

■ 청도2교 대구방향(S5~S7) 상부 input

< BEFORE COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT			
1	X= 0.000	Y=0.000	Z=0.000
2	X= 4.463	Y=-0.238	Z=-0.116
3	X= 9.422	Y=-0.486	Z=-0.244
4	X= 14.382	Y=-0.718	Z=-0.373
5	X= 19.343	Y=-0.933	Z=-0.501
6	X= 24.305	Y=-1.132	Z=-0.630
7	X= 29.267	Y=-1.314	Z=-0.758
8	X= 34.230	Y=-1.480	Z=-0.887
9	X= 39.194	Y=-1.629	Z=-1.015
10	X= 44.158	Y=-1.762	Z=-1.144
11	X= 49.122	Y=-1.878	Z=-1.272
12	X= 54.087	Y=-1.977	Z=-1.401
13	X= 59.052	Y=-2.060	Z=-1.529
14	X= 64.017	Y=-2.127	Z=-1.658
15	X= 68.982	Y=-2.177	Z=-1.786
16	X= 73.948	Y=-2.210	Z=-1.915
17	X= 78.913	Y=-2.227	Z=-2.043
18	X= 83.879	Y=-2.227	Z=-2.172
19	X= 88.845	Y=-2.210	Z=-2.300
20	X= 93.810	Y=-2.178	Z=-2.429
21	X= 98.776	Y=-2.128	Z=-2.557
22	X= 103.741	Y=-2.062	Z=-2.686
23	X= 108.706	Y=-1.980	Z=-2.815
24	X= 113.671	Y=-1.880	Z=-2.943
25	X= 118.635	Y=-1.765	Z=-3.072
26	X= 123.599	Y=-1.633	Z=-3.200
27	X= 128.562	Y=-1.484	Z=-3.329
28	X= 133.525	Y=-1.319	Z=-3.457
29	X= 138.488	Y=-1.137	Z=-3.586
30	X= 143.449	Y=-0.938	Z=-3.714
31	X= 148.410	Y=-0.724	Z=-3.843
32	X= 153.370	Y=-0.492	Z=-3.971
33	X= 158.330	Y=-0.244	Z=-4.100
34	X= 162.793	Y=-0.007	Z=-4.215
35	X= -0.437	Y=-7.988	Z=0.400
36	X= 4.049	Y=-8.227	Z=0.284
37	X= 9.035	Y=-8.477	Z=0.156
38	X= 14.022	Y=-8.710	Z=0.027
39	X= 19.010	Y=-8.926	Z=-0.101
40	X= 23.998	Y=-9.126	Z=-0.230
41	X= 28.987	Y=-9.309	Z=-0.358
42	X= 33.977	Y=-9.476	Z=-0.487
43	X= 38.967	Y=-9.626	Z=-0.615
44	X= 43.957	Y=-9.759	Z=-0.744
45	X= 48.948	Y=-9.876	Z=-0.872
46	X= 53.940	Y=-9.976	Z=-1.001
47	X= 58.931	Y=-10.059	Z=-1.129
48	X= 63.923	Y=-10.126	Z=-1.258
49	X= 68.915	Y=-10.176	Z=-1.386
50	X= 73.907	Y=-10.210	Z=-1.515
51	X= 78.900	Y=-10.227	Z=-1.643
52	X= 83.892	Y=-10.227	Z=-1.772
53	X= 88.884	Y=-10.210	Z=-1.900
54	X= 93.877	Y=-10.177	Z=-2.029
55	X= 98.869	Y=-10.128	Z=-2.157
56	X= 103.861	Y=-10.061	Z=-2.286
57	X= 108.852	Y=-9.978	Z=-2.415
58	X= 113.844	Y=-9.879	Z=-2.543
59	X= 118.835	Y=-9.762	Z=-2.672
60	X= 123.825	Y=-9.629	Z=-2.800
61	X= 128.815	Y=-9.480	Z=-2.929
62	X= 133.805	Y=-9.314	Z=-3.057
63	X= 138.794	Y=-9.131	Z=-3.186
64	X= 143.782	Y=-8.931	Z=-3.314
65	X= 148.770	Y=-8.715	Z=-3.443
66	X= 153.757	Y=-8.483	Z=-3.571
67	X= 158.743	Y=-8.233	Z=-3.700
68	X= 163.230	Y=-7.995	Z=-3.815
69	X= -0.219	Y=-3.994	Z=0.200
70	X= 4.256	Y=-4.232	Z=0.084
71	X= 9.229	Y=-4.481	Z=-0.044
72	X= 14.202	Y=-4.714	Z=-0.173
73	X= 19.177	Y=-4.930	Z=-0.301
74	X= 24.152	Y=-5.129	Z=-0.430
75	X= 29.127	Y=-5.312	Z=-0.558
76	X= 34.104	Y=-5.478	Z=-0.687
77	X= 39.080	Y=-5.628	Z=-0.815
78	X= 44.058	Y=-5.760	Z=-0.944
79	X= 49.035	Y=-5.877	Z=-1.072
80	X= 54.013	Y=-5.977	Z=-1.201
81	X= 58.991	Y=-6.060	Z=-1.329
82	X= 63.970	Y=-6.126	Z=-1.458
83	X= 68.949	Y=-6.176	Z=-1.586
84	X= 73.928	Y=-6.210	Z=-1.715
85	X= 78.907	Y=-6.227	Z=-1.843
86	X= 83.886	Y=-6.227	Z=-1.972
87	X= 88.865	Y=-6.210	Z=-2.100

88	X= 93.843	Y=-6.177	Z=-2.229
89	X= 98.822	Y=-6.128	Z=-2.357
90	X= 103.801	Y=-6.062	Z=-2.486
91	X= 108.779	Y=-5.979	Z=-2.615
92	X= 113.757	Y=-5.880	Z=-2.743
93	X= 118.735	Y=-5.764	Z=-2.872
94	X= 123.712	Y=-5.631	Z=-3.000
95	X= 128.689	Y=-5.482	Z=-3.129
96	X= 133.665	Y=-5.316	Z=-3.257
97	X= 138.641	Y=-5.134	Z=-3.386
98	X= 143.616	Y=-4.935	Z=-3.514
99	X= 148.590	Y=-4.719	Z=-3.643
100	X= 153.564	Y=-4.487	Z=-3.771
101	X= 158.536	Y=-4.239	Z=-3.900
102	X= 163.011	Y=-4.001	Z=-4.015
103	X= 0.000	Y=0.000	Z=-1.200
104	X= 54.087	Y=-1.977	Z=-2.701
105	X= 108.706	Y=-1.980	Z=-4.115
106	X= 162.793	Y=-0.007	Z=-5.415
107	X= -0.437	Y=-7.988	Z=-0.800
108	X= 53.940	Y=-9.976	Z=-2.301
109	X= 108.852	Y=-9.978	Z=-3.715
110	X= 163.230	Y=-7.995	Z=-5.015

LOCAL			
ADD= 103	ANG=-5.238		
ADD= 104	ANG=-8.312		
ADD= 105	ANG=1.048		
ADD= 106	ANG=10.473		
ADD= 107	ANG=-1.043		
ADD= 108	ANG=-0.002		
ADD= 109	ANG=1.048		
ADD= 110	ANG=2.089		

RESTRAINT			
ADD= 103	DOF=	U3,	
ADD= 104	DOF=	U3,	
ADD= 105	DOF= U1,	U3,	
ADD= 106	DOF=	U3,	
ADD= 107	DOF=	U2, U3,	
ADD= 108	DOF=	U2, U3,	
ADD= 109	DOF= U1, U2, U3,		
ADD= 110	DOF=	U2, U3,	

MATERIAL			
Name=1			
E=2.1e+008			
Name=2			
E=2.1e+008			
Name=3			
E=2.1e+008			
Name=4			
E=2.1e+008			
Name=5			
E=2.1e+008			
Name=6			
E=2.1e+008			
Name=7			
E=2.1e+008			
Name=8			
E=2.1e+008			
Name=9			
E=2.1e+008			
Name=10			
E=2.1e+008			
Name=11			
E=2.1e+008			
Name=12			
E=2.1e+008			
Name=13			
E=2.1e+008			
Name=14			
E=2.1e+008			
Name=15			
E=2.1e+008			

FRAME SECTION			
Name= 1	Mat= 1	A=0.12630	I=0.12429233,
0.12367176	J=0.16215595		
Name= 2	Mat= 2	A=0.13110	I=0.14874824,
0.13124400	J=0.18342365		
Name= 3	Mat= 3	A=0.13650	I=0.15687963,
0.13452450	J=0.19211020		
Name= 4	Mat= 4	A=0.17970	I=0.23220652,
0.16076850	J=0.24464268		
Name= 5	Mat= 5	A=0.15270	I=0.18613754,
0.14436600	J=0.21504832		
Name= 6	Mat= 6	A=0.14280	I=0.16759843,
0.13452450	J=0.19211020		
Name= 7	Mat= 7	A=0.18510	I=0.24000115,
0.16404900	J=0.25095654		
Name= 8	Mat= 8	A=0.24450	I=0.34604317,
0.20013450	J=0.29084341		
Name= 9	Mat= 9	A=0.19140	I=0.25101359,
0.16404900	J=0.25095654		
Name= 10	Mat= 10	A=0.14730	I=0.17707150,
0.14108550	J=0.20908017		

Name= 11	Mat= 11	A=0.03120	I=0.01528675,
0.00005429	J=0.00000150		
Name= 12	Mat= 12	A=0.02520	I=0.00749015,
0.00005422	J=0.00000121		
Name= 13	Mat= 13	A=0.01100	I=0.00064517,
0.00002609	J=0.00000037		
Name= 14	Mat= 14	A=0.01300	I=0.00124683,
0.00002611	J=0.00000043		
Name= 15	Mat= 15	A=10.00000	I=10.00000000,
10.00000000	J=10.00000000		
Name= 16	Type=Nonpr	Sec= 1,	2 Eivar=2,1
Name= 17	Type=Nonpr	Sec= 2,	1
Name= 18	Type=Nonpr	Sec= 2,	3
Name= 19	Type=Nonpr	Sec= 3,	2
Name= 20	Type=Nonpr	Sec= 3,	4
Name= 21	Type=Nonpr	Sec= 4,	3
Name= 22	Type=Nonpr	Sec= 4,	5
Name= 23	Type=Nonpr	Sec= 5,	4
Name= 24	Type=Nonpr	Sec= 5,	6
Name= 25	Type=Nonpr	Sec= 6,	5
Name= 26	Type=Nonpr	Sec= 6,	7
Name= 27	Type=Nonpr	Sec= 6,	9
Name= 28	Type=Nonpr	Sec= 6,	10
Name= 29	Type=Nonpr	Sec= 7,	6
Name= 30	Type=Nonpr	Sec= 7,	8
Name= 31	Type=Nonpr	Sec= 8,	7
Name= 32	Type=Nonpr	Sec= 8,	9
Name= 33	Type=Nonpr	Sec= 9,	6
Name= 34	Type=Nonpr	Sec= 9,	8
Name= 35	Type=Nonpr	Sec= 10,	6

FRAME			
1	J= 1,	2	Sec=16 Local=12 Pldir=+Z,+X
NSEG=4			
2	J= 2,	3	Sec=18
3	J= 3,	4	Sec=20
4	J= 4,	5	Sec= 4
5	J= 5,	6	Sec= 4
6	J= 6,	7	Sec= 4
7	J= 7,	8	Sec=22
8	J= 8,	9	Sec=24
9	J= 9,	10	Sec= 6
10	J= 10,	11	Sec=26
11	J= 11,	12	Sec=30
12	J= 12,	13	Sec= 8
13	J= 13,	14	Sec=32
14	J= 14,	15	Sec=33
15	J= 15,	16	Sec=28
16	J= 16,	17	Sec=10
17	J= 17,	18	Sec=10
18	J= 18,	19	Sec=10
19	J= 19,	20	Sec=35
20	J= 20,	21	Sec=27
21	J= 21,	22	Sec=34
22	J= 22,	23	Sec= 8
23	J= 23,	24	Sec=31
24	J= 24,	25	Sec=29
25	J= 25,	26	Sec= 6
26	J= 26,	27	Sec=25
27	J= 27,	28	Sec=23
28	J= 28,	29	Sec= 4
29	J= 29,	30	Sec= 4
30	J= 30,	31	Sec= 4
31	J= 31,	32	Sec=21
32	J= 32,	33	Sec=19
33	J= 33,	34	Sec=17
34	J= 35,	36	Sec=16
35	J= 36,	37	Sec=18
36	J= 37,	38	Sec=20
37	J= 38,	39	Sec= 4
38	J= 39,	40	Sec= 4
39	J= 40,	41	Sec= 4
40	J= 41,	42	Sec=22
41	J= 42,	43	Sec=24
42	J= 43,	44	Sec= 6
43	J= 44,	45	Sec=26
44	J= 45,	46	Sec=30
45	J= 46,	47	Sec= 8
46	J= 47,	48	Sec=32
47	J= 48,	49	Sec=33
48	J= 49,	50	Sec=28
49	J= 50,	51	Sec=10
50	J= 51,	52	Sec=10
51	J= 52,	53	Sec=10
52	J= 53,	54	Sec=35
53	J= 54,	55	Sec=27
54	J= 55,	56	Sec=34
55	J= 56,	57	Sec= 8
56	J= 57,	58	Sec=31
57	J= 58,	59	Sec=29
58	J= 59,	60	Sec= 6
59	J= 60,	61	Sec=25
60	J= 61,	62	Sec=23
61	J= 62,	63	Sec= 4
62	J= 63,	64	Sec= 4
63	J= 64,	65	Sec= 4
64	J= 65,	66	Sec=21

