1.61	0.64	-1.20
83	-239.904007	-0.52	-3.13	0.09	-2.72
85	-239.904007	0.04	-3.13	0.64	-2.72
83	-339.864014	-0.52	-5.26	0.09	-4.85
85	-339.864014	0.04	-5.26	0.64	-4.85

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83	-339.864014	-0.52	-6.63	0.09	-6.22
85	-339.864014	0.04	-6.63	0.64	-6.22
63	-339.864014	-0.52	5.32	0.09	5.73
65	-339.864014	0.04	5.32	0.64	5.73
63	-339.864014	-0.52	3.95	0.09	4.36
65	-339.864014	0.04	3.95	0.64	4.36
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49
77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 15 IRC: SLS CLASS 70R LOADING B50: FORCE END A: FZ +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

192	-159.936005	0.46	-1.32	0.75	-0.91
193	-159.936005	-0.75	-1.32	-0.44	-0.91
195	-159.936005	-0.49	-1.32	0.12	-0.91
192	-239.904007	0.46	2.64	0.75	3.05
193	-239.904007	-0.75	2.64	-0.44	3.05
195	-239.904007	-0.49	2.64	0.12	3.05
192	-239.904007	0.46	4.16	0.75	4.57
193	-239.904007	-0.75	4.16	-0.44	4.57
195	-239.904007	-0.49	4.16	0.12	4.57
192	-339.864014	0.46	6.29	0.75	6.70
193	-339.864014	-0.75	6.29	-0.44	6.70
195	-339.864014	-0.49	6.29	0.12	6.70
211	-339.864014	0.46	-7.34	0.75	-6.93
213	-339.864014	-0.75	-7.34	-0.44	-6.93
214	-339.864014	-0.49	-7.34	0.12	-6.93

STAAD SPACE

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211	-339.864014	0.46	-4.29	0.75	-3.88
213	-339.864014	-0.75	-4.29	-0.44	-3.88
214	-339.864014	-0.49	-4.29	0.12	-3.88
211	-339.864014	0.46	-2.92	0.75	-2.51
213	-339.864014	-0.75	-2.92	-0.44	-2.51
214	-339.864014	-0.49	-2.92	0.12	-2.51
67	-159.936005	0.46	-1.06	0.75	-0.65
69	-159.936005	-0.75	-1.06	-0.44	-0.65
71	-159.936005	-0.49	-1.06	0.12	-0.65
67	-239.904007	0.46	2.90	0.75	3.31
69	-239.904007	-0.75	2.90	-0.44	3.31
71	-239.904007	-0.49	2.90	0.12	3.31
67	-239.904007	0.46	4.42	0.75	4.83
69	-239.904007	-0.75	4.42	-0.44	4.83
71	-239.904007	-0.49	4.42	0.12	4.83
67	-339.864014	0.46	6.55	0.75	6.96
69	-339.864014	-0.75	6.55	-0.44	6.96
71	-339.864014	-0.49	6.55	0.12	6.96
87	-339.864014	0.46	-7.08	0.75	-6.67
89	-339.864014	-0.75	-7.08	-0.44	-6.67
90	-339.864014	-0.49	-7.08	0.12	-6.67
87	-339.864014	0.46	-4.03	0.75	-3.62
89	-339.864014	-0.75	-4.03	-0.44	-3.62
90	-339.864014	-0.49	-4.03	0.12	-3.62
87	-339.864014	0.46	-2.66	0.75	-2.25
89	-339.864014	-0.75	-2.66	-0.44	-2.25
90	-339.864014	-0.49	-2.66	0.12	-2.25
188	-159.936005	-0.64	-1.32	-0.04	-0.91
189	-159.936005	-0.09	-1.32	0.52	-0.91
188	-239.904007	-0.64	2.64	-0.04	3.05
189	-239.904007	-0.09	2.64	0.52	3.05
188	-239.904007	-0.64	4.16	-0.04	4.57
189	-239.904007	-0.09	4.16	0.52	4.57
188	-339.864014	-0.64	6.29	-0.04	6.70
189	-339.864014	-0.09	6.29	0.52	6.70
203	-339.864014	-0.64	-7.34	-0.04	-6.93
205	-339.864014	-0.09	-7.34	0.52	-6.93
203	-339.864014	-0.64	-4.29	-0.04	-3.88
205	-339.864014	-0.09	-4.29	0.52	-3.88
203	-339.864014	-0.64	-2.92	-0.04	-2.51
205	-339.864014	-0.09	-2.92	0.52	-2.51
59	-159.936005	-0.64	-1.06	-0.04	-0.65
61	-159.936005	-0.09	-1.06	0.52	-0.65
59	-239.904007	-0.64	2.90	-0.04	3.31
61	-239.904007	-0.09	2.90	0.52	3.31
59	-239.904007	-0.64	4.42	-0.04	4.83
61	-239.904007	-0.09	4.42	0.52	4.83
59	-339.864014	-0.64	6.55	-0.04	6.96
61	-339.864014	-0.09	6.55	0.52	6.96
79	-339.864014	-0.64	-7.08	-0.04	-6.67
81	-339.864014	-0.09	-7.08	0.52	-6.67
79	-339.864014	-0.64	-4.03	-0.04	-3.62
81	-339.864014	-0.09	-4.03	0.52	-3.62
79	-339.864014	-0.64	-2.66	-0.04	-2.25
81	-339.864014	-0.09	-2.66	0.52	-2.25

STAAD SPACE

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LOADING 16 IRC: SLS CLASS 70R LOADING B50: FORCE END B: FZ +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT	PRESSURE				
192	-159.936005	0.46	-1.32	0.75	-0.91
193	-159.936005	-0.75	-1.32	-0.44	-0.91
195	-159.936005	-0.49	-1.32	0.12	-0.91
192	-239.904007	0.46	2.64	0.75	3.05
193	-239.904007	-0.75	2.64	-0.44	3.05
195	-239.904007	-0.49	2.64	0.12	3.05
192	-239.904007	0.46	4.16	0.75	4.57
193	-239.904007	-0.75	4.16	-0.44	4.57
195	-239.904007	-0.49	4.16	0.12	4.57
192	-339.864014	0.46	6.29	0.75	6.70
193	-339.864014	-0.75	6.29	-0.44	6.70
195	-339.864014	-0.49	6.29	0.12	6.70
211	-339.864014	0.46	-7.34	0.75	-6.93
213	-339.864014	-0.75	-7.34	-0.44	-6.93
214	-339.864014	-0.49	-7.34	0.12	-6.93
211	-339.864014	0.46	-4.29	0.75	-3.88
213	-339.864014	-0.75	-4.29	-0.44	-3.88
214	-339.864014	-0.49	-4.29	0.12	-3.88
211	-339.864014	0.46	-2.92	0.75	-2.51
213	-339.864014	-0.75	-2.92	-0.44	-2.51
214	-339.864014	-0.49	-2.92	0.12	-2.51
67	-159.936005	0.46	-1.06	0.75	-0.65
69	-159.936005	-0.75	-1.06	-0.44	-0.65
71	-159.936005	-0.49	-1.06	0.12	-0.65
67	-239.904007	0.46	2.90	0.75	3.31
69	-239.904007	-0.75	2.90	-0.44	3.31
71	-239.904007	-0.49	2.90	0.12	3.31
67	-239.904007	0.46	4.42	0.75	4.83
69	-239.904007	-0.75	4.42	-0.44	4.83
71	-239.904007	-0.49	4.42	0.12	4.83
67	-339.864014	0.46	6.55	0.75	6.96
69	-339.864014	-0.75	6.55	-0.44	6.96
71	-339.864014	-0.49	6.55	0.12	6.96
87	-339.864014	0.46	-7.08	0.75	-6.67
89	-339.864014	-0.75	-7.08	-0.44	-6.67
90	-339.864014	-0.49	-7.08	0.12	-6.67
87	-339.864014	0.46	-4.03	0.75	-3.62
89	-339.864014	-0.75	-4.03	-0.44	-3.62
90	-339.864014	-0.49	-4.03	0.12	-3.62
87	-339.864014	0.46	-2.66	0.75	-2.25
89	-339.864014	-0.75	-2.66	-0.44	-2.25
90	-339.864014	-0.49	-2.66	0.12	-2.25
188	-159.936005	-0.64	-1.32	-0.04	-0.91
189	-159.936005	-0.09	-1.32	0.52	-0.91
188	-239.904007	-0.64	2.64	-0.04	3.05

STAAD SPACE

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189	-239.904007	-0.09	2.64	0.52	3.05
188	-239.904007	-0.64	4.16	-0.04	4.57
189	-239.904007	-0.09	4.16	0.52	4.57
188	-339.864014	-0.64	6.29	-0.04	6.70
189	-339.864014	-0.09	6.29	0.52	6.70
203	-339.864014	-0.64	-7.34	-0.04	-6.93
205	-339.864014	-0.09	-7.34	0.52	-6.93
203	-339.864014	-0.64	-4.29	-0.04	-3.88
205	-339.864014	-0.09	-4.29	0.52	-3.88
203	-339.864014	-0.64	-2.92	-0.04	-2.51
205	-339.864014	-0.09	-2.92	0.52	-2.51
59	-159.936005	-0.64	-1.06	-0.04	-0.65
61	-159.936005	-0.09	-1.06	0.52	-0.65
59	-239.904007	-0.64	2.90	-0.04	3.31
61	-239.904007	-0.09	2.90	0.52	3.31
59	-239.904007	-0.64	4.42	-0.04	4.83
61	-239.904007	-0.09	4.42	0.52	4.83
59	-339.864014	-0.64	6.55	-0.04	6.96
61	-339.864014	-0.09	6.55	0.52	6.96
79	-339.864014	-0.64	-7.08	-0.04	-6.67
81	-339.864014	-0.09	-7.08	0.52	-6.67
79	-339.864014	-0.64	-4.03	-0.04	-3.62
81	-339.864014	-0.09	-4.03	0.52	-3.62
79	-339.864014	-0.64	-2.66	-0.04	-2.25
81	-339.864014	-0.09	-2.66	0.52	-2.25

