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*****************************************************
*                                                   *
*           STAAD.Pro V8i SELECTseries1             *
*           Version  20.07.06.35                    *
*           Proprietary Program of                  *
*           Bentley Systems, Inc.                   *
*           Date=    MAR 26, 2017                   *
*           Time=    13:48: 4                       *
*                                                   *
*      USER ID:                                     *
*****************************************************
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     1. STAAD SPACE
INPUT FILE: CEAS Student Center Expansion TJS 3-13-17.STD
     2. START JOB INFORMATION
     3. ENGINEER DATE 31-JAN-17
     4. JOB NAME CEAS STUDENT CENTER EXPANSION
     5. JOB CLIENT WESTERN MICHIGAN UNIVERSITY
     6. END JOB INFORMATION
     7. INPUT WIDTH 79
     8. UNIT FEET POUND
     9. JOINT COORDINATES
    10. 1 0 0 0; 2 0 20 0; 3 30 0 0; 4 30 20 0; 5 60 0 0; 6 60 20 0; 7 90 0 0
    11. 8 90 20 0; 9 90 40 0; 10 60 40 0; 11 30 40 0; 12 0 40 0; 13 0 0 150
    12. 14 0 20 150; 15 30 0 150; 16 30 20 150; 17 60 0 150; 18 60 20 150; 19 90 0 150
    13. 20 90 20 150; 21 90 40 150; 22 60 40 150; 23 30 40 150; 24 0 40 150
    14. 25 90 0 30; 26 90 20 30; 27 90 40 30; 28 90 0 60; 29 90 20 60; 30 90 40 60
    15. 31 90 0 90; 32 90 20 90; 33 90 40 90; 34 90 0 120; 35 90 20 120; 36 90 40 120
    16. 37 0 0 30; 38 0 20 30; 39 0 40 30; 40 0 0 60; 41 0 20 60; 42 0 40 60
    17. 43 0 0 90; 44 0 20 90; 45 0 40 90; 46 0 0 120; 47 0 20 120; 48 0 40 120
    18. 49 90 50 0; 50 30 43.3333 0; 51 60 46.6667 0; 52 30 43.3333 150
    19. 53 60 46.6667 150; 54 90 50 150; 55 90 50 120; 56 90 50 90; 57 90 50 60
    20. 58 90 50 30; 59 30 20 30; 60 60 20 30; 61 30 0 30; 62 60 0 30; 65 60 20 60
    21. 66 60 0 60; 67 60 20 90; 68 60 0 90; 69 60 40 60; 70 60 40 90; 71 60 20 120
    22. 72 60 0 120; 73 60 40 120; 74 30 40 30; 75 60 40 30; 76 30 43.3333 30
    23. 77 60 46.6667 30; 79 60 46.6667 60; 81 60 46.6667 90; 83 60 46.6667 120
    24. MEMBER INCIDENCES
    25. 1 1 2; 2 37 38; 3 40 38; 4 40 41; 5 43 44; 6 47 43; 7 46 47; 8 13 14; 9 2 38
    26. 10 38 41; 11 41 44; 12 44 47; 13 47 14; 14 2 12; 15 38 39; 16 38 42; 17 41 42
    27. 18 44 45; 19 45 47; 20 47 48; 21 14 24; 22 12 39; 23 39 42; 24 42 45; 25 45 48
    28. 26 48 24; 27 2 4; 28 14 16; 29 12 11; 30 24 23; 31 3 4; 32 15 16; 33 11 4
    29. 34 23 16; 35 3 6; 36 15 18; 37 4 6; 38 16 18; 39 6 11; 40 18 23; 41 10 11
    30. 42 22 23; 43 5 6; 44 17 18; 45 6 10; 46 18 22; 47 6 8; 48 18 20; 49 10 9
    31. 50 22 21; 51 7 8; 52 25 26; 53 28 26; 54 28 29; 55 31 32; 56 35 31; 57 34 35
    32. 58 19 20; 59 8 26; 60 26 29; 61 29 32; 62 32 35; 63 35 20; 64 8 9; 65 26 27
    33. 66 26 30; 67 29 30; 68 32 33; 69 33 35; 70 35 36; 71 20 21; 72 9 27; 73 27 30
    34. 74 30 33; 75 33 36; 76 36 21; 77 12 50; 78 49 9; 79 50 51; 81 51 10; 82 50 11
    35. 83 24 52; 84 52 53; 86 53 22; 87 52 23; 88 54 21; 94 27 58; 95 30 57; 96 33 56
    36. 97 36 55; 98 51 49; 99 49 58; 100 58 57; 101 57 56; 102 56 55; 103 55 54
    37. 104 54 53; 105 38 59; 106 59 60; 107 60 6; 108 59 4; 109 60 62; 110 59 61
    38. 111 4 61; 112 60 5; 114 68 67; 115 66 65; 116 67 65; 117 67 70; 118 65 69
    39. 119 72 71; 120 71 73; 121 71 67; 122 71 18; 123 22 73; 124 73 70; 125 69 70
    40. 126 30 69; 127 33 70; 128 36 73; 129 67 32; 130 29 65; 131 35 71; 132 31 67
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41. 133 65 28; 134 39 74; 135 74 75; 136 75 60; 137 74 59; 138 74 11; 139 75 10
42. 140 39 76; 141 76 77; 142 77 75; 143 76 74; 144 77 58; 145 42 79; 147 79 69
43. 148 79 57; 149 45 81; 151 81 70; 152 81 56; 153 48 83; 155 83 73; 156 83 55
44. ELEMENT INCIDENCES SHELL
45. 113 60 6 2 38; 161 49 12 24 54
46. START GROUP DEFINITION
47. MEMBER
48. _VERTICAL 1 2 4 5 7 8 14 15 17 18 20 21 31 TO 34 43 TO 46 51 52 54 55 57 58 -
49. 64 65 67 68 70 71 78 81 82 86 TO 88 94 TO 97 142 143 147 151 155
50. _HORIZONTAL 9 TO 13 22 TO 30 37 38 41 42 47 TO 50 59 TO 63 72 TO 76 99 TO 103
51. _OTHERBEAMS 3 6 16 19 35 36 39 40 53 56 66 69 77 79 83 84 98 104 140 141 144 -
52. 148 152 156
53. END GROUP DEFINITION
54. ELEMENT PROPERTY
55. 113 THICKNESS 1
56. 161 THICKNESS 0.25
57. DEFINE MATERIAL START
58. ISOTROPIC STEEL
59. E 4.176E+009
60. POISSON 0.3
61. DENSITY 489.024
62. ALPHA 6E-006
63. DAMP 0.03
64. ISOTROPIC CONCRETE
65. E 4.536E+008
66. POISSON 0.17
67. DENSITY 150.336
68. ALPHA 5E-006
69. DAMP 0.05
70. ISOTROPIC ALUMINUM
71. E 1.44E+009
72. POISSON 0.33
73. DENSITY 169.344
74. ALPHA 1.3E-005
75. DAMP 0.03
76. END DEFINE MATERIAL
77. MEMBER PROPERTY AMERICAN
78. 9 TO 13 22 TO 26 29 30 41 42 49 50 72 TO 76 TABLE ST W16X100
79. 105 TO 108 123 TO 128 134 135 138 139 TABLE ST W12X50
80. 1 2 14 15 27 28 31 33 37 38 43 45 47 48 51 59 TO 64 78 81 82 99 TO 103 110 -
81. 116 121 122 129 TO 131 137 143 TABLE ST W14X90
82. 4 5 7 8 17 18 20 21 32 34 44 46 52 54 55 57 58 65 67 68 70 71 86 TO 88 94 -
83. 95 TO 97 109 114 115 117 TO 120 136 142 147 151 155 TABLE ST W24X104
84. 77 79 83 84 98 104 140 141 144 145 148 149 152 153 156 TABLE ST W14X99
85. 3 6 16 19 35 36 39 40 53 56 66 69 111 112 133 TABLE LD L806012 SP 0.04167
86. 132 TABLE LD L808018
87. CONSTANTS
88. MATERIAL STEEL MEMB 1 TO 79 81 TO 84 86 TO 88 94 TO 112 114 TO 145 -
89. 147 TO 149 151 TO 153 155 156
90. MATERIAL CONCRETE MEMB 113
91. MATERIAL ALUMINUM MEMB 161
92. SUPPORTS
93. 1 3 5 7 13 15 17 19 25 28 31 34 37 40 43 46 61 62 66 68 72 FIXED
94. DEFINE WIND LOAD
95. TYPE 1 WINDWARD
96. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
```

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 97. ASCE-7-2002:PARAMS 120.000 MPH 0 2 2 0 0.000 FT 0.000 FT 0.000 FT 1 -
 98. 2 40.000 FT 150.000 FT 150.000 FT 2.000 0.010 0 -
 99. 0 0 0 0 1.044 1.000 1.150 0.850 0 -
100. 1 1 1 0.843 0.800 -0.180
101. !> END GENERATED DATA BLOCK
102. INT 27.3957 27.3957 27.9263 28.4112 28.8584 29.2741 29.6628 30.0283 30.3734 -
103. 30.7005 31.0117 31.3086 31.5926 31.865 32.1266 32.1266 HEIG  0  15  16.9231 -
104. 18.8461  20.7692  22.6923  24.6154  26.5385  28.4615  30.3846  32.3077 -
105. 34.2308  36.1538  38.0769  40  40
106. TYPE 2 LEEWARD
107. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
108. ASCE-7-2002:PARAMS 120.000 MPH 0 2 2 0 0.000 FT 0.000 FT 0.000 FT 1 -
109. 2 50.000 FT 150.000 FT 150.000 FT 2.000 0.010 1 -
110. 0 0 0 0 1.094 1.000 1.150 0.850 0 -
111. 1 1 1 0.841 0.800 -0.180
112. !> END GENERATED DATA BLOCK
113. INT 33.6042 33.6042 33.6042 HEIG  0  50  50
114. TYPE 3 SIDE
115. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
116. ASCE-7-2002:PARAMS 120.000 MPH 0 2 2 0 0.000 FT 0.000 FT 0.000 FT 1 -
117. 2 50.000 FT 150.000 FT 150.000 FT 2.000 0.010 2 -
118. 0 0 0 0 1.094 1.000 1.150 0.850 0 -
119. 1 1 1 0.841 0.800 -0.180
120. !> END GENERATED DATA BLOCK
121. INT 33.6042 33.6042 33.6042 HEIG  0  50  50
122. <! STAAD PRO GENERATED DATA DO NOT MODIFY !!!
123. ASCE-7-2002:PARAMS 115.000 MPH 0 2 2 0 0.000 FT 0.000 FT 0.000 FT 1 -
124. 2 50.000 FT 150.000 FT 90.000 FT 2.000 0.010 0 -
125. 0 0 1 1 1.094 1.000 1.150 0.850 0 -
126. 1 1 1 0.855 0.800 -0.180
127. !> END GENERATED DATA BLOCK
128. LOAD 1 LOADTYPE DEAD  TITLE DEAD LOAD
129. SELFWEIGHT Y -1 LIST 1 TO 79 81 TO 84 86 TO 88 94 TO 145 147 TO 149 -
130. 151 TO 153 155 156 161
131. LOAD 2 LOADTYPE LIVE REDUCIBLE TITLE LIVE LOAD
132. ELEMENT LOAD
133. 113 PR GY -225
134. LOAD 3 LOADTYPE ROOF LIVE  TITLE ROOF LIVE
135. ELEMENT LOAD
136. 161 PR GY -20
137. LOAD 4 LOADTYPE SNOW  TITLE SNOW LOAD
138. ELEMENT LOAD
139. 161 PR GY -24.26
140. LOAD 5 LOADTYPE RAIN WATER/ICE  TITLE RAIN LOAD
141. ELEMENT LOAD
142. 161 PR GY -26
143. LOAD 6 LOADTYPE WIND  TITLE WIND LOAD (SOUTH)
144. WIND LOAD X 1 TYPE 1 YR 0 40
145. WIND LOAD -X 1 TYPE 2 YR 0 50
146. WIND LOAD Z 1 TYPE 3 YR 0 50
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147. WIND LOAD -Z 1 TYPE 3 YR 0 50
148. ELEMENT LOAD
149. 161 PR GY -10
150. LOAD 7 LOADTYPE WIND  TITLE WIND LOAD (NORTH)
151. WIND LOAD X -1 TYPE 1
152. WIND LOAD -X -1 TYPE 2
153. WIND LOAD Z -1 TYPE 3
154. WIND LOAD -Z -1 TYPE 3
155. ELEMENT LOAD
156. 161 PR GY -10
157. LOAD 8 LOADTYPE WIND  TITLE WIND LOAD (EAST)
158. WIND LOAD -Z -1 TYPE 2
159. WIND LOAD X 1 TYPE 3
160. WIND LOAD -X 1 TYPE 3
161. WIND LOAD Z -1 TYPE 1
162. ELEMENT LOAD
163. 161 PR GY -10
164. LOAD 9 LOADTYPE WIND  TITLE WIND LOAD (WEST)
165. WIND LOAD Z 1 TYPE 1
166. WIND LOAD -Z 1 TYPE 2
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167. WIND LOAD X 1 TYPE 3
168. WIND LOAD -X 1 TYPE 3
169. ELEMENT LOAD
170. 161 PR GY -10
171. LOAD COMB 10 LFRD 1
172. 1 1.4
173. LOAD COMB 11 LFRD 2
174. 1 1.2 2 1.6 5 0.5
175. LOAD COMB 12 LFRD 3 S
176. 1 1.2 5 1.6 2 0.5 6 0.5
177. LOAD COMB 13 LFRD 3 N
178. 1 1.2 5 1.6 2 0.5 7 0.5
179. LOAD COMB 14 LFRD 3 E
180. 1 1.2 5 1.6 2 0.5 8 0.5
181. LOAD COMB 15 LFRD 3 W
182. 1 1.2 5 1.6 2 0.5 9 0.5
183. LOAD COMB 16 LFRD 4 S
184. 1 1.2 2 0.5 5 0.5 6 1.0
185. LOAD COMB 17 LFRD 4 N
186. 1 1.2 2 0.5 5 0.5 7 1.0
187. LOAD COMB 18 LFRD 4 E
188. 1 1.2 2 0.5 5 0.5 8 1.0
189. LOAD COMB 19 LFRD 4 W
190. 1 1.2 2 0.5 5 0.5 9 1.0
191. LOAD COMB 20 LFRD 5
192. 1 1.2 2 0.5 4 0.2
193. LOAD COMB 21 LFRD 6 S
194. 1 0.9 6 1.0
195. LOAD COMB 22 LFRD 6 N
196. 1 0.9 7 1.0
197. LOAD COMB 23 LFRD 6 E
198. 1 0.9 8 1.0
199. LOAD COMB 24 LFRD 6 W
200. 1 0.9 9 1.0
201. LOAD COMB 25 LFRD 7
202. 1 0.9
203. PERFORM ANALYSIS PRINT ALL
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P R O B L E M S T A T I S T I C S

NUMBER OF JOINTS/MEMBER+ELEMENTS/SUPPORTS = 78/ 147/ 21

SOLVER USED IS THE OUT-OF-CORE BASIC SOLVER

ORIGINAL/FINAL BAND-WIDTH= 63/ 17/ 96 DOF
TOTAL PRIMARY LOAD CASES = 9, TOTAL DEGREES OF FREEDOM = 342
SIZE OF STIFFNESS MATRIX = 33 DOUBLE KILO-WORDS
REQRD/AVAIL. DISK SPACE = 12.7/ 102094.8 MB

LOADING 1 LOADTYPE DEAD TITLE DEAD LOAD

SELFWEIGHT Y -1.000

ACTUAL WEIGHT OF THE STRUCTURE = 1178273.375 POUN

LOADING 2 LOADTYPE LIVE REDUCIBLE TITLE LIVE LOAD

ELEMENT LOAD (UNITS ARE POUN FEET)

ELEMENT	PRESSURE
113	-225.000000

LOADING 3 LOADTYPE ROOF LIVE TITLE ROOF LIVE

ELEMENT LOAD (UNITS ARE POUN FEET)

ELEMENT	PRESSURE
161	-20.000000

LOADING 4 LOADTYPE SNOW TITLE SNOW LOAD

ELEMENT LOAD (UNITS ARE POUN FEET)

ELEMENT	PRESSURE
161	-24.260000

LOADING 5 LOADTYPE RAIN WATER/ICE TITLE RAIN LOAD

ELEMENT LOAD (UNITS ARE POUN FEET)

ELEMENT	PRESSURE
161	-26.000000

LOADING 6 LOADTYPE WIND TITLE WIND LOAD (SOUTH)

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	4109.36	0.00	0.00	0.00	0.00	0.00
2	8663.19	0.00	0.00	0.00	0.00	0.00
12	4732.06	0.00	0.00	0.00	0.00	0.00
13	4109.36	0.00	0.00	0.00	0.00	0.00
14	8663.19	0.00	0.00	0.00	0.00	0.00
24	4732.06	0.00	0.00	0.00	0.00	0.00
37	6848.93	0.00	0.00	0.00	0.00	0.00
38	17596.72	0.00	0.00	0.00	0.00	0.00
39	7373.15	0.00	0.00	0.00	0.00	0.00
40	9588.50	0.00	0.00	0.00	0.00	0.00
41	14004.58	0.00	0.00	0.00	0.00	0.00
42	8930.84	0.00	0.00	0.00	0.00	0.00
43	9588.50	0.00	0.00	0.00	0.00	0.00
44	14434.21	0.00	0.00	0.00	0.00	0.00
45	8930.84	0.00	0.00	0.00	0.00	0.00
46	6848.93	0.00	0.00	0.00	0.00	0.00
47	17167.09	0.00	0.00	0.00	0.00	0.00
48	7373.15	0.00	0.00	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
7	5040.64	0.00	0.00	0.00	0.00	0.00
8	10081.28	0.00	0.00	0.00	0.00	0.00
9	7560.96	0.00	0.00	0.00	0.00	0.00
19	5040.64	0.00	0.00	0.00	0.00	0.00
20	10081.28	0.00	0.00	0.00	0.00	0.00
21	7560.96	0.00	0.00	0.00	0.00	0.00
25	8401.07	0.00	0.00	0.00	0.00	0.00
26	23522.99	0.00	0.00	0.00	0.00	0.00
27	13441.71	0.00	0.00	0.00	0.00	0.00
28	11761.49	0.00	0.00	0.00	0.00	0.00
29	16802.13	0.00	0.00	0.00	0.00	0.00
30	16802.13	0.00	0.00	0.00	0.00	0.00
31	11761.49	0.00	0.00	0.00	0.00	0.00
32	16802.13	0.00	0.00	0.00	0.00	0.00
33	16802.13	0.00	0.00	0.00	0.00	0.00
34	8401.07	0.00	0.00	0.00	0.00	0.00
35	23522.99	0.00	0.00	0.00	0.00	0.00
36	13441.71	0.00	0.00	0.00	0.00	0.00
49	2520.32	0.00	0.00	0.00	0.00	0.00
54	2520.32	0.00	0.00	0.00	0.00	0.00
55	5040.64	0.00	0.00	0.00	0.00	0.00
56	5040.64	0.00	0.00	0.00	0.00	0.00

57	5040.64	0.00	0.00	0.00	0.00	0.00
58	5040.64	0.00	0.00	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00	0.00	5040.64	0.00	0.00	0.00
2	0.00	0.00	10081.28	0.00	0.00	0.00
3	0.00	0.00	11761.49	0.00	0.00	0.00
4	0.00	0.00	16802.13	0.00	0.00	0.00
5	0.00	0.00	8401.07	0.00	0.00	0.00
6	0.00	0.00	23522.99	0.00	0.00	0.00
7	0.00	0.00	5040.64	0.00	0.00	0.00
8	0.00	0.00	10081.28	0.00	0.00	0.00
9	0.00	0.00	7280.93	0.00	0.00	0.00
10	0.00	0.00	11761.50	0.00	0.00	0.00
11	0.00	0.00	13441.70	0.00	0.00	0.00
12	0.00	0.00	5600.71	0.00	0.00	0.00
49	0.00	0.00	2240.29	0.00	0.00	0.00
50	0.00	0.00	1680.20	0.00	0.00	0.00
51	0.00	0.00	3360.44	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
13	0.00	0.00	5040.64	0.00	0.00	0.00
14	0.00	0.00	10081.28	0.00	0.00	0.00
15	0.00	0.00	11761.49	0.00	0.00	0.00
16	0.00	0.00	16802.13	0.00	0.00	0.00
17	0.00	0.00	8401.07	0.00	0.00	0.00
18	0.00	0.00	23522.99	0.00	0.00	0.00
19	0.00	0.00	5040.64	0.00	0.00	0.00
20	0.00	0.00	10081.28	0.00	0.00	0.00
21	0.00	0.00	7280.93	0.00	0.00	0.00
22	0.00	0.00	11761.50	0.00	0.00	0.00
23	0.00	0.00	13441.70	0.00	0.00	0.00
24	0.00	0.00	5600.71	0.00	0.00	0.00
52	0.00	0.00	1680.20	0.00	0.00	0.00
53	0.00	0.00	3360.44	0.00	0.00	0.00
54	0.00	0.00	2240.29	0.00	0.00	0.00

ELEMENT LOAD (UNITS ARE POUN FEET)

ELEMENT	PRESSURE
161	-10.000000

LOADING 7 LOADTYPE WIND TITLE WIND LOAD (NORTH)

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
7	-4109.36	0.00	0.00	0.00	0.00	0.00
8	-8663.19	0.00	0.00	0.00	0.00	0.00
9	-7141.55	0.00	0.00	0.00	0.00	0.00
19	-4109.36	0.00	0.00	0.00	0.00	0.00
20	-8663.19	0.00	0.00	0.00	0.00	0.00
21	-7141.55	0.00	0.00	0.00	0.00	0.00
25	-6848.93	0.00	0.00	0.00	0.00	0.00
26	-17596.72	0.00	0.00	0.00	0.00	0.00
27	-12192.13	0.00	0.00	0.00	0.00	0.00
28	-9588.50	0.00	0.00	0.00	0.00	0.00
29	-14004.58	0.00	0.00	0.00	0.00	0.00
30	-13749.82	0.00	0.00	0.00	0.00	0.00
31	-9588.50	0.00	0.00	0.00	0.00	0.00
32	-14434.21	0.00	0.00	0.00	0.00	0.00
33	-13749.82	0.00	0.00	0.00	0.00	0.00
34	-6848.93	0.00	0.00	0.00	0.00	0.00
35	-17167.09	0.00	0.00	0.00	0.00	0.00
36	-12192.13	0.00	0.00	0.00	0.00	0.00
49	-2409.49	0.00	0.00	0.00	0.00	0.00
54	-2409.49	0.00	0.00	0.00	0.00	0.00
55	-4818.98	0.00	0.00	0.00	0.00	0.00
56	-4818.98	0.00	0.00	0.00	0.00	0.00
57	-4818.98	0.00	0.00	0.00	0.00	0.00
58	-4818.98	0.00	0.00	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	-5040.64	0.00	0.00	0.00	0.00	0.00
2	-10081.28	0.00	0.00	0.00	0.00	0.00
12	-6720.85	0.00	0.00	0.00	0.00	0.00
13	-5040.64	0.00	0.00	0.00	0.00	0.00
14	-10081.28	0.00	0.00	0.00	0.00	0.00
24	-6720.85	0.00	0.00	0.00	0.00	0.00
37	-8401.07	0.00	0.00	0.00	0.00	0.00
38	-23522.99	0.00	0.00	0.00	0.00	0.00
39	-11761.49	0.00	0.00	0.00	0.00	0.00
40	-11761.49	0.00	0.00	0.00	0.00	0.00
41	-16802.13	0.00	0.00	0.00	0.00	0.00
42	-15962.04	0.00	0.00	0.00	0.00	0.00
43	-11761.49	0.00	0.00	0.00	0.00	0.00
44	-16802.13	0.00	0.00	0.00	0.00	0.00
45	-15962.04	0.00	0.00	0.00	0.00	0.00
46	-8401.07	0.00	0.00	0.00	0.00	0.00
47	-23522.99	0.00	0.00	0.00	0.00	0.00
48	-12601.61	0.00	0.00	0.00	0.00	0.00
49	-1680.21	0.00	0.00	0.00	0.00	0.00
50	-840.11	0.00	0.00	0.00	0.00	0.00

51	-840.11	0.00	0.00	0.00	0.00	0.00
52	-840.11	0.00	0.00	0.00	0.00	0.00
53	-840.11	0.00	0.00	0.00	0.00	0.00
54	-1680.21	0.00	0.00	0.00	0.00	0.00
55	-3360.42	0.00	0.00	0.00	0.00	0.00
56	-3360.42	0.00	0.00	0.00	0.00	0.00
57	-3360.42	0.00	0.00	0.00	0.00	0.00
58	-3360.42	0.00	0.00	0.00	0.00	0.00
76	-1680.22	0.00	0.00	0.00	0.00	0.00
77	-1680.22	0.00	0.00	0.00	0.00	0.00
79	-2520.32	0.00	0.00	0.00	0.00	0.00
81	-2520.32	0.00	0.00	0.00	0.00	0.00
83	-2520.32	0.00	0.00	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
13	0.00	0.00	-5040.64	0.00	0.00	0.00
14	0.00	0.00	-10081.28	0.00	0.00	0.00
15	0.00	0.00	-11761.49	0.00	0.00	0.00
16	0.00	0.00	-16802.13	0.00	0.00	0.00
17	0.00	0.00	-8401.07	0.00	0.00	0.00
18	0.00	0.00	-23522.99	0.00	0.00	0.00
19	0.00	0.00	-5040.64	0.00	0.00	0.00
20	0.00	0.00	-10081.28	0.00	0.00	0.00
21	0.00	0.00	-7280.93	0.00	0.00	0.00
22	0.00	0.00	-11761.50	0.00	0.00	0.00
23	0.00	0.00	-13441.70	0.00	0.00	0.00
24	0.00	0.00	-5600.71	0.00	0.00	0.00
52	0.00	0.00	-1680.20	0.00	0.00	0.00
53	0.00	0.00	-3360.44	0.00	0.00	0.00
54	0.00	0.00	-2240.29	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00	0.00	-5040.64	0.00	0.00	0.00
2	0.00	0.00	-10081.28	0.00	0.00	0.00
3	0.00	0.00	-11761.49	0.00	0.00	0.00
4	0.00	0.00	-16802.13	0.00	0.00	0.00
5	0.00	0.00	-8401.07	0.00	0.00	0.00
6	0.00	0.00	-23522.99	0.00	0.00	0.00
7	0.00	0.00	-5040.64	0.00	0.00	0.00
8	0.00	0.00	-10081.28	0.00	0.00	0.00
9	0.00	0.00	-7280.93	0.00	0.00	0.00
10	0.00	0.00	-11761.50	0.00	0.00	0.00
11	0.00	0.00	-13441.70	0.00	0.00	0.00
12	0.00	0.00	-5600.71	0.00	0.00	0.00
49	0.00	0.00	-2240.29	0.00	0.00	0.00
50	0.00	0.00	-1680.20	0.00	0.00	0.00
51	0.00	0.00	-3360.44	0.00	0.00	0.00

ELEMENT LOAD (UNITS ARE POUN FEET)

ELEMENT	PRESSURE
161	-10.000000

LOADING 8 LOADTYPE WIND TITLE WIND LOAD (EAST)

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00	0.00	-5040.64	0.00	0.00	0.00
2	0.00	0.00	-10081.28	0.00	0.00	0.00
3	0.00	0.00	-11761.49	0.00	0.00	0.00
4	0.00	0.00	-16802.13	0.00	0.00	0.00
5	0.00	0.00	-8401.07	0.00	0.00	0.00
6	0.00	0.00	-23522.99	0.00	0.00	0.00
7	0.00	0.00	-5040.64	0.00	0.00	0.00
8	0.00	0.00	-10081.28	0.00	0.00	0.00
9	0.00	0.00	-7280.93	0.00	0.00	0.00
10	0.00	0.00	-11761.50	0.00	0.00	0.00
11	0.00	0.00	-13441.70	0.00	0.00	0.00
12	0.00	0.00	-5600.71	0.00	0.00	0.00
49	0.00	0.00	-2240.29	0.00	0.00	0.00
50	0.00	0.00	-1680.20	0.00	0.00	0.00
51	0.00	0.00	-3360.44	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	5040.64	0.00	0.00	0.00	0.00	0.00
2	10081.28	0.00	0.00	0.00	0.00	0.00
12	6720.85	0.00	0.00	0.00	0.00	0.00
13	5040.64	0.00	0.00	0.00	0.00	0.00
14	10081.28	0.00	0.00	0.00	0.00	0.00
24	6720.85	0.00	0.00	0.00	0.00	0.00
37	8401.07	0.00	0.00	0.00	0.00	0.00
38	23522.99	0.00	0.00	0.00	0.00	0.00
39	11761.49	0.00	0.00	0.00	0.00	0.00
40	11761.49	0.00	0.00	0.00	0.00	0.00
41	16802.13	0.00	0.00	0.00	0.00	0.00
42	15962.04	0.00	0.00	0.00	0.00	0.00
43	11761.49	0.00	0.00	0.00	0.00	0.00
44	16802.13	0.00	0.00	0.00	0.00	0.00
45	15962.04	0.00	0.00	0.00	0.00	0.00
46	8401.07	0.00	0.00	0.00	0.00	0.00
47	23522.99	0.00	0.00	0.00	0.00	0.00

48	12601.61	0.00	0.00	0.00	0.00	0.00
49	1680.21	0.00	0.00	0.00	0.00	0.00
50	840.11	0.00	0.00	0.00	0.00	0.00
51	840.11	0.00	0.00	0.00	0.00	0.00
52	840.11	0.00	0.00	0.00	0.00	0.00
53	840.11	0.00	0.00	0.00	0.00	0.00
54	1680.21	0.00	0.00	0.00	0.00	0.00
55	3360.42	0.00	0.00	0.00	0.00	0.00
56	3360.42	0.00	0.00	0.00	0.00	0.00
57	3360.42	0.00	0.00	0.00	0.00	0.00
58	3360.42	0.00	0.00	0.00	0.00	0.00
76	1680.22	0.00	0.00	0.00	0.00	0.00
77	1680.22	0.00	0.00	0.00	0.00	0.00
79	2520.32	0.00	0.00	0.00	0.00	0.00
81	2520.32	0.00	0.00	0.00	0.00	0.00
83	2520.32	0.00	0.00	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
7	5040.64	0.00	0.00	0.00	0.00	0.00
8	10081.28	0.00	0.00	0.00	0.00	0.00
9	7560.96	0.00	0.00	0.00	0.00	0.00
19	5040.64	0.00	0.00	0.00	0.00	0.00
20	10081.28	0.00	0.00	0.00	0.00	0.00
21	7560.96	0.00	0.00	0.00	0.00	0.00
25	8401.07	0.00	0.00	0.00	0.00	0.00
26	23522.99	0.00	0.00	0.00	0.00	0.00
27	13441.71	0.00	0.00	0.00	0.00	0.00
28	11761.49	0.00	0.00	0.00	0.00	0.00
29	16802.13	0.00	0.00	0.00	0.00	0.00
30	16802.13	0.00	0.00	0.00	0.00	0.00
31	11761.49	0.00	0.00	0.00	0.00	0.00
32	16802.13	0.00	0.00	0.00	0.00	0.00
33	16802.13	0.00	0.00	0.00	0.00	0.00
34	8401.07	0.00	0.00	0.00	0.00	0.00
35	23522.99	0.00	0.00	0.00	0.00	0.00
36	13441.71	0.00	0.00	0.00	0.00	0.00
49	2520.32	0.00	0.00	0.00	0.00	0.00
54	2520.32	0.00	0.00	0.00	0.00	0.00
55	5040.64	0.00	0.00	0.00	0.00	0.00
56	5040.64	0.00	0.00	0.00	0.00	0.00
57	5040.64	0.00	0.00	0.00	0.00	0.00
58	5040.64	0.00	0.00	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
13	0.00	0.00	-4109.36	0.00	0.00	0.00
14	0.00	0.00	-8663.19	0.00	0.00	0.00
15	0.00	0.00	-9588.50	0.00	0.00	0.00
16	0.00	0.00	-14434.21	0.00	0.00	0.00

17	0.00	0.00	-6848.93	0.00	0.00	0.00
18	0.00	0.00	-17167.09	0.00	0.00	0.00
19	0.00	0.00	-4109.36	0.00	0.00	0.00
20	0.00	0.00	-8663.19	0.00	0.00	0.00
21	0.00	0.00	-6873.83	0.00	0.00	0.00
22	0.00	0.00	-11115.56	0.00	0.00	0.00
23	0.00	0.00	-10007.42	0.00	0.00	0.00
24	0.00	0.00	-5267.49	0.00	0.00	0.00
52	0.00	0.00	-1606.32	0.00	0.00	0.00
53	0.00	0.00	-3212.66	0.00	0.00	0.00
54	0.00	0.00	-2141.77	0.00	0.00	0.00

ELEMENT LOAD (UNITS ARE POUN FEET)

ELEMENT	PRESSURE
161	-10.000000

LOADING 9 LOADTYPE WIND TITLE WIND LOAD (WEST)

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00	0.00	4109.36	0.00	0.00	0.00
2	0.00	0.00	8663.19	0.00	0.00	0.00
3	0.00	0.00	9588.50	0.00	0.00	0.00
4	0.00	0.00	14434.21	0.00	0.00	0.00
5	0.00	0.00	6848.93	0.00	0.00	0.00
6	0.00	0.00	17167.09	0.00	0.00	0.00
7	0.00	0.00	4109.36	0.00	0.00	0.00
8	0.00	0.00	8663.19	0.00	0.00	0.00
9	0.00	0.00	6873.83	0.00	0.00	0.00
10	0.00	0.00	11115.56	0.00	0.00	0.00
11	0.00	0.00	10007.42	0.00	0.00	0.00
12	0.00	0.00	5267.49	0.00	0.00	0.00
49	0.00	0.00	2141.77	0.00	0.00	0.00
50	0.00	0.00	1606.32	0.00	0.00	0.00
51	0.00	0.00	3212.66	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
13	0.00	0.00	5040.64	0.00	0.00	0.00
14	0.00	0.00	10081.28	0.00	0.00	0.00
15	0.00	0.00	11761.49	0.00	0.00	0.00
16	0.00	0.00	16802.13	0.00	0.00	0.00
17	0.00	0.00	8401.07	0.00	0.00	0.00
18	0.00	0.00	23522.99	0.00	0.00	0.00

19	0.00	0.00	5040.64	0.00	0.00	0.00
20	0.00	0.00	10081.28	0.00	0.00	0.00
21	0.00	0.00	7280.93	0.00	0.00	0.00
22	0.00	0.00	11761.50	0.00	0.00	0.00
23	0.00	0.00	13441.70	0.00	0.00	0.00
24	0.00	0.00	5600.71	0.00	0.00	0.00
52	0.00	0.00	1680.20	0.00	0.00	0.00
53	0.00	0.00	3360.44	0.00	0.00	0.00
54	0.00	0.00	2240.29	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	5040.64	0.00	0.00	0.00	0.00	0.00
2	10081.28	0.00	0.00	0.00	0.00	0.00
12	6720.85	0.00	0.00	0.00	0.00	0.00
13	5040.64	0.00	0.00	0.00	0.00	0.00
14	10081.28	0.00	0.00	0.00	0.00	0.00
24	6720.85	0.00	0.00	0.00	0.00	0.00