65 J= 66, 67 Sec=19
66 J= 67, 68 Sec=17
67 J= 1, 69 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
68 J= 69, 35 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
69 J= 2, 70 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
70 J= 70, 36 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
71 J= 3, 71 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
72 J= 71, 37 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
73 J= 4, 72 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
74 J= 72, 38 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
75 J= 5, 73 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
76 J= 73, 39 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
77 J= 6, 74 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
78 J= 74, 40 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
79 J= 7, 75 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
80 J= 75, 41 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
81 J= 8, 76 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
82 J= 76, 42 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
83 J= 9, 77 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
84 J= 77, 43 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
85 J= 10, 78 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
86 J= 78, 44 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
87 J= 11, 79 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
88 J= 79, 45 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
89 J= 12, 80 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
90 J= 80, 46 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
91 J= 13, 81 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
92 J= 81, 47 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
93 J= 14, 82 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
94 J= 82, 48 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
95 J= 15, 83 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
96 J= 83, 49 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
97 J= 16, 84 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
98 J= 84, 50 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
99 J= 17, 85 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
100 J= 85, 51 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
101 J= 18, 86 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
102 J= 86, 52 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
103 J= 19, 87 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
104 J= 87, 53 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
105 J= 20, 88 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
106 J= 88, 54 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
107 J= 21, 89 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
108 J= 89, 55 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
109 J= 22, 90 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
110 J= 90, 56 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
111 J= 23, 91 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
112 J= 91, 57 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
113 J= 24, 92 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
114 J= 92, 58 Sec=12 IOFF=0.000 JOFF=1.250

RIGID=1.0
115 J= 25, 93 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
116 J= 93, 59 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
117 J= 26, 94 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
118 J= 94, 60 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
119 J= 27, 95 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
120 J= 95, 61 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
121 J= 28, 96 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
122 J= 96, 62 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
123 J= 29, 97 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
124 J= 97, 63 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
125 J= 30, 98 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
126 J= 98, 64 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
127 J= 31, 99 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
128 J= 99, 65 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
129 J= 32, 100 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
130 J=100, 66 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
131 J= 33, 101 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
132 J=101, 67 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
133 J= 34, 102 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
134 J=102, 68 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
135 J= 69, 70 Sec=13
136 J= 70, 71 Sec=14
137 J= 71, 72 Sec=14
138 J= 72, 73 Sec=14
139 J= 73, 74 Sec=14
140 J= 74, 75 Sec=14
141 J= 75, 76 Sec=14
142 J= 76, 77 Sec=14
143 J= 77, 78 Sec=14
144 J= 78, 79 Sec=14
145 J= 79, 80 Sec=14
146 J= 80, 81 Sec=14
147 J= 81, 82 Sec=14
148 J= 82, 83 Sec=14
149 J= 83, 84 Sec=14
150 J= 84, 85 Sec=14
151 J= 85, 86 Sec=14
152 J= 86, 87 Sec=14
153 J= 87, 88 Sec=14
154 J= 88, 89 Sec=14
155 J= 89, 90 Sec=14
156 J= 90, 91 Sec=14
157 J= 91, 92 Sec=14
158 J= 92, 93 Sec=14
159 J= 93, 94 Sec=14
160 J= 94, 95 Sec=14
161 J= 95, 96 Sec=14
162 J= 96, 97 Sec=14
163 J= 97, 98 Sec=14
164 J= 98, 99 Sec=14
165 J= 99, 100 Sec=14
166 J=100, 101 Sec=14
167 J=101, 102 Sec=13
168 J= 1, 103 Sec=15
169 J= 12, 104 Sec=15
170 J= 23, 105 Sec=15
171 J= 34, 106 Sec=15
172 J= 35, 107 Sec=15
173 J= 46, 108 Sec=15
174 J= 57, 109 Sec=15
175 J= 68, 110 Sec=15

LOAD
Name=STEEL : STEEL SELF-WEIGHT LOAD
Type=Distributed Span
Add= 1 RD=0.000, 1.000 Uzp=-13.852, -14.379
Add= 2 RD=0.000, 1.000 Uzp=-14.379, -14.971
Add= 3 RD=0.000, 1.000 Uzp=-14.971, -19.709
Add= 4 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 5 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 6 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 7 RD=0.000, 1.000 Uzp=-19.709, -16.748
Add= 8 RD=0.000, 1.000 Uzp=-16.748, -15.662
Add= 9 RD=0.000, 1.000 Uzp=-15.662, -15.662
Add= 10 RD=0.000, 1.000 Uzp=-15.662, -20.301
Add= 11 RD=0.000, 1.000 Uzp=-20.301, -26.816

Add= 12 RD=0.000, 1.000 Uzp=-26.816, -26.816
Add= 13 RD=0.000, 1.000 Uzp=-26.816, -20.992
Add= 14 RD=0.000, 1.000 Uzp=-20.992, -15.662
Add= 15 RD=0.000, 1.000 Uzp=-15.662, -16.155
Add= 16 RD=0.000, 1.000 Uzp=-16.155, -16.155
Add= 17 RD=0.000, 1.000 Uzp=-16.155, -16.155
Add= 18 RD=0.000, 1.000 Uzp=-16.155, -16.155
Add= 19 RD=0.000, 1.000 Uzp=-16.155, -15.662
Add= 20 RD=0.000, 1.000 Uzp=-15.662, -20.992
Add= 21 RD=0.000, 1.000 Uzp=-20.992, -26.816
Add= 22 RD=0.000, 1.000 Uzp=-26.816, -26.816
Add= 23 RD=0.000, 1.000 Uzp=-26.816, -20.301
Add= 24 RD=0.000, 1.000 Uzp=-20.301, -15.662
Add= 25 RD=0.000, 1.000 Uzp=-15.662, -15.662
Add= 26 RD=0.000, 1.000 Uzp=-15.662, -16.748
Add= 27 RD=0.000, 1.000 Uzp=-16.748, -19.709
Add= 28 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 29 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 30 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 31 RD=0.000, 1.000 Uzp=-19.709, -14.971
Add= 32 RD=0.000, 1.000 Uzp=-14.971, -14.379
Add= 33 RD=0.000, 1.000 Uzp=-14.379, -13.852
Add= 34 RD=0.000, 1.000 Uzp=-13.852, -14.379
Add= 35 RD=0.000, 1.000 Uzp=-14.379, -14.971
Add= 36 RD=0.000, 1.000 Uzp=-14.971, -19.709
Add= 37 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 38 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 39 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 40 RD=0.000, 1.000 Uzp=-19.709, -16.748
Add= 41 RD=0.000, 1.000 Uzp=-16.748, -15.662
Add= 42 RD=0.000, 1.000 Uzp=-15.662, -15.662
Add= 43 RD=0.000, 1.000 Uzp=-15.662, -20.301
Add= 44 RD=0.000, 1.000 Uzp=-20.301, -26.816
Add= 45 RD=0.000, 1.000 Uzp=-26.816, -26.816
Add= 46 RD=0.000, 1.000 Uzp=-26.816, -20.992
Add= 47 RD=0.000, 1.000 Uzp=-20.992, -15.662
Add= 48 RD=0.000, 1.000 Uzp=-15.662, -16.155
Add= 49 RD=0.000, 1.000 Uzp=-16.155, -16.155
Add= 50 RD=0.000, 1.000 Uzp=-16.155, -16.155
Add= 51 RD=0.000, 1.000 Uzp=-16.155, -16.155
Add= 52 RD=0.000, 1.000 Uzp=-16.155, -15.662
Add= 53 RD=0.000, 1.000 Uzp=-15.662, -20.992
Add= 54 RD=0.000, 1.000 Uzp=-20.992, -26.816
Add= 55 RD=0.000, 1.000 Uzp=-26.816, -26.816
Add= 56 RD=0.000, 1.000 Uzp=-26.816, -20.301
Add= 57 RD=0.000, 1.000 Uzp=-20.301, -15.662
Add= 58 RD=0.000, 1.000 Uzp=-15.662, -15.662
Add= 59 RD=0.000, 1.000 Uzp=-15.662, -16.748
Add= 60 RD=0.000, 1.000 Uzp=-16.748, -19.709
Add= 61 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 62 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 63 RD=0.000, 1.000 Uzp=-19.709, -19.709
Add= 64 RD=0.000, 1.000 Uzp=-19.709, -14.971
Add= 65 RD=0.000, 1.000 Uzp=-14.971, -14.379
Add= 66 RD=0.000, 1.000 Uzp=-14.379, -13.852
Add= 67 RD=0.000, 1.000 Uzp=-3.422, -3.422
Add= 68 RD=0.000, 1.000 Uzp=-3.422, -3.422
Add= 69 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 70 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 71 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 72 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 73 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 74 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 75 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 76 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 77 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 78 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 79 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 80 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 81 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 82 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 83 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 84 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 85 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 86 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 87 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 88 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 89 RD=0.000, 1.000 Uzp=-3.422, -3.422
Add= 90 RD=0.000, 1.000 Uzp=-3.422, -3.422
Add= 91 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 92 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 93 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 94 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 95 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 96 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 97 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 98 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add= 99 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=100 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=101 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=102 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=103 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=104 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=105 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=106 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=107 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=108 RD=0.000, 1.000 Uzp=-2.764, -2.764

Add=109 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=110 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=111 RD=0.000, 1.000 Uzp=-3.422, -3.422
Add=112 RD=0.000, 1.000 Uzp=-3.422, -3.422
Add=113 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=114 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=115 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=116 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=117 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=118 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=119 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=120 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=121 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=122 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=123 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=124 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=125 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=126 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=127 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=128 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=129 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=130 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=131 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=132 RD=0.000, 1.000 Uzp=-2.764, -2.764
Add=133 RD=0.000, 1.000 Uzp=-3.422, -3.422
Add=134 RD=0.000, 1.000 Uzp=-3.422, -3.422
Add=135 RD=0.000, 1.000 Uzp=-1.206, -1.206
Add=136 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=137 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=138 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=139 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=140 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=141 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=142 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=143 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=144 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=145 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=146 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=147 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=148 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=149 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=150 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=151 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=152 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=153 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=154 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=155 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=156 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=157 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=158 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=159 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=160 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=161 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=162 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=163 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=164 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=165 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=166 RD=0.000, 1.000 Uzp=-1.426, -1.426
Add=167 RD=0.000, 1.000 Uzp=-1.206, -1.206

Name=CONC : SLAB SELF-WEIGHT LOAD

Type=Distributed Span

Add= 1 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 2 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 3 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 4 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 5 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 6 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 7 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 8 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 9 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 10 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 11 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 12 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 13 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 14 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 15 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 16 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 17 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 18 RD=0.000, 1.000 Uzp=-41.574, -41.574

R1=7.648, 7.648
Add= 19 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 20 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 21 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 22 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 23 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 24 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 25 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 26 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 27 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 28 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 29 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 30 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 31 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 32 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 33 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 34 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 35 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 36 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 37 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 38 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 39 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 40 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 41 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 42 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 43 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 44 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 45 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 46 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 47 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 48 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 49 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 50 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 51 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 52 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 53 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 54 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 55 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 56 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 57 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 58 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 59 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 60 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 61 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 62 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 63 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 64 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 65 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 66 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877

Add=135 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=136 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=137 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=138 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=139 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=140 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=141 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=142 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=143 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=144 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=145 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=146 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=147 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=148 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=149 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=150 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=151 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=152 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=153 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=154 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=155 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=156 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=157 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=158 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=159 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=160 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=161 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=162 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=163 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=164 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=165 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=166 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=167 RD=0.000, 1.000 Uzp=-18.801, -18.801