LOADING 17 IRC: SLS CLASS 70R LOADING B40: FORCE END A: FZ -VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-159.936005	0.46	0.58	0.75	1.00
213	-159.936005	-0.75	0.58	-0.44	1.00
214	-159.936005	-0.49	0.58	0.12	1.00
211	-239.904007	0.46	-3.38	0.75	-2.96
213	-239.904007	-0.75	-3.38	-0.44	-2.96
214	-239.904007	-0.49	-3.38	0.12	-2.96
211	-239.904007	0.46	-4.89	0.75	-4.49
213	-239.904007	-0.75	-4.89	-0.44	-4.49
214	-239.904007	-0.49	-4.89	0.12	-4.49
211	-339.864014	0.46	-7.03	0.75	-6.61
213	-339.864014	-0.75	-7.03	-0.44	-6.61
214	-339.864014	-0.49	-7.03	0.12	-6.61
192	-339.864014	0.46	6.61	0.75	7.01
193	-339.864014	-0.75	6.61	-0.44	7.01
195	-339.864014	-0.49	6.61	0.12	7.01
192	-339.864014	0.46	3.56	0.75	3.96
193	-339.864014	-0.75	3.56	-0.44	3.96
195	-339.864014	-0.49	3.56	0.12	3.96
192	-339.864014	0.45	2.18	0.75	2.60
193	-339.864014	-0.75	2.18	-0.44	2.60

STAAD SPACE

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195	-339.864014	-0.49	2.18	0.12	2.60
87	-159.936005	0.46	0.84	0.75	1.25
89	-159.936005	-0.75	0.84	-0.44	1.25
90	-159.936005	-0.49	0.84	0.12	1.25
87	-239.904007	0.46	-3.12	0.75	-2.71
89	-239.904007	-0.75	-3.12	-0.44	-2.71
90	-239.904007	-0.49	-3.12	0.12	-2.71
87	-239.904007	0.46	-4.64	0.75	-4.23
89	-239.904007	-0.75	-4.64	-0.44	-4.23
90	-239.904007	-0.49	-4.64	0.12	-4.23
87	-339.864014	0.46	-6.77	0.75	-6.36
89	-339.864014	-0.75	-6.77	-0.44	-6.36
90	-339.864014	-0.49	-6.77	0.12	-6.36
67	-339.864014	0.46	6.86	0.75	7.27
69	-339.864014	-0.75	6.86	-0.44	7.27
71	-339.864014	-0.49	6.86	0.12	7.27
67	-339.864014	0.46	3.81	0.75	4.22
69	-339.864014	-0.75	3.81	-0.44	4.22
71	-339.864014	-0.49	3.81	0.12	4.22
67	-339.864014	0.46	2.44	0.75	2.85
69	-339.864014	-0.75	2.44	-0.44	2.85
71	-339.864014	-0.49	2.44	0.12	2.85
203	-159.936005	-0.65	0.58	-0.04	1.00
205	-159.936005	-0.09	0.58	0.52	1.00
203	-239.904007	-0.65	-3.38	-0.04	-2.96
205	-239.904007	-0.09	-3.38	0.52	-2.96
203	-239.904007	-0.65	-4.89	-0.04	-4.49
205	-239.904007	-0.09	-4.89	0.52	-4.49
203	-339.864014	-0.65	-7.03	-0.04	-6.61
205	-339.864014	-0.09	-7.03	0.52	-6.61
188	-339.864014	-0.65	6.61	-0.04	7.01
189	-339.864014	-0.09	6.61	0.52	7.01
188	-339.864014	-0.65	3.56	-0.04	3.96
189	-339.864014	-0.09	3.56	0.52	3.96
188	-339.864014	-0.65	2.18	-0.04	2.60
189	-339.864014	-0.09	2.18	0.52	2.60
79	-159.936005	-0.64	0.84	-0.04	1.25
81	-159.936005	-0.09	0.84	0.52	1.25
79	-239.904007	-0.64	-3.12	-0.04	-2.71
81	-239.904007	-0.09	-3.12	0.52	-2.71
79	-239.904007	-0.64	-4.64	-0.04	-4.23
81	-239.904007	-0.09	-4.64	0.52	-4.23
79	-339.864014	-0.64	-6.77	-0.04	-6.36
81	-339.864014	-0.09	-6.77	0.52	-6.36
59	-339.864014	-0.64	6.86	-0.04	7.27
61	-339.864014	-0.09	6.86	0.52	7.27
59	-339.864014	-0.64	3.81	-0.04	4.22
61	-339.864014	-0.09	3.81	0.52	4.22
59	-339.864014	-0.64	2.44	-0.04	2.85
61	-339.864014	-0.09	2.44	0.52	2.85

LOADING 18 IRC: SLS CLASS 70R LOADING B40: FORCE END B: FZ -VE

STAAD SPACE

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ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-159.936005	0.46	0.58	0.75	1.00
213	-159.936005	-0.75	0.58	-0.44	1.00
214	-159.936005	-0.49	0.58	0.12	1.00
211	-239.904007	0.46	-3.38	0.75	-2.96
213	-239.904007	-0.75	-3.38	-0.44	-2.96
214	-239.904007	-0.49	-3.38	0.12	-2.96
211	-239.904007	0.46	-4.89	0.75	-4.49
213	-239.904007	-0.75	-4.89	-0.44	-4.49
214	-239.904007	-0.49	-4.89	0.12	-4.49
211	-339.864014	0.46	-7.03	0.75	-6.61
213	-339.864014	-0.75	-7.03	-0.44	-6.61
214	-339.864014	-0.49	-7.03	0.12	-6.61
192	-339.864014	0.46	6.61	0.75	7.01
193	-339.864014	-0.75	6.61	-0.44	7.01
195	-339.864014	-0.49	6.61	0.12	7.01
192	-339.864014	0.46	3.56	0.75	3.96
193	-339.864014	-0.75	3.56	-0.44	3.96
195	-339.864014	-0.49	3.56	0.12	3.96
192	-339.864014	0.45	2.18	0.75	2.60
193	-339.864014	-0.75	2.18	-0.44	2.60
195	-339.864014	-0.49	2.18	0.12	2.60
87	-159.936005	0.46	0.84	0.75	1.25
89	-159.936005	-0.75	0.84	-0.44	1.25
90	-159.936005	-0.49	0.84	0.12	1.25
87	-239.904007	0.46	-3.12	0.75	-2.71
89	-239.904007	-0.75	-3.12	-0.44	-2.71
90	-239.904007	-0.49	-3.12	0.12	-2.71
87	-239.904007	0.46	-4.64	0.75	-4.23
89	-239.904007	-0.75	-4.64	-0.44	-4.23
90	-239.904007	-0.49	-4.64	0.12	-4.23
87	-339.864014	0.46	-6.77	0.75	-6.36
89	-339.864014	-0.75	-6.77	-0.44	-6.36
90	-339.864014	-0.49	-6.77	0.12	-6.36
67	-339.864014	0.46	6.86	0.75	7.27
69	-339.864014	-0.75	6.86	-0.44	7.27
71	-339.864014	-0.49	6.86	0.12	7.27
67	-339.864014	0.46	3.81	0.75	4.22
69	-339.864014	-0.75	3.81	-0.44	4.22
71	-339.864014	-0.49	3.81	0.12	4.22
67	-339.864014	0.46	2.44	0.75	2.85
69	-339.864014	-0.75	2.44	-0.44	2.85
71	-339.864014	-0.49	2.44	0.12	2.85
203	-159.936005	-0.65	0.58	-0.04	1.00
205	-159.936005	-0.09	0.58	0.52	1.00
203	-239.904007	-0.65	-3.38	-0.04	-2.96
205	-239.904007	-0.09	-3.38	0.52	-2.96
203	-239.904007	-0.65	-4.89	-0.04	-4.49
205	-239.904007	-0.09	-4.89	0.52	-4.49
203	-339.864014	-0.65	-7.03	-0.04	-6.61

STAAD SPACE

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205	-339.864014	-0.09	-7.03	0.52	-6.61
188	-339.864014	-0.65	6.61	-0.04	7.01
189	-339.864014	-0.09	6.61	0.52	7.01
188	-339.864014	-0.65	3.56	-0.04	3.96
189	-339.864014	-0.09	3.56	0.52	3.96
188	-339.864014	-0.65	2.18	-0.04	2.60
189	-339.864014	-0.09	2.18	0.52	2.60
79	-159.936005	-0.64	0.84	-0.04	1.25
81	-159.936005	-0.09	0.84	0.52	1.25
79	-239.904007	-0.64	-3.12	-0.04	-2.71
81	-239.904007	-0.09	-3.12	0.52	-2.71
79	-239.904007	-0.64	-4.64	-0.04	-4.23
81	-239.904007	-0.09	-4.64	0.52	-4.23
79	-339.864014	-0.64	-6.77	-0.04	-6.36
81	-339.864014	-0.09	-6.77	0.52	-6.36
59	-339.864014	-0.64	6.86	-0.04	7.27
61	-339.864014	-0.09	6.86	0.52	7.27
59	-339.864014	-0.64	3.81	-0.04	4.22
61	-339.864014	-0.09	3.81	0.52	4.22
59	-339.864014	-0.64	2.44	-0.04	2.85
61	-339.864014	-0.09	2.44	0.52	2.85

LOADING 19 IRC: SLS CLASS 70R LOADING N28: REACT FX +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-159.936005	0.46	-6.80	0.75	-6.39
213	-159.936005	-0.75	-6.80	-0.44	-6.39
214	-159.936005	-0.49	-6.80	0.12	-6.39
211	-239.904007	0.46	-2.84	0.75	-2.43
213	-239.904007	-0.75	-2.84	-0.44	-2.43
214	-239.904007	-0.49	-2.84	0.12	-2.43
211	-239.904007	0.46	-1.32	0.75	-0.91
213	-239.904007	-0.75	-1.32	-0.44	-0.91
214	-239.904007	-0.49	-1.32	0.12	-0.91
211	-339.864014	0.46	0.81	0.75	1.22
213	-339.864014	-0.75	0.81	-0.44	1.22
214	-339.864014	-0.49	0.81	0.12	1.22
211	-339.864014	0.46	2.18	0.75	2.59
213	-339.864014	-0.75	2.18	-0.44	2.59
214	-339.864014	-0.49	2.18	0.12	2.59
211	-339.864014	0.46	5.23	0.75	5.64
213	-339.864014	-0.75	5.23	-0.44	5.64
214	-339.864014	-0.49	5.23	0.12	5.64
211	-339.864014	0.46	6.60	0.75	7.01
213	-339.864014	-0.75	6.60	-0.44	7.01
214	-339.864014	-0.49	6.60	0.12	7.01
87	-159.936005	0.46	-1.03	0.75	-0.62
89	-159.936005	-0.75	-1.03	-0.44	-0.62
90	-159.936005	-0.49	-1.03	0.12	-0.62