37	8401.07	0.00	0.00	0.00	0.00	0.00
38	23522.99	0.00	0.00	0.00	0.00	0.00
39	11761.49	0.00	0.00	0.00	0.00	0.00
40	11761.49	0.00	0.00	0.00	0.00	0.00
41	16802.13	0.00	0.00	0.00	0.00	0.00
42	15962.04	0.00	0.00	0.00	0.00	0.00
43	11761.49	0.00	0.00	0.00	0.00	0.00
44	16802.13	0.00	0.00	0.00	0.00	0.00
45	15962.04	0.00	0.00	0.00	0.00	0.00
46	8401.07	0.00	0.00	0.00	0.00	0.00
47	23522.99	0.00	0.00	0.00	0.00	0.00
48	12601.61	0.00	0.00	0.00	0.00	0.00
49	1680.21	0.00	0.00	0.00	0.00	0.00
50	840.11	0.00	0.00	0.00	0.00	0.00
51	840.11	0.00	0.00	0.00	0.00	0.00
52	840.11	0.00	0.00	0.00	0.00	0.00
53	840.11	0.00	0.00	0.00	0.00	0.00
54	1680.21	0.00	0.00	0.00	0.00	0.00
55	3360.42	0.00	0.00	0.00	0.00	0.00
56	3360.42	0.00	0.00	0.00	0.00	0.00
57	3360.42	0.00	0.00	0.00	0.00	0.00
58	3360.42	0.00	0.00	0.00	0.00	0.00
76	1680.22	0.00	0.00	0.00	0.00	0.00
77	1680.22	0.00	0.00	0.00	0.00	0.00
79	2520.32	0.00	0.00	0.00	0.00	0.00
81	2520.32	0.00	0.00	0.00	0.00	0.00
83	2520.32	0.00	0.00	0.00	0.00	0.00

JOINT LOAD - UNIT POUN FEET

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
7	5040.64	0.00	0.00	0.00	0.00	0.00
8	10081.28	0.00	0.00	0.00	0.00	0.00

9	7560.96	0.00	0.00	0.00	0.00	0.00
19	5040.64	0.00	0.00	0.00	0.00	0.00
20	10081.28	0.00	0.00	0.00	0.00	0.00
21	7560.96	0.00	0.00	0.00	0.00	0.00
25	8401.07	0.00	0.00	0.00	0.00	0.00
26	23522.99	0.00	0.00	0.00	0.00	0.00
27	13441.71	0.00	0.00	0.00	0.00	0.00
28	11761.49	0.00	0.00	0.00	0.00	0.00
29	16802.13	0.00	0.00	0.00	0.00	0.00
30	16802.13	0.00	0.00	0.00	0.00	0.00
31	11761.49	0.00	0.00	0.00	0.00	0.00
32	16802.13	0.00	0.00	0.00	0.00	0.00
33	16802.13	0.00	0.00	0.00	0.00	0.00
34	8401.07	0.00	0.00	0.00	0.00	0.00
35	23522.99	0.00	0.00	0.00	0.00	0.00
36	13441.71	0.00	0.00	0.00	0.00	0.00
49	2520.32	0.00	0.00	0.00	0.00	0.00
54	2520.32	0.00	0.00	0.00	0.00	0.00
55	5040.64	0.00	0.00	0.00	0.00	0.00
56	5040.64	0.00	0.00	0.00	0.00	0.00
57	5040.64	0.00	0.00	0.00	0.00	0.00
58	5040.64	0.00	0.00	0.00	0.00	0.00

ELEMENT LOAD (UNITS ARE POUN FEET)

ELEMENT	PRESSURE
161	-10.000000

FOR LOADING - 1
APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00000E+00	-8.99940E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	-7.22986E+04	0.00000E+00	7.48818E+03	0.00000E+00	-6.74955E+03
3	-1.65314E-05	-2.11679E+03	0.00000E+00	0.00000E+00	0.00000E+00	-6.08427E+03
4	0.00000E+00	-6.46537E+03	1.65314E-05	9.82836E+03	0.00000E+00	0.00000E+00
5	0.00000E+00	-2.11679E+03	-1.65314E-05	6.08427E+03	0.00000E+00	0.00000E+00
6	0.00000E+00	-7.53334E+04	0.00000E+00	3.74409E+03	0.00000E+00	1.21685E+04
7	0.00000E+00	-8.99940E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-4.49970E+03	0.00000E+00	6.74955E+03	0.00000E+00	6.74955E+03
9	0.00000E+00	-4.34518E+03	0.00000E+00	7.48818E+03	0.00000E+00	7.48818E+03
10	0.00000E+00	-4.94401E+03	0.00000E+00	3.74409E+03	0.00000E+00	0.00000E+00
11	1.65314E-05	-6.01087E+03	0.00000E+00	3.74409E+03	0.00000E+00	-6.08427E+03
12	-9.07186E-07	-1.49150E+05	0.00000E+00	7.48818E+03	0.00000E+00	-1.49456E+04
13	0.00000E+00	-1.03918E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	-4.92590E+03	0.00000E+00	-7.48818E+03	0.00000E+00	-6.74955E+03
15	-1.65314E-05	-2.25603E+03	0.00000E+00	0.00000E+00	0.00000E+00	-6.08427E+03
16	0.00000E+00	-4.77817E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	-1.03918E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	-8.56179E+03	0.00000E+00	-6.74955E+03	0.00000E+00	1.21685E+04
19	0.00000E+00	-1.03918E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-4.77817E+03	0.00000E+00	-6.74955E+03	0.00000E+00	6.74955E+03
21	0.00000E+00	-4.55404E+03	0.00000E+00	-7.48818E+03	0.00000E+00	7.48818E+03

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
22	0.00000E+00	-5.12966E+03	0.00000E+00	-3.74409E+03	0.00000E+00	0.00000E+00
23	1.65314E-05	-5.42450E+03	0.00000E+00	0.00000E+00	0.00000E+00	-6.08427E+03
24	-9.07186E-07	-1.49289E+05	0.00000E+00	-7.48818E+03	0.00000E+00	-1.49456E+04
25	0.00000E+00	-1.03918E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	-7.21188E+03	0.00000E+00	1.21685E+04	0.00000E+00	0.00000E+00
27	0.00000E+00	-4.55404E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	1.65314E-05	-3.47288E+03	1.65314E-05	-6.08427E+03	0.00000E+00	6.08427E+03
29	0.00000E+00	-6.12808E+03	0.00000E+00	0.00000E+00	0.00000E+00	6.74955E+03
30	0.00000E+00	-6.51971E+03	-1.65314E-05	-6.08427E+03	0.00000E+00	3.74409E+03
31	-9.91881E-05	-4.30502E+03	-1.65314E-05	6.08427E+03	0.00000E+00	1.02449E+04
32	0.00000E+00	-6.12808E+03	0.00000E+00	0.00000E+00	0.00000E+00	6.74955E+03
33	0.00000E+00	-6.51971E+03	1.65314E-05	6.08427E+03	0.00000E+00	3.74409E+03
34	0.00000E+00	-1.03918E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	-8.56179E+03	0.00000E+00	-1.21685E+04	0.00000E+00	6.74955E+03
36	0.00000E+00	-5.30285E+03	0.00000E+00	0.00000E+00	0.00000E+00	3.74409E+03
37	0.00000E+00	-8.99940E+02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-7.56289E+04	0.00000E+00	1.21685E+04	0.00000E+00	-3.74409E+03
39	-9.07186E-07	-6.13551E+03	0.00000E+00	0.00000E+00	0.00000E+00	-1.12015E+04
40	0.00000E+00	-2.25603E+03	1.65314E-05	-6.08427E+03	0.00000E+00	0.00000E+00
41	0.00000E+00	-5.07362E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	-2.38379E-06	-8.23425E+03	-1.65314E-05	-6.08427E+03	0.00000E+00	-2.98295E+04
43	0.00000E+00	-2.25603E+03	-1.65314E-05	6.08427E+03	0.00000E+00	0.00000E+00
44	0.00000E+00	-5.07362E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	-2.38379E-06	-8.23425E+03	1.65314E-05	6.08427E+03	0.00000E+00	-2.98295E+04
46	0.00000E+00	-1.03918E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-7.50733E+03	0.00000E+00	-1.21685E+04	0.00000E+00	0.00000E+00
48	-2.38379E-06	-7.01740E+03	0.00000E+00	0.00000E+00	0.00000E+00	-2.98295E+04
49	-9.07186E-07	-1.47055E+05	0.00000E+00	6.74955E+03	0.00000E+00	7.45738E+03
50	1.40719E-05	-3.13294E+03	0.00000E+00	0.00000E+00	0.00000E+00	-3.17891E-03
51	1.40719E-05	-3.28293E+03	0.00000E+00	0.00000E+00	0.00000E+00	3.17891E-03
52	1.40719E-05	-3.15615E+03	0.00000E+00	0.00000E+00	0.00000E+00	-3.17891E-03
53	1.40719E-05	-3.32935E+03	0.00000E+00	0.00000E+00	0.00000E+00	3.17891E-03
54	-9.07186E-07	-1.47124E+05	0.00000E+00	-6.74955E+03	0.00000E+00	7.45738E+03
55	-9.07186E-07	-4.71088E+03	0.00000E+00	0.00000E+00	0.00000E+00	7.45738E+03
56	-9.07186E-07	-4.71088E+03	0.00000E+00	0.00000E+00	0.00000E+00	7.45738E+03
57	-9.07186E-07	-4.71088E+03	0.00000E+00	0.00000E+00	0.00000E+00	7.45738E+03
58	-9.07186E-07	-4.71088E+03	0.00000E+00	0.00000E+00	0.00000E+00	7.45738E+03
59	0.00000E+00	-4.04633E+03	0.00000E+00	-3.74409E+03	0.00000E+00	0.00000E+00
60	0.00000E+00	-7.24440E+04	-1.65314E-05	-9.82836E+03	0.00000E+00	3.74409E+03
61	0.00000E+00	-2.11679E+03	1.65314E-05	-6.08427E+03	0.00000E+00	0.00000E+00
62	0.00000E+00	-1.03918E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	1.65314E-05	-5.99503E+03	0.00000E+00	6.74955E+03	0.00000E+00	-1.28338E+04
66	0.00000E+00	-1.03918E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	-9.91881E-05	-8.17707E+03	0.00000E+00	0.00000E+00	0.00000E+00	-1.69945E+04
68	0.00000E+00	-1.03918E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-2.88321E+03	0.00000E+00	3.74409E+03	0.00000E+00	-3.74409E+03
70	0.00000E+00	-3.63202E+03	0.00000E+00	0.00000E+00	0.00000E+00	-3.74409E+03
71	0.00000E+00	-6.12808E+03	0.00000E+00	0.00000E+00	0.00000E+00	-6.74955E+03
72	0.00000E+00	-1.03918E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-3.63202E+03	0.00000E+00	0.00000E+00	0.00000E+00	-3.74409E+03
74	0.00000E+00	-3.29638E+03	0.00000E+00	-3.74409E+03	0.00000E+00	0.00000E+00
75	0.00000E+00	-2.88321E+03	0.00000E+00	-3.74409E+03	0.00000E+00	3.74409E+03
76	1.40719E-05	-3.13294E+03	0.00000E+00	0.00000E+00	0.00000E+00	-3.17891E-03

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
77	1.40719E-05	-3.32935E+03	0.00000E+00	0.00000E+00	0.00000E+00	3.17891E-03
79	-3.29098E-06	-4.82082E+03	0.00000E+00	0.00000E+00	0.00000E+00	2.23721E+04
81	-3.29098E-06	-4.82082E+03	0.00000E+00	0.00000E+00	0.00000E+00	2.23721E+04
83	-3.29098E-06	-4.82082E+03	0.00000E+00	0.00000E+00	0.00000E+00	2.23721E+04

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

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

X = 0.430447705E+02
Y = 0.348822662E+02
Z = 0.609725499E+02

***TOTAL APPLIED LOAD (POUN FEET) SUMMARY (LOADING 1)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -1178273.52
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= 71842339.12 MY= -0.01 MZ= -50718511.97

***TOTAL REACTION LOAD(POUN FEET) SUMMARY (LOADING 1)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = 1178273.52
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= -71842339.12 MY= 0.01 MZ= 50718511.98

MAXIMUM DISPLACEMENTS (INCH /RADIANS) (LOADING 1)

	MAXIMUMS	AT NODE
X =	2.98064E-02	49
Y =	-1.17221E-01	49
Z =	1.53236E-02	51
RX=	2.23920E-04	4
RY=	-5.47513E-05	41
RZ=	-4.52233E-04	48

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (POUN FEET)-

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
1	0.00E+00	-9.00E+02	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	2.99E+02	-2.18E+05	4.35E+01	2.761E+01	-4.116E-01	-3.176E+03	111111
3	0.00	-2116.79	0.00	0.00	0.00	-6084.27	
	-1597.69	-20060.29	-271.99	-1886.03	-61.58	-3390.71	111111

5	0.00	-2116.79	0.00	6084.27	0.00	0.00	
	411.90	-82722.77	-17.46	1400.20	64.34	-3904.41	111111
7	0.00E+00	-9.00E+02	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	3.36E+02	-1.53E+05	-3.46E+01	-2.621E+02	5.026E-01	-3.398E+03	111111
13	0.00E+00	-1.04E+03	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	-1.34E+01	-1.51E+05	-2.31E+01	-2.763E+02	5.343E-01	-5.547E+02	111111
15	0.00	-2256.03	0.00	0.00	0.00	-6084.27	
	-693.70	-15861.90	-4.15	-142.08	-65.57	-1640.13	111111
17	0.00	-1039.18	0.00	0.00	0.00	0.00	
	407.48	-17789.26	98.94	645.55	-0.32	-3123.40	111111
19	0.00E+00	-1.04E+03	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	2.90E+02	-1.53E+05	3.63E+01	2.699E+02	-4.202E-01	-2.321E+03	111111
25	0.00	-1039.18	0.00	0.00	0.00	0.00	
	201.51	-17291.75	-87.09	-602.22	-0.62	-3396.56	111111
28	0.00	-3472.88	0.00	-6084.27	0.00	6084.27	
	1577.74	-18860.99	1817.19	-171.87	-85.07	-33.71	111111
31	0.00	-4305.02	0.00	6084.27	0.00	10244.93	
	1939.90	-19432.42	-1878.56	129.89	65.98	715.39	111111
34	0.00	-1039.18	0.00	0.00	0.00	0.00	
	581.94	-18854.65	92.68	644.19	0.10	-6898.29	111111
37	0.00	-899.94	0.00	0.00	0.00	0.00	
	17.17	-75353.09	-59.32	-651.60	-0.41	-436.65	111111
40	0.00	-2256.03	0.00	-6084.27	0.00	0.00	
	-898.92	-20554.29	6578.95	-523.57	9.52	11694.10	111111
43	0.00	-2256.03	0.00	6084.27	0.00	0.00	
	-928.21	-20216.24	-6687.20	-365.45	-139.95	11872.04	111111
46	0.00	-1039.18	0.00	0.00	0.00	0.00	
	-854.11	-8620.42	20.75	14.79	0.41	10162.15	111111
61	0.00	-2116.79	0.00	-6084.27	0.00	0.00	
	50.48	-11487.88	288.74	6.04	-74.05	-677.49	111111
62	0.00	-1039.18	0.00	0.00	0.00	0.00	
	361.41	-78221.96	199.34	1625.43	-0.48	-3253.13	111111
66	0.00	-1039.18	0.00	0.00	0.00	0.00	
	-681.43	-12752.15	-106.82	-721.67	-0.23	4388.21	111111
68	0.00	-1039.18	0.00	0.00	0.00	0.00	
	-897.62	-15708.32	16.76	98.87	0.29	5971.91	111111
72	0.00	-1039.18	0.00	0.00	0.00	0.00	
	90.96	-15026.89	-22.84	-162.83	0.04	-3860.81	111111

FOR LOADING - 2
APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
2	0.00000E+00	-1.01250E+05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
6	0.00000E+00	-1.01250E+05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-1.01250E+05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-1.01250E+05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 2
LOADTYPE LIVE REDUCIBLE TITLE LIVE LOAD

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

X = 0.300000009E+02
Y = 0.200000006E+02
Z = 0.150000004E+02

***TOTAL APPLIED LOAD (POUN FEET) SUMMARY (LOADING 2)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -404999.98
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= 6074999.72 MY= 0.00 MZ= -12149999.44

***TOTAL REACTION LOAD(POUN FEET) SUMMARY (LOADING 2)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = 404999.98
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= -6074999.72 MY= 0.00 MZ= 12149999.44

MAXIMUM DISPLACEMENTS (INCH /RADIANS) (LOADING 2)

	MAXIMUMS	AT NODE
X =	3.71144E-02	51
Y =	-3.13827E-02	2
Z =	-2.12484E-02	42
RX=	-5.04321E-05	51
RY=	-7.47507E-05	75
RZ=	-6.03906E-05	4

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (POUN FEET)-

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
1	0.00E+00	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	3.56E+02	-1.00E+05	-7.32E+01	-8.174E+02	-3.231E-01	-3.819E+03	111111
3	0.00	0.00	0.00	0.00	0.00	0.00	
	-1444.02	-3617.38	5.49	54.09	-118.74	-3513.67	111111
5	0.00	0.00	0.00	0.00	0.00	0.00	
	340.82	-97949.59	-99.69	1842.61	48.68	-3731.61	111111
7	0.00	0.00	0.00	0.00	0.00	0.00	
	290.57	-791.87	0.91	8.08	0.33	-3402.87	111111
13	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.94	115.17	-52.08	-550.23	-0.24	20.56	111111
15	0.00	0.00	0.00	0.00	0.00	0.00	
	-41.07	-56.96	-5.88	-111.60	7.03	27.71	111111
17	0.00	0.00	0.00	0.00	0.00	0.00	
	-1.84	59.26	-3.09	-37.34	-0.05	25.14	111111

19	0.00	0.00	0.00	0.00	0.00	0.00	
	-1.69	3.96	0.16	1.69	-0.03	23.85	111111
25	0.00	0.00	0.00	0.00	0.00	0.00	
	105.90	-109.57	0.46	4.08	-0.72	-1659.46	111111
28	0.00	0.00	0.00	0.00	0.00	0.00	
	-38.45	-18.77	61.64	0.60	16.45	-11.19	111111
31	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.87	26.68	21.21	-7.82	-13.23	-7.98	111111
34	0.00	0.00	0.00	0.00	0.00	0.00	
	5.40	-36.11	0.17	1.79	-0.01	-118.29	111111
37	0.00	0.00	0.00	0.00	0.00	0.00	
	130.57	-91106.68	-65.53	-763.96	-0.31	-1181.99	111111
40	0.00	0.00	0.00	0.00	0.00	0.00	
	0.92	-9693.39	7432.13	-664.93	-22.80	33.88	111111
43	0.00	0.00	0.00	0.00	0.00	0.00	
	0.95	-8684.72	-7301.35	-659.98	-1.33	-21.75	111111
46	0.00	0.00	0.00	0.00	0.00	0.00	
	3.79	8761.69	-51.91	-549.14	0.05	-105.12	111111
61	0.00	0.00	0.00	0.00	0.00	0.00	
	57.42	-748.24	22.84	-26.37	-65.48	-745.45	111111
62	0.00E+00	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	2.24E+02	-1.01E+05	1.19E+02	1.176E+03	-3.794E-01	-2.449E+03	111111
66	0.00	0.00	0.00	0.00	0.00	0.00	
	6.42	-50.86	-3.17	-37.89	-0.03	-25.58	111111
68	0.00	0.00	0.00	0.00	0.00	0.00	
	0.93	-2.76	-3.92	-42.84	-0.01	-5.30	111111
72	0.00	0.00	0.00	0.00	0.00	0.00	
	5.94	10.81	-3.97	-43.21	-0.01	-121.44	111111

FOR LOADING - 3
APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
12	0.00000E+00	-6.79154E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-6.79154E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-6.79154E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-6.79154E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 3
LOADTYPE ROOF LIVE TITLE ROOF LIVE

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

X = 0.450000013E+02
Y = 0.450000013E+02
Z = 0.750000022E+02

***TOTAL APPLIED LOAD (POUN FEET) SUMMARY (LOADING 3)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -271661.54
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

***TOTAL REACTION LOAD(POUN FEET) SUMMARY (LOADING 3)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = 271661.54
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= -20374615.81 MY= 0.00 MZ= 12224769.49

MAXIMUM DISPLACEMENTS (INCH /RADIANS) (LOADING 3)

	MAXIMUMS	AT NODE
X =	-3.33864E-03	50
Y =	-5.23070E-02	49
Z =	-1.06884E-03	54
RX=	-9.37909E-05	12
RY=	-1.09562E-05	49
RZ=	8.13241E-05	12

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (POUN FEET)-

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
1	0.00	0.00	0.00	0.00	0.00	0.00	
	51.03	-66898.08	53.24	351.37	0.00	-328.11	111111
3	0.00	0.00	0.00	0.00	0.00	0.00	
	-90.84	-797.53	-1.07	-11.43	3.07	-158.73	111111
5	0.00	0.00	0.00	0.00	0.00	0.00	
	-20.87	-519.45	28.98	-23.16	4.95	134.09	111111
7	0.00	0.00	0.00	0.00	0.00	0.00	
	-28.59	-66759.58	30.05	201.59	-0.01	189.72	111111
13	0.00	0.00	0.00	0.00	0.00	0.00	
	11.90	-66940.95	-27.28	-184.59	0.02	-216.89	111111
15	0.00	0.00	0.00	0.00	0.00	0.00	
	24.17	-846.58	-0.44	-8.13	0.82	-267.33	111111
17	0.00	0.00	0.00	0.00	0.00	0.00	
	-27.01	-583.68	-0.67	-6.61	0.00	140.93	111111
19	0.00	0.00	0.00	0.00	0.00	0.00	
	6.58	-66815.12	-23.33	-156.51	0.00	-30.31	111111
25	0.00	0.00	0.00	0.00	0.00	0.00	
	-2.30	-509.97	17.03	114.17	0.01	70.97	111111
28	0.00	0.00	0.00	0.00	0.00	0.00	
	-4.97	-1.24	135.92	11.72	0.05	-5.28	111111
31	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.80	-37.34	-120.28	-11.44	-1.84	-1.52	111111
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.55	-386.22	-14.22	-95.65	0.00	3.19	111111
37	0.00	0.00	0.00	0.00	0.00	0.00	
	14.69	-398.37	33.78	222.69	0.00	-90.75	111111
40	0.00	0.00	0.00	0.00	0.00	0.00	

46	0.00	0.00	0.00	0.00	0.00	0.00	
	0.77	-120.82	-16.48	-112.36	0.01	-13.83	111111
61	0.00	0.00	0.00	0.00	0.00	0.00	
	2.33	-3.58	3.64	-11.02	-5.53	-12.33	111111
62	0.00	0.00	0.00	0.00	0.00	0.00	
	64.27	-28.57	6.85	46.32	0.00	-393.53	111111
66	0.00	0.00	0.00	0.00	0.00	0.00	
	1.26	-6.56	-0.44	-5.13	0.00	-5.77	111111
68	0.00	0.00	0.00	0.00	0.00	0.00	
	0.27	-0.34	-0.53	-5.69	0.00	-1.46	111111
72	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.67	-3.52	-0.68	-6.70	0.00	3.85	111111

FOR LOADING - 4
APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
12	0.00000E+00	-8.23814E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-8.23814E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-8.23814E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-8.23814E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 4
LOADTYPE SNOW TITLE SNOW LOAD

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

X = 0.450000013E+02
Y = 0.450000013E+02
Z = 0.750000022E+02

***TOTAL APPLIED LOAD (POUN FEET) SUMMARY (LOADING 4)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -329525.47
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= 24714410.61 MY= 0.00 MZ= -14828646.37

***TOTAL REACTION LOAD(POUN FEET) SUMMARY (LOADING 4)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = 329525.47
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= -24714410.61 MY= 0.00 MZ= 14828646.37

MAXIMUM DISPLACEMENTS (INCH /RADIANS) (LOADING 4)

	MAXIMUMS	AT NODE
X =	-4.04977E-03	50
Y =	-6.34484E-02	49
Z =	-1.29651E-03	54
RX=	-1.13768E-04	12
RY=	-1.32899E-05	49
RZ=	9.86461E-05	12

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (POUN FEET)-

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
1	0.00	0.00	0.00	0.00	0.00	0.00	
	61.89	-81147.37	64.58	426.21	0.00	-398.00	111111
3	0.00	0.00	0.00	0.00	0.00	0.00	
	-110.19	-967.41	-1.30	-13.87	3.73	-192.53	111111
5	0.00	0.00	0.00	0.00	0.00	0.00	
	-25.32	-630.10	35.16	-28.10	6.01	162.65	111111
7	0.00	0.00	0.00	0.00	0.00	0.00	
	-34.68	-80979.37	36.45	244.52	-0.01	230.13	111111
13	0.00	0.00	0.00	0.00	0.00	0.00	
	14.43	-81199.38	-33.09	-223.91	0.02	-263.09	111111
15	0.00	0.00	0.00	0.00	0.00	0.00	
	29.31	-1026.90	-0.54	-9.86	0.99	-324.27	111111
17	0.00	0.00	0.00	0.00	0.00	0.00	
	-32.76	-708.00	-0.81	-8.02	0.00	170.94	111111
19	0.00	0.00	0.00	0.00	0.00	0.00	
	7.98	-81046.74	-28.30	-189.85	0.00	-36.76	111111
25	0.00	0.00	0.00	0.00	0.00	0.00	
	-2.79	-618.59	20.66	138.49	0.01	86.09	111111
28	0.00	0.00	0.00	0.00	0.00	0.00	
	-6.03	-1.50	164.87	14.22	0.06	-6.41	111111
31	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.97	-45.30	-145.90	-13.88	-2.23	-1.85	111111
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.67	-468.49	-17.25	-116.02	0.00	3.87	111111
37	0.00	0.00	0.00	0.00	0.00	0.00	
	17.82	-483.22	40.98	270.13	0.00	-110.08	111111
40	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.41	107.38	54.99	10.39	-4.10	21.82	111111
43	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.36	-112.31	-181.24	-15.70	-0.74	6.18	111111
46	0.00	0.00	0.00	0.00	0.00	0.00	
	0.94	-146.55	-19.99	-136.29	0.02	-16.77	111111
61	0.00	0.00	0.00	0.00	0.00	0.00	

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    72      0.00      0.00      0.00       0.00       0.00       0.00
           -0.81     -4.27     -0.82      -8.12       0.00       4.67  111111

FOR LOADING -     5
APPLIED JOINT EQUIVALENT LOADS
 JOINT   FORCE-X     FORCE-Y     FORCE-Z      MOM-X       MOM-Y       MOM-Z
    12 0.00000E+00-8.82900E+04 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    24 0.00000E+00-8.82900E+04 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    49 0.00000E+00-8.82900E+04 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    54 0.00000E+00-8.82900E+04 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00

          STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO.     5
          LOADTYPE RAIN WATER/ICE  TITLE RAIN LOAD


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

                       X =  0.450000013E+02
                       Y =  0.450000013E+02
                       Z =  0.750000022E+02

   ***TOTAL APPLIED LOAD ( POUN FEET ) SUMMARY (LOADING     5 )
       SUMMATION FORCE-X =           0.00
       SUMMATION FORCE-Y =     -353160.02
       SUMMATION FORCE-Z =           0.00

      SUMMATION OF MOMENTS AROUND THE ORIGIN-
      MX=    26487001.41  MY=           0.00  MZ=   -15892200.84


   ***TOTAL REACTION LOAD( POUN FEET ) SUMMARY (LOADING     5 )
       SUMMATION FORCE-X =           0.00
       SUMMATION FORCE-Y =      353160.02
       SUMMATION FORCE-Z =           0.00

      SUMMATION OF MOMENTS AROUND THE ORIGIN-
      MX=   -26487001.41  MY=           0.00  MZ=    15892200.85


   MAXIMUM DISPLACEMENTS ( INCH /RADIANS) (LOADING      5)
             MAXIMUMS    AT NODE
      X = -4.34023E-03      50
      Y = -6.79991E-02      49
      Z = -1.38950E-03      54
      RX= -1.21928E-04      12
      RY= -1.42431E-05      49
      RZ=  1.05721E-04      12



   EXTERNAL AND INTERNAL JOINT LOAD SUMMARY ( POUN FEET )-

   JT     EXT FX/   EXT FY/   EXT FZ/    EXT MX/    EXT MY/    EXT MZ/
          INT FX    INT FY    INT FZ     INT MX     INT MY     INT MZ

                                                                SUPPORT=1
```