OUTPUT

Elem=Joint Type=Disp,REAC Load=**
Elem=Frame Type=Force Load=**

< AFTER COMPOSITE SELF-WEIGHT LOAD >

SYSTEM

LENGTH=M FORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.463 Y=-0.238 Z=-0.116
3 X= 9.422 Y=-0.486 Z=-0.244
4 X= 14.382 Y=-0.718 Z=-0.373
5 X= 19.343 Y=-0.933 Z=-0.501
6 X= 24.305 Y=-1.132 Z=-0.630
7 X= 29.267 Y=-1.314 Z=-0.758
8 X= 34.230 Y=-1.480 Z=-0.887
9 X= 39.194 Y=-1.629 Z=-1.015
10 X= 44.158 Y=-1.762 Z=-1.144
11 X= 49.122 Y=-1.878 Z=-1.272
12 X= 54.087 Y=-1.977 Z=-1.401
13 X= 59.052 Y=-2.060 Z=-1.529
14 X= 64.017 Y=-2.127 Z=-1.658
15 X= 68.982 Y=-2.177 Z=-1.786
16 X= 73.948 Y=-2.210 Z=-1.915
17 X= 78.913 Y=-2.227 Z=-2.043
18 X= 83.879 Y=-2.227 Z=-2.172
19 X= 88.845 Y=-2.210 Z=-2.300
20 X= 93.810 Y=-2.178 Z=-2.429
21 X= 98.776 Y=-2.128 Z=-2.557
22 X= 103.741 Y=-2.062 Z=-2.686
23 X= 108.706 Y=-1.980 Z=-2.815
24 X= 113.671 Y=-1.880 Z=-2.943
25 X= 118.635 Y=-1.765 Z=-3.072
26 X= 123.599 Y=-1.633 Z=-3.200
27 X= 128.562 Y=-1.484 Z=-3.329
28 X= 133.525 Y=-1.319 Z=-3.457
29 X= 138.488 Y=-1.137 Z=-3.586
30 X= 143.449 Y=-0.938 Z=-3.714
31 X= 148.410 Y=-0.724 Z=-3.843
32 X= 153.370 Y=-0.492 Z=-3.971
33 X= 158.330 Y=-0.244 Z=-4.100
34 X= 162.793 Y=-0.007 Z=-4.215
35 X= -0.437 Y=-7.988 Z=0.400
36 X= 4.049 Y=-8.227 Z=0.284
37 X= 9.035 Y=-8.477 Z=0.156
38 X= 14.022 Y=-8.710 Z=0.027
39 X= 19.010 Y=-8.926 Z=-0.101
40 X= 23.998 Y=-9.126 Z=-0.230
41 X= 28.987 Y=-9.309 Z=-0.358
42 X= 33.977 Y=-9.476 Z=-0.487
43 X= 38.967 Y=-9.626 Z=-0.615
44 X= 43.957 Y=-9.759 Z=-0.744
45 X= 48.948 Y=-9.876 Z=-0.872
46 X= 53.940 Y=-9.976 Z=-1.001
47 X= 58.931 Y=-10.059 Z=-1.129
48 X= 63.923 Y=-10.126 Z=-1.258
49 X= 68.915 Y=-10.176 Z=-1.386
50 X= 73.907 Y=-10.210 Z=-1.515
51 X= 78.900 Y=-10.227 Z=-1.643
52 X= 83.892 Y=-10.227 Z=-1.772

53 X= 88.884 Y=-10.210 Z=-1.900
54 X= 93.877 Y=-10.177 Z=-2.029
55 X= 98.869 Y=-10.128 Z=-2.157
56 X= 103.861 Y=-10.061 Z=-2.286
57 X= 108.852 Y=-9.978 Z=-2.415
58 X= 113.844 Y=-9.879 Z=-2.543
59 X= 118.835 Y=-9.762 Z=-2.672
60 X= 123.825 Y=-9.629 Z=-2.800
61 X= 128.815 Y=-9.480 Z=-2.929
62 X= 133.805 Y=-9.314 Z=-3.057
63 X= 138.794 Y=-9.131 Z=-3.186
64 X= 143.782 Y=-8.931 Z=-3.314
65 X= 148.770 Y=-8.715 Z=-3.443
66 X= 153.757 Y=-8.483 Z=-3.571
67 X= 158.743 Y=-8.233 Z=-3.700
68 X= 163.230 Y=-7.995 Z=-3.815
69 X= -0.219 Y=-3.994 Z=0.200
70 X= 4.256 Y=-4.232 Z=0.084
71 X= 9.229 Y=-4.481 Z=-0.044
72 X= 14.202 Y=-4.714 Z=-0.173
73 X= 19.177 Y=-4.930 Z=-0.301
74 X= 24.152 Y=-5.129 Z=-0.430
75 X= 29.127 Y=-5.312 Z=-0.558
76 X= 34.104 Y=-5.478 Z=-0.687
77 X= 39.080 Y=-5.628 Z=-0.815
78 X= 44.058 Y=-5.760 Z=-0.944
79 X= 49.035 Y=-5.877 Z=-1.072
80 X= 54.013 Y=-5.977 Z=-1.201
81 X= 58.991 Y=-6.060 Z=-1.329
82 X= 63.970 Y=-6.126 Z=-1.458
83 X= 68.949 Y=-6.176 Z=-1.586
84 X= 73.928 Y=-6.210 Z=-1.715
85 X= 78.907 Y=-6.227 Z=-1.843
86 X= 83.886 Y=-6.227 Z=-1.972
87 X= 88.865 Y=-6.210 Z=-2.100
88 X= 93.843 Y=-6.177 Z=-2.229
89 X= 98.822 Y=-6.128 Z=-2.357
90 X= 103.801 Y=-6.062 Z=-2.486
91 X= 108.779 Y=-5.979 Z=-2.615
92 X= 113.757 Y=-5.880 Z=-2.743
93 X= 118.735 Y=-5.764 Z=-2.872
94 X= 123.712 Y=-5.631 Z=-3.000
95 X= 128.689 Y=-5.482 Z=-3.129
96 X= 133.665 Y=-5.316 Z=-3.257
97 X= 138.641 Y=-5.134 Z=-3.386
98 X= 143.616 Y=-4.935 Z=-3.514
99 X= 148.590 Y=-4.719 Z=-3.643
100 X= 153.564 Y=-4.487 Z=-3.771
101 X= 158.536 Y=-4.239 Z=-3.900
102 X= 163.011 Y=-4.001 Z=-4.015
103 X= 0.000 Y=0.000 Z=-1.200
104 X= 54.087 Y=-1.977 Z=-2.701
105 X= 108.706 Y=-1.980 Z=-4.115
106 X= 162.793 Y=-0.007 Z=-5.415
107 X= -0.437 Y=-7.988 Z=-0.800
108 X= 53.940 Y=-9.976 Z=-2.301
109 X= 108.852 Y=-9.978 Z=-3.715
110 X= 163.230 Y=-7.995 Z=-5.015

LOCAL

ADD= 103 ANG=-5.238
ADD= 104 ANG=-8.312
ADD= 105 ANG=1.048
ADD= 106 ANG=10.473
ADD= 107 ANG=-1.043
ADD= 108 ANG=-0.002
ADD= 109 ANG=1.048
ADD= 110 ANG=2.089

RESTRAINT

ADD= 103 DOF= U3,
ADD= 104 DOF= U3,
ADD= 105 DOF= U1, U3,
ADD= 106 DOF= U3,
ADD= 107 DOF= U2, U3,
ADD= 108 DOF= U2, U3,
ADD= 109 DOF= U1, U2, U3,
ADD= 110 DOF= U2, U3,

MATERIAL

Name=1
E=2.1e+008
Name=2
E=2.1e+008
Name=3
E=2.1e+008
Name=4
E=2.1e+008
Name=5
E=2.1e+008
Name=6
E=2.1e+008
Name=7
E=2.1e+008
Name=8
E=2.1e+008
Name=9

E=2.1e+008
Name=10
E=2.1e+008
Name=11
E=2.1e+008
Name=12
E=2.1e+008
Name=13
E=2.1e+008
Name=14
E=2.1e+008
Name=15
E=2.1e+008

FRAME SECTION
Name= 1 Mat= 1 A=0.32317 I=0.25915253,
0.77483583 J=0.20538983
Name= 2 Mat= 2 A=0.32797 I=0.30759305,
0.78240806 J=0.23014593
Name= 3 Mat= 3 A=0.33337 I=0.30845185,
0.78568856 J=0.23114200
Name= 4 Mat= 4 A=0.37657 I=0.45922193,
0.81193256 J=0.28671088
Name= 5 Mat= 5 A=0.34957 I=0.38517264,
0.79553006 J=0.26503172
Name= 6 Mat= 6 A=0.33968 I=0.36100082,
0.78568856 J=0.24393798
Name= 7 Mat= 7 A=0.38198 I=0.48334220,
0.81521306 J=0.28787968
Name= 8 Mat= 8 A=0.44137 I=0.60435798,
0.85129856 J=0.31311021
Name= 9 Mat= 9 A=0.38827 I=0.48504469,
0.81521306 J=0.28787968
Name= 10 Mat= 10 A=0.34418 I=0.36035489,
0.79224956 J=0.25606893
Name= 11 Mat= 11 A=0.03120 I=0.01528675,
0.00005429 J=0.00000150
Name= 12 Mat= 12 A=0.02520 I=0.00749015,
0.00005422 J=0.00000121
Name= 13 Mat= 13 A=0.01100 I=0.00064517,
0.00002609 J=0.00000037
Name= 14 Mat= 14 A=0.01300 I=0.00124683,
0.00002611 J=0.00000043
Name= 15 Mat= 15 A=10.00000 I=10.00000000,
10.00000000 J=10.00000000
Name= 16 Type=Nonpr Sec= 1, 2 Elvar=2,1
Name= 17 Type=Nonpr Sec= 2, 1
Name= 18 Type=Nonpr Sec= 2, 3
Name= 19 Type=Nonpr Sec= 3, 2
Name= 20 Type=Nonpr Sec= 3, 4
Name= 21 Type=Nonpr Sec= 4, 3
Name= 22 Type=Nonpr Sec= 4, 5
Name= 23 Type=Nonpr Sec= 5, 4
Name= 24 Type=Nonpr Sec= 5, 6
Name= 25 Type=Nonpr Sec= 6, 5
Name= 26 Type=Nonpr Sec= 6, 7
Name= 27 Type=Nonpr Sec= 6, 9
Name= 28 Type=Nonpr Sec= 6, 10
Name= 29 Type=Nonpr Sec= 7, 6
Name= 30 Type=Nonpr Sec= 7, 8
Name= 31 Type=Nonpr Sec= 8, 7
Name= 32 Type=Nonpr Sec= 8, 9
Name= 33 Type=Nonpr Sec= 9, 6
Name= 34 Type=Nonpr Sec= 9, 8
Name= 35 Type=Nonpr Sec= 10, 6

FRAME
1 J= 1, 2 Sec=16 Local=12 Pldir=+Z,+X
NSEG=4
2 J= 2, 3 Sec=18
3 J= 3, 4 Sec=20
4 J= 4, 5 Sec=24
5 J= 5, 6 Sec= 4
6 J= 6, 7 Sec= 4
7 J= 7, 8 Sec=22
8 J= 8, 9 Sec=24
9 J= 9, 10 Sec= 6
10 J= 10, 11 Sec=26
11 J= 11, 12 Sec=30
12 J= 12, 13 Sec= 8
13 J= 13, 14 Sec=32
14 J= 14, 15 Sec=33
15 J= 15, 16 Sec=28
16 J= 16, 17 Sec=10
17 J= 17, 18 Sec=10
18 J= 18, 19 Sec=10
19 J= 19, 20 Sec=35
20 J= 20, 21 Sec=27
21 J= 21, 22 Sec=34
22 J= 22, 23 Sec= 8
23 J= 23, 24 Sec=31
24 J= 24, 25 Sec=29
25 J= 25, 26 Sec= 6
26 J= 26, 27 Sec=25
27 J= 27, 28 Sec=23
28 J= 28, 29 Sec= 4
29 J= 29, 30 Sec= 4

30 J= 30, 31 Sec= 4
31 J= 31, 32 Sec=21
32 J= 32, 33 Sec=19
33 J= 33, 34 Sec=17
34 J= 35, 36 Sec=16
35 J= 36, 37 Sec=18
36 J= 37, 38 Sec=20
37 J= 38, 39 Sec= 4
38 J= 39, 40 Sec= 4
39 J= 40, 41 Sec= 4
40 J= 41, 42 Sec=22
41 J= 42, 43 Sec=24
42 J= 43, 44 Sec= 6
43 J= 44, 45 Sec=26
44 J= 45, 46 Sec=30
45 J= 46, 47 Sec= 8
46 J= 47, 48 Sec=32
47 J= 48, 49 Sec=33
48 J= 49, 50 Sec=28
49 J= 50, 51 Sec=10
50 J= 51, 52 Sec=10
51 J= 52, 53 Sec=10
52 J= 53, 54 Sec=35
53 J= 54, 55 Sec=27
54 J= 55, 56 Sec=34
55 J= 56, 57 Sec= 8
56 J= 57, 58 Sec=31
57 J= 58, 59 Sec=29
58 J= 59, 60 Sec= 6
59 J= 60, 61 Sec=25
60 J= 61, 62 Sec=23
61 J= 62, 63 Sec= 4
62 J= 63, 64 Sec= 4
63 J= 64, 65 Sec= 4
64 J= 65, 66 Sec=21
65 J= 66, 67 Sec=19
66 J= 67, 68 Sec=17
67 J= 1, 69 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
68 J= 69, 35 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
69 J= 2, 70 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
70 J= 70, 36 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
71 J= 3, 71 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
72 J= 71, 37 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
73 J= 4, 72 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
74 J= 72, 38 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
75 J= 5, 73 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
76 J= 73, 39 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
77 J= 6, 74 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
78 J= 74, 40 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
79 J= 7, 75 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
80 J= 75, 41 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
81 J= 8, 76 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
82 J= 76, 42 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
83 J= 9, 77 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
84 J= 77, 43 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
85 J= 10, 78 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
86 J= 78, 44 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
87 J= 11, 79 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
88 J= 79, 45 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
89 J= 12, 80 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
90 J= 80, 46 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
91 J= 13, 81 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
92 J= 81, 47 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
93 J= 14, 82 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
94 J= 82, 48 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
95 J= 15, 83 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
96 J= 83, 49 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0