STAAD SPACE

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87	-239.904007	0.46	2.93	0.75	3.34
89	-239.904007	-0.75	2.93	-0.44	3.34
90	-239.904007	-0.49	2.93	0.12	3.34
87	-239.904007	0.46	4.45	0.75	4.86
89	-239.904007	-0.75	4.45	-0.44	4.86
90	-239.904007	-0.49	4.45	0.12	4.86
87	-339.864014	0.46	6.58	0.75	6.99
89	-339.864014	-0.75	6.58	-0.44	6.99
90	-339.864014	-0.49	6.58	0.12	6.99
99	-339.864014	0.46	-7.05	0.75	-6.64
100	-339.864014	-0.75	-7.05	-0.44	-6.64
102	-339.864014	-0.49	-7.05	0.12	-6.64
99	-339.864014	0.46	-4.00	0.75	-3.59
100	-339.864014	-0.75	-4.00	-0.44	-3.59
102	-339.864014	-0.49	-4.00	0.12	-3.59
99	-339.864014	0.46	-2.63	0.75	-2.22
100	-339.864014	-0.75	-2.63	-0.44	-2.22
102	-339.864014	-0.49	-2.63	0.12	-2.22
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49
77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09
92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 20 IRC: SLS CLASS 70R LOADING N27: REACT FY +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

190	-159.936005	0.10	7.20	0.71	7.50
207	-159.936005	0.10	-7.50	0.71	-7.39
191	-159.936005	0.67	7.20	0.75	7.50

STAAD SPACE

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192	-159.936005	-0.75	7.20	-0.23	7.50
209	-159.936005	0.67	-7.50	0.75	-7.39
211	-159.936005	-0.75	-7.50	-0.23	-7.39
207	-239.904007	0.10	-3.85	0.71	-3.43
209	-239.904007	0.67	-3.85	0.75	-3.43
211	-239.904007	-0.75	-3.85	-0.23	-3.43
207	-239.904007	0.10	-2.33	0.71	-1.91
209	-239.904007	0.67	-2.33	0.75	-1.91
211	-239.904007	-0.75	-2.33	-0.23	-1.91
207	-339.864014	0.10	-0.19	0.71	0.22
209	-339.864014	0.67	-0.19	0.75	0.22
211	-339.864014	-0.75	-0.19	-0.23	0.22
207	-339.864014	0.10	1.17	0.71	1.59
209	-339.864014	0.67	1.17	0.75	1.59
211	-339.864014	-0.75	1.17	-0.23	1.59
207	-339.864014	0.10	4.22	0.71	4.64
209	-339.864014	0.67	4.22	0.75	4.64
211	-339.864014	-0.75	4.22	-0.23	4.64
207	-339.864014	0.10	5.59	0.71	6.01
209	-339.864014	0.67	5.59	0.75	6.01
211	-339.864014	-0.75	5.59	-0.23	6.01
83	-159.936005	-0.52	-3.04	0.09	-2.63
85	-159.936005	0.04	-3.04	0.64	-2.63
83	-239.904007	-0.52	0.92	0.09	1.33
85	-239.904007	0.04	0.92	0.64	1.33
83	-239.904007	-0.52	2.44	0.09	2.85
85	-239.904007	0.04	2.44	0.64	2.85
83	-339.864014	-0.52	4.57	0.09	4.98
85	-339.864014	0.04	4.57	0.64	4.98
83	-339.864014	-0.52	5.94	0.09	6.35
85	-339.864014	0.04	5.94	0.64	6.35
97	-339.864014	-0.52	-6.01	0.09	-5.60
98	-339.864014	0.04	-6.01	0.64	-5.60
97	-339.864014	-0.52	-4.64	0.09	-4.23
98	-339.864014	0.04	-4.64	0.64	-4.23
73	-159.936005	-0.21	-1.53	0.40	-1.12
75	-159.936005	0.35	-1.53	0.75	-1.12
77	-159.936005	-0.75	-1.53	-0.54	-1.12
73	-239.904007	-0.21	2.42	0.40	2.84
75	-239.904007	0.35	2.42	0.75	2.84
77	-239.904007	-0.75	2.42	-0.54	2.84
73	-239.904007	-0.21	3.94	0.40	4.36
75	-239.904007	0.35	3.94	0.75	4.36
77	-239.904007	-0.75	3.94	-0.54	4.36
73	-339.864014	-0.21	6.07	0.40	6.49
75	-339.864014	0.35	6.07	0.75	6.49
77	-339.864014	-0.75	6.07	-0.54	6.49
73	-339.864014	-0.21	7.45	0.40	7.50
92	-339.864014	-0.21	-7.50	0.40	-7.14
75	-339.864014	0.35	7.45	0.75	7.50
77	-339.864014	-0.75	7.45	-0.54	7.50
93	-339.864014	0.35	-7.50	0.75	-7.14
94	-339.864014	-0.75	-7.50	-0.54	-7.14
92	-339.864014	-0.21	-4.51	0.40	-4.09
93	-339.864014	0.35	-4.51	0.75	-4.09
94	-339.864014	-0.75	-4.51	-0.54	-4.09

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92	-339.864014	-0.21	-3.13	0.40	-2.72
93	-339.864014	0.35	-3.13	0.75	-2.72
94	-339.864014	-0.75	-3.13	-0.54	-2.72

LOADING 21 IRC: SLS CLASS 70R LOADING N26: REACT FZ +VE

ELEMENT LOAD (UNITS ARE KN METE)

ELEMENT PRESSURE

211	-159.936005	0.46	0.58	0.75	1.00
213	-159.936005	-0.75	0.58	-0.44	1.00
214	-159.936005	-0.49	0.58	0.12	1.00
211	-239.904007	0.46	-3.38	0.75	-2.96
213	-239.904007	-0.75	-3.38	-0.44	-2.96
214	-239.904007	-0.49	-3.38	0.12	-2.96
211	-239.904007	0.46	-4.89	0.75	-4.49
213	-239.904007	-0.75	-4.89	-0.44	-4.49
214	-239.904007	-0.49	-4.89	0.12	-4.49
211	-339.864014	0.46	-7.03	0.75	-6.61
213	-339.864014	-0.75	-7.03	-0.44	-6.61
214	-339.864014	-0.49	-7.03	0.12	-6.61
192	-339.864014	0.46	6.61	0.75	7.01
193	-339.864014	-0.75	6.61	-0.44	7.01
195	-339.864014	-0.49	6.61	0.12	7.01
192	-339.864014	0.46	3.56	0.75	3.96
193	-339.864014	-0.75	3.56	-0.44	3.96
195	-339.864014	-0.49	3.56	0.12	3.96
192	-339.864014	0.45	2.18	0.75	2.60
193	-339.864014	-0.75	2.18	-0.44	2.60
195	-339.864014	-0.49	2.18	0.12	2.60
87	-159.936005	0.46	0.84	0.75	1.25
89	-159.936005	-0.75	0.84	-0.44	1.25
90	-159.936005	-0.49	0.84	0.12	1.25
87	-239.904007	0.46	-3.12	0.75	-2.71
89	-239.904007	-0.75	-3.12	-0.44	-2.71
90	-239.904007	-0.49	-3.12	0.12	-2.71
87	-239.904007	0.46	-4.64	0.75	-4.23
89	-239.904007	-0.75	-4.64	-0.44	-4.23
90	-239.904007	-0.49	-4.64	0.12	-4.23
87	-339.864014	0.46	-6.77	0.75	-6.36
89	-339.864014	-0.75	-6.77	-0.44	-6.36
90	-339.864014	-0.49	-6.77	0.12	-6.36
67	-339.864014	0.46	6.86	0.75	7.27
69	-339.864014	-0.75	6.86	-0.44	7.27
71	-339.864014	-0.49	6.86	0.12	7.27
67	-339.864014	0.46	3.81	0.75	4.22
69	-339.864014	-0.75	3.81	-0.44	4.22
71	-339.864014	-0.49	3.81	0.12	4.22
67	-339.864014	0.46	2.44	0.75	2.85
69	-339.864014	-0.75	2.44	-0.44	2.85
71	-339.864014	-0.49	2.44	0.12	2.85

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203	-159.936005	-0.65	0.58	-0.04	1.00
205	-159.936005	-0.09	0.58	0.52	1.00
203	-239.904007	-0.65	-3.38	-0.04	-2.96
205	-239.904007	-0.09	-3.38	0.52	-2.96
203	-239.904007	-0.65	-4.89	-0.04	-4.49
205	-239.904007	-0.09	-4.89	0.52	-4.49
203	-339.864014	-0.65	-7.03	-0.04	-6.61
205	-339.864014	-0.09	-7.03	0.52	-6.61
188	-339.864014	-0.65	6.61	-0.04	7.01
189	-339.864014	-0.09	6.61	0.52	7.01
188	-339.864014	-0.65	3.56	-0.04	3.96
189	-339.864014	-0.09	3.56	0.52	3.96
188	-339.864014	-0.65	2.18	-0.04	2.60
189	-339.864014	-0.09	2.18	0.52	2.60
79	-159.936005	-0.64	0.84	-0.04	1.25
81	-159.936005	-0.09	0.84	0.52	1.25
79	-239.904007	-0.64	-3.12	-0.04	-2.71
81	-239.904007	-0.09	-3.12	0.52	-2.71
79	-239.904007	-0.64	-4.64	-0.04	-4.23
81	-239.904007	-0.09	-4.64	0.52	-4.23
79	-339.864014	-0.64	-6.77	-0.04	-6.36
81	-339.864014	-0.09	-6.77	0.52	-6.36
59	-339.864014	-0.64	6.86	-0.04	7.27
61	-339.864014	-0.09	6.86	0.52	7.27
59	-339.864014	-0.64	3.81	-0.04	4.22
61	-339.864014	-0.09	3.81	0.52	4.22
59	-339.864014	-0.64	2.44	-0.04	2.85
61	-339.864014	-0.09	2.44	0.52	2.85