1	0.00	0.00	0.00	0.00	0.00	0.00	
	66.33	-86967.50	69.21	456.78	0.00	-426.54	111111
3	0.00	0.00	0.00	0.00	0.00	0.00	
	-118.10	-1036.79	-1.39	-14.86	3.99	-206.34	111111
5	0.00	0.00	0.00	0.00	0.00	0.00	
	-27.13	-675.29	37.68	-30.11	6.44	174.32	111111
7	0.00	0.00	0.00	0.00	0.00	0.00	
	-37.17	-86787.45	39.07	262.06	-0.01	246.64	111111
13	0.00	0.00	0.00	0.00	0.00	0.00	
	15.46	-87023.24	-35.46	-239.97	0.02	-281.96	111111
15	0.00	0.00	0.00	0.00	0.00	0.00	
	31.42	-1100.55	-0.57	-10.57	1.06	-347.52	111111
17	0.00	0.00	0.00	0.00	0.00	0.00	
	-35.11	-758.78	-0.87	-8.59	0.00	183.21	111111
19	0.00	0.00	0.00	0.00	0.00	0.00	
	8.55	-86859.65	-30.33	-203.47	0.00	-39.40	111111
25	0.00	0.00	0.00	0.00	0.00	0.00	
	-2.99	-662.96	22.14	148.42	0.01	92.26	111111
28	0.00	0.00	0.00	0.00	0.00	0.00	
	-6.47	-1.61	176.70	15.23	0.07	-6.87	111111
31	0.00	0.00	0.00	0.00	0.00	0.00	
	-1.04	-48.55	-156.37	-14.88	-2.39	-1.98	111111
34	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.72	-502.09	-18.49	-124.34	0.00	4.15	111111
37	0.00	0.00	0.00	0.00	0.00	0.00	
	19.10	-517.88	43.92	289.50	0.00	-117.98	111111
40	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.44	115.09	58.94	11.14	-4.39	23.39	111111
43	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.39	-120.36	-194.24	-16.83	-0.80	6.62	111111
46	0.00	0.00	0.00	0.00	0.00	0.00	
	1.00	-157.06	-21.43	-146.06	0.02	-17.98	111111
61	0.00	0.00	0.00	0.00	0.00	0.00	
	3.03	-4.66	4.74	-14.33	-7.20	-16.03	111111
62	0.00	0.00	0.00	0.00	0.00	0.00	
	83.55	-37.14	8.90	60.22	0.00	-511.59	111111
66	0.00	0.00	0.00	0.00	0.00	0.00	
	1.64	-8.52	-0.58	-6.67	-0.01	-7.50	111111
68	0.00	0.00	0.00	0.00	0.00	0.00	
	0.35	-0.44	-0.69	-7.40	0.00	-1.90	111111
72	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.87	-4.58	-0.88	-8.71	0.00	5.00	111111