< MOVING LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT

```
1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.463 Y=-0.238 Z=-0.116
3 X= 9.422 Y=-0.486 Z=-0.244
4 X= 14.382 Y=-0.718 Z=-0.373
5 X= 19.343 Y=-0.933 Z=-0.501
6 X= 24.305 Y=-1.132 Z=-0.630
7 X= 29.267 Y=-1.314 Z=-0.758
8 X= 34.230 Y=-1.480 Z=-0.887
9 X= 39.194 Y=-1.629 Z=-1.015
10 X= 44.158 Y=-1.762 Z=-1.144
11 X= 49.122 Y=-1.878 Z=-1.272
12 X= 54.087 Y=-1.977 Z=-1.401
13 X= 59.052 Y=-2.060 Z=-1.529
14 X= 64.017 Y=-2.127 Z=-1.658
15 X= 68.982 Y=-2.177 Z=-1.786
16 X= 73.948 Y=-2.210 Z=-1.915
17 X= 78.913 Y=-2.227 Z=-2.043
18 X= 83.879 Y=-2.227 Z=-2.172
19 X= 88.845 Y=-2.210 Z=-2.300
20 X= 93.810 Y=-2.178 Z=-2.429
21 X= 98.776 Y=-2.128 Z=-2.557
22 X= 103.741 Y=-2.062 Z=-2.686
23 X= 108.706 Y=-1.980 Z=-2.815
24 X= 113.671 Y=-1.880 Z=-2.943
25 X= 118.635 Y=-1.765 Z=-3.072
26 X= 123.599 Y=-1.633 Z=-3.200
27 X= 128.562 Y=-1.484 Z=-3.329
28 X= 133.525 Y=-1.319 Z=-3.457
29 X= 138.488 Y=-1.137 Z=-3.586
30 X= 143.449 Y=-0.938 Z=-3.714
31 X= 148.410 Y=-0.724 Z=-3.843
32 X= 153.370 Y=-0.492 Z=-3.971
33 X= 158.330 Y=-0.244 Z=-4.100
34 X= 162.793 Y=-0.007 Z=-4.215
35 X= -0.437 Y=-7.988 Z=0.400
36 X= 4.049 Y=-8.227 Z=0.284
37 X= 9.035 Y=-8.477 Z=0.156
38 X= 14.022 Y=-8.710 Z=0.027
39 X= 19.010 Y=-8.926 Z=-0.101
40 X= 23.998 Y=-9.126 Z=-0.230
41 X= 28.987 Y=-9.309 Z=-0.358
42 X= 33.977 Y=-9.476 Z=-0.487
43 X= 38.967 Y=-9.626 Z=-0.615
44 X= 43.957 Y=-9.759 Z=-0.744
45 X= 48.948 Y=-9.876 Z=-0.872
46 X= 53.940 Y=-9.976 Z=-1.001
47 X= 58.931 Y=-10.059 Z=-1.129
48 X= 63.923 Y=-10.126 Z=-1.258
49 X= 68.915 Y=-10.176 Z=-1.386
50 X= 73.907 Y=-10.210 Z=-1.515
51 X= 78.900 Y=-10.227 Z=-1.643
52 X= 83.892 Y=-10.227 Z=-1.772
53 X= 88.884 Y=-10.210 Z=-1.900
54 X= 93.877 Y=-10.177 Z=-2.029
55 X= 98.869 Y=-10.128 Z=-2.157
56 X= 103.861 Y=-10.061 Z=-2.286
57 X= 108.852 Y=-9.978 Z=-2.415
58 X= 113.844 Y=-9.879 Z=-2.543
59 X= 118.835 Y=-9.762 Z=-2.672
60 X= 123.825 Y=-9.629 Z=-2.800
61 X= 128.815 Y=-9.480 Z=-2.929
62 X= 133.805 Y=-9.314 Z=-3.057
63 X= 138.794 Y=-9.131 Z=-3.186
64 X= 143.782 Y=-8.931 Z=-3.314
65 X= 148.770 Y=-8.715 Z=-3.443
66 X= 153.757 Y=-8.483 Z=-3.571
67 X= 158.743 Y=-8.233 Z=-3.700
68 X= 163.230 Y=-7.995 Z=-3.815
69 X= -0.219 Y=-3.994 Z=0.200
70 X= 4.256 Y=-4.232 Z=0.084
71 X= 9.229 Y=-4.481 Z=-0.044
72 X= 14.202 Y=-4.714 Z=-0.173
73 X= 19.177 Y=-4.930 Z=-0.301
74 X= 24.152 Y=-5.129 Z=-0.430
75 X= 29.127 Y=-5.312 Z=-0.558
76 X= 34.104 Y=-5.478 Z=-0.687
77 X= 39.080 Y=-5.628 Z=-0.815
78 X= 44.058 Y=-5.760 Z=-0.944
79 X= 49.035 Y=-5.877 Z=-1.072
80 X= 54.013 Y=-5.977 Z=-1.201
81 X= 58.991 Y=-6.060 Z=-1.329
82 X= 63.970 Y=-6.126 Z=-1.458
83 X= 68.949 Y=-6.176 Z=-1.586
84 X= 73.928 Y=-6.210 Z=-1.715
85 X= 78.907 Y=-6.227 Z=-1.843
86 X= 83.886 Y=-6.227 Z=-1.972
87 X= 88.865 Y=-6.210 Z=-2.100
88 X= 93.843 Y=-6.177 Z=-2.229
89 X= 98.822 Y=-6.128 Z=-2.357
```

```
90 X= 103.801 Y=-6.062 Z=-2.486
91 X= 108.779 Y=-5.979 Z=-2.615
92 X= 113.757 Y=-5.880 Z=-2.743
93 X= 118.735 Y=-5.764 Z=-2.872
94 X= 123.712 Y=-5.631 Z=-3.000
95 X= 128.689 Y=-5.482 Z=-3.129
96 X= 133.665 Y=-5.316 Z=-3.257
97 X= 138.641 Y=-5.134 Z=-3.386
98 X= 143.616 Y=-4.935 Z=-3.514
99 X= 148.590 Y=-4.719 Z=-3.643
100 X= 153.564 Y=-4.487 Z=-3.771
101 X= 158.536 Y=-4.239 Z=-3.900
102 X= 163.011 Y=-4.001 Z=-4.015
103 X= 0.000 Y=0.000 Z=-1.200
104 X= 54.087 Y=-1.977 Z=-2.701
105 X= 108.706 Y=-1.980 Z=-4.115
106 X= 162.793 Y=-0.007 Z=-5.415
107 X= -0.437 Y=-7.988 Z=-0.800
108 X= 53.940 Y=-9.976 Z=-2.301
109 X= 108.852 Y=-9.978 Z=-3.715
110 X= 163.230 Y=-7.995 Z=-5.015
```

LOCAL

```
ADD= 103 ANG=-5.238
ADD= 104 ANG=-8.312
ADD= 105 ANG=1.048
ADD= 106 ANG=10.473
ADD= 107 ANG=-1.043
ADD= 108 ANG=-0.002
ADD= 109 ANG=1.048
ADD= 110 ANG=2.089
```

RESTRAINT

```
ADD= 103 DOF= U3,
ADD= 104 DOF= U3,
ADD= 105 DOF= U1, U3,
ADD= 106 DOF= U3,
ADD= 107 DOF= U2, U3,
ADD= 108 DOF= U2, U3,
ADD= 109 DOF= U1, U2, U3,
ADD= 110 DOF= U2, U3,
```

MATERIAL

```
Name=1
E=2.1e+008
Name=2
E=2.1e+008
Name=3
E=2.1e+008
Name=4
E=2.1e+008
Name=5
E=2.1e+008
Name=6
E=2.1e+008
Name=7
E=2.1e+008
Name=8
E=2.1e+008
Name=9
E=2.1e+008
Name=10
E=2.1e+008
Name=11
E=2.1e+008
Name=12
E=2.1e+008
Name=13
E=2.1e+008
Name=14
E=2.1e+008
Name=15
E=2.1e+008
```

FRAME SECTION

```
Name= 1 Mat= 1 A=0.32317 I=0.25915253,
0.77483583 J=0.20538983
Name= 2 Mat= 2 A=0.32797 I=0.30759305,
0.78240806 J=0.23014593
Name= 3 Mat= 3 A=0.33337 I=0.30845185,
0.78568856 J=0.23114200
Name= 4 Mat= 4 A=0.37657 I=0.45922193,
0.81193256 J=0.28671088
Name= 5 Mat= 5 A=0.34957 I=0.38517264,
0.79553006 J=0.26503172
Name= 6 Mat= 6 A=0.33968 I=0.36100082,
0.78568856 J=0.24393798
Name= 7 Mat= 7 A=0.38198 I=0.48334220,
0.81521306 J=0.28787968
Name= 8 Mat= 8 A=0.44137 I=0.60435798,
0.85129856 J=0.31311021
Name= 9 Mat= 9 A=0.38827 I=0.48504469,
0.81521306 J=0.28787968
Name= 10 Mat= 10 A=0.34418 I=0.36035489,
0.79224956 J=0.25606893
Name= 11 Mat= 11 A=0.03120 I=0.01528675,
0.00005429 J=0.00000150
```

```
Name= 12 Mat= 12 A=0.02520 I=0.00749015,
0.00005422 J=0.00000121
Name= 13 Mat= 13 A=0.01100 I=0.00064517,
0.00002609 J=0.00000037
Name= 14 Mat= 14 A=0.01300 I=0.00124683,
0.00002611 J=0.00000043
Name= 15 Mat= 15 A=10.00000 I=10.00000000,
10.00000000 J=10.00000000
Name= 16 Type=Nonpr Sec= 1, 2 Eivar=2,1
Name= 17 Type=Nonpr Sec= 2, 1
Name= 18 Type=Nonpr Sec= 2, 3
Name= 19 Type=Nonpr Sec= 3, 2
Name= 20 Type=Nonpr Sec= 3, 4
Name= 21 Type=Nonpr Sec= 4, 3
Name= 22 Type=Nonpr Sec= 4, 5
Name= 23 Type=Nonpr Sec= 5, 4
Name= 24 Type=Nonpr Sec= 5, 6
Name= 25 Type=Nonpr Sec= 6, 5
Name= 26 Type=Nonpr Sec= 6, 7
Name= 27 Type=Nonpr Sec= 6, 9
Name= 28 Type=Nonpr Sec= 6, 10
Name= 29 Type=Nonpr Sec= 7, 6
Name= 30 Type=Nonpr Sec= 7, 8
Name= 31 Type=Nonpr Sec= 8, 7
Name= 32 Type=Nonpr Sec= 8, 9
Name= 33 Type=Nonpr Sec= 9, 6
Name= 34 Type=Nonpr Sec= 9, 8
Name= 35 Type=Nonpr Sec= 10, 6
```

FRAME

```
1 J= 1, 2 Sec=16 Local=12 Pldir=+Z,+X
NSEG=4
2 J= 2, 3 Sec=18
3 J= 3, 4 Sec=20
4 J= 4, 5 Sec= 4
5 J= 5, 6 Sec= 4
6 J= 6, 7 Sec= 4
7 J= 7, 8 Sec=22
8 J= 8, 9 Sec=24
9 J= 9, 10 Sec= 6
10 J= 10, 11 Sec=26
11 J= 11, 12 Sec=30
12 J= 12, 13 Sec= 8
13 J= 13, 14 Sec=32
14 J= 14, 15 Sec=33
15 J= 15, 16 Sec=28
16 J= 16, 17 Sec=10
17 J= 17, 18 Sec=10
18 J= 18, 19 Sec=10
19 J= 19, 20 Sec=35
20 J= 20, 21 Sec=27
21 J= 21, 22 Sec=34
22 J= 22, 23 Sec= 8
23 J= 23, 24 Sec=31
24 J= 24, 25 Sec=29
25 J= 25, 26 Sec= 6
26 J= 26, 27 Sec=25
27 J= 27, 28 Sec=23
28 J= 28, 29 Sec= 4
29 J= 29, 30 Sec= 4
30 J= 30, 31 Sec= 4
31 J= 31, 32 Sec=21
32 J= 32, 33 Sec=19
33 J= 33, 34 Sec=17
34 J= 35, 36 Sec=16
35 J= 36, 37 Sec=18
36 J= 37, 38 Sec=20
37 J= 38, 39 Sec= 4
38 J= 39, 40 Sec= 4
39 J= 40, 41 Sec= 4
40 J= 41, 42 Sec=22
41 J= 42, 43 Sec=24
42 J= 43, 44 Sec= 6
43 J= 44, 45 Sec=26
44 J= 45, 46 Sec=30
45 J= 46, 47 Sec= 8
46 J= 47, 48 Sec=32
47 J= 48, 49 Sec=33
48 J= 49, 50 Sec=28
49 J= 50, 51 Sec=10
50 J= 51, 52 Sec=10
51 J= 52, 53 Sec=10
52 J= 53, 54 Sec=35
53 J= 54, 55 Sec=27
54 J= 55, 56 Sec=34
55 J= 56, 57 Sec= 8
56 J= 57, 58 Sec=31
57 J= 58, 59 Sec=29
58 J= 59, 60 Sec= 6
59 J= 60, 61 Sec=25
60 J= 61, 62 Sec=23
61 J= 62, 63 Sec= 4
62 J= 63, 64 Sec= 4
63 J= 64, 65 Sec= 4
64 J= 65, 66 Sec=21
65 J= 66, 67 Sec=19
66 J= 67, 68 Sec=17
```