FOR LOADING - 1

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00000E+00	-2.34143E+02	0.00000E+00	4.41780E+02	0.00000E+00	-4.41780E+00
2	0.00000E+00	-6.20916E+02	0.00000E+00	1.76712E+03	0.00000E+00	-1.47260E+00
3	0.00000E+00	-6.20916E+02	0.00000E+00	1.76712E+03	0.00000E+00	1.47260E+00
4	0.00000E+00	-2.34143E+02	0.00000E+00	4.41780E+02	0.00000E+00	4.41780E+00
5	0.00000E+00	-4.50616E+02	0.00000E+00	-8.27526E-05	0.00000E+00	-4.41780E+00
6	0.00000E+00	-9.74340E+02	0.00000E+00	0.00000E+00	0.00000E+00	-1.47260E+00
7	0.00000E+00	-9.74340E+02	0.00000E+00	0.00000E+00	0.00000E+00	1.47260E+00
8	0.00000E+00	-4.50616E+02	0.00000E+00	-8.27526E-05	0.00000E+00	4.41780E+00
9	0.00000E+00	-4.50616E+02	0.00000E+00	-3.58594E-04	0.00000E+00	-4.41780E+00
10	0.00000E+00	-9.74340E+02	0.00000E+00	-3.31010E-04	0.00000E+00	-1.47260E+00
11	0.00000E+00	-9.74340E+02	0.00000E+00	-3.31010E-04	0.00000E+00	1.47260E+00
12	0.00000E+00	-4.50616E+02	0.00000E+00	-3.58594E-04	0.00000E+00	4.41780E+00
13	0.00000E+00	-4.50616E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.41780E+00
14	0.00000E+00	-9.74340E+02	0.00000E+00	6.62020E-04	0.00000E+00	-1.47260E+00
15	0.00000E+00	-9.74340E+02	0.00000E+00	6.62020E-04	0.00000E+00	1.47260E+00
16	0.00000E+00	-4.50616E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.41780E+00
17	0.00000E+00	-4.50615E+02	0.00000E+00	-7.17189E-04	0.00000E+00	-4.41780E+00
18	0.00000E+00	-9.74340E+02	0.00000E+00	-1.43438E-03	0.00000E+00	-1.47260E+00
19	0.00000E+00	-9.74340E+02	0.00000E+00	-1.43438E-03	0.00000E+00	1.47260E+00
20	0.00000E+00	-4.50615E+02	0.00000E+00	-7.17189E-04	0.00000E+00	4.41780E+00
21	0.00000E+00	-2.34143E+02	0.00000E+00	-4.41780E+02	0.00000E+00	-4.41780E+00
22	0.00000E+00	-6.20916E+02	0.00000E+00	-1.76712E+03	0.00000E+00	-1.47260E+00
23	0.00000E+00	-6.20916E+02	0.00000E+00	-1.76712E+03	0.00000E+00	1.47260E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
24	0.00000E+00	-2.34143E+02	0.00000E+00	-4.41780E+02	0.00000E+00	4.41780E+00
25	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	-2.49821E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-4.32944E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
41	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-1.03082E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
43	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-1.08972E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
45	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
47	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-1.08972E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
49	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-1.03082E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
51	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
53	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06
55	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-4.32944E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
59	0.00000E+00	-1.82603E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
60	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
61	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
62	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
63	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
64	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
65	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06
66	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-4.32944E+02	0.00000E+00	1.65505E-04	0.00000E+00	0.00000E+00
68	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
72	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-4.32944E+02	0.00000E+00	1.65505E-04	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
77	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
78	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
79	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
80	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
81	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
82	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
83	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
84	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
85	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06
86	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-4.32944E+02	0.00000E+00	3.58594E-04	0.00000E+00	0.00000E+00
88	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
90	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
92	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-4.32944E+02	0.00000E+00	3.58594E-04	0.00000E+00	0.00000E+00
97	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
99	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
100	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
101	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
102	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
103	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
104	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
105	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06
106	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
107	0.00000E+00	-4.32945E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
112	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-4.32944E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
119	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
120	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
121	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
122	0.00000E+00	-1.88493E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
123	0.00000E+00	-1.82602E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
124	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
125	0.00000E+00	-1.94383E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06
126	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
127	0.00000E+00	-4.32944E+02	0.00000E+00	7.17189E-04	0.00000E+00	0.00000E+00
128	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
130	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-1.59041E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-4.32944E+02	0.00000E+00	7.17189E-04	0.00000E+00	0.00000E+00
137	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.31003E-07
139	0.00000E+00	-1.03082E+02	0.00000E+00	0.00000E+00	0.00000E+00	3.92693E+00
140	0.00000E+00	-1.08972E+02	0.00000E+00	0.00000E+00	0.00000E+00	-2.45434E+00
141	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.58602E-06
142	0.00000E+00	-1.08972E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.45433E+00
143	0.00000E+00	-1.03082E+02	0.00000E+00	0.00000E+00	0.00000E+00	-3.92693E+00
144	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	-4.74103E-06
145	0.00000E+00	-1.14863E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.74103E-06

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 1
LOADTYPE DEAD TITLE DEAD

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
(FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.750000029E+01
Y = -0.942786829E+00
Z = 0.749999999E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 1)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -38157.28
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= 2861796.12 MY= 0.00 MZ= -286179.62

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 1)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = 38157.28
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= -2861796.12 MY= 0.00 MZ= 286179.62

STAAD SPACE

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MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 1)
 MAXIMUMS AT NODE
 X = -1.17924E-03 6
 Y = -5.38676E+00 39
 Z = 2.99513E-02 3
 RX= 5.29790E-03 1
 RY= 7.34249E-06 52
 RZ= -6.75343E-03 20

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 128.98	-249.82 -1824.37	0.00 -362.95	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -128.98	-249.82 -1824.37	0.00 -362.95	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 238.28	-249.82 -3548.21	0.00 52.07	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -238.28	-249.82 -3548.21	0.00 52.07	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 232.27	-249.82 -3417.28	0.00 -7.77	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -232.27	-249.82 -3417.28	0.00 -7.77	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 232.27	-249.82 -3417.28	0.00 7.77	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 -232.27	-249.82 -3417.28	0.00 7.77	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 238.28	-249.82 -3548.21	0.00 -52.07	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -238.28	-249.82 -3548.21	0.00 -52.07	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 128.98	-249.82 -1824.37	0.00 362.95	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -128.98	-249.82 -1824.37	0.00 362.95	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 2

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00000E+00	-9.70224E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-7.04343E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	-8.79103E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-1.38389E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-5.56200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.90615E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	-1.60306E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-1.98062E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-1.19926E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

63	0.00000E+00	-2.18147E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-1.89916E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-1.62683E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
73	0.00000E+00	-1.25141E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-1.08926E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-9.33120E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-4.03990E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0.00000E+00	-2.72334E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-2.37025E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-2.03054E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-3.11752E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-2.71412E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-2.32492E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-1.00658E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-4.30243E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-3.72820E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-3.19802E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-1.71003E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-1.48875E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-1.27527E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-5.52132E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-1.72286E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-1.49967E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-1.28469E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-8.70387E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-6.90003E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-6.07791E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-2.60513E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-9.70961E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-7.69733E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-6.78021E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 2

IRC: SLS CLASS 70R LOADING N19: DISP X +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
(FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.122241345E+02
Y = 0.000000000E+00
Z = 0.699417259E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 2)

SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -2229.03
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 155901.91 MY= 0.00 MZ= -27247.91

***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 2)

SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = 2229.03
SUMMATION FORCE-Z = 0.00

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SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -155901.91 MY= 0.00 MZ= 27247.91

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 2)

	MAXIMUMS	AT NODE
X =	3.00465E-01	15
Y =	-1.81994E+00	96
Z =	2.25720E-02	1
RX=	6.31015E-04	12
RY=	2.38792E-05	42
RZ=	-2.28262E-03	93

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 30.65	0.00 -122.96	0.00 0.82	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 3.16	0.00 11.33	0.00 0.58	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 21.50	0.00 208.41	0.00 -8.26	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -39.51	0.00 -764.34	0.00 -16.91	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 18.29	0.00 289.49	0.00 -21.76	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -36.32	0.00 -817.02	0.00 -33.24	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 19.01	0.00 298.61	0.00 16.82	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 -35.56	0.00 -838.07	0.00 25.32	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 21.57	0.00 236.64	0.00 17.05	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -31.29	0.00 -741.64	0.00 27.40	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 15.38	0.00 81.34	0.00 -4.00	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 13.12	0.00 -70.81	0.00 -3.83	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 3

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-1.48749E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.62296E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-4.95433E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
55	0.00000E+00	-3.71880E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-2.09596E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-1.86150E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-3.51606E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-2.63921E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-2.53928E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-4.79626E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-3.60015E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-2.02909E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 3
 IRC: SLS CLASS 70R LOADING N61: DISP Y +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.745749861E+01
 Y = 0.000000000E+00
 Z = 0.296967061E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 3)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 59393.40 MY= 0.00 MZ= -14915.00

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 3)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 2000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -59393.40 MY= 0.00 MZ= 14915.00

STAAD SPACE

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MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 3)

	MAXIMUMS	AT NODE
X =	-1.11033E-02	2
Y =	-1.06025E+00	5
Z =	3.42505E-02	1
RX=	7.11723E-04	1
RY=	2.36368E-06	43
RZ=	2.35385E-03	57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 11.07	0.00 -64.35	0.00 -26.07	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -11.13	0.00 -42.46	0.00 -23.79	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 97.36	0.00 -912.97	0.00 7.27	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -96.34	0.00 -888.00	0.00 5.19	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.15	0.00 -43.81	0.00 16.03	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -12.42	0.00 -58.00	0.00 17.01	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 -0.44	0.00 4.21	0.00 -0.60	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 0.37	0.00 7.98	0.00 -0.90	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 0.12	0.00 -0.08	0.00 1.95	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -0.07	0.00 -1.18	0.00 1.99	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 0.15	0.00 0.00	0.00 0.98	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 0.17	0.00 -1.33	0.00 0.93	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 4

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	-2.11459E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.00970E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-5.38983E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.81813E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-4.64811E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.43031E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-4.79645E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.50788E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.64627E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

51	0.00000E+00	-1.86160E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.99835E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51624E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
54	0.00000E+00	-3.75184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.63935E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48757E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-2.76220E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-2.38208E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.45811E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.51502E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-4.75043E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.56575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-1.54459E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-8.67013E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-7.97118E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-2.32452E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-5.63385E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-3.16241E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-2.90747E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-8.47862E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
128	0.00000E+00	-3.52317E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-1.97764E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-1.81821E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-5.30217E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 4
 IRC: SLS CLASS 70R LOADING N3: DISP Z +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.809666745E+01
 Y = 0.000000000E+00
 Z = 0.488192010E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 4)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 146457.58 MY= 0.00 MZ= -24290.00

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 4)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -146457.58 MY= 0.00 MZ= 24290.00