FOR LOADING - 6
APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	4.10936E+03	0.00000E+00	5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
11	0.00000E+00	0.00000E+00	1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00
12	4.73206E+03	-3.39577E+04	5.60071E+03	0.00000E+00	0.00000E+00	0.00000E+00
13	4.10936E+03	0.00000E+00	5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00
14	8.66319E+03	0.00000E+00	1.00813E+04	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00
19	5.04064E+03	0.00000E+00	5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00
20	1.00813E+04	0.00000E+00	1.00813E+04	0.00000E+00	0.00000E+00	0.00000E+00
21	7.56096E+03	0.00000E+00	7.28093E+03	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00
24	4.73206E+03	-3.39577E+04	5.60071E+03	0.00000E+00	0.00000E+00	0.00000E+00
25	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	6.84893E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	1.75967E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	7.37315E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	9.58850E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	1.40046E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	8.93084E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	9.58850E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	1.44342E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	8.93084E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	6.84893E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	1.71671E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	7.37315E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	2.52032E+03	-3.39577E+04	2.24029E+03	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	0.00000E+00	1.68020E+03	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	0.00000E+00	3.36044E+03	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	1.68020E+03	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	0.00000E+00	3.36044E+03	0.00000E+00	0.00000E+00	0.00000E+00
54	2.52032E+03	-3.39577E+04	2.24029E+03	0.00000E+00	0.00000E+00	0.00000E+00
55	5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 6
LOADTYPE WIND TITLE WIND LOAD (SOUTH)