67 J= 1, 69 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
68 J= 69, 35 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
69 J= 2, 70 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
70 J= 70, 36 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
71 J= 3, 71 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
72 J= 71, 37 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
73 J= 4, 72 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
74 J= 72, 38 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
75 J= 5, 73 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
76 J= 73, 39 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
77 J= 6, 74 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
78 J= 74, 40 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
79 J= 7, 75 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
80 J= 75, 41 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
81 J= 8, 76 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
82 J= 76, 42 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
83 J= 9, 77 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
84 J= 77, 43 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
85 J= 10, 78 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
86 J= 78, 44 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
87 J= 11, 79 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
88 J= 79, 45 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
89 J= 12, 80 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
90 J= 80, 46 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
91 J= 13, 81 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
92 J= 81, 47 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
93 J= 14, 82 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
94 J= 82, 48 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
95 J= 15, 83 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
96 J= 83, 49 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
97 J= 16, 84 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
98 J= 84, 50 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
99 J= 17, 85 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
100 J= 85, 51 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
101 J= 18, 86 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
102 J= 86, 52 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
103 J= 19, 87 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
104 J= 87, 53 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
105 J= 20, 88 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
106 J= 88, 54 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
107 J= 21, 89 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
108 J= 89, 55 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
109 J= 22, 90 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
110 J= 90, 56 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
111 J= 23, 91 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
112 J= 91, 57 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
113 J= 24, 92 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
114 J= 92, 58 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
115 J= 25, 93 Sec=12 IOFF=1.250 JOFF=0.000

RIGID=1.0
116 J= 93, 59 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
117 J= 26, 94 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
118 J= 94, 60 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
119 J= 27, 95 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
120 J= 95, 61 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
121 J= 28, 96 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
122 J= 96, 62 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
123 J= 29, 97 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
124 J= 97, 63 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
125 J= 30, 98 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
126 J= 98, 64 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
127 J= 31, 99 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
128 J= 99, 65 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
129 J= 32, 100 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
130 J=100, 66 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
131 J= 33, 101 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
132 J=101, 67 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
133 J= 34, 102 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
134 J=102, 68 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
135 J= 69, 70 Sec=13
136 J= 70, 71 Sec=14
137 J= 71, 72 Sec=14
138 J= 72, 73 Sec=14
139 J= 73, 74 Sec=14
140 J= 74, 75 Sec=14
141 J= 75, 76 Sec=14
142 J= 76, 77 Sec=14
143 J= 77, 78 Sec=14
144 J= 78, 79 Sec=14
145 J= 79, 80 Sec=14
146 J= 80, 81 Sec=14
147 J= 81, 82 Sec=14
148 J= 82, 83 Sec=14
149 J= 83, 84 Sec=14
150 J= 84, 85 Sec=14
151 J= 85, 86 Sec=14
152 J= 86, 87 Sec=14
153 J= 87, 88 Sec=14
154 J= 88, 89 Sec=14
155 J= 89, 90 Sec=14
156 J= 90, 91 Sec=14
157 J= 91, 92 Sec=14
158 J= 92, 93 Sec=14
159 J= 93, 94 Sec=14
160 J= 94, 95 Sec=14
161 J= 95, 96 Sec=14
162 J= 96, 97 Sec=14
163 J= 97, 98 Sec=14
164 J= 98, 99 Sec=14
165 J= 99, 100 Sec=14
166 J=100, 101 Sec=14
167 J=101, 102 Sec=13
168 J= 1, 103 Sec=15
169 J= 12, 104 Sec=15
170 J= 23, 105 Sec=15
171 J= 34, 106 Sec=15
172 J= 35, 107 Sec=15
173 J= 46, 108 Sec=15
174 J= 57, 109 Sec=15
175 J= 68, 110 Sec=15

LANE

: Case = 1 ----- G1 Max DB 1선

Name=1

Path= 1, 11, 1, Ecc=0.167
Path= 12, 22, 1, Ecc=0.167
Path= 23, 33, 1, Ecc=0.167

Name=2

Path= 135, 145, 1, Ecc=0.000
Path= 146, 156, 1, Ecc=0.000
Path= 157, 167, 1, Ecc=0.000

Name=3

Path= 34, 44, 1, Ecc=1.821
Path= 45, 55, 1, Ecc=1.821
Path= 56, 66, 1, Ecc=1.821

: Case = 2 ----- G1 Max DB 2선

Name=4

Path= 1, 11, 1, Ecc=-0.219
Path= 12, 22, 1, Ecc=-0.219
Path= 23, 33, 1, Ecc=-0.219

Name=5

Path= 135, 145, 1, Ecc=0.000
Path= 146, 156, 1, Ecc=0.000
Path= 157, 167, 1, Ecc=0.000

Name=6

Path= 34, 44, 1, Ecc=1.825
Path= 45, 55, 1, Ecc=1.825
Path= 56, 66, 1, Ecc=1.825

: Case = 3 ----- G1 Max DB 3선

Name=7

Path= 1, 11, 1, Ecc=-0.200
Path= 12, 22, 1, Ecc=-0.200
Path= 23, 33, 1, Ecc=-0.200

Name=8

Path= 135, 145, 1, Ecc=0.000
Path= 146, 156, 1, Ecc=0.000
Path= 157, 167, 1, Ecc=0.000

Name=9

Path= 34, 44, 1, Ecc=0.951
Path= 45, 55, 1, Ecc=0.951
Path= 56, 66, 1, Ecc=0.951

: Case = 4 ----- G2 Max DB 1선

Name=10

Path= 1, 11, 1, Ecc=-1.821
Path= 12, 22, 1, Ecc=-1.821
Path= 23, 33, 1, Ecc=-1.821

Name=11

Path= 135, 145, 1, Ecc=0.000
Path= 146, 156, 1, Ecc=0.000
Path= 157, 167, 1, Ecc=0.000

Name=12

Path= 34, 44, 1, Ecc=-0.167
Path= 45, 55, 1, Ecc=-0.167
Path= 56, 66, 1, Ecc=-0.167

: Case = 5 ----- G2 Max DB 2선

Name=13

Path= 1, 11, 1, Ecc=-1.825
Path= 12, 22, 1, Ecc=-1.825
Path= 23, 33, 1, Ecc=-1.825

Name=14

Path= 135, 145, 1, Ecc=0.000
Path= 146, 156, 1, Ecc=0.000
Path= 157, 167, 1, Ecc=0.000

Name=15

Path= 34, 44, 1, Ecc=0.219
Path= 45, 55, 1, Ecc=0.219
Path= 56, 66, 1, Ecc=0.219

: Case = 6 ----- G2 Max DB 3선

Name=16

Path= 1, 11, 1, Ecc=-0.951
Path= 12, 22, 1, Ecc=-0.951
Path= 23, 33, 1, Ecc=-0.951

Name=17

Path= 135, 145, 1, Ecc=0.000
Path= 146, 156, 1, Ecc=0.000
Path= 157, 167, 1, Ecc=0.000

Name=18

Path= 34, 44, 1, Ecc=0.200
Path= 45, 55, 1, Ecc=0.200
Path= 56, 66, 1, Ecc=0.200

: Case = 7 ----- G1 Max DL 1선

Name=19

Path= 1, 11, 1, Ecc=0.157
Path= 12, 22, 1, Ecc=0.157
Path= 23, 33, 1, Ecc=0.157

Name=20

Path= 135, 145, 1, Ecc=0.000
Path= 146, 156, 1, Ecc=0.000
Path= 157, 167, 1, Ecc=0.000

Name=21

Path= 34, 44, 1, Ecc=1.821
Path= 45, 55, 1, Ecc=1.821
Path= 56, 66, 1, Ecc=1.821

: Case = 8 ----- G1 Max DL 2선

Name=22

Path= 1, 11, 1, Ecc=-0.222
Path= 12, 22, 1, Ecc=-0.222
Path= 23, 33, 1, Ecc=-0.222

Name=23

Path= 135, 145, 1, Ecc=0.000
Path= 146, 156, 1, Ecc=0.000
Path= 157, 167, 1, Ecc=0.000