STAAD SPACE

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MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 4)
 MAXIMUMS AT NODE
 X = 3.36771E-01 37
 Y = -3.84547E+00 56
 Z = 2.50405E-01 4
 RX= 3.63204E-03 4
 RY= -4.00990E-05 40
 RZ= -2.61396E-03 53

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 26.54	0.00 -156.37	0.00 -148.25	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -28.14	0.00 -842.70	0.00 -201.73	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 23.96	0.00 -90.91	0.00 135.12	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -39.07	0.00 -989.06	0.00 172.69	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 5.90	0.00 51.55	0.00 -4.12	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 10.50	0.00 58.18	0.00 -12.67	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 4.70	0.00 -85.93	0.00 -8.19	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 1.82	0.00 -38.67	0.00 -0.08	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 3.63	0.00 -809.79	0.00 26.01	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 4.17	0.00 -73.05	0.00 23.14	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 -7.07	0.00 -50.55	0.00 9.03	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -6.94	0.00 27.30	0.00 9.04	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 5

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00000E+00	-2.78942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
5	0.00000E+00	-1.93967E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	-2.25660E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	-2.48979E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	-4.15708E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-2.54905E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-1.71042E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-5.67554E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-3.48014E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

42	0.00000E+00	-1.53940E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-9.43937E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.59851E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
47	0.00000E+00	-2.53148E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-3.48721E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-2.45319E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-4.04368E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.84465E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.89069E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.94657E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-1.07045E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.42002E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-3.31425E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-3.84312E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-3.36301E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-4.59142E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-1.24535E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-1.17136E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-4.01682E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-4.36904E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-7.78344E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
126	0.00000E+00	-2.54647E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
127	0.00000E+00	-1.70869E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
128	0.00000E+00	-3.47662E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-9.42978E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-8.86955E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-3.04153E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-3.30823E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-5.89361E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
137	0.00000E+00	-3.71054E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-5.06589E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-1.37404E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-1.29241E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-4.43191E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-4.82052E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-8.58776E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 5
 IRC: SLS CLASS 70R LOADING P53: STRESS MAX ABSOLUTE +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.562500021E+01
 Y = 0.000000000E+00
 Z = 0.749134442E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 5)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 299653.73 MY= 0.00 MZ= -22500.00

STAAD SPACE

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***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 5)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -299653.73 MY= 0.00 MZ= 22500.00

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 5)

MAXIMUMS AT NODE
 X = -2.76625E-01 54
 Y = -3.89156E+00 39
 Z = 1.82074E-02 1
 RX= 3.56026E-03 1
 RY= 1.79356E-05 52
 RZ= 2.77486E-03 128

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 35.16	0.00 -853.31	0.00 -210.16	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -24.06	0.00 -139.50	0.00 -155.54	0.00 0.00	0.00 0.00	0.00 0.00 111000
27	0.00 37.82	0.00 -981.03	0.00 162.97	0.00 0.00	0.00 0.00	0.00 0.00 111000
28	0.00 -24.30	0.00 -110.88	0.00 125.68	0.00 0.00	0.00 0.00	0.00 0.00 111000
29	0.00 -14.43	0.00 21.96	0.00 -29.97	0.00 0.00	0.00 0.00	0.00 0.00 111000
30	0.00 -11.04	0.00 62.82	0.00 -19.66	0.00 0.00	0.00 0.00	0.00 0.00 111000
31	0.00 -13.17	0.00 12.61	0.00 29.48	0.00 0.00	0.00 0.00	0.00 0.00 111000
32	0.00 -9.91	0.00 72.15	0.00 20.15	0.00 0.00	0.00 0.00	0.00 0.00 111000
33	0.00 40.54	0.00 -924.24	0.00 -159.18	0.00 0.00	0.00 0.00	0.00 0.00 111000
34	0.00 -27.78	0.00 -179.47	0.00 -128.37	0.00 0.00	0.00 0.00	0.00 0.00 111000
35	0.00 36.57	0.00 -775.99	0.00 205.13	0.00 0.00	0.00 0.00	0.00 0.00 111000
36	0.00 -25.38	0.00 -205.12	0.00 159.47	0.00 0.00	0.00 0.00	0.00 0.00 111000

FOR LOADING - 6

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
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1	0.00000E+00	-2.42992E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	0.00000E+00	-1.58368E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
5	0.00000E+00	-2.30940E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
8	0.00000E+00	-2.56256E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	-2.61392E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.05067E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	-2.11788E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.06813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	-3.62131E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-2.54752E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-1.70940E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-4.94407E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-3.47806E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-1.34100E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-9.43369E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-1.98188E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.85885E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-3.74342E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51105E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-2.80987E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.63545E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48538E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-3.44170E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-4.69885E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-1.27449E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-3.20688E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-6.05724E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-4.54666E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-3.89554E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-5.31846E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-1.44255E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.58014E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.85585E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-3.64744E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
126	0.00000E+00	-2.54864E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
127	0.00000E+00	-1.71015E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
128	0.00000E+00	-3.47958E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-9.43783E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86319E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51584E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64145E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
137	0.00000E+00	-3.15628E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-4.30918E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-1.16880E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.59268E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.89713E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.67949E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 6
 IRC: SLS CLASS 70R LOADING P85: STRESS MAX ABSOLUTE +VE

STAAD SPACE

-- PAGE NO. 387

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.745735384E+01
 Y = 0.000000000E+00
 Z = 0.750907370E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 6)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 300362.87 MY= 0.00 MZ= -29829.41

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 6)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -300362.87 MY= 0.00 MZ= 29829.41

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 6)

MAXIMUMS AT NODE
 X = -1.36391E-02 54
 Y = -3.53904E+00 127
 Z = -9.71792E-03 23
 RX= -3.14417E-03 21
 RY= 4.89487E-06 52
 RZ= 3.23251E-03 128

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 53.31	0.00 -504.19	0.00 -179.99	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -51.13	0.00 -441.81	0.00 -179.20	0.00 0.00	0.00 0.00	0.00 0.00 111000
27	0.00 58.31	0.00 -557.93	0.00 141.71	0.00 0.00	0.00 0.00	0.00 0.00 111000
28	0.00 -60.58	0.00 -581.44	0.00 140.92	0.00 0.00	0.00 0.00	0.00 0.00 111000
29	0.00 -1.46	0.00 43.16	0.00 -24.26	0.00 0.00	0.00 0.00	0.00 0.00 111000
30	0.00 0.57	0.00 42.18	0.00 -23.93	0.00 0.00	0.00 0.00	0.00 0.00 111000
31	0.00 -1.26	0.00 41.09	0.00 24.19	0.00 0.00	0.00 0.00	0.00 0.00 111000

STAAD SPACE

-- PAGE NO. 388

32	0.00	0.00	0.00	0.00	0.00	0.00	
	0.89	44.44	24.02	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	59.68	-580.90	-141.74	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-58.04	-546.59	-141.21	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	52.81	-475.35	180.22	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-53.09	-482.65	179.26	0.00	0.00	0.00	111000

FOR LOADING - 7

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-6.17928E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-5.98817E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-6.94373E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.44083E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-2.36534E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.74279E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-1.74575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
72	0.00000E+00	-1.69175E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-1.96172E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-6.85645E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-2.35120E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.55414E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.53861E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-5.14205E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-1.76330E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.91550E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.40377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-6.18443E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-2.12075E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.30380E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.09377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 7

IRC: SLS CLASS 70R LOADING B41: FORCE END A: FX +VE

STAAD SPACE

-- PAGE NO. 389

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.687386589E+01
 Y = 0.000000000E+00
 Z = 0.668343524E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 7)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 200448.29 MY= 0.00 MZ= -20615.97

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 7)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -200448.29 MY= 0.00 MZ= 20615.97

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 7)

MAXIMUMS AT NODE
 X = -3.17398E-01 54
 Y = -1.08713E+00 39
 Z = -4.71935E-02 24
 RX= -1.01984E-03 145
 RY= 3.48142E-05 138
 RZ= 2.29894E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 -7.54	0.00 -206.11	0.00 -43.10	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -19.75	0.00 56.72	0.00 -30.20	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 64.90	0.00 -1460.40	0.00 17.20	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -20.85	0.00 -332.77	0.00 14.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 0.97	0.00 -135.73	0.00 11.54	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -9.94	0.00 67.73	0.00 2.51	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 -3.11	0.00 -4.68	0.00 2.05	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE

-- PAGE NO. 390

32	0.00	0.00	0.00	0.00	0.00	0.00	
	-1.25	40.20	6.18	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	0.63	-10.21	-35.93	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-5.43	-251.50	-50.39	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	1.51	-58.04	44.10	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.13	-704.39	61.39	0.00	0.00	0.00	111000

FOR LOADING - 8

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-6.17928E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-5.98817E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-6.94373E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.44083E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-2.36534E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.74279E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-1.74575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
72	0.00000E+00	-1.69175E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-1.96172E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-6.85645E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-2.35120E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.55414E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.53861E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-5.14205E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-1.76330E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.91550E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.40377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-6.18443E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-2.12075E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.30380E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.09377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 8

IRC: SLS CLASS 70R LOADING B41: FORCE END B: FX +VE

STAAD SPACE

-- PAGE NO. 391

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.687386589E+01
 Y = 0.000000000E+00
 Z = 0.668343524E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 8)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 200448.29 MY= 0.00 MZ= -20615.97

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 8)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -200448.29 MY= 0.00 MZ= 20615.97

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 8)

MAXIMUMS AT NODE
 X = -3.17398E-01 54
 Y = -1.08713E+00 39
 Z = -4.71935E-02 24
 RX= -1.01984E-03 145
 RY= 3.48142E-05 138
 RZ= 2.29894E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 -7.54	0.00 -206.11	0.00 -43.10	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -19.75	0.00 56.72	0.00 -30.20	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 64.90	0.00 -1460.40	0.00 17.20	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -20.85	0.00 -332.77	0.00 14.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 0.97	0.00 -135.73	0.00 11.54	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -9.94	0.00 67.73	0.00 2.51	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 -3.11	0.00 -4.68	0.00 2.05	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE

-- PAGE NO. 392

32	0.00	0.00	0.00	0.00	0.00	0.00	
	-1.25	40.20	6.18	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	0.63	-10.21	-35.93	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-5.43	-251.50	-50.39	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	1.51	-58.04	44.10	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.13	-704.39	61.39	0.00	0.00	0.00	111000