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

X = 0.545620115E+02
Y = 0.230782991E+02
Z = 0.749689984E+02

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

X = 0.450000013E+02
Y = 0.450000013E+02
Z = 0.750000022E+02

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

X = 0.466666761E+02
Y = 0.225925943E+02
Z = 0.750000022E+02

***TOTAL APPLIED LOAD (POUN FEET) SUMMARY (LOADING 6)
SUMMATION FORCE-X = 415726.65
SUMMATION FORCE-Y = -135830.77
SUMMATION FORCE-Z = 272194.58

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= 16336889.45 MY= 18464193.76 MZ= -15706648.46

***TOTAL REACTION LOAD(POUN FEET) SUMMARY (LOADING 6)
SUMMATION FORCE-X = -415726.65
SUMMATION FORCE-Y = 135830.77
SUMMATION FORCE-Z = -272194.58

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= -16336889.46 MY= -18464193.76 MZ= 15706648.46

MAXIMUM DISPLACEMENTS (INCH /RADIANS) (LOADING 6)

	MAXIMUMS	AT NODE
X =	1.71300E+00	48
Y =	-2.61373E-02	49
Z =	4.06862E+00	23
RX=	1.26124E-02	16
RY=	1.10463E-02	53
RZ=	-4.50986E-03	47

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (POUN FEET)-

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

1	4109.36	0.00	5040.64	0.00	0.00	0.00	
	2622.33	-29387.27	814.92	7106.22	4.75	-24558.89	111111
3	0.00	0.00	11761.49	0.00	0.00	0.00	
	75877.40	88425.66	-1702.84	-9921.48	-14.39	-17439.86	111111
5	0.00	0.00	8401.07	0.00	0.00	0.00	
	1543.48	-45833.14	15013.93	-2347.75	31.44	-17778.84	111111
7	5040.64	0.00	5040.64	0.00	0.00	0.00	
	1462.25	-33640.73	287.11	3077.38	17.37	-17449.77	111111
13	4109.36	0.00	5040.64	0.00	0.00	0.00	
	1784.18	-32689.24	254.22	2764.17	-156.23	-24019.89	111111
15	0.00E+00	0.00E+00	1.18E+04	0.000E+00	0.000E+00	0.000E+00	
	3.65E+04	3.38E+04	9.38E+03	1.262E+05	-1.141E+04	-2.412E+04	111111
17	0.00	0.00	8401.07	0.00	0.00	0.00	
	1682.32	-39728.97	5952.22	65516.43	58.80	-22053.22	111111
19	5040.64	0.00	5040.64	0.00	0.00	0.00	
	1739.37	-36096.64	230.77	2471.71	0.86	-23708.21	111111
25	8.40E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	2.02E+04	2.58E+04	1.98E+02	2.064E+03	-9.427E+00	-2.832E+05	111111
28	11761.49	0.00	0.00	0.00	0.00	0.00	
	51691.17	-79196.08	27993.50	6573.02	3652.28	21177.15	111111
31	11761.49	0.00	0.00	0.00	0.00	0.00	
	64785.18	-36943.44	28993.34	16482.07	23169.29	41299.75	111111
34	8.40E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	1.72E+04	-4.44E+04	2.09E+02	2.210E+03	2.049E+01	-2.793E+05	111111
37	6848.93	0.00	0.00	0.00	0.00	0.00	
	341.00	40949.11	285.14	3408.16	3.91	-11088.54	111111
40	9.59E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	1.33E+04	-3.33E+04	3.86E+04	3.136E+03	-5.909E+02	-2.239E+05	111111
43	9.59E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	1.49E+04	3.56E+04	3.54E+04	2.991E+03	2.708E+03	-2.545E+05	111111
46	6.85E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	1.86E+04	-3.39E+04	2.50E+02	2.618E+03	1.801E+01	-3.264E+05	111111
61	0.00	0.00	0.00	0.00	0.00	0.00	
	-468.39	-26831.29	29700.69	-14220.19	-513.42	-6473.20	111111
62	0.00	0.00	0.00	0.00	0.00	0.00	
	479.97	-24655.18	188.96	1715.34	5.80	-31745.46	111111
66	0.00	0.00	0.00	0.00	0.00	0.00	
	-7522.51	55883.78	5982.15	65314.56	34.72	27386.95	111111
68	0.00	0.00	0.00	0.00	0.00	0.00	
	-9944.34	62764.40	6787.56	70720.68	38.93	46210.96	111111
72	0.00E+00	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	1.75E+04	1.76E+04	6.90E+03	7.160E+04	9.193E+00	-2.791E+05	111111

FOR LOADING - 7
APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	-5.04064E+03	0.00000E+00	-5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
11	0.00000E+00	0.00000E+00	-1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00
12	-6.72085E+03	-3.39577E+04	-5.60071E+03	0.00000E+00	0.00000E+00	0.00000E+00
13	-5.04064E+03	0.00000E+00	-5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00
14	-1.00813E+04	0.00000E+00	-1.00813E+04	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	-1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	-1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	-8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	-2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00
19	-4.10936E+03	0.00000E+00	-5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00
20	-8.66319E+03	0.00000E+00	-1.00813E+04	0.00000E+00	0.00000E+00	0.00000E+00
21	-7.14155E+03	0.00000E+00	-7.28093E+03	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	-1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	-1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00
24	-6.72085E+03	-3.39577E+04	-5.60071E+03	0.00000E+00	0.00000E+00	0.00000E+00
25	-6.84893E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	-1.75967E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	-1.21921E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	-9.58850E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	-1.40046E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	-1.37498E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	-9.58850E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	-1.44342E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	-1.37498E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	-6.84893E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	-1.71671E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	-1.21921E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	-8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	-2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	-1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	-1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	-1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	-1.59620E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	-1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	-1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	-1.59620E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	-8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	-2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	-1.26016E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	-4.08970E+03	-3.39577E+04	-2.24029E+03	0.00000E+00	0.00000E+00	0.00000E+00
50	-8.40111E+02	0.00000E+00	-1.68020E+03	0.00000E+00	0.00000E+00	0.00000E+00
51	-8.40111E+02	0.00000E+00	-3.36044E+03	0.00000E+00	0.00000E+00	0.00000E+00
52	-8.40111E+02	0.00000E+00	-1.68020E+03	0.00000E+00	0.00000E+00	0.00000E+00
53	-8.40111E+02	0.00000E+00	-3.36044E+03	0.00000E+00	0.00000E+00	0.00000E+00
54	-4.08970E+03	-3.39577E+04	-2.24029E+03	0.00000E+00	0.00000E+00	0.00000E+00
55	-8.17940E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	-8.17940E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	-8.17940E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	-8.17940E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	-1.68022E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
77	-1.68022E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	-2.52032E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	-2.52032E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	-2.52032E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 7
LOADTYPE WIND TITLE WIND LOAD (NORTH)

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

X = 0.459951046E+02
Y = 0.253554390E+02
Z = 0.749722190E+02

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

X = 0.450000013E+02
Y = 0.450000013E+02
Z = 0.750000022E+02

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

X = 0.466666761E+02
Y = 0.225925943E+02
Z = 0.750000022E+02

***TOTAL APPLIED LOAD (POUN FEET) SUMMARY (LOADING 7)
SUMMATION FORCE-X = -463916.46
SUMMATION FORCE-Y = -135830.77
SUMMATION FORCE-Z = -272194.58

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= 4037726.36 MY= -22078429.49 MZ= 5650420.40

***TOTAL REACTION LOAD(POUN FEET) SUMMARY (LOADING 7)
SUMMATION FORCE-X = 463916.46
SUMMATION FORCE-Y = 135830.77
SUMMATION FORCE-Z = 272194.58

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= -4037726.35 MY= 22078429.49 MZ= -5650420.40

MAXIMUM DISPLACEMENTS (INCH /RADIANS) (LOADING 7)

	MAXIMUMS	AT NODE
X	-2.18413E+00	48
Y	-2.59546E-02	49
Z	-4.09542E+00	23
RX	-1.26864E-02	16
RY	-1.11339E-02	53
RZ	5.77727E-03	47

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (POUN FEET)-

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
1	-5040.64	0.00	-5040.64	0.00	0.00	0.00	
	-3158.28	-38332.05	-857.59	-7507.15	-5.95	29923.72	111111
3	0.00E+00	0.00E+00	-1.18E+04	0.000E+00	0.000E+00	0.000E+00	
	-9.34E+04	-1.03E+05	1.69E+03	9.857E+03	1.167E+01	2.157E+04	111111
5	0.00	0.00	-8401.07	0.00	0.00	0.00	
	-2097.66	64513.59	-7728.81	3212.16	14.83	23170.09	111111
7	-4109.36	0.00	-5040.64	0.00	0.00	0.00	
	-1792.39	-32777.41	-263.16	-2942.75	-13.99	21295.10	111111
13	-5040.64	0.00	-5040.64	0.00	0.00	0.00	
	-2035.58	-34860.48	-295.53	-3092.64	163.02	28041.26	111111
15	0.00E+00	0.00E+00	-1.18E+04	0.000E+00	0.000E+00	0.000E+00	
	-4.34E+04	-4.35E+04	-9.42E+03	-1.267E+05	1.132E+04	2.836E+04	111111
17	0.00	0.00	-8401.07	0.00	0.00	0.00	
	-1995.45	47799.29	-5940.19	-65393.61	-57.43	26233.70	111111
19	-4109.36	0.00	-5040.64	0.00	0.00	0.00	
	-1935.72	-30027.13	-266.18	-2746.10	2.09	27038.70	111111
25	-6.85E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	-1.63E+04	-2.59E+04	-1.85E+02	-1.991E+03	7.409E+00	2.465E+05	111111
28	-9588.50	0.00	0.00	0.00	0.00	0.00	
	-59699.11	92087.66	-28740.36	-6640.47	-4016.65	-35982.75	111111
31	-9588.50	0.00	0.00	0.00	0.00	0.00	
	-75792.89	51017.88	-29607.52	-16408.34	-23157.41	-59783.74	111111
34	-6.85E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	-1.73E+04	5.04E+04	-2.34E+02	-2.412E+03	-2.029E+01	3.037E+05	111111
37	-8401.07	0.00	0.00	0.00	0.00	0.00	
	-505.07	-45071.20	-239.08	-3249.08	-5.26	14631.68	111111
40	-1.18E+04	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	-1.67E+04	3.50E+04	-4.23E+04	-3.380E+03	7.888E+02	2.882E+05	111111
43	-1.18E+04	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	-1.84E+04	-3.71E+04	-3.75E+04	-3.202E+03	-3.976E+03	3.245E+05	111111
46	-8.40E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	-2.45E+04	3.52E+04	-2.81E+02	-2.880E+03	-1.509E+01	4.249E+05	111111
61	0.00	0.00	0.00	0.00	0.00	0.00	
	724.57	27169.38	-29683.92	14206.48	638.10	7437.27	111111
62	0.00	0.00	0.00	0.00	0.00	0.00	
	142.87	20676.37	-236.42	-1845.00	-7.26	35561.20	111111
66	0.00	0.00	0.00	0.00	0.00	0.00	
	10303.10	-68082.67	-5975.66	-65229.94	-33.96	-40955.00	111111
68	0.00	0.00	0.00	0.00	0.00	0.00	
	13265.68	-77889.45	-6781.88	-70641.52	-40.44	-63661.57	111111

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
4	0.00000E+00	0.00000E+00	-1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00
5	0.00000E+00	0.00000E+00	-8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00
6	0.00000E+00	0.00000E+00	-2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00
7	5.04064E+03	0.00000E+00	-5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00
8	1.00813E+04	0.00000E+00	-1.00813E+04	0.00000E+00	0.00000E+00	0.00000E+00
9	7.56096E+03	0.00000E+00	-7.28093E+03	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	-1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	-1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00
12	6.72085E+03	-3.39577E+04	-5.60071E+03	0.00000E+00	0.00000E+00	0.00000E+00
13	5.04064E+03	0.00000E+00	-4.10936E+03	0.00000E+00	0.00000E+00	0.00000E+00
14	1.00813E+04	0.00000E+00	-8.66319E+03	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	-9.58850E+03	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	-1.44342E+04	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	-6.84893E+03	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	-1.71671E+04	0.00000E+00	0.00000E+00	0.00000E+00
19	5.04064E+03	0.00000E+00	-4.10936E+03	0.00000E+00	0.00000E+00	0.00000E+00
20	1.00813E+04	0.00000E+00	-8.66319E+03	0.00000E+00	0.00000E+00	0.00000E+00
21	7.56096E+03	0.00000E+00	-6.87383E+03	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	-1.11156E+04	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	-1.00074E+04	0.00000E+00	0.00000E+00	0.00000E+00
24	6.72085E+03	-3.39577E+04	-5.26749E+03	0.00000E+00	0.00000E+00	0.00000E+00
25	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	1.59620E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	1.59620E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	1.26016E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	4.20053E+03	-3.39577E+04	-2.24029E+03	0.00000E+00	0.00000E+00	0.00000E+00
50	8.40111E+02	0.00000E+00	-1.68020E+03	0.00000E+00	0.00000E+00	0.00000E+00
51	8.40111E+02	0.00000E+00	-3.36044E+03	0.00000E+00	0.00000E+00	0.00000E+00
52	8.40111E+02	0.00000E+00	-1.60632E+03	0.00000E+00	0.00000E+00	0.00000E+00
53	8.40111E+02	0.00000E+00	-3.21266E+03	0.00000E+00	0.00000E+00	0.00000E+00
54	4.20053E+03	-3.39577E+04	-2.14177E+03	0.00000E+00	0.00000E+00	0.00000E+00
55	8.40106E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	8.40106E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
57	8.40106E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	8.40106E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	1.68022E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
77	1.68022E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	2.52032E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	2.52032E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	2.52032E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 8
LOADTYPE WIND TITLE WIND LOAD (EAST)

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

X = 0.494999966E+02
Y = 0.250000009E+02
Z = 0.750000023E+02

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

X = 0.450000013E+02
Y = 0.450000013E+02
Z = 0.750000022E+02

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

X = 0.467451027E+02
Y = 0.228507229E+02
Z = 0.683109613E+02

***TOTAL APPLIED LOAD (POUN FEET) SUMMARY (LOADING 8)
SUMMATION FORCE-X = 504064.04
SUMMATION FORCE-Y = -135830.77
SUMMATION FORCE-Z = -249906.15