Name=24

Path= 34, 44, 1, Ecc=1.864
Path= 45, 55, 1, Ecc=1.864
Path= 56, 66, 1, Ecc=1.864

: Case = 9 ----- G1 Max DL 3선				Name= 3 Rf=0.900 ; G1 Max DB 3선				Name=DB-G2-3 Type=ENVE ; G2 Max DB 3선			
Name=25				Lane= 7 Class= 1 Lmin= 1 Lmax= 1				MOVE=6 sf=1.159			
Path= 1, 11, 1, Ecc=-0.207				Sf=2.653				Name=DL-G1-1 Type=ENVE ; G1 Max DL 1선			
Path= 12, 22, 1, Ecc=-0.207				Lane= 8 Class= 1 Lmin= 1 Lmax= 1				MOVE=7 sf=1.159			
Path= 23, 33, 1, Ecc=-0.207				Sf=1.516				Name=DL-G1-2 Type=ENVE ; G1 Max DL 2선			
Name=26				Lane= 9 Class= 1 Lmin= 1 Lmax= 1				MOVE=8 sf=1.159			
Path= 135, 145, 1, Ecc=0.000				Sf=1.831				Name=DL-G1-3 Type=ENVE ; G1 Max DL 3선			
Path= 146, 156, 1, Ecc=0.000				Name= 4 Rf=1.000 ; G2 Max DB 1선				MOVE=9 sf=1.159			
Path= 157, 167, 1, Ecc=0.000				Lane= 10 Class= 1 Lmin= 1 Lmax= 1				Name=DL-G2-1 Type=ENVE ; G2 Max DL 1선			
Name=27				Sf=0.027				MOVE=10 sf=1.159			
Path= 34, 44, 1, Ecc=0.973				Lane= 11 Class= 1 Lmin= 1 Lmax= 1				Name=DL-G2-2 Type=ENVE ; G2 Max DL 2선			
Path= 45, 55, 1, Ecc=0.973				Sf=0.001				MOVE=11 sf=1.159			
Path= 56, 66, 1, Ecc=0.973				Lane= 12 Class= 1 Lmin= 1 Lmax= 1				Name=DL-G2-3 Type=ENVE ; G2 Max DL 3선			
: Case = 10 ----- G2 Max DL 1선				Sf=2.102				MOVE=12 sf=1.159			
Name=28				Name= 5 Rf=1.000 ; G2 Max DB 2선				Name=DB Type=ENVE ;			
Path= 1, 11, 1, Ecc=-1.821				Lane= 13 Class= 1 Lmin= 1 Lmax= 1				COMB=DB-G1-1 sf=1.000			
Path= 12, 22, 1, Ecc=-1.821				Sf=0.001				COMB=DB-G1-2 sf=1.000			
Path= 23, 33, 1, Ecc=-1.821				Lane= 14 Class= 1 Lmin= 1 Lmax= 1				COMB=DB-G1-3 sf=1.000			
Name=29				Sf=1.335				COMB=DB-G2-1 sf=1.000			
Path= 135, 145, 1, Ecc=0.000				Lane= 15 Class= 1 Lmin= 1 Lmax= 1				COMB=DB-G2-2 sf=1.000			
Path= 146, 156, 1, Ecc=0.000				Sf=2.686				COMB=DB-G2-3 sf=1.000			
Path= 157, 167, 1, Ecc=0.000				Name= 6 Rf=0.900 ; G2 Max DB 3선				Name=DL Type=ENVE ;			
Name=30				Lane= 16 Class= 1 Lmin= 1 Lmax= 1				COMB=DL-G1-1 sf=1.000			
Path= 34, 44, 1, Ecc=-0.157				Sf=1.831				COMB=DL-G1-2 sf=1.000			
Path= 45, 55, 1, Ecc=-0.157				Lane= 17 Class= 1 Lmin= 1 Lmax= 1				COMB=DL-G1-3 sf=1.000			
Path= 56, 66, 1, Ecc=-0.157				Sf=1.516				COMB=DL-G2-1 sf=1.000			
: Case = 11 ----- G2 Max DL 2선				Lane= 18 Class= 1 Lmin= 1 Lmax= 1				COMB=DL-G2-2 sf=1.000			
Name=31				Sf=2.653				COMB=DL-G2-3 sf=1.000			
Path= 1, 11, 1, Ecc=-1.864				Name= 7 Rf=1.000 ; G1 Max DL 1선				Name=CAR Type=ENVE ;			
Path= 12, 22, 1, Ecc=-1.864				Lane= 19 Class= 2 Lmin= 1 Lmax= 1				COMB=DB sf=1.000			
Path= 23, 33, 1, Ecc=-1.864				Sf=3.162				COMB=DL sf=1.000			
Name=32				Lane= 20 Class= 2 Lmin= 1 Lmax= 1				Name=DESIGN Type=ENVE ;			
Path= 135, 145, 1, Ecc=0.000				Sf=0.001				COMB=CAR sf=1.000			
Path= 146, 156, 1, Ecc=0.000				Lane= 21 Class= 2 Lmin= 1 Lmax= 1				OUTPUT			
Path= 157, 167, 1, Ecc=0.000				Sf=0.043				Elem=Joint Type=Disp,REAC Load=* Comb=* Elem=Frame Type=Force Load=* Comb=*			
Name=33				Name= 8 Rf=1.000 ; G1 Max DL 2선				< UNEQUAL SETTLEMENT >			
Path= 34, 44, 1, Ecc=0.222				Lane= 22 Class= 2 Lmin= 1 Lmax= 1				SYSTEM			
Path= 45, 55, 1, Ecc=0.222				Sf=4.022				LENGTH=M FORCE=KN			
Path= 56, 66, 1, Ecc=0.222				Lane= 23 Class= 2 Lmin= 1 Lmax= 1				JOINT			
: Case = 12 ----- G2 Max DL 3선				Sf=2.028				1 X= 0.000 Y=0.000 Z=0.000			
Name=34				Lane= 24 Class= 2 Lmin= 1 Lmax= 1				2 X= 4.463 Y=-0.238 Z=-0.116			
Path= 1, 11, 1, Ecc=-0.973				Sf=0.001				3 X= 9.422 Y=-0.486 Z=-0.244			
Path= 12, 22, 1, Ecc=-0.973				Name= 9 Rf=0.900 ; G1 Max DL 3선				4 X= 14.382 Y=-0.718 Z=-0.373			
Path= 23, 33, 1, Ecc=-0.973				Sf=3.984				5 X= 19.343 Y=-0.933 Z=-0.501			
Name=35				Lane= 25 Class= 2 Lmin= 1 Lmax= 1				6 X= 24.305 Y=-1.132 Z=-0.630			
Path= 135, 145, 1, Ecc=0.000				Sf=2.254				7 X= 29.267 Y=-1.314 Z=-0.758			
Path= 146, 156, 1, Ecc=0.000				Lane= 26 Class= 2 Lmin= 1 Lmax= 1				8 X= 34.230 Y=-1.480 Z=-0.887			
Path= 157, 167, 1, Ecc=0.000				Sf=2.762				9 X= 39.194 Y=-1.629 Z=-1.015			
Name=36				Name= 10 Rf=1.000 ; G2 Max DL 1선				10 X= 44.158 Y=-1.762 Z=-1.144			
Path= 34, 44, 1, Ecc=0.207				Lane= 27 Class= 2 Lmin= 1 Lmax= 1				11 X= 49.122 Y=-1.878 Z=-1.272			
Path= 45, 55, 1, Ecc=0.207				Sf=4.022				12 X= 54.087 Y=-1.977 Z=-1.401			
Path= 56, 66, 1, Ecc=0.207				Name= 11 Rf=1.000 ; G2 Max DL 2선				13 X= 59.052 Y=-2.060 Z=-1.529			
VEHICLES				Lane= 28 Class= 2 Lmin= 1 Lmax= 1				14 X= 64.017 Y=-2.127 Z=-1.658			
Name=1 TYPE=Gen ; DB-24				Sf=0.043				15 X= 68.982 Y=-2.177 Z=-1.786			
P=24.000				Lane= 29 Class= 2 Lmin= 1 Lmax= 1				16 X= 73.948 Y=-2.210 Z=-1.915			
D=4.200 P=96.000				Sf=0.001				17 X= 78.913 Y=-2.227 Z=-2.043			
D=4.200 9.000 P=96.000				Lane= 30 Class= 2 Lmin= 1 Lmax= 1				18 X= 83.879 Y=-2.227 Z=-2.172			
Name=2 TYPE=Gen ; DL-24				Sf=3.162				19 X= 88.845 Y=-2.210 Z=-2.300			
W=4.233 PM=36.000 PXM=52.000				Name= 12 Rf=0.900 ; G2 Max DL 3선				20 X= 93.810 Y=-2.178 Z=-2.429			
Vehicle Class				Lane= 31 Class= 2 Lmin= 1 Lmax= 1				21 X= 98.776 Y=-2.128 Z=-2.557			
Name=1				Sf=0.001				22 X= 103.741 Y=-2.062 Z=-2.686			
Vehi=1				Lane= 32 Class= 2 Lmin= 1 Lmax= 1				23 X= 108.706 Y=-1.980 Z=-2.815			
Name=2				Sf=2.028				24 X= 113.671 Y=-1.880 Z=-2.943			
Vehi=2				Sf=4.022				25 X= 118.635 Y=-1.765 Z=-3.072			
Bridge Response				Name= 13 Rf=1.000 ; G1 Max DB 1선				26 X= 123.599 Y=-1.633 Z=-3.200			
Elem=Frame				MOVE=1 sf=1.159				27 X= 128.562 Y=-1.484 Z=-3.329			
Add=*				Name=DB-G1-2 Type=ENVE ; G1 Max DB 2선				28 X= 133.525 Y=-1.319 Z=-3.457			
Elem=Joint Type=DISP				MOVE=2 sf=1.159				29 X= 138.488 Y=-1.137 Z=-3.586			
Add=*				Name=DB-G1-3 Type=ENVE ; G1 Max DB 3선				30 X= 143.449 Y=-0.938 Z=-3.714			
Elem=Joint Type=REAC				MOVE=3 sf=1.159				31 X= 148.410 Y=-0.724 Z=-3.843			
Add=*				Name=DB-G2-1 Type=ENVE ; G2 Max DB 1선				32 X= 153.370 Y=-0.492 Z=-3.971			
MOVING LOAD				MOVE=4 sf=1.159				33 X= 158.330 Y=-0.244 Z=-4.100			
Name= 1 Rf=1.000 ; G1 Max DB 1선				Name=DB-G2-2 Type=ENVE ; G2 Max DB 2선				34 X= 162.793 Y=-0.007 Z=-4.215			
Lane= 1 Class= 1 Lmin= 1 Lmax= 1				MOVE=5 sf=1.159				35 X= -0.437 Y=-7.988 Z=0.400			
Sf=2.102				Name= 2 Rf=1.000 ; G1 Max DB 2선				36 X= 4.049 Y=-8.227 Z=0.284			
Lane= 2 Class= 1 Lmin= 1 Lmax= 1				Lane= 4 Class= 1 Lmin= 1 Lmax= 1				37 X= 9.035 Y=-8.477 Z=0.156			
Sf=0.001				Sf=2.686				38 X= 14.022 Y=-8.710 Z=0.027			
Lane= 3 Class= 1 Lmin= 1 Lmax= 1				Lane= 5 Class= 1 Lmin= 1 Lmax= 1				39 X= 19.010 Y=-8.926 Z=-0.101			
Sf=0.027				Sf=1.335				40 X= 23.998 Y=-9.126 Z=-0.230			
Name= 2 Rf=1.000 ; G1 Max DB 2선				Lane= 6 Class= 1 Lmin= 1 Lmax= 1				41 X= 28.987 Y=-9.309 Z=-0.358			
Lane= 4 Class= 1 Lmin= 1 Lmax= 1				Sf=0.001				42 X= 33.977 Y=-9.476 Z=-0.487			
Sf=2.686											
Lane= 5 Class= 1 Lmin= 1 Lmax= 1											
Sf=1.335											
Lane= 6 Class= 1 Lmin= 1 Lmax= 1											
Sf=0.001											

43 X= 38.967 Y=-9.626 Z=-0.615
44 X= 43.957 Y=-9.759 Z=-0.744
45 X= 48.948 Y=-9.876 Z=-0.872
46 X= 53.940 Y=-9.976 Z=-1.001
47 X= 58.931 Y=-10.059 Z=-1.129
48 X= 63.923 Y=-10.126 Z=-1.258
49 X= 68.915 Y=-10.176 Z=-1.386
50 X= 73.907 Y=-10.210 Z=-1.515
51 X= 78.900 Y=-10.227 Z=-1.643
52 X= 83.892 Y=-10.227 Z=-1.772
53 X= 88.884 Y=-10.210 Z=-1.900
54 X= 93.877 Y=-10.177 Z=-2.029
55 X= 98.869 Y=-10.128 Z=-2.157
56 X= 103.861 Y=-10.061 Z=-2.286
57 X= 108.852 Y=-9.978 Z=-2.415
58 X= 113.844 Y=-9.879 Z=-2.543
59 X= 118.835 Y=-9.762 Z=-2.672
60 X= 123.825 Y=-9.629 Z=-2.800
61 X= 128.815 Y=-9.480 Z=-2.929
62 X= 133.805 Y=-9.314 Z=-3.057
63 X= 138.794 Y=-9.131 Z=-3.186
64 X= 143.782 Y=-8.931 Z=-3.314
65 X= 148.770 Y=-8.715 Z=-3.443
66 X= 153.757 Y=-8.483 Z=-3.571
67 X= 158.743 Y=-8.233 Z=-3.700
68 X= 163.230 Y=-7.995 Z=-3.815
69 X= -0.219 Y=-3.994 Z=0.200
70 X= 4.256 Y=-4.232 Z=0.084
71 X= 9.229 Y=-4.481 Z=-0.044
72 X= 14.202 Y=-4.714 Z=-0.173
73 X= 19.177 Y=-4.930 Z=-0.301
74 X= 24.152 Y=-5.129 Z=-0.430
75 X= 29.127 Y=-5.312 Z=-0.558
76 X= 34.104 Y=-5.478 Z=-0.687
77 X= 39.080 Y=-5.628 Z=-0.815
78 X= 44.058 Y=-5.760 Z=-0.944
79 X= 49.035 Y=-5.877 Z=-1.072
80 X= 54.013 Y=-5.977 Z=-1.201
81 X= 58.991 Y=-6.060 Z=-1.329
82 X= 63.970 Y=-6.126 Z=-1.458
83 X= 68.949 Y=-6.176 Z=-1.586
84 X= 73.928 Y=-6.210 Z=-1.715
85 X= 78.907 Y=-6.227 Z=-1.843
86 X= 83.886 Y=-6.227 Z=-1.972
87 X= 88.865 Y=-6.210 Z=-2.100
88 X= 93.843 Y=-6.177 Z=-2.229
89 X= 98.822 Y=-6.128 Z=-2.357
90 X= 103.801 Y=-6.062 Z=-2.486
91 X= 108.779 Y=-5.979 Z=-2.615
92 X= 113.757 Y=-5.880 Z=-2.743
93 X= 118.735 Y=-5.764 Z=-2.872
94 X= 123.712 Y=-5.631 Z=-3.000
95 X= 128.689 Y=-5.482 Z=-3.129
96 X= 133.665 Y=-5.316 Z=-3.257
97 X= 138.641 Y=-5.134 Z=-3.386
98 X= 143.616 Y=-4.935 Z=-3.514
99 X= 148.590 Y=-4.719 Z=-3.643
100 X= 153.564 Y=-4.487 Z=-3.771
101 X= 158.536 Y=-4.239 Z=-3.900
102 X= 163.011 Y=-4.001 Z=-4.015
103 X= 0.000 Y=0.000 Z=-1.200
104 X= 54.087 Y=-1.977 Z=-2.701
105 X= 108.706 Y=-1.980 Z=-4.115
106 X= 162.793 Y=-0.007 Z=-5.415
107 X= -0.437 Y=-7.988 Z=-0.800
108 X= 53.940 Y=-9.976 Z=-2.301
109 X= 108.852 Y=-9.978 Z=-3.715
110 X= 163.230 Y=-7.995 Z=-5.015

LOCAL

ADD= 103 ANG=-5.238
ADD= 104 ANG=-8.312
ADD= 105 ANG=1.048
ADD= 106 ANG=10.473
ADD= 107 ANG=-1.043
ADD= 108 ANG=-0.002
ADD= 109 ANG=1.048
ADD= 110 ANG=2.089

RESTRAINT

ADD= 103 DOF= U3,
ADD= 104 DOF= U3,
ADD= 105 DOF= U1, U3,
ADD= 106 DOF= U3,
ADD= 107 DOF= U2, U3,
ADD= 108 DOF= U2, U3,
ADD= 109 DOF= U1, U2, U3,
ADD= 110 DOF= U2, U3,

MATERIAL

Name=1
E=2.1e+06
Name=2
E=2.1e+06
Name=3
E=2.1e+06
Name=4

E=2.1e+06
Name=5
E=2.1e+06
Name=6
E=2.1e+06
Name=7
E=2.1e+06
Name=8
E=2.1e+06
Name=9
E=2.1e+06
Name=10
E=2.1e+06
Name=11
E=2.1e+06
Name=12
E=2.1e+06
Name=13
E=2.1e+06
Name=14
E=2.1e+06
Name=15
E=2.1e+06