FOR LOADING - 9

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
13	0.00000E+00	-1.71040E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-1.48845E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
86	0.00000E+00	-3.06445E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-2.05626E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-4.18380E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-1.13479E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-2.91735E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-5.51037E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-4.13617E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-2.33120E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
97	0.00000E+00	-2.54900E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-3.48008E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-9.43915E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-1.86271E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-3.51833E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-2.64092E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
106	0.00000E+00	-3.98377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
107	0.00000E+00	-2.67313E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-5.43892E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-1.47522E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-2.23288E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-4.21752E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-3.16574E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-1.78425E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 9
 IRC: SLS CLASS 70R LOADING B23: FORCE END A: FX -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.745749851E+01
 Y = 0.000000000E+00
 Z = 0.899959996E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 9)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2000.00
 SUMMATION FORCE-Z = 0.00

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SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 179992.01 MY= 0.00 MZ= -14915.00

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 9)

SUMMATION FORCE-X = 0.00

SUMMATION FORCE-Y = 2000.00

SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -179992.01 MY= 0.00 MZ= 14915.00

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 9)

MAXIMUMS AT NODE

X = -7.29390E-03 143

Y = -1.04686E+00 13

Z = 5.26988E-03 12

RX= -4.50330E-04 17

RY= -1.68464E-06 93

RZ= 2.32250E-03 97

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 0.14	0.00 0.15	0.00 -0.24	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 0.00	0.00 -1.41	0.00 -0.43	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 -0.36	0.00 4.50	0.00 2.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 0.52	0.00 9.11	0.00 3.14	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.62	0.00 -43.78	0.00 -16.05	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -13.26	0.00 -71.48	0.00 -17.72	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 96.51	0.00 -906.78	0.00 -1.25	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 -95.30	0.00 -887.44	0.00 1.73	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 12.93	0.00 -76.43	0.00 18.44	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -11.80	0.00 -37.77	0.00 16.33	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 -0.61	0.00 5.34	0.00 -3.76	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -0.39	0.00 5.98	0.00 -2.84	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 10

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
13	0.00000E+00	-1.71040E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-1.48845E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
86	0.00000E+00	-3.06445E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-2.05626E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-4.18380E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-1.13479E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-2.91735E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-5.51037E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-4.13617E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-2.33120E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
97	0.00000E+00	-2.54900E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-3.48008E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-9.43915E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-1.86271E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-3.51833E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-2.64092E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
106	0.00000E+00	-3.98377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
107	0.00000E+00	-2.67313E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-5.43892E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-1.47522E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-2.23288E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-4.21752E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-3.16574E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-1.78425E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 10
 IRC: SLS CLASS 70R LOADING B23: FORCE END B: FX -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.745749851E+01
 Y = 0.000000000E+00
 Z = 0.899959996E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 10)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 179992.01 MY= 0.00 MZ= -14915.00

***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 10)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 2000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -179992.01 MY= 0.00 MZ= 14915.00

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MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 10)
 MAXIMUMS AT NODE
 X = -7.29390E-03 143
 Y = -1.04686E+00 13
 Z = 5.26988E-03 12
 RX= -4.50330E-04 17
 RY= -1.68464E-06 93
 RZ= 2.32250E-03 97

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 0.14	0.00 0.15	0.00 -0.24	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 0.00	0.00 -1.41	0.00 -0.43	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 -0.36	0.00 4.50	0.00 2.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 0.52	0.00 9.11	0.00 3.14	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.62	0.00 -43.78	0.00 -16.05	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -13.26	0.00 -71.48	0.00 -17.72	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 96.51	0.00 -906.78	0.00 -1.25	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 -95.30	0.00 -887.44	0.00 1.73	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 12.93	0.00 -76.43	0.00 18.44	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -11.80	0.00 -37.77	0.00 16.33	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 -0.61	0.00 5.34	0.00 -3.76	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -0.39	0.00 5.98	0.00 -2.84	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 11

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
8	0.00000E+00	-6.43799E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	-2.55530E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-3.68149E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.61866E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-2.00929E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-3.82874E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-1.43101E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.72975E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-1.27245E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

45	0.00000E+00	-2.42640E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-4.79366E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-9.14207E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
58	0.00000E+00	-1.23701E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-8.81405E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-7.83618E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.95226E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-1.99461E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-1.73578E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-1.48706E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-3.15411E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-2.74598E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-2.35221E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-1.01840E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
78	0.00000E+00	-2.83534E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	0.00000E+00	-2.02126E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
80	0.00000E+00	-1.79671E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	0.00000E+00	-6.76947E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0.00000E+00	-7.93150E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-6.88654E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-5.90375E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-1.31803E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-9.39736E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
90	0.00000E+00	-8.35294E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0.00000E+00	-3.14720E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-1.61270E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-3.16277E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
100	0.00000E+00	-2.59934E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
101	0.00000E+00	-2.37927E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-1.14017E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-9.92671E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-8.50315E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-1.21395E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-2.39085E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-1.96479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-1.79850E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-2.29271E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-1.99575E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-1.70964E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-7.40184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-3.64606E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-6.96619E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-5.72766E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-5.24189E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
128	0.00000E+00	-7.67486E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-1.48096E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-1.21643E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-1.11205E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-2.62631E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-2.28151E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-1.95343E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-8.45238E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-6.39077E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-1.23491E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-1.01431E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-9.27281E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
143	0.00000E+00	-8.13452E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-7.06702E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-6.05223E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 11
 IRC: SLS CLASS 70R LOADING B31: FORCE END A: FY +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.876387158E+01
 Y = 0.000000000E+00
 Z = 0.868025052E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 11)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4899.79
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 425314.40 MY= 0.00 MZ= -42941.17

***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 11)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4899.79
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -425314.40 MY= 0.00 MZ= 42941.17

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 11)

	MAXIMUMS	AT NODE
X =	3.67289E-01	137
Y =	-1.98792E+00	76
Z =	-4.92949E-02	24
RX=	-1.83014E-03	24
RY=	3.26745E-05	52
RZ=	-2.94897E-03	73

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 9.07	0.00 -285.39	0.00 -85.68	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 4.35	0.00 -28.93	0.00 -47.21	0.00 0.00	0.00 0.00	0.00 0.00	111000

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27	0.00	0.00	0.00	0.00	0.00	0.00	
	16.68	-179.14	31.35	0.00	0.00	0.00	111000
28	0.00	0.00	0.00	0.00	0.00	0.00	
	-28.35	-600.02	-21.96	0.00	0.00	0.00	111000
29	0.00	0.00	0.00	0.00	0.00	0.00	
	11.11	-258.94	16.57	0.00	0.00	0.00	111000
30	0.00	0.00	0.00	0.00	0.00	0.00	
	-20.81	-617.33	58.27	0.00	0.00	0.00	111000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	27.99	-248.12	-59.33	0.00	0.00	0.00	111000
32	0.00	0.00	0.00	0.00	0.00	0.00	
	-21.65	-695.70	-82.12	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	29.30	-71.18	11.92	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-35.63	-1045.99	4.29	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	24.19	-168.59	71.14	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-16.25	-700.48	102.76	0.00	0.00	0.00	111000

FOR LOADING - 12

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
8	0.00000E+00	-6.43799E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	-2.55530E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-3.68149E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.61866E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-2.00929E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-3.82874E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-1.43101E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.72975E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-1.27245E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.42640E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-4.79366E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-9.14207E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-1.23701E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-8.81405E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-7.83618E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.95226E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-1.99461E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-1.73578E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-1.48706E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-3.15411E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-2.74598E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-2.35221E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-1.01840E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
78	0.00000E+00	-2.83534E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	0.00000E+00	-2.02126E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
80	0.00000E+00	-1.79671E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	0.00000E+00	-6.76947E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0.00000E+00	-7.93150E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-6.88654E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-5.90375E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-1.31803E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-9.39736E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
90	0.00000E+00	-8.35294E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0.00000E+00	-3.14720E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-1.61270E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-3.16277E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
100	0.00000E+00	-2.59934E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
101	0.00000E+00	-2.37927E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-1.14017E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-9.92671E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-8.50315E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-1.21395E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-2.39085E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-1.96479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-1.79850E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-2.29271E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-1.99575E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-1.70964E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-7.40184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-3.64606E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-6.96619E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-5.72766E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-5.24189E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
128	0.00000E+00	-7.67486E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-1.48096E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-1.21643E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-1.11205E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-2.62631E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-2.28151E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-1.95343E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-8.45238E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-6.39077E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-1.23491E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-1.01431E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-9.27281E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-8.13452E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-7.06702E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-6.05223E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 12
 IRC: SLS CLASS 70R LOADING B31: FORCE END B: FY +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.876387158E+01
 Y = 0.000000000E+00
 Z = 0.868025052E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 12)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4899.79
 SUMMATION FORCE-Z = 0.00

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SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 425314.40 MY= 0.00 MZ= -42941.17

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 12)

SUMMATION FORCE-X = 0.00

SUMMATION FORCE-Y = 4899.79

SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -425314.40 MY= 0.00 MZ= 42941.17

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 12)

MAXIMUMS AT NODE

X = 3.67289E-01 137

Y = -1.98792E+00 76

Z = -4.92949E-02 24

RX= -1.83014E-03 24

RY= 3.26745E-05 52

RZ= -2.94897E-03 73

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 9.07	0.00 -285.39	0.00 -85.68	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 4.35	0.00 -28.93	0.00 -47.21	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 16.68	0.00 -179.14	0.00 31.35	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -28.35	0.00 -600.02	0.00 -21.96	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.11	0.00 -258.94	0.00 16.57	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -20.81	0.00 -617.33	0.00 58.27	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 27.99	0.00 -248.12	0.00 -59.33	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 -21.65	0.00 -695.70	0.00 -82.12	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 29.30	0.00 -71.18	0.00 11.92	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -35.63	0.00 -1045.99	0.00 4.29	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 24.19	0.00 -168.59	0.00 71.14	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -16.25	0.00 -700.48	0.00 102.76	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 13

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
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STAAD SPACE

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-1.95241E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.46028E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-1.89203E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-2.38419E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.19395E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.76465E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-5.77809E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-5.59939E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-6.49291E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-1.03538E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-3.53749E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-3.85270E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-6.83358E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-8.90579E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-3.04276E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-3.31388E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-5.87788E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-1.42549E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-4.87034E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-5.30431E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-9.40833E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 13
 IRC: SLS CLASS 70R LOADING B76: FORCE END A: FY -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.687466599E+01
 Y = 0.000000000E+00
 Z = 0.605786067E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 13)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 181735.79 MY= 0.00 MZ= -20623.99