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= 4476771.93 MY= 49486691.08 MZ= -18713985.73

***TOTAL REACTION LOAD(POUN FEET) SUMMARY (LOADING 8)
SUMMATION FORCE-X = -504064.04
SUMMATION FORCE-Y = 135830.77
SUMMATION FORCE-Z = 249906.15

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= -4476771.92 MY= -49486691.08 MZ= 18713985.73

MAXIMUM DISPLACEMENTS (INCH /RADIANS) (LOADING 8)

	MAXIMUMS	AT NODE
X =	2.17216E+00	48
Y =	2.80404E-02	81
Z =	-3.12775E+00	23
RX=	-9.86133E-03	16
RY=	-8.35462E-03	53
RZ=	-5.70141E-03	47

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (POUN FEET)-

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
1	5040.64	0.00	-5040.64	0.00	0.00	0.00	
	2770.30	-31665.91	10.72	-721.97	-0.67	-28069.11	111111
3	0.00	0.00	-11761.49	0.00	0.00	0.00	
	90437.73	40167.39	1694.70	9885.73	326.86	-23240.70	111111
5	0.00E+00	0.00E+00	-8.40E+03	0.000E+00	0.000E+00	0.000E+00	
	3.36E+03	-1.19E+05	-6.49E+04	-3.742E+03	1.879E+02	-3.103E+04	111111
7	5040.64	0.00	-5040.64	0.00	0.00	0.00	
	1697.90	-34994.69	-202.38	-2281.25	16.24	-20549.64	111111
13	5040.64	0.00	-4109.36	0.00	0.00	0.00	
	2311.33	-30160.23	-162.62	-1706.83	84.31	-32768.11	111111
15	0.00E+00	0.00E+00	-9.59E+03	0.000E+00	0.000E+00	0.000E+00	
	5.16E+04	5.45E+04	-7.93E+03	-1.042E+05	1.061E+04	-3.325E+04	111111
17	0.00	0.00	-6848.93	0.00	0.00	0.00	
	2225.20	-49676.96	-4891.62	-53986.05	-70.92	-29962.72	111111
19	5040.64	0.00	-4109.36	0.00	0.00	0.00	
	2135.64	-35476.85	-143.48	-1532.37	-44.15	-30489.38	111111
25	8.40E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	2.14E+04	-2.27E+04	-1.45E+02	-1.524E+03	1.391E+00	-3.142E+05	111111
28	11761.49	0.00	0.00	0.00	0.00	0.00	
	71920.53	-54027.19	-20647.67	-5208.09	-8958.33	35309.84	111111
31	1.18E+04	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	8.13E+04	-1.04E+05	-2.29E+04	-1.532E+04	-1.616E+04	6.190E+04	111111
34	8.40E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	2.03E+04	-2.26E+03	-1.31E+02	-1.367E+03	-1.278E+01	-3.367E+05	111111
37	8401.07	0.00	0.00	0.00	0.00	0.00	
	1620.24	-9100.43	-367.70	-2832.72	1.33	-23404.80	111111
40	1.18E+04	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	1.71E+04	2.21E+04	-1.04E+04	-1.135E+03	-8.619E+02	-3.035E+05	111111
43	1.18E+04	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	1.95E+04	-2.10E+04	-1.84E+04	-1.387E+03	6.416E+03	-3.422E+05	111111
46	8.40E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	2.21E+04	2.32E+04	-1.40E+02	-1.451E+03	-3.622E+01	-3.993E+05	111111
61	0.00	0.00	0.00	0.00	0.00	0.00	

72 0.00E+00 0.00E+00 0.00E+00 0.000E+00 0.000E+00 0.000E+00
2.08E+04 1.70E+04 -5.74E+03 -5.945E+04 -9.006E+00 -3.379E+05 111111

FOR LOADING - 9
APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	5.04064E+03	0.00000E+00	4.10936E+03	0.00000E+00	0.00000E+00	0.00000E+00
2	1.00813E+04	0.00000E+00	8.66319E+03	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	0.00000E+00	9.58850E+03	0.00000E+00	0.00000E+00	0.00000E+00
4	0.00000E+00	0.00000E+00	1.44342E+04	0.00000E+00	0.00000E+00	0.00000E+00
5	0.00000E+00	0.00000E+00	6.84893E+03	0.00000E+00	0.00000E+00	0.00000E+00
6	0.00000E+00	0.00000E+00	1.71671E+04	0.00000E+00	0.00000E+00	0.00000E+00
7	5.04064E+03	0.00000E+00	4.10936E+03	0.00000E+00	0.00000E+00	0.00000E+00
8	1.00813E+04	0.00000E+00	8.66319E+03	0.00000E+00	0.00000E+00	0.00000E+00
9	7.56096E+03	0.00000E+00	6.87383E+03	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	1.11156E+04	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	1.00074E+04	0.00000E+00	0.00000E+00	0.00000E+00
12	6.72085E+03	-3.39577E+04	5.26749E+03	0.00000E+00	0.00000E+00	0.00000E+00
13	5.04064E+03	0.00000E+00	5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00
14	1.00813E+04	0.00000E+00	1.00813E+04	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00
19	5.04064E+03	0.00000E+00	5.04064E+03	0.00000E+00	0.00000E+00	0.00000E+00
20	1.00813E+04	0.00000E+00	1.00813E+04	0.00000E+00	0.00000E+00	0.00000E+00
21	7.56096E+03	0.00000E+00	7.28093E+03	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00
24	6.72085E+03	-3.39577E+04	5.60071E+03	0.00000E+00	0.00000E+00	0.00000E+00
25	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	1.34417E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	1.59620E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	1.17615E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	1.68021E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	1.59620E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	8.40107E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	2.35230E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	1.26016E+04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	4.20053E+03	-3.39577E+04	2.14177E+03	0.00000E+00	0.00000E+00	0.00000E+00
50	8.40111E+02	0.00000E+00	1.60632E+03	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
51	8.40111E+02	0.00000E+00	3.21266E+03	0.00000E+00	0.00000E+00	0.00000E+00
52	8.40111E+02	0.00000E+00	1.68020E+03	0.00000E+00	0.00000E+00	0.00000E+00
53	8.40111E+02	0.00000E+00	3.36044E+03	0.00000E+00	0.00000E+00	0.00000E+00
54	4.20053E+03	-3.39577E+04	2.24029E+03	0.00000E+00	0.00000E+00	0.00000E+00
55	8.40106E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	8.40106E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	8.40106E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	8.40106E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	1.68022E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
77	1.68022E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	2.52032E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	2.52032E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	2.52032E+03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 9
LOADTYPE WIND TITLE WIND LOAD (WEST)

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

X = 0.494999966E+02
Y = 0.250000009E+02
Z = 0.750000023E+02

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

X = 0.450000013E+02
Y = 0.450000013E+02
Z = 0.750000022E+02

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

X = 0.467451027E+02
Y = 0.228507229E+02
Z = 0.816890432E+02

***TOTAL APPLIED LOAD (POUN FEET) SUMMARY (LOADING 9)
SUMMATION FORCE-X = 504064.04
SUMMATION FORCE-Y = -135830.77
SUMMATION FORCE-Z = 249906.15

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= 15897843.88 MY= 26122914.56 MZ= -18713985.73

***TOTAL REACTION LOAD(POUN FEET) SUMMARY (LOADING 9)
SUMMATION FORCE-X = -504064.04
SUMMATION FORCE-Y = 135830.77
SUMMATION FORCE-Z = -249906.15

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= -15897843.89 MY= -26122914.56 MZ= 18713985.74

MAXIMUM DISPLACEMENTS (INCH /RADIANS) (LOADING 9)

	MAXIMUMS	AT NODE
X =	2.31652E+00	48
Y =	2.74320E-02	81
Z =	4.08322E+00	23
RX=	1.26556E-02	16
RY=	1.10991E-02	53
RZ=	-6.10220E-03	47

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (POUN FEET)-

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
1	5040.64	0.00	4109.36	0.00	0.00	0.00	
	3345.81	-28458.17	892.80	7649.00	5.32	-31657.59	111111
3	0.00E+00	0.00E+00	9.59E+03	0.000E+00	0.000E+00	0.000E+00	
	9.75E+04	1.01E+05	-1.39E+03	-8.050E+03	7.209E+01	-2.289E+04	111111
5	0.00	0.00	6848.93	0.00	0.00	0.00	
	2284.42	-74585.85	-679.36	-3854.26	38.78	-24819.41	111111
7	5040.64	0.00	4109.36	0.00	0.00	0.00	
	1852.46	-34021.24	276.52	2967.44	17.42	-22170.02	111111
13	5040.64	0.00	5040.64	0.00	0.00	0.00	
	2147.62	-31940.28	262.29	2845.63	-164.05	-29670.60	111111
15	0.00E+00	0.00E+00	1.18E+04	0.000E+00	0.000E+00	0.000E+00	
	4.60E+04	4.50E+04	9.40E+03	1.266E+05	-1.122E+04	-3.018E+04	111111
17	0.00	0.00	8401.07	0.00	0.00	0.00	
	2090.56	-50781.44	5926.93	65244.84	55.95	-27666.18	111111
19	5040.64	0.00	5040.64	0.00	0.00	0.00	
	2087.78	-36859.15	239.48	2551.59	-4.82	-28959.41	111111
25	8.40E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	2.07E+04	2.45E+04	1.93E+02	2.014E+03	-8.398E+00	-3.035E+05	111111
28	11761.49	0.00	0.00	0.00	0.00	0.00	
	66193.66	-96862.26	27644.02	6547.98	3376.65	36374.66	111111
31	11761.49	0.00	0.00	0.00	0.00	0.00	
	82552.59	-57974.75	28697.18	16171.74	23349.01	62500.89	111111
34	8.40E+03	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	2.02E+04	-5.11E+04	2.15E+02	2.273E+03	2.064E+01	-3.431E+05	111111
37	8401.07	0.00	0.00	0.00	0.00	0.00	
	659.34	44461.96	245.34	3256.97	4.93	-16535.89	111111
40	1.18E+04	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	1.70E+04	-3.36E+04	4.14E+04	3.314E+03	-8.330E+02	-2.989E+05	111111
43	1.18E+04	0.00E+00	0.00E+00	0.000E+00	0.000E+00	0.000E+00	
	1.89E+04	3.62E+04	3.66E+04	3.117E+03	4.180E+03	-3.368E+05	111111

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    66      0.00      0.00      0.00       0.00       0.00       0.00
       -10926.70  73619.16   5962.46   65082.23      34.19   42577.39  111111

    68      0.00      0.00      0.00       0.00       0.00       0.00
       -14095.81  83890.92   6768.63   70494.05      41.59   67264.86  111111

    72  0.00E+00  0.00E+00  0.00E+00  0.000E+00  0.000E+00  0.000E+00
        2.07E+04  2.36E+04  6.86E+03  7.126E+04  8.895E+00 -3.444E+05  111111


  LOAD COMBINATION NO.    10
  LFRD 1

LOADING-     1.
FACTOR -   1.40

  LOAD COMBINATION NO.    11
  LFRD 2

LOADING-     1.     2.     5.
FACTOR -   1.20   1.60   0.50

  LOAD COMBINATION NO.    12
  LFRD 3 S

LOADING-     1.     5.     2.     6.
FACTOR -   1.20   1.60   0.50   0.50

  LOAD COMBINATION NO.    13
  LFRD 3 N

LOADING-     1.     5.     2.     7.
FACTOR -   1.20   1.60   0.50   0.50

  LOAD COMBINATION NO.    14
  LFRD 3 E

LOADING-     1.     5.     2.     8.
FACTOR -   1.20   1.60   0.50   0.50

  LOAD COMBINATION NO.    15
  LFRD 3 W

LOADING-     1.     5.     2.     9.
FACTOR -   1.20   1.60   0.50   0.50

  LOAD COMBINATION NO.    16
  LFRD 4 S

LOADING-     1.     2.     5.     6.
FACTOR -   1.20   0.50   0.50   1.00

  LOAD COMBINATION NO.    17
  LFRD 4 N

LOADING-     1.     2.     5.     7.
FACTOR -   1.20   0.50   0.50   1.00
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  LOAD COMBINATION NO.    18
  LFRD 4 E

LOADING-     1.     2.     5.     8.
FACTOR -   1.20   0.50   0.50   1.00

  LOAD COMBINATION NO.    19
  LFRD 4 W

LOADING-     1.     2.     5.     9.
FACTOR -   1.20   0.50   0.50   1.00

  LOAD COMBINATION NO.    20
  LFRD 5

LOADING-     1.     2.     4.
FACTOR -   1.20   0.50   0.20

  LOAD COMBINATION NO.    21
  LFRD 6 S

LOADING-     1.     6.
FACTOR -   0.90   1.00

  LOAD COMBINATION NO.    22
  LFRD 6 N

LOADING-     1.     7.
FACTOR -   0.90   1.00

  LOAD COMBINATION NO.    23
  LFRD 6 E

LOADING-     1.     8.
FACTOR -   0.90   1.00

  LOAD COMBINATION NO.    24
  LFRD 6 W

LOADING-     1.     9.
FACTOR -   0.90   1.00

  LOAD COMBINATION NO.    25
  LFRD 7

LOADING-     1.
FACTOR -   0.90


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


  204. DEFINE ENVELOPE
  205. 1 TO 25 ENVELOPE 1 TYPE SERVICEABILITY
  206. END DEFINE ENVELOPE
  207. PARAMETER 1
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208. CODE LRFD
209. FYLD 5.184E+006 ALL
210. CHECK CODE ALL
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STAAD.Pro CODE CHECKING - (LRFD 3RD EDITION)
****

ALL UNITS ARE - POUN FEET (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
1	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.799	15
		463876.22 C	-7274.82	-24075.75	20.00
2	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.379	11
		237533.27 C	-1859.51	2474.16	0.00
3	LD L806012	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.578	19
		64195.06 C	1036.03	7561.84	0.00
4	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.476	17
		15897.81 C	-3899.63	-301693.22	0.00
5	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.539	17
		34394.05 C	-3749.10	-335981.97	0.00
6	LD L806012	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.603	17
		59605.53 C	-5001.44	7071.09	36.06
7	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.684	9
		34130.77 C	2708.41	439722.09	0.00
8	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.549	13
		339391.00 C	-2536.92	-12914.08	0.00
9	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.081	16
		14691.16 C	-1847.50	18535.91	30.00
10	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.097	8
		8626.44 C	-8978.07	-8782.51	0.00
11	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.086	18
		5357.06 C	5815.54	15521.64	0.00
12	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.104	18
		5292.62 C	11425.55	6843.35	30.00
13	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.291	18
		11808.37 C	-37165.75	-6141.78	30.00
14	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.591	15
		332575.25 C	8158.25	19752.26	0.00
15	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.305	8
		8531.14 T	-6068.13	109846.52	0.00
16	LD L806012	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.311	18
		18247.69 C	-7972.04	6355.43	0.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
17	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.132	17
		7155.87 C	671.68	83995.87	20.00
18	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.178	17
		25982.45 C	2466.88	98078.30	20.00
19	LD L806012	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.242	18
		27155.29 T	5668.90	7416.97	36.06
20	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.183	17
		9765.25 C	3981.48	103789.32	20.00
21	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.558	14
		330722.09 C	5118.59	-19353.44	20.00
22	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.283	19
		15454.18 C	-32970.39	-12268.08	0.00
23	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.182	16
		18323.61 C	-16071.69	16967.24	0.00
24	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.119	18
		554.89 T	11966.35	14881.70	0.00
25	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.250	17
		15284.07 C	-26513.91	17218.96	30.00
26	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.353	18
		21753.58 C	37658.11	23663.43	0.00
27	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.095	18
		14337.97 C	198.70	29370.62	30.00
28	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.376	19
		8030.38 C	-60853.71	24604.41	30.00
29	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.203	16
		19024.94 C	-13004.32	34036.41	30.00
30	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.540	19
		20031.56 C	-63086.00	29318.19	30.00
31	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.190	16
		15667.11 T	28275.84	-16437.77	20.00