FRAME SECTION

Name= 1 Mat= 1 A=0.32317 I=0.25915253,
0.77483583 J=0.20538983
Name= 2 Mat= 2 A=0.32797 I=0.30759305,
0.78240806 J=0.23014593
Name= 3 Mat= 3 A=0.33337 I=0.30845185,
0.78568856 J=0.23114200
Name= 4 Mat= 4 A=0.37657 I=0.45922193,
0.81193256 J=0.28671088
Name= 5 Mat= 5 A=0.34957 I=0.38517264,
0.79553006 J=0.26503172
Name= 6 Mat= 6 A=0.33968 I=0.36100082,
0.78568856 J=0.24393798
Name= 7 Mat= 7 A=0.38198 I=0.48334220,
0.81521306 J=0.28787968
Name= 8 Mat= 8 A=0.44137 I=0.60435798,
0.85129856 J=0.31311021
Name= 9 Mat= 9 A=0.38827 I=0.48504469,
0.81521306 J=0.28787968
Name= 10 Mat= 10 A=0.34418 I=0.36035489,
0.79224956 J=0.25606893
Name= 11 Mat= 11 A=0.03120 I=0.01528675,
0.00005429 J=0.00000150
Name= 12 Mat= 12 A=0.02520 I=0.00749015,
0.00005422 J=0.00000121
Name= 13 Mat= 13 A=0.01100 I=0.00064517,
0.00002609 J=0.00000037
Name= 14 Mat= 14 A=0.01300 I=0.00124683,
0.00002611 J=0.00000043
Name= 15 Mat= 15 A=10.00000 I=10.00000000,
10.00000000 J=10.00000000
Name= 16 Type=Nonpr Sec= 1, 2 Elvar=2,1
Name= 17 Type=Nonpr Sec= 2, 1
Name= 18 Type=Nonpr Sec= 2, 3
Name= 19 Type=Nonpr Sec= 3, 2
Name= 20 Type=Nonpr Sec= 3, 4
Name= 21 Type=Nonpr Sec= 4, 3
Name= 22 Type=Nonpr Sec= 4, 5
Name= 23 Type=Nonpr Sec= 5, 4
Name= 24 Type=Nonpr Sec= 5, 6
Name= 25 Type=Nonpr Sec= 6, 5
Name= 26 Type=Nonpr Sec= 6, 7
Name= 27 Type=Nonpr Sec= 6, 9
Name= 28 Type=Nonpr Sec= 6, 10
Name= 29 Type=Nonpr Sec= 7, 6
Name= 30 Type=Nonpr Sec= 7, 8
Name= 31 Type=Nonpr Sec= 8, 7
Name= 32 Type=Nonpr Sec= 8, 9
Name= 33 Type=Nonpr Sec= 9, 6
Name= 34 Type=Nonpr Sec= 9, 8
Name= 35 Type=Nonpr Sec= 10, 6

FRAME

1 J= 1, 2 Sec=16 Local=12 Pldir=, NSEG=4
2 J= 2, 3 Sec=18
3 J= 3, 4 Sec=20
4 J= 4, 5 Sec= 4
5 J= 5, 6 Sec= 4
6 J= 6, 7 Sec= 4
7 J= 7, 8 Sec=22
8 J= 8, 9 Sec=24
9 J= 9, 10 Sec= 6
10 J= 10, 11 Sec=26
11 J= 11, 12 Sec=30
12 J= 12, 13 Sec= 8
13 J= 13, 14 Sec=32
14 J= 14, 15 Sec=33
15 J= 15, 16 Sec=28
16 J= 16, 17 Sec=10
17 J= 17, 18 Sec=10
18 J= 18, 19 Sec=10
19 J= 19, 20 Sec=35
20 J= 20, 21 Sec=27

21 J= 21, 22 Sec=34
22 J= 22, 23 Sec= 8
23 J= 23, 24 Sec=31
24 J= 24, 25 Sec=29
25 J= 25, 26 Sec= 6
26 J= 26, 27 Sec=25
27 J= 27, 28 Sec=23
28 J= 28, 29 Sec= 4
29 J= 29, 30 Sec= 4
30 J= 30, 31 Sec= 4
31 J= 31, 32 Sec=21
32 J= 32, 33 Sec=19
33 J= 33, 34 Sec=17
34 J= 35, 36 Sec=16
35 J= 36, 37 Sec=18
36 J= 37, 38 Sec=20
37 J= 38, 39 Sec= 4
38 J= 39, 40 Sec= 4
39 J= 40, 41 Sec= 4
40 J= 41, 42 Sec=22
41 J= 42, 43 Sec=24
42 J= 43, 44 Sec= 6
43 J= 44, 45 Sec=26
44 J= 45, 46 Sec=30
45 J= 46, 47 Sec= 8
46 J= 47, 48 Sec=32
47 J= 48, 49 Sec=33
48 J= 49, 50 Sec=28
49 J= 50, 51 Sec=10
50 J= 51, 52 Sec=10
51 J= 52, 53 Sec=10
52 J= 53, 54 Sec=35
53 J= 54, 55 Sec=27
54 J= 55, 56 Sec=34
55 J= 56, 57 Sec= 8
56 J= 57, 58 Sec=31
57 J= 58, 59 Sec=29
58 J= 59, 60 Sec= 6
59 J= 60, 61 Sec=25
60 J= 61, 62 Sec=23
61 J= 62, 63 Sec= 4
62 J= 63, 64 Sec= 4
63 J= 64, 65 Sec= 4
64 J= 65, 66 Sec=21
65 J= 66, 67 Sec=19
66 J= 67, 68 Sec=17
67 J= 1, 69 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
68 J= 69, 35 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
69 J= 2, 70 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
70 J= 70, 36 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
71 J= 3, 71 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
72 J= 71, 37 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
73 J= 4, 72 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
74 J= 72, 38 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
75 J= 5, 73 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
76 J= 73, 39 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
77 J= 6, 74 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
78 J= 74, 40 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
79 J= 7, 75 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
80 J= 75, 41 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
81 J= 8, 76 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
82 J= 76, 42 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
83 J= 9, 77 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
84 J= 77, 43 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
85 J= 10, 78 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
86 J= 78, 44 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
87 J= 11, 79 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
88 J= 79, 45 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
89 J= 12, 80 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
90 J= 80, 46 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
91 J= 13, 81 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
92 J= 81, 47 Sec=12 IOFF=0.000 JOFF=1.250

RIGID=1.0
93 J= 14, 82 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
94 J= 82, 48 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
95 J= 15, 83 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
96 J= 83, 49 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
97 J= 16, 84 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
98 J= 84, 50 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
99 J= 17, 85 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
100 J= 85, 51 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
101 J= 18, 86 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
102 J= 86, 52 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
103 J= 19, 87 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
104 J= 87, 53 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
105 J= 20, 88 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
106 J= 88, 54 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
107 J= 21, 89 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
108 J= 89, 55 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
109 J= 22, 90 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
110 J= 90, 56 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
111 J= 23, 91 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
112 J= 91, 57 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
113 J= 24, 92 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
114 J= 92, 58 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
115 J= 25, 93 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
116 J= 93, 59 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
117 J= 26, 94 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
118 J= 94, 60 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
119 J= 27, 95 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
120 J= 95, 61 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
121 J= 28, 96 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
122 J= 96, 62 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
123 J= 29, 97 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
124 J= 97, 63 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
125 J= 30, 98 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
126 J= 98, 64 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
127 J= 31, 99 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
128 J= 99, 65 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
129 J= 32, 100 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
130 J=100, 66 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
131 J= 33, 101 Sec=12 IOFF=1.250 JOFF=0.000
RIGID=1.0
132 J=101, 67 Sec=12 IOFF=0.000 JOFF=1.250
RIGID=1.0
133 J= 34, 102 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
134 J=102, 68 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
135 J= 69, 70 Sec=13
136 J= 70, 71 Sec=14
137 J= 71, 72 Sec=14
138 J= 72, 73 Sec=14
139 J= 73, 74 Sec=14
140 J= 74, 75 Sec=14
141 J= 75, 76 Sec=14
142 J= 76, 77 Sec=14
143 J= 77, 78 Sec=14
144 J= 78, 79 Sec=14
145 J= 79, 80 Sec=14
146 J= 80, 81 Sec=14

147 J= 81, 82 Sec=14
148 J= 82, 83 Sec=14
149 J= 83, 84 Sec=14
150 J= 84, 85 Sec=14
151 J= 85, 86 Sec=14
152 J= 86, 87 Sec=14
153 J= 87, 88 Sec=14
154 J= 88, 89 Sec=14
155 J= 89, 90 Sec=14
156 J= 90, 91 Sec=14
157 J= 91, 92 Sec=14
158 J= 92, 93 Sec=14
159 J= 93, 94 Sec=14
160 J= 94, 95 Sec=14
161 J= 95, 96 Sec=14
162 J= 96, 97 Sec=14
163 J= 97, 98 Sec=14
164 J= 98, 99 Sec=14
165 J= 99, 100 Sec=14
166 J=100, 101 Sec=14
167 J=101, 102 Sec=13
168 J= 1, 103 Sec=15
169 J= 12, 104 Sec=15
170 J= 23, 105 Sec=15
171 J= 34, 106 Sec=15
172 J= 35, 107 Sec=15
173 J= 46, 108 Sec=15
174 J= 57, 109 Sec=15
175 J= 68, 110 Sec=15

LOAD

Name=--P4 ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=103 Uz=-0.010
Add=107 Uz=-0.010

Name=--P5 ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=104 Uz=-0.010
Add=108 Uz=-0.010

Name=--P6 ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=105 Uz=-0.010
Add=109 Uz=-0.010

Name=--P7 ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=106 Uz=-0.010
Add=110 Uz=-0.010

Name=--2N ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=103 Uz=-0.010
Add=107 Uz=-0.010
Add=105 Uz=-0.010
Add=109 Uz=-0.010

Name=--2N ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=104 Uz=-0.010
Add=108 Uz=-0.010
Add=106 Uz=-0.010
Add=110 Uz=-0.010

COMBO

Name=SETTLE Type=ENVE ;
LOAD=--P4 sf=1.000
LOAD=--P5 sf=1.000
LOAD=--P6 sf=1.000
LOAD=--P7 sf=1.000
LOAD=--2N sf=1.000
LOAD=--2N sf=1.000