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***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 13)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -181735.79 MY= 0.00 MZ= 20623.99

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 13)

MAXIMUMS AT NODE
 X = -2.65153E-01 54
 Y = -1.73527E+00 133
 Z = 3.82757E-02 107
 RX= -1.76364E-03 145
 RY= 3.49369E-05 138
 RZ= 2.25387E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 -7.63	0.00 -286.90	0.00 -102.38	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -22.52	0.00 -198.51	0.00 -105.65	0.00 0.00	0.00 0.00	0.00 0.00 111000
27	0.00 72.38	0.00 -1391.28	0.00 71.18	0.00 0.00	0.00 0.00	0.00 0.00 111000
28	0.00 -29.22	0.00 -122.53	0.00 80.78	0.00 0.00	0.00 0.00	0.00 0.00 111000
29	0.00 3.05	0.00 -119.07	0.00 1.87	0.00 0.00	0.00 0.00	0.00 0.00 111000
30	0.00 -6.32	0.00 113.77	0.00 -12.00	0.00 0.00	0.00 0.00	0.00 0.00 111000
31	0.00 -1.72	0.00 1.54	0.00 8.48	0.00 0.00	0.00 0.00	0.00 0.00 111000
32	0.00 0.80	0.00 46.25	0.00 16.28	0.00 0.00	0.00 0.00	0.00 0.00 111000
33	0.00 -0.48	0.00 -33.11	0.00 -60.56	0.00 0.00	0.00 0.00	0.00 0.00 111000
34	0.00 -10.43	0.00 -506.42	0.00 -84.06	0.00 0.00	0.00 0.00	0.00 0.00 111000
35	0.00 4.42	0.00 -46.38	0.00 77.50	0.00 0.00	0.00 0.00	0.00 0.00 111000
36	0.00 -2.33	0.00 -457.36	0.00 108.55	0.00 0.00	0.00 0.00	0.00 0.00 111000

FOR LOADING - 14

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
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5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-1.95241E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.46028E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-1.89203E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-2.38419E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.19395E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.76465E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-5.77809E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-5.59939E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-6.49291E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-1.03538E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-3.53749E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-3.85270E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-6.83358E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-8.90579E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-3.04276E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-3.31388E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-5.87788E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-1.42549E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-4.87034E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-5.30431E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-9.40833E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 14
 IRC: SLS CLASS 70R LOADING B76: FORCE END B: FY -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METER).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.687466599E+01
 Y = 0.000000000E+00
 Z = 0.605786067E+02

***TOTAL APPLIED LOAD (KN METER) SUMMARY (LOADING 14)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 181735.79 MY= 0.00 MZ= -20623.99

STAAD SPACE

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***TOTAL REACTION LOAD (KN METE) SUMMARY (LOADING 14)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -181735.79 MY= 0.00 MZ= 20623.99

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 14)

MAXIMUMS AT NODE
 X = -2.65153E-01 54
 Y = -1.73527E+00 133
 Z = 3.82757E-02 107
 RX= -1.76364E-03 145
 RY= 3.49369E-05 138
 RZ= 2.25387E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 -7.63	0.00 -286.90	0.00 -102.38	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -22.52	0.00 -198.51	0.00 -105.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 72.38	0.00 -1391.28	0.00 71.18	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -29.22	0.00 -122.53	0.00 80.78	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 3.05	0.00 -119.07	0.00 1.87	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -6.32	0.00 113.77	0.00 -12.00	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 -1.72	0.00 1.54	0.00 8.48	0.00 0.00	0.00 0.00	0.00 0.00	111000
32	0.00 0.80	0.00 46.25	0.00 16.28	0.00 0.00	0.00 0.00	0.00 0.00	111000
33	0.00 -0.48	0.00 -33.11	0.00 -60.56	0.00 0.00	0.00 0.00	0.00 0.00	111000
34	0.00 -10.43	0.00 -506.42	0.00 -84.06	0.00 0.00	0.00 0.00	0.00 0.00	111000
35	0.00 4.42	0.00 -46.38	0.00 77.50	0.00 0.00	0.00 0.00	0.00 0.00	111000
36	0.00 -2.33	0.00 -457.36	0.00 108.55	0.00 0.00	0.00 0.00	0.00 0.00	111000

FOR LOADING - 15

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
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4	0.00000E+00	-2.11459E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.00970E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.27194E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
24	0.00000E+00	-1.84304E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-4.04368E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.84465E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.48721E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.45319E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.59851E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.53148E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.64627E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.86160E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.99835E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51624E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-3.75184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.63935E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48757E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-3.84312E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.31425E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.42002E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.51502E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-4.75043E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.56575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-4.34989E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.75128E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.87100E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.84666E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-5.37685E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-4.03872E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-2.84590E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-2.45426E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-2.53259E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86242E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51779E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64089E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48783E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-3.52441E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-3.03940E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-3.13640E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.30645E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.35649E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.27005E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 15
 IRC: SLS CLASS 70R LOADING B50: FORCE END A: FZ +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METER).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.948997522E+01
 Y = 0.000000000E+00
 Z = 0.747881814E+02

STAAD SPACE

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***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 15)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 299152.65 MY= 0.00 MZ= -37959.89

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 15)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -299152.65 MY= 0.00 MZ= 37959.89

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 15)

MAXIMUMS AT NODE

X = 2.57933E-01 37
 Y = -3.83507E+00 136
 Z = 1.47335E-02 4
 RX= -3.56738E-03 24
 RY= -1.41815E-05 40
 RZ= -2.60182E-03 134

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 22.47	0.00 -154.51	0.00 -155.91	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -33.05	0.00 -821.74	0.00 -209.84	0.00 0.00	0.00 0.00	0.00 0.00 111000
27	0.00 23.83	0.00 -116.22	0.00 125.99	0.00 0.00	0.00 0.00	0.00 0.00 111000
28	0.00 -38.49	0.00 -992.14	0.00 162.59	0.00 0.00	0.00 0.00	0.00 0.00 111000
29	0.00 11.12	0.00 67.37	0.00 -19.55	0.00 0.00	0.00 0.00	0.00 0.00 111000
30	0.00 14.44	0.00 17.25	0.00 -30.13	0.00 0.00	0.00 0.00	0.00 0.00 111000
31	0.00 11.09	0.00 67.98	0.00 19.55	0.00 0.00	0.00 0.00	0.00 0.00 111000
32	0.00 14.30	0.00 16.58	0.00 30.09	0.00 0.00	0.00 0.00	0.00 0.00 111000
33	0.00 23.77	0.00 -124.22	0.00 -126.08	0.00 0.00	0.00 0.00	0.00 0.00 111000
34	0.00 -39.69	0.00 -1012.29	0.00 -162.63	0.00 0.00	0.00 0.00	0.00 0.00 111000

35	0.00	0.00	0.00	0.00	0.00	0.00	
	22.11	-148.42	155.95	0.00	0.00	0.00	111000

STAAD SPACE

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36	0.00	0.00	0.00	0.00	0.00	0.00
	-31.89	-799.63	209.96	0.00	0.00	0.00 111000

FOR LOADING - 16

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	-2.11459E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.00970E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.27194E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-1.84304E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-4.04368E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.84465E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.48721E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.45319E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.59851E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.53148E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.64627E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.86160E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.99835E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51624E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-3.75184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.63935E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48757E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-3.84312E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.31425E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.42002E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.51502E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-4.75043E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.56575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-4.34989E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.75128E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.87100E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.84666E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-5.37685E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-4.03872E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-2.84590E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-2.45426E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-2.53259E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86242E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51779E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64089E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48783E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-3.52441E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-3.03940E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-3.13640E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.30645E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.35649E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.27005E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 16

IRC: SLS CLASS 70R LOADING B50: FORCE END B: FZ +VE

STAAD SPACE

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CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.948997522E+01
 Y = 0.000000000E+00
 Z = 0.747881814E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 16)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 299152.65 MY= 0.00 MZ= -37959.89

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 16)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -299152.65 MY= 0.00 MZ= 37959.89

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 16)

MAXIMUMS AT NODE
 X = 2.57933E-01 37
 Y = -3.83507E+00 136
 Z = 1.47335E-02 4
 RX= -3.56738E-03 24
 RY= -1.41815E-05 40
 RZ= -2.60182E-03 134

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 22.47	0.00 -154.51	0.00 -155.91	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -33.05	0.00 -821.74	0.00 -209.84	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 23.83	0.00 -116.22	0.00 125.99	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -38.49	0.00 -992.14	0.00 162.59	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.12	0.00 67.37	0.00 -19.55	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 14.44	0.00 17.25	0.00 -30.13	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 11.09	0.00 67.98	0.00 19.55	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE

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32	0.00	0.00	0.00	0.00	0.00	0.00	
	14.30	16.58	30.09	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	23.77	-124.22	-126.08	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-39.69	-1012.29	-162.63	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	22.11	-148.42	155.95	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-31.89	-799.63	209.96	0.00	0.00	0.00	111000

FOR LOADING - 17

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	-1.88761E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.23189E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.05067E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.06813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-3.60964E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.84557E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.11290E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.45398E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.21225E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.53230E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.36223E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.86220E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.46184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51737E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-3.34913E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.64020E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48805E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-4.26800E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.68066E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.79813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.79307E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-5.27563E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.95997E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-3.93195E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.38775E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.49227E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.58014E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.85585E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-3.64744E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-2.84693E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-2.45290E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-2.52857E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86319E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51584E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64145E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-3.96543E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-3.41659E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-3.52200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.59268E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.89713E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.67949E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

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STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 17
 IRC: SLS CLASS 70R LOADING B40: FORCE END A: FZ -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.948960388E+01
 Y = 0.000000000E+00
 Z = 0.751427953E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 17)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 300571.10 MY= 0.00 MZ= -37958.41

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 17)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -300571.10 MY= 0.00 MZ= 37958.41

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 17)
 MAXIMUMS AT NODE
 X = 2.57157E-01 137
 Y = -3.83469E+00 56
 Z = -1.46562E-02 24
 RX= 3.56509E-03 4
 RY= 1.40644E-05 138
 RZ= -2.60132E-03 53

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 22.17	0.00 -149.40	0.00 -155.94	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -32.08	0.00 -803.25	0.00 -209.93	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 23.78	0.00 -122.91	0.00 126.06	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -39.50	0.00 -1009.01	0.00 162.61	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.10	0.00 67.87	0.00 -19.55	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE -- PAGE NO. 411