ALL UNITS ARE - POUN FEET (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
32	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.792	17
		36174.51 C	-119454.83	-26234.21	0.00
33	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.366	17
		35344.88 C	-64597.75	-7783.45	20.00
34	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.354	17
		30100.52 C	52799.98	-6876.22	20.00
35	LD L806012		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.918	17
		114778.99 C	140.14	7287.19	0.00
36	LD L806012		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.700	17
		49936.23 C	15313.38	6968.00	36.06
37	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.052	17
		1947.22 T	626.79	17558.33	0.00
38	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.342	17
		4430.61 T	60779.04	14293.38	0.00
39	LD L806012		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.379	24
		28262.55 C	-6653.89	5028.75	0.00
40	LD L806012		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.752	19
		28749.53 C	27277.40	7511.09	36.06
41	ST W16X100		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.094	18
		2067.31 T	-6243.83	20567.69	30.00
42	ST W16X100		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.347	17
		14021.38 C	-41042.47	16793.00	30.00
43	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.441	18
		225441.86 C	-2854.31	37287.43	0.00
44	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.503	19
		73725.32 C	65996.52	31310.10	0.00
45	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.378	18
		14187.55 C	-64880.12	18808.79	0.00
46	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.068	17
		10318.13 C	-6730.84	13191.11	20.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
47	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.120	19
		9003.51 T	-12784.79	19124.51	30.00
48	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.207	24
		10198.14 T	34296.79	11637.74	30.00
49	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.114	17
		8030.14 C	4524.66	28850.53	0.00
50	ST W16X100	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.220	17
		7773.21 C	-24987.29	-14373.66	30.00
51	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.568	15
		341061.38 C	1592.50	16468.96	0.00
52	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.513	18
		45097.46 C	-2170.61	319065.75	0.00
53	LD L806012	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.418	19
		36178.91 C	3630.14	7317.70	0.00
54	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.310	19
		45861.93 C	-2012.04	180183.70	20.00
55	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.368	18
		45028.61 C	1482.41	222556.44	20.00
56	LD L806012	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.412	17
		37600.40 C	-2707.60	7242.05	36.06
57	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.588	19
		75208.81 C	2984.98	351387.44	0.00
58	ST W24X104	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.553	15
		342631.28 C	1274.95	17315.74	0.00
59	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.170	19
		7898.89 C	20922.03	21522.53	30.00
60	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.140	19
		7252.89 T	-22360.33	9198.17	30.00
61	ST W14X90	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.135	19
		5315.40 T	-20963.09	10535.05	30.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
62	ST W14X90	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-T	0.190		18
	6087.71 T	34924.70	4972.53		30.00
63	ST W14X90	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-C	0.256		17
	11583.91 C	-37807.86	20954.26		0.00
64	ST W14X90	(AISC SECTIONS)			
	PASS	LRFD-H1-1A-C	0.543		13
	334308.44 C	-3522.94	5967.20		20.00
65	ST W24X104	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-C	0.195		19
	15052.88 C	-2256.18	-116646.00		20.00
66	LD L806012	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-C	0.230		17
	16781.60 C	3114.71	7137.32		36.06
67	ST W24X104	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-C	0.433		19
	35369.16 C	1064.95	273686.19		0.00
68	ST W24X104	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-C	0.507		18
	33795.13 C	-961.71	326042.50		0.00
69	LD L806012	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-T	0.215		18
	8086.47 T	5251.56	7141.42		36.06
70	ST W24X104	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-C	0.287		19
	23123.09 C	461.56	-183039.86		20.00
71	ST W24X104	(AISC SECTIONS)			
	PASS	LRFD-H1-1A-C	0.547		13
	332797.38 C	2188.53	20587.46		20.00
72	ST W16X100	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-T	0.115		18
	7557.12 T	-14412.50	-4777.98		0.00
73	ST W16X100	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-T	0.093		18
	7017.92 T	6601.33	18136.20		0.00
74	ST W16X100	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-C	0.112		19
	1580.74 C	-9439.42	18385.31		30.00
75	ST W16X100	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-C	0.181		18
	8529.30 C	19155.62	14375.87		30.00
76	ST W16X100	(AISC SECTIONS)			
	PASS	LRFD-H1-1B-C	0.273		17
	10815.54 C	-26021.07	31372.11		0.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
77	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.154	18
		11887.97 T	-30657.26	-4534.03	0.00
78	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.498	15
		333230.19 C	12727.82	3463.65	10.00
79	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.137	22
		2987.67 C	27132.18	5373.27	30.18
81	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.072	18
		5027.30 C	-4807.53	19127.83	6.67
82	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.071	17
		5477.44 C	-5579.21	16947.72	3.33
83	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.482	19
		11254.15 T	-94144.36	22505.75	30.18
84	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.459	17
		2168.80 C	93719.73	15526.56	0.00
86	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.213	16
		5734.85 C	30207.88	20248.25	6.67
87	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.192	17
		5293.77 C	27114.29	18814.60	3.33
88	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.461	13
		331205.81 C	11383.86	-10782.47	0.00
94	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.263	19
		9611.73 C	17687.87	-116745.89	0.00
95	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.227	19
		13900.52 C	12860.85	-109634.09	0.00
96	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.253	19
		14953.77 C	-12819.75	-129810.27	10.00
97	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.247	17
		148.59 T	-18334.36	105912.48	0.00
98	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.346	7
		5602.01 C	-73532.63	-4963.78	30.18

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
99	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.296	19
		5569.44 C	-48301.25	-18912.02	0.00
100	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.161	18
		3127.77 C	27953.75	7102.90	30.00
101	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.173	19
		1910.39 C	-27028.97	13578.84	30.00
102	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.322	18
		238.02 C	57360.06	13819.07	30.00
103	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.380	18
		657.59 C	-71265.95	-9785.14	30.00
104	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.348	17
		6897.00 C	71771.62	-8484.15	0.00
105	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.220	19
		5680.25 T	-129.48	27147.89	30.00
106	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.270	18
		7880.38 C	72.63	28968.15	30.00
107	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.132	18
		21061.25 T	70.17	13966.48	30.00
108	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.307	16
		8213.18 T	-214.99	37771.97	0.00
109	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.425	11
		253630.84 C	-4812.93	8584.12	0.00
110	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.213	18
		7479.44 C	-28482.79	-27102.07	0.00
111	LD L806012		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.435	16
		39414.79 C	-766.90	10157.34	36.06
112	LD L806012		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.691	18
		78875.18 C	357.93	8999.80	36.06
114	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.763	19
		66286.36 T	-65141.28	229018.75	20.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
115	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.628	17
		82167.92 C	55996.11	-154082.50	20.00
116	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.350	17
		6376.37 C	29311.78	73189.13	30.00
117	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.611	8
		14593.72 T	-23589.64	315629.62	0.00
118	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.498	18
		1422.29 T	-17305.64	269221.31	0.00
119	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.947	9
		23629.37 T	71256.59	344377.59	0.00
120	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.368	18
		2154.13 C	31514.60	-120052.05	20.00
121	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.327	18
		10606.54 C	38122.86	46843.61	30.00
122	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.527	19
		19551.04 T	-63359.59	74499.73	30.00
123	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.676	7
		17638.80 C	-21473.67	-25685.58	0.00
124	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.237	18
		11668.92 C	6234.70	8204.35	30.00
125	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.171	19
		4954.73 T	-5310.36	9247.23	30.00
126	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.687	19
		5990.11 C	-7646.88	66643.88	0.00
127	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.847	18
		8106.44 C	11023.44	78029.99	0.00
128	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.738	19
		6985.64 C	-13017.49	60257.77	0.00
129	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.500	18
		58922.45 T	-37345.35	103502.23	30.00

ALL UNITS ARE - POUN FEET (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
130	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.455	19
		50464.41 T	-34745.34	93513.99	0.00
131	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.662	19
		14428.13 T	-32673.28	181341.55	0.00
132	LD L808018		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.864	19
		120556.05 C	-24663.77	16835.70	0.00
133	LD L806012		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.971	18
		102620.01 C	-6450.21	9874.19	36.06
134	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.633	18
		35308.54 C	2991.20	29600.28	30.00
135	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.641	18
		35308.19 C	-3752.73	29038.78	30.00
136	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.635	19
		16522.71 C	57023.36	-189482.52	20.00
137	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.480	8
		2814.61 T	-59055.69	-75573.55	20.00
138	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.555	17
		8499.62 T	-5052.23	58501.05	30.00
139	ST W12X50		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.498	18
		6348.90 T	6610.34	48011.05	30.00
140	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.309	22
		26216.99 C	-36315.76	50527.91	0.00
141	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.221	17
		32520.95 C	22720.42	36752.76	0.00
142	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.276	23
		7528.38 C	13557.11	148038.41	6.67
143	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.158	23
		3732.65 C	54.61	65870.98	0.00
144	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.243	8
		21697.38 T	-41034.78	-19837.15	30.18

ALL UNITS ARE - POUN FEET (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
145	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.545	19
		14418.29 C	-30944.73	106327.45	60.37
147	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.283	18
		2289.90 T	-12.49	220092.33	0.00
148	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.474	17
		7565.98 C	30385.89	136060.09	0.00
149	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.587	19
		16359.02 C	-30240.88	117724.68	60.37
151	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.323	18
		3713.07 T	3.13	250459.84	0.00
152	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.527	17
		10078.11 C	29971.91	157993.98	0.00
153	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.524	19
		9056.74 C	-28433.83	108241.07	60.37
155	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.252	19
		86.41 C	-0.36	196977.67	0.00
156	ST W14X99		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.459	19
		8076.73 T	51323.29	92675.06	30.18

********** END OF TABULATED RESULT OF DESIGN **********

211. PARAMETER 2
212. CODE LRFD
213. STEEL MEMBER TAKE OFF LIST 1 TO 79 81 TO 84 86 TO 88 94 TO 112 114 TO 145 -

STEEL TAKE-OFF

PROFILE	LENGTH(FEET)	WEIGHT(POUN)
214. 147 TO 149 151 TO 153 155 156		
ST W14X90	923.33	83094.452
LD L806012	540.83	36505.608
ST W24X104	686.67	71356.764
ST W16X100	630.00	62900.708
ST W14X99	543.32	53693.144
ST W12X50	420.00	20966.903
LD L808018	36.06	4097.973
TOTAL =		332615.550

MEMBER	PROFILE	LENGTH (FEET)	WEIGHT (POUN)
1	ST W14X90	20.00	1799.880
2	ST W14X90	20.00	1799.880
3	LD L806012	36.06	2433.707
4	ST W24X104	20.00	2078.352
5	ST W24X104	20.00	2078.352
6	LD L806012	36.06	2433.707
7	ST W24X104	20.00	2078.352
8	ST W24X104	20.00	2078.352
9	ST W16X100	30.00	2995.272
10	ST W16X100	30.00	2995.272
11	ST W16X100	30.00	2995.272
12	ST W16X100	30.00	2995.272
13	ST W16X100	30.00	2995.272
14	ST W14X90	20.00	1799.880
15	ST W14X90	20.00	1799.880
16	LD L806012	36.06	2433.707
17	ST W24X104	20.00	2078.352
18	ST W24X104	20.00	2078.352
19	LD L806012	36.06	2433.707
20	ST W24X104	20.00	2078.352
21	ST W24X104	20.00	2078.352
22	ST W16X100	30.00	2995.272
23	ST W16X100	30.00	2995.272
24	ST W16X100	30.00	2995.272
25	ST W16X100	30.00	2995.272
26	ST W16X100	30.00	2995.272
27	ST W14X90	30.00	2699.820
28	ST W14X90	30.00	2699.820
29	ST W16X100	30.00	2995.272
30	ST W16X100	30.00	2995.272
31	ST W14X90	20.00	1799.880
32	ST W24X104	20.00	2078.352
33	ST W14X90	20.00	1799.880
34	ST W24X104	20.00	2078.352
35	LD L806012	36.06	2433.707
36	LD L806012	36.06	2433.707
37	ST W14X90	30.00	2699.820

38	ST	W14X90	30.00	2699.820
39	LD	L806012	36.06	2433.707
40	LD	L806012	36.06	2433.707
41	ST	W16X100	30.00	2995.272
42	ST	W16X100	30.00	2995.272
43	ST	W14X90	20.00	1799.880
44	ST	W24X104	20.00	2078.352
45	ST	W14X90	20.00	1799.880
46	ST	W24X104	20.00	2078.352
47	ST	W14X90	30.00	2699.820
48	ST	W14X90	30.00	2699.820
49	ST	W16X100	30.00	2995.272
50	ST	W16X100	30.00	2995.272
51	ST	W14X90	20.00	1799.880
52	ST	W24X104	20.00	2078.352
53	LD	L806012	36.06	2433.707
54	ST	W24X104	20.00	2078.352
55	ST	W24X104	20.00	2078.352
56	LD	L806012	36.06	2433.707
57	ST	W24X104	20.00	2078.352
58	ST	W24X104	20.00	2078.352
59	ST	W14X90	30.00	2699.820
60	ST	W14X90	30.00	2699.820
61	ST	W14X90	30.00	2699.820
62	ST	W14X90	30.00	2699.820
63	ST	W14X90	30.00	2699.820
64	ST	W14X90	20.00	1799.880
65	ST	W24X104	20.00	2078.352
66	LD	L806012	36.06	2433.707
67	ST	W24X104	20.00	2078.352
68	ST	W24X104	20.00	2078.352
69	LD	L806012	36.06	2433.707
70	ST	W24X104	20.00	2078.352
71	ST	W24X104	20.00	2078.352
72	ST	W16X100	30.00	2995.272
73	ST	W16X100	30.00	2995.272
74	ST	W16X100	30.00	2995.272
75	ST	W16X100	30.00	2995.272
76	ST	W16X100	30.00	2995.272
77	ST	W14X99	30.18	2982.952
78	ST	W14X90	10.00	899.940
79	ST	W14X99	30.18	2982.953
81	ST	W14X90	6.67	599.963
82	ST	W14X90	3.33	299.977
83	ST	W14X99	30.18	2982.952
84	ST	W14X99	30.18	2982.953
86	ST	W24X104	6.67	692.788
87	ST	W24X104	3.33	346.388
88	ST	W24X104	10.00	1039.176
94	ST	W24X104	10.00	1039.176
95	ST	W24X104	10.00	1039.176
96	ST	W24X104	10.00	1039.176
97	ST	W24X104	10.00	1039.176
98	ST	W14X99	30.18	2982.952
99	ST	W14X90	30.00	2699.820
100	ST	W14X90	30.00	2699.820

101	ST	W14X90	30.00	2699.820
102	ST	W14X90	30.00	2699.820
103	ST	W14X90	30.00	2699.820
104	ST	W14X99	30.18	2982.952
105	ST	W12X50	30.00	1497.636
106	ST	W12X50	30.00	1497.636
107	ST	W12X50	30.00	1497.636
108	ST	W12X50	30.00	1497.636
109	ST	W24X104	20.00	2078.352
110	ST	W14X90	20.00	1799.880
111	LD	L806012	36.06	2433.707
112	LD	L806012	36.06	2433.707
114	ST	W24X104	20.00	2078.352
115	ST	W24X104	20.00	2078.352
116	ST	W14X90	30.00	2699.820
117	ST	W24X104	20.00	2078.352
118	ST	W24X104	20.00	2078.352
119	ST	W24X104	20.00	2078.352
120	ST	W24X104	20.00	2078.352
121	ST	W14X90	30.00	2699.820
122	ST	W14X90	30.00	2699.820
123	ST	W12X50	30.00	1497.636
124	ST	W12X50	30.00	1497.636
125	ST	W12X50	30.00	1497.636
126	ST	W12X50	30.00	1497.636
127	ST	W12X50	30.00	1497.636
128	ST	W12X50	30.00	1497.636
129	ST	W14X90	30.00	2699.820
130	ST	W14X90	30.00	2699.820
131	ST	W14X90	30.00	2699.820
132	LD	L808018	36.06	4097.973
133	LD	L806012	36.06	2433.707
134	ST	W12X50	30.00	1497.636
135	ST	W12X50	30.00	1497.636
136	ST	W24X104	20.00	2078.352
137	ST	W14X90	20.00	1799.880
138	ST	W12X50	30.00	1497.636
139	ST	W12X50	30.00	1497.636
140	ST	W14X99	30.18	2982.952
141	ST	W14X99	30.18	2982.953
142	ST	W24X104	6.67	692.788
143	ST	W14X90	3.33	299.977
144	ST	W14X99	30.18	2982.952
145	ST	W14X99	60.37	5965.905
147	ST	W24X104	6.67	692.788
148	ST	W14X99	30.18	2982.952
149	ST	W14X99	60.37	5965.905
151	ST	W24X104	6.67	692.788
152	ST	W14X99	30.18	2982.952
153	ST	W14X99	60.37	5965.905
155	ST	W24X104	6.67	692.788
156	ST	W14X99	30.18	2982.952
			TOTAL =	332615.550