30	0.00	0.00	0.00	0.00	0.00	0.00	
	14.32	16.69	-30.09	0.00	0.00	0.00	111000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	11.11	67.48	19.55	0.00	0.00	0.00	111000
32	0.00	0.00	0.00	0.00	0.00	0.00	
	14.41	17.11	30.12	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	23.82	-117.71	-125.98	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-38.68	-995.22	-162.56	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	22.41	-153.65	155.90	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-32.86	-818.01	209.81	0.00	0.00	0.00	111000

FOR LOADING - 18

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	-1.88761E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.23189E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.05067E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.06813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-3.60964E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.84557E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.11290E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.45398E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.21225E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.53230E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.36223E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.86220E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.46184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51737E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-3.34913E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.64020E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48805E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-4.26800E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.68066E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.79813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.79307E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-5.27563E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.95997E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-3.93195E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.38775E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.49227E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.58014E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.85585E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-3.64744E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-2.84693E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-2.45290E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-2.52857E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86319E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51584E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64145E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-3.96543E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-3.41659E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

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APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
141	0.00000E+00	-3.52200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.59268E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.89713E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.67949E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 18
 IRC: SLS CLASS 70R LOADING B40: FORCE END B: FZ -VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.948960388E+01
 Y = 0.000000000E+00
 Z = 0.751427953E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 18)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 300571.10 MY= 0.00 MZ= -37958.41

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 18)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -300571.10 MY= 0.00 MZ= 37958.41

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 18)

	MAXIMUMS	AT NODE
X =	2.57157E-01	137
Y =	-3.83469E+00	56
Z =	-1.46562E-02	24
RX=	3.56509E-03	4
RY=	1.40644E-05	138
RZ=	-2.60132E-03	53

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ
						SUPPORT=1
25	0.00 22.17	0.00 -149.40	0.00 -155.94	0.00 0.00	0.00 0.00	0.00 0.00 111000
26	0.00 -32.08	0.00 -803.25	0.00 -209.93	0.00 0.00	0.00 0.00	0.00 0.00 111000

STAAD SPACE

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27	0.00	0.00	0.00	0.00	0.00	0.00	
	23.78	-122.91	126.06	0.00	0.00	0.00	111000
28	0.00	0.00	0.00	0.00	0.00	0.00	
	-39.50	-1009.01	162.61	0.00	0.00	0.00	111000
29	0.00	0.00	0.00	0.00	0.00	0.00	
	11.10	67.87	-19.55	0.00	0.00	0.00	111000
30	0.00	0.00	0.00	0.00	0.00	0.00	
	14.32	16.69	-30.09	0.00	0.00	0.00	111000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	11.11	67.48	19.55	0.00	0.00	0.00	111000
32	0.00	0.00	0.00	0.00	0.00	0.00	
	14.41	17.11	30.12	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	23.82	-117.71	-125.98	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-38.68	-995.22	-162.56	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	22.41	-153.65	155.90	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-32.86	-818.01	209.81	0.00	0.00	0.00	111000

FOR LOADING - 19

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-1.48749E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-1.16053E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.62296E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-4.95433E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-3.71880E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-2.09596E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-1.86150E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-3.51606E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-2.63921E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-2.53928E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
74	0.00000E+00	-4.79626E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-3.60015E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0.00000E+00	-2.02909E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-9.22844E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-1.74309E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-1.30969E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-7.36134E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-1.45488E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-2.74802E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-2.06475E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

-- PAGE NO. 414

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 19
 IRC: SLS CLASS 70R LOADING N28: REACT FX +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.931816533E+01
 Y = 0.000000000E+00
 Z = 0.678571910E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 19)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 203571.53 MY= 0.00 MZ= -27954.49

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 19)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 3000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -203571.53 MY= 0.00 MZ= 27954.49

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 19)
 MAXIMUMS AT NODE
 X = 4.94906E-01 23
 Y = -1.98519E+00 136
 Z = -6.50862E-02 24
 RX= 1.08215E-03 20
 RY= 5.54691E-05 142
 RZ= -2.77782E-03 24

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 4.12	0.00 -96.86	0.00 -27.39	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -18.07	0.00 -12.58	0.00 -25.96	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 95.67	0.00 -924.07	0.00 4.95	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -97.99	0.00 -875.92	0.00 2.14	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 14.77	0.00 -15.26	0.00 14.32	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE -- PAGE NO. 415

30	0.00	0.00	0.00	0.00	0.00	0.00	
	-9.06	-90.01	11.91	0.00	0.00	0.00	111000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	11.31	28.86	-0.78	0.00	0.00	0.00	111000
32	0.00	0.00	0.00	0.00	0.00	0.00	
	13.38	8.79	4.69	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	19.41	228.60	-21.16	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-7.81	-455.14	-51.45	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	37.94	369.64	24.50	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-63.67	-1166.03	64.22	0.00	0.00	0.00	111000

FOR LOADING - 20

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
5	0.00000E+00	-1.71059E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.12330E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.76676E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.62942E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.52689E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-6.17928E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-5.98817E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-6.94373E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	-2.54930E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.48048E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-9.44029E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.44083E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	-2.36534E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.74279E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	-2.92200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.96068E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	-3.98932E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.08205E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-1.74575E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
72	0.00000E+00	-1.69175E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-1.96172E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-6.85645E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-2.35120E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.55414E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.53861E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-5.14205E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
132	0.00000E+00	-1.76330E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.91550E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.40377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-6.18443E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
142	0.00000E+00	-2.12075E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.30380E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.09377E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 20

IRC: SLS CLASS 70R LOADING N27: REACT FY +VE

STAAD SPACE

-- PAGE NO. 416

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.687386589E+01
 Y = 0.000000000E+00
 Z = 0.668343524E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 20)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 200448.29 MY= 0.00 MZ= -20615.97

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 20)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 2999.18
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -200448.29 MY= 0.00 MZ= 20615.97

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 20)

MAXIMUMS AT NODE
 X = -3.17398E-01 54
 Y = -1.08713E+00 39
 Z = -4.71935E-02 24
 RX= -1.01984E-03 145
 RY= 3.48142E-05 138
 RZ= 2.29894E-03 57

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 -7.54	0.00 -206.11	0.00 -43.10	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -19.75	0.00 56.72	0.00 -30.20	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 64.90	0.00 -1460.40	0.00 17.20	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -20.85	0.00 -332.77	0.00 14.65	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 0.97	0.00 -135.73	0.00 11.54	0.00 0.00	0.00 0.00	0.00 0.00	111000
30	0.00 -9.94	0.00 67.73	0.00 2.51	0.00 0.00	0.00 0.00	0.00 0.00	111000
31	0.00 -3.11	0.00 -4.68	0.00 2.05	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE

-- PAGE NO. 417

32	0.00	0.00	0.00	0.00	0.00	0.00	
	-1.25	40.20	6.18	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	0.63	-10.21	-35.93	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-5.43	-251.50	-50.39	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	1.51	-58.04	44.10	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.13	-704.39	61.39	0.00	0.00	0.00	111000

FOR LOADING - 21

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	-1.88761E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-2.23189E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-2.05067E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-2.06813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-3.60964E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.84557E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.11290E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.45398E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-3.21225E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.53230E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.36223E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.86220E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.46184E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.51737E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-3.34913E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.64020E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.48805E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-4.26800E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.68066E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.79813E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-2.79307E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	-5.27563E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-3.95997E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-3.93195E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.38775E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.49227E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.58014E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-4.85585E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
125	0.00000E+00	-3.64744E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
129	0.00000E+00	-2.84693E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
130	0.00000E+00	-2.45290E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
131	0.00000E+00	-2.52857E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
133	0.00000E+00	-1.86319E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.51584E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
135	0.00000E+00	-2.64145E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
136	0.00000E+00	-1.48479E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
139	0.00000E+00	-3.96543E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
140	0.00000E+00	-3.41659E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
141	0.00000E+00	-3.52200E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
143	0.00000E+00	-2.59268E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
144	0.00000E+00	-4.89713E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
145	0.00000E+00	-3.67949E+01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STAAD SPACE

-- PAGE NO. 418

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 21
 IRC: SLS CLASS 70R LOADING N26: REACT FZ +VE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.948960388E+01
 Y = 0.000000000E+00
 Z = 0.751427953E+02

***TOTAL APPLIED LOAD (KN METE) SUMMARY (LOADING 21)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 300571.10 MY= 0.00 MZ= -37958.41

***TOTAL REACTION LOAD(KN METE) SUMMARY (LOADING 21)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 4000.00
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -300571.10 MY= 0.00 MZ= 37958.41

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 21)
 MAXIMUMS AT NODE
 X = 2.57157E-01 137
 Y = -3.83469E+00 56
 Z = -1.46562E-02 24
 RX= 3.56509E-03 4
 RY= 1.40644E-05 138
 RZ= -2.60132E-03 53

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (KN METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
25	0.00 22.17	0.00 -149.40	0.00 -155.94	0.00 0.00	0.00 0.00	0.00 0.00	111000
26	0.00 -32.08	0.00 -803.25	0.00 -209.93	0.00 0.00	0.00 0.00	0.00 0.00	111000
27	0.00 23.78	0.00 -122.91	0.00 126.06	0.00 0.00	0.00 0.00	0.00 0.00	111000
28	0.00 -39.50	0.00 -1009.01	0.00 162.61	0.00 0.00	0.00 0.00	0.00 0.00	111000
29	0.00 11.10	0.00 67.87	0.00 -19.55	0.00 0.00	0.00 0.00	0.00 0.00	111000

STAAD SPACE

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30	0.00	0.00	0.00	0.00	0.00	0.00	
	14.32	16.69	-30.09	0.00	0.00	0.00	111000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	11.11	67.48	19.55	0.00	0.00	0.00	111000
32	0.00	0.00	0.00	0.00	0.00	0.00	
	14.41	17.11	30.12	0.00	0.00	0.00	111000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	23.82	-117.71	-125.98	0.00	0.00	0.00	111000
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-38.68	-995.22	-162.56	0.00	0.00	0.00	111000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	22.41	-153.65	155.90	0.00	0.00	0.00	111000
36	0.00	0.00	0.00	0.00	0.00	0.00	
	-32.86	-818.01	209.81	0.00	0.00	0.00	111000

***** END OF DATA FROM INTERNAL STORAGE *****

2027. FINISH

***** END OF THE STAAD.Pro RUN *****

**** DATE= NOV 9,2020 TIME= 0:52:24 ****

* For questions on STAAD.Pro, please contact *
* Bentley Systems or Partner offices *
* *
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