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

215. PARAMETER 3
216. CODE LRFD
217. STEEL TAKE OFF LIST 1 TO 79 81 TO 84 86 TO 88 94 TO 112 114 TO 145 -

STEEL TAKE-OFF

PROFILE	**LENGTH(FEET)**	**WEIGHT(POUN)**
218. 147 TO 149 151 TO 153 155 156		
ST W14X90	923.33	83094.452
LD L806012	540.83	36505.608
ST W24X104	686.67	71356.764
ST W16X100	630.00	62900.708
ST W14X99	543.32	53693.144
ST W12X50	420.00	20966.903
LD L808018	36.06	4097.973
	TOTAL =	332615.550

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

219. PARAMETER 4
220. CODE LRFD
221. SELECT ALL

STAAD.Pro MEMBER SELECTION - (LRFD 3RD EDITION)
****

ALL UNITS ARE - POUN FEET (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
1	ST W12X87	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.921	15
		463876.22 C	-7274.82	-24075.75	20.00
2	ST W10X49	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.897	11
		237533.27 C	-1859.51	2474.16	0.00
3	LD L80608	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.895	19
		64195.06 C	1036.03	7561.84	0.00
4	ST W21X73	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.998	17
		15897.81 C	-3899.63	-301693.22	0.00
5	ST W18X76	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.965	17
		34394.05 C	-3749.10	-335981.97	0.00
6	LD L80608	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.931	17
		59605.53 C	-5001.44	7071.09	36.06
7	ST W27X84	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.979	9
		34130.77 C	2708.41	439722.09	0.00
8	ST W12X65	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.883	14
		337040.88 C	-1844.01	17490.61	0.00
9	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.578	16
		14691.16 C	-1847.50	18535.91	30.00
10	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.466	8
		8626.44 C	-8978.07	-8782.51	0.00
11	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.476	18
		5357.06 C	5815.54	15521.64	0.00
12	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.470	18
		5292.62 C	11425.55	6843.35	30.00
13	ST W10X39	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.967	18
		11808.37 C	-37165.75	-6141.78	30.00
14	ST W12X65	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.928	15
		332575.25 C	8158.25	19752.26	0.00
15	ST W14X43	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.924	8
		8531.14 T	-6068.13	109846.52	0.00
16	LD L80607	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.637	23
		23456.24 C	-8032.79	4549.57	0.00

ALL UNITS ARE - POUN FEET (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
17	ST W12X35		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.982	17
		7155.87 C	671.68	83995.87	20.00
18	ST W12X40		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.951	17
		25982.45 C	2466.88	98078.30	20.00
19	LD L80607		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.433	24
		16892.56 C	3215.25	5299.90	36.06
20	ST W12X40		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.982	17
		9765.25 C	3981.48	103789.32	20.00
21	ST W12X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.900	14
		330722.09 C	5118.59	-19353.44	20.00
22	ST W10X39		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.979	19
		15454.18 C	-32970.39	-12268.08	0.00
23	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.949	16
		18323.61 C	-16071.69	16967.24	0.00
24	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.585	18
		554.89 T	11966.35	14881.70	0.00
25	ST W8X35		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.993	17
		15284.07 C	-26513.91	17218.96	30.00
26	ST W8X48		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.966	18
		21753.58 C	37658.11	23663.43	0.00
27	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.706	18
		14337.97 C	198.70	29370.62	30.00
28	ST W12X53		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.969	19
		8030.38 C	-60853.71	24604.41	30.00
29	ST W8X35		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.989	16
		19024.94 C	-13004.32	34036.41	30.00
30	ST W12X58		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.952	19
		20031.56 C	-63086.00	29318.19	30.00
31	ST W8X35		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.954	17
		65394.50 C	-19651.36	10413.53	20.00

ALL UNITS ARE - POUN FEET (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
32	ST W12X79	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.947	17
		36174.51 C	-119454.83	-26234.21	0.00
33	ST W10X49	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.971	17
		35344.88 C	-64597.75	-7783.45	20.00
34	ST W8X48	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.997	17
		30100.52 C	52799.98	-6876.22	20.00
35	LD L808010	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.965	17
		114778.99 C	140.14	7287.19	0.00
36	LD L80609	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.947	17
		49936.23 C	15313.38	6968.00	36.06
37	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.355	18
		12326.75 C	-525.13	8887.06	0.00
38	ST W10X49	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.921	17
		4430.61 T	60779.04	14293.38	0.00
39	LD L80607	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.690	19
		27131.21 C	-6555.98	6569.74	0.00
40	LD L80808	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.807	18
		39087.16 C	-21508.99	7439.50	36.06
41	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.589	17
		13688.50 C	-1988.81	20056.21	30.00
42	ST W10X45	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	1.000	17
		14021.38 C	-41042.47	16793.00	30.00
43	ST W12X53	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.988	18
		225441.86 C	-2854.31	37287.43	0.00
44	ST W10X60	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.997	19
		73725.32 C	65996.52	31310.10	0.00
45	ST W12X53	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.963	18
		14187.55 C	-64880.12	18808.79	0.00
46	ST W6X20	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.931	17
		10318.13 C	-6730.84	13191.11	20.00

ALL UNITS ARE - POUN FEET (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
47	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.737	17
		8602.28 C	-9786.58	22744.83	0.00
48	ST W8X35	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.987	7
		9646.11 C	-32330.98	-11225.89	30.00
49	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.702	17
		8030.14 C	4524.66	28850.53	0.00
50	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.985	17
		7773.21 C	-24987.29	-14373.66	30.00
51	ST W12X65	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.887	15
		341061.38 C	1592.50	16468.96	0.00
52	ST W18X76	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.918	18
		45097.46 C	-2170.61	319065.75	0.00
53	LD L80607	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.742	19
		36178.91 C	3630.14	7317.70	0.00
54	ST W12X58	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.972	19
		45861.93 C	-2012.04	180183.70	20.00
55	ST W21X62	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.980	18
		45028.61 C	1482.41	222556.44	20.00
56	LD L80607	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.733	17
		37600.40 C	-2707.60	7242.05	36.06
57	ST W24X84	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.953	19
		75208.81 C	2984.98	351387.44	0.00
58	ST W12X65	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.891	15
		342631.28 C	1274.95	17315.74	0.00
59	ST W10X33	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.979	19
		7898.89 C	20922.03	21522.53	30.00
60	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.772	19
		7252.89 T	-22360.33	9198.17	30.00
61	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.755	19
		5315.40 T	-20963.09	10535.05	30.00

ALL UNITS ARE - POUN FEET (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
62	ST W8X35	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.895	18
		6087.71 T	34924.70	4972.53	30.00
63	ST W10X45	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.965	17
		11583.91 C	-37807.86	20954.26	0.00
64	ST W12X65	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.847	13
		334308.44 C	-3522.94	5967.20	20.00
65	ST W14X43	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.927	16
		16435.96 C	1154.29	-119865.39	0.00
66	LD L80607	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.472	17
		16781.60 C	3114.71	7137.32	36.06
67	ST W16X67	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.983	19
		35369.16 C	1064.95	273686.19	0.00
68	ST W18X76	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.913	18
		33795.13 C	-961.71	326042.50	0.00
69	LD L80607	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.439	19
		20215.74 C	374.23	7160.70	36.06
70	ST W18X55	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.984	19
		23123.09 C	461.56	-183039.86	20.00
71	ST W12X65	(AISC SECTIONS)			
		PASS	LRFD-H1-1A-C	0.887	13
		332797.38 C	2188.53	20587.46	20.00
72	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.745	19
		9542.96 C	2938.21	32935.46	30.00
73	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-T	0.512	18
		7017.92 T	6601.33	18136.20	0.00
74	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.593	19
		1580.74 C	-9439.42	18385.31	30.00
75	ST W8X31	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.836	18
		8529.30 C	19155.62	14375.87	30.00
76	ST W8X40	(AISC SECTIONS)			
		PASS	LRFD-H1-1B-C	0.984	17
		10815.54 C	-26021.07	31372.11	0.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
77	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.917	18
		11887.97 T	-30657.26	-4534.03	0.00
78	ST W12X53		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.950	15
		333230.19 C	12727.82	3463.65	10.00
79	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.843	22
		2987.67 C	27132.18	5373.27	30.18
81	ST W8X18		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.846	18
		5027.30 C	-4807.53	19127.83	6.67
82	ST W8X18		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.839	17
		5477.44 C	-5579.21	16947.72	3.33
83	ST W12X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.917	19
		11254.15 T	-94144.36	22505.75	30.18
84	ST W12X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.875	17
		2168.80 C	93719.73	15526.56	0.00
86	ST W8X35		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.928	16
		5734.85 C	30207.88	20248.25	6.67
87	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.960	17
		5293.77 C	27114.29	18814.60	3.33
88	ST W12X53		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.961	13
		331205.81 C	11383.86	-10782.47	0.00
94	ST W14X48		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.929	19
		9611.73 C	17687.87	-116745.89	0.00
95	ST W14X43		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.913	19
		13900.52 C	12860.85	-109634.09	0.00
96	ST W14X48		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.907	19
		14953.77 C	-12819.75	-129810.27	10.00
97	ST W14X43		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.990	17
		148.59 T	-18334.36	105912.48	0.00
98	ST W12X53		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.997	7
		5602.01 C	-73532.63	-4963.78	30.18

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
99	ST W10X49		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.806	19
		5569.44 C	-48301.25	-18912.02	0.00
100	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.896	18
		3127.77 C	27953.75	7102.90	30.00
101	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.977	19
		1910.39 C	-27028.97	13578.84	30.00
102	ST W10X49		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.868	18
		238.02 C	57360.06	13819.07	30.00
103	ST W12X53		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.984	18
		657.59 C	-71265.95	-9785.14	30.00
104	ST W10X54		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.943	17
		6897.00 C	71771.62	-8484.15	0.00
105	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.503	18
		1116.70 T	0.21	28014.50	30.00
106	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.584	18
		7880.38 C	72.63	28968.15	30.00
107	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.287	18
		21061.25 T	70.17	13966.48	30.00
108	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.695	16
		8213.18 T	-214.99	37771.97	0.00
109	ST W12X53		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.967	11
		253630.84 C	-4812.93	8584.12	0.00
110	ST W10X39		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.909	18
		7479.44 C	-28482.79	-27102.07	0.00
111	LD L80607		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.769	16
		39414.79 C	-766.90	10157.34	36.06
112	LD L80609		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.940	18
		78875.18 C	357.93	8999.80	36.06
114	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.924	19
		66286.36 T	-65141.28	229018.75	20.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
115	ST W18X86		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.875	19
		59533.90 T	-52454.12	186981.00	20.00
116	ST W10X49		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.986	17
		6376.37 C	29311.78	73189.13	30.00
117	ST W24X84		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.997	8
		14593.72 T	-23589.64	315629.62	0.00
118	ST W18X76		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.871	18
		1422.29 T	-17305.64	269221.31	0.00
119	ST W24X104		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.947	9
		23629.37 T	71256.59	344377.59	0.00
120	ST W12X58		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.953	19
		1303.82 T	-30805.35	-122458.41	20.00
121	ST W10X49		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.909	18
		10606.54 C	38122.86	46843.61	30.00
122	ST W12X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.906	19
		19551.04 T	-63359.59	74499.73	30.00
123	ST W10X39		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.926	7
		17638.80 C	-21473.67	-25685.58	0.00
124	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.408	18
		11668.92 C	6234.70	8204.35	30.00
125	ST W8X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.315	19
		4954.73 T	-5310.36	9247.23	30.00
126	ST W10X39		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.999	19
		5990.11 C	-7646.88	66643.88	0.00
127	ST W10X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.990	18
		8106.44 C	11023.44	78029.99	0.00
128	ST W14X43		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.967	19
		6985.64 C	-13017.49	60257.77	0.00
129	ST W12X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.853	18
		58922.45 T	-37345.35	103502.23	30.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
130	ST W12X58		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.991	7
		44606.97 C	33214.23	-78758.93	0.00
131	ST W18X76		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.893	19
		14428.13 T	-32673.28	181341.55	0.00
132	LD L808016		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.957	19
		120556.05 C	-24663.77	16835.70	0.00
133	LD L808010		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.989	18
		102620.01 C	-6450.21	9874.19	36.06
134	ST W8X35		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.956	18
		35308.54 C	2991.20	29600.28	30.00
135	ST W8X35		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.965	18
		35308.19 C	-3752.73	29038.78	30.00
136	ST W18X86		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.897	19
		16522.71 C	57023.36	-189482.52	20.00
137	ST W12X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.819	8
		2814.61 T	-59055.69	-75573.55	20.00
138	ST W10X39		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.816	17
		8499.62 T	-5052.23	58501.05	30.00
139	ST W10X33		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.973	18
		6348.90 T	6610.34	48011.05	30.00
140	ST W10X49		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.967	22
		26216.99 C	-36315.76	50527.91	0.00
141	ST W8X48		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.971	17
		32520.95 C	22720.42	36752.76	0.00
142	ST W14X48		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.970	23
		7528.38 C	13557.11	148038.41	6.67
143	ST W10X22		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.952	23
		3732.65 C	54.61	65870.98	0.00
144	ST W10X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.975	8
		21697.38 T	-41034.78	-19837.15	30.18

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
145	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.636	19
		14418.29 C	-30944.73	106327.45	60.37
147	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.997	18
		2289.90 T	-12.49	220092.33	0.00
148	ST W12X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.914	17
		7565.98 C	30385.89	136060.09	0.00
149	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.686	19
		16359.02 C	-30240.88	117724.68	60.37
151	ST W21X48		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.871	18
		3713.07 T	3.13	250459.84	0.00
152	ST W12X72		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.900	17
		10078.11 C	29971.91	157993.98	0.00
153	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.613	19
		9056.74 C	-28433.83	108241.07	60.37
155	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.890	19
		86.41 C	-0.36	196977.67	0.00
156	ST W12X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.881	19
		8076.73 T	51323.29	92675.06	30.18

********** END OF TABULATED RESULT OF DESIGN **********

222. PARAMETER 5
223. CODE LRFD
224. STEEL TAKE OFF LIST 1 TO 79 81 TO 84 86 TO 88 94 TO 112 114 TO 145 -

STEEL TAKE-OFF

PROFILE	**LENGTH(FEET)**	**WEIGHT(POUN)**
225. 147 TO 149 151 TO 153 155 156		
ST W12X87	20.00	1738.752
ST W10X49	220.18	10767.555
LD L80608	72.11	3306.002
ST W21X73	20.00	1460.280
ST W18X76	110.00	8330.387
ST W27X84	20.00	1684.416
ST W12X65	340.74	22101.523
ST W8X31	843.70	26159.401
ST W10X39	170.00	6639.180
ST W14X43	90.00	3851.064
LD L80607	288.44	11637.127
ST W12X35	20.00	699.576
ST W12X40	40.00	1602.912
ST W8X35	206.67	7228.953
ST W8X48	80.18	3839.528
ST W12X53	170.18	9015.972
ST W12X58	100.00	5773.200
ST W12X79	20.00	1575.744
LD L808010	72.11	4706.278
LD L80609	72.11	3705.171
LD L80808	36.06	1897.890
ST W10X45	120.18	5428.354
ST W10X60	20.00	1195.392
ST W6X20	20.00	398.690
ST W21X62	20.00	1242.936
ST W24X84	40.00	3355.248
ST W10X33	60.00	1978.509
ST W16X67	20.00	1338.024
ST W18X55	20.00	1100.304
ST W8X40	30.00	1191.996
ST W8X18	10.00	178.630
ST W14X48	26.67	1276.898
ST W10X54	30.18	1619.610
ST W14X90	201.11	18098.486
ST W18X86	40.00	3436.752
ST W24X104	20.00	2078.352
LD L808016	36.06	3673.336
ST W10X22	3.33	73.466
ST W16X45	13.33	602.227
ST W21X48	6.67	319.226
ST W12X72	30.18	2162.897
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	TOTAL =	188470.242

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

226. FINISH

****
WARNING SOME MEMBER SIZES HAVE CHANGED SINCE LAST ANALYSIS.
IN THE POST PROCESSOR, MEMBER QUERIES WILL USE THE LAST
ANALYSIS FORCES WITH THE UPDATED MEMBER SIZES.
TO CORRECT THIS INCONSISTENCY, PLEASE DO ONE MORE ANALYSIS.
FROM THE UPPER MENU, PRESS RESULTS, UPDATE PROPERTIES, THEN
FILE SAVE; THEN ANALYZE AGAIN WITHOUT THE GROUP OR SELECT
COMMANDS.
****

********** END OF THE STAAD.Pro RUN **********

**** DATE= MAR 26,2017 TIME= 13:48: 9 ****