OUTPUT

Elem=Joint	Type=Disp,REAC	Load=*	Comb=*
Elem=Frame	Type=Force	Load=*	Comb=*

■ 청도2교 부산방향(S5~S7) 상부 input

< BEFORE COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT			
1	X= 0.000	Y=0.000	Z=0.000
2	X= 4.495	Y=-0.322	Z=-0.116
3	X= 9.491	Y=-0.663	Z=-0.244
4	X= 14.488	Y=-0.989	Z=-0.373
5	X= 19.487	Y=-1.297	Z=-0.501
6	X= 24.486	Y=-1.589	Z=-0.630
7	X= 29.486	Y=-1.864	Z=-0.758
8	X= 34.487	Y=-2.122	Z=-0.887
9	X= 39.489	Y=-2.364	Z=-1.015
10	X= 44.491	Y=-2.589	Z=-1.144
11	X= 49.495	Y=-2.797	Z=-1.272
12	X= 54.499	Y=-2.989	Z=-1.401
13	X= 59.503	Y=-3.164	Z=-1.529
14	X= 64.508	Y=-3.322	Z=-1.658
15	X= 69.514	Y=-3.464	Z=-1.786
16	X= 74.520	Y=-3.589	Z=-1.915
17	X= 79.527	Y=-3.697	Z=-2.043
18	X= 84.534	Y=-3.789	Z=-2.172
19	X= 89.541	Y=-3.864	Z=-2.300
20	X= 94.548	Y=-3.922	Z=-2.429
21	X= 99.555	Y=-3.964	Z=-2.557
22	X= 104.563	Y=-3.988	Z=-2.686
23	X= 109.571	Y=-3.997	Z=-2.815
24	X= 114.578	Y=-3.988	Z=-2.943
25	X= 119.586	Y=-3.963	Z=-3.072
26	X= 124.593	Y=-3.921	Z=-3.200
27	X= 129.601	Y=-3.862	Z=-3.329
28	X= 134.608	Y=-3.787	Z=-3.457
29	X= 139.615	Y=-3.695	Z=-3.586
30	X= 144.621	Y=-3.586	Z=-3.714
31	X= 149.627	Y=-3.461	Z=-3.843
32	X= 154.633	Y=-3.319	Z=-3.971
33	X= 159.638	Y=-3.160	Z=-4.100
34	X= 164.643	Y=-2.984	Z=-4.228
35	X= 169.647	Y=-2.792	Z=-4.357
36	X= 174.650	Y=-2.584	Z=-4.485
37	X= 179.653	Y=-2.358	Z=-4.614
38	X= 184.654	Y=-2.116	Z=-4.742
39	X= 189.655	Y=-1.857	Z=-4.871
40	X= 194.655	Y=-1.582	Z=-4.999
41	X= 199.655	Y=-1.289	Z=-5.128
42	X= 204.653	Y=-0.981	Z=-5.256
43	X= 209.650	Y=-0.655	Z=-5.385
44	X= 214.646	Y=-0.313	Z=-5.513
45	X= 219.141	Y=0.009	Z=-5.629
46	X= -0.583	Y=-7.979	Z=0.400
47	X= 3.936	Y=-8.302	Z=0.284
48	X= 8.959	Y=-8.646	Z=0.156
49	X= 13.982	Y=-8.973	Z=0.027
50	X= 19.007	Y=-9.283	Z=-0.101
51	X= 24.033	Y=-9.576	Z=-0.230
52	X= 29.060	Y=-9.852	Z=-0.358
53	X= 34.087	Y=-10.112	Z=-0.487
54	X= 39.116	Y=-10.355	Z=-0.615
55	X= 44.145	Y=-10.581	Z=-0.744
56	X= 49.175	Y=-10.791	Z=-0.872
57	X= 54.206	Y=-10.984	Z=-1.001
58	X= 59.237	Y=-11.160	Z=-1.129
59	X= 64.269	Y=-11.319	Z=-1.258
60	X= 69.301	Y=-11.461	Z=-1.386
61	X= 74.334	Y=-11.587	Z=-1.515
62	X= 79.367	Y=-11.696	Z=-1.643
63	X= 84.401	Y=-11.788	Z=-1.772
64	X= 89.434	Y=-11.863	Z=-1.900
65	X= 94.468	Y=-11.922	Z=-2.029
66	X= 99.502	Y=-11.963	Z=-2.157
67	X= 104.537	Y=-11.988	Z=-2.286
68	X= 109.571	Y=-11.997	Z=-2.415
69	X= 114.605	Y=-11.988	Z=-2.543
70	X= 119.640	Y=-11.963	Z=-2.672
71	X= 124.674	Y=-11.920	Z=-2.800
72	X= 129.708	Y=-11.861	Z=-2.929
73	X= 134.742	Y=-11.786	Z=-3.057
74	X= 139.775	Y=-11.693	Z=-3.186
75	X= 144.808	Y=-11.584	Z=-3.314
76	X= 149.841	Y=-11.458	Z=-3.443
77	X= 154.873	Y=-11.315	Z=-3.571
78	X= 159.905	Y=-11.155	Z=-3.700
79	X= 164.936	Y=-10.979	Z=-3.828
80	X= 169.967	Y=-10.786	Z=-3.957
81	X= 174.997	Y=-10.576	Z=-4.085
82	X= 180.026	Y=-10.349	Z=-4.214
83	X= 185.054	Y=-10.106	Z=-4.342
84	X= 190.082	Y=-9.846	Z=-4.471
85	X= 195.109	Y=-9.569	Z=-4.599
86	X= 200.135	Y=-9.275	Z=-4.728
87	X= 205.159	Y=-8.965	Z=-4.856
88	X= 210.183	Y=-8.637	Z=-4.985

89	X= 215.206	Y=-8.293	Z=-5.113
90	X= 219.725	Y=-7.970	Z=-5.229
91	X= -0.292	Y=-3.989	Z=0.200
92	X= 4.216	Y=-4.312	Z=0.084
93	X= 9.225	Y=-4.655	Z=-0.044
94	X= 14.235	Y=-4.981	Z=-0.173
95	X= 19.247	Y=-5.290	Z=-0.301
96	X= 24.259	Y=-5.582	Z=-0.430
97	X= 29.273	Y=-5.858	Z=-0.558
98	X= 34.287	Y=-6.117	Z=-0.687
99	X= 39.302	Y=-6.360	Z=-0.815
100	X= 44.318	Y=-6.585	Z=-0.944
101	X= 49.335	Y=-6.794	Z=-1.072
102	X= 54.352	Y=-6.986	Z=-1.201
103	X= 59.370	Y=-7.162	Z=-1.329
104	X= 64.389	Y=-7.321	Z=-1.458
105	X= 69.408	Y=-7.463	Z=-1.586
106	X= 74.427	Y=-7.588	Z=-1.715
107	X= 79.447	Y=-7.697	Z=-1.843
108	X= 84.467	Y=-7.788	Z=-1.972
109	X= 89.487	Y=-7.863	Z=-2.100
110	X= 94.508	Y=-7.922	Z=-2.229
111	X= 99.529	Y=-7.963	Z=-2.357
112	X= 104.550	Y=-7.988	Z=-2.486
113	X= 109.571	Y=-7.997	Z=-2.615
114	X= 114.592	Y=-7.988	Z=-2.743
115	X= 119.613	Y=-7.963	Z=-2.872
116	X= 124.634	Y=-7.921	Z=-3.000
117	X= 129.654	Y=-7.862	Z=-3.129
118	X= 134.675	Y=-7.786	Z=-3.257
119	X= 139.695	Y=-7.694	Z=-3.386
120	X= 144.715	Y=-7.585	Z=-3.514
121	X= 149.734	Y=-7.459	Z=-3.643
122	X= 154.753	Y=-7.317	Z=-3.771
123	X= 159.772	Y=-7.158	Z=-3.900
124	X= 164.789	Y=-6.982	Z=-4.028
125	X= 169.807	Y=-6.789	Z=-4.157
126	X= 174.823	Y=-6.580	Z=-4.285
127	X= 179.839	Y=-6.354	Z=-4.414
128	X= 184.854	Y=-6.111	Z=-4.542
129	X= 189.869	Y=-5.851	Z=-4.671
130	X= 194.882	Y=-5.575	Z=-4.799
131	X= 199.895	Y=-5.282	Z=-4.928
132	X= 204.906	Y=-4.973	Z=-5.056
133	X= 209.916	Y=-4.646	Z=-5.185
134	X= 214.926	Y=-4.303	Z=-5.313
135	X= 219.433	Y=-3.980	Z=-5.429
136	X= 0.000	Y=0.000	Z=-1.200
137	X= 54.499	Y=-2.989	Z=-2.701
138	X= 109.571	Y=-3.997	Z=-4.115
139	X= 164.643	Y=-2.984	Z=-5.528
140	X= 219.141	Y=0.009	Z=-6.829
141	X= -0.583	Y=-7.979	Z=-0.800
142	X= 54.206	Y=-10.984	Z=-2.301
143	X= 109.571	Y=-11.997	Z=-3.715
144	X= 164.936	Y=-10.979	Z=-5.128
145	X= 219.725	Y=-7.970	Z=-6.429

LOCAL			
ADD= 136	ANG=-2.089		
ADD= 137	ANG=-1.048		
ADD= 138	ANG=0.002		
ADD= 139	ANG=1.053		
ADD= 140	ANG=2.094		
ADD= 141	ANG=2.070		
ADD= 142	ANG=7.193		
ADD= 143	ANG=0.002		
ADD= 144	ANG=-7.188		
ADD= 145	ANG=-2.066		

RESTRAINT			
ADD= 136	DOF=	U2, U3,	
ADD= 137	DOF=	U2, U3,	
ADD= 138	DOF=	U1, U2, U3,	
ADD= 139	DOF=	U2, U3,	
ADD= 140	DOF=	U2, U3,	
ADD= 141	DOF=	U3,	
ADD= 142	DOF=	U3,	
ADD= 143	DOF=	U1, U3,	
ADD= 144	DOF=	U3,	
ADD= 145	DOF=	U3,	

MATERIAL			
Name=1			
E=2.1e+008			
Name=2			
E=2.1e+008			
Name=3			
E=2.1e+008			
Name=4			
E=2.1e+008			
Name=5			
E=2.1e+008			
Name=6			
E=2.1e+008			
Name=7			
E=2.1e+008			

Name=8			
E=2.1e+008			
Name=9			
E=2.1e+008			
Name=10			
E=2.1e+008			
Name=11			
E=2.1e+008			
Name=12			
E=2.1e+008			
Name=13			
E=2.1e+008			
Name=14			
E=2.1e+008			

FRAME SECTION					
Name= 1	Mat= 1	A=0.12630	I=0.12429233,		
0.12367176	J=0.16215595				
Name= 2	Mat= 2	A=0.13110	I=0.14874824,		
0.13124400	J=0.18342365				
Name= 3	Mat= 3	A=0.14730	I=0.17707150,		
0.14108550	J=0.20908017				
Name= 4	Mat= 4	A=0.17970	I=0.23220652,		
0.16076850	J=0.24464268				
Name= 5	Mat= 5	A=0.14280	I=0.16759843,		
0.13452450	J=0.19211020				
Name= 6	Mat= 6	A=0.19050	I=0.25084663,		
0.16732950	J=0.25626635				
Name= 7	Mat= 7	A=0.25530	I=0.36524198,		
0.20669550	J=0.29597500				
Name= 8	Mat= 8	A=0.19680	I=0.26121156,		
0.16732950	J=0.25626635				
Name= 9	Mat= 9	A=0.13650	I=0.15848066,		
0.13452450	J=0.19211020				
Name= 10	Mat= 10	A=0.03120	I=0.01528675,		
0.00005429	J=0.00000150				
Name= 11	Mat= 11	A=0.02520	I=0.00749015,		
0.00005422	J=0.00000121				
Name= 12	Mat= 12	A=0.01100	I=0.00064517,		
0.00002609	J=0.00000037				
Name= 13	Mat= 13	A=0.01300	I=0.00124683,		
0.00002611	J=0.00000043				
Name= 14	Mat= 14	A=10.00000	I=10.00000000,		
10.00000000	J=10.00000000				
Name= 15	Type=Nonpr	Sec= 1,	2	Eivar=2,1	
Name= 16	Type=Nonpr	Sec= 2,	1		
Name= 17	Type=Nonpr	Sec= 2,	3		
Name= 18	Type=Nonpr	Sec= 3,	2		
Name= 19	Type=Nonpr	Sec= 3,	4		
Name= 20	Type=Nonpr	Sec= 3,	5		
Name= 21	Type=Nonpr	Sec= 3,	9		
Name= 22	Type=Nonpr	Sec= 4,	3		
Name= 23	Type=Nonpr	Sec= 5,	3		
Name= 24	Type=Nonpr	Sec= 5,	6		
Name= 25	Type=Nonpr	Sec= 5,	8		
Name= 26	Type=Nonpr	Sec= 5,	9		
Name= 27	Type=Nonpr	Sec= 6,	5		
Name= 28	Type=Nonpr	Sec= 6,	7		
Name= 29	Type=Nonpr	Sec= 7,	6		
Name= 30	Type=Nonpr	Sec= 7,	8		
Name= 31	Type=Nonpr	Sec= 8,	5		
Name= 32	Type=Nonpr	Sec= 8,	7		
Name= 33	Type=Nonpr	Sec= 9,	3		
Name= 34	Type=Nonpr	Sec= 9,	5		

FRAME						
1	J=	1,	2	Sec=15	Local=12	Pldir=+Z,+X
NSEG=4						
2	J=	2,	3	Sec=17		
3	J=	3,	4	Sec=19		
4	J=	4,	5	Sec= 4		
5	J=	5,	6	Sec= 4		
6	J=	6,	7	Sec= 4		
7	J=	7,	8	Sec=22		
8	J=	8,	9	Sec=20		
9	J=	9,	10	Sec= 5		
10	J=	10,	11	Sec=24		
11	J=	11,	12	Sec=28		
12	J=	12,	13	Sec= 7		
13	J=	13,	14	Sec=30		
14	J=	14,	15	Sec=31		
15	J=	15,	16	Sec=26		
16	J=	16,	17	Sec=33		
17	J=	17,	18	Sec= 3		
18	J=	18,	19	Sec= 3		
19	J=	19,	20	Sec=20		
20	J=	20,	21	Sec= 5		
21	J=	21,	22	Sec=24		
22	J=	22,	23	Sec= 6		
23	J=	23,	24	Sec= 6		
24	J=	24,	25	Sec=27		
25	J=	25,	26	Sec= 5		
26	J=	26,	27	Sec=23		
27	J=	27,	28	Sec= 3		
28	J=	28,	29	Sec= 3		
29	J=	29,	30	Sec=21		
30	J=	30,	31	Sec=34		

31 J= 31, 32 Sec=25
32 J= 32, 33 Sec=32
33 J= 33, 34 Sec= 7
34 J= 34, 35 Sec=29
35 J= 35, 36 Sec=27
36 J= 36, 37 Sec= 5
37 J= 37, 38 Sec=23
38 J= 38, 39 Sec=19
39 J= 39, 40 Sec= 4
40 J= 40, 41 Sec= 4
41 J= 41, 42 Sec= 4
42 J= 42, 43 Sec=22
43 J= 43, 44 Sec=18
44 J= 44, 45 Sec=16
45 J= 46, 47 Sec=15
46 J= 47, 48 Sec=17
47 J= 48, 49 Sec=19
48 J= 49, 50 Sec= 4
49 J= 50, 51 Sec= 4
50 J= 51, 52 Sec= 4
51 J= 52, 53 Sec=22
52 J= 53, 54 Sec=20
53 J= 54, 55 Sec= 5
54 J= 55, 56 Sec=24
55 J= 56, 57 Sec=28
56 J= 57, 58 Sec= 7
57 J= 58, 59 Sec=30
58 J= 59, 60 Sec=31
59 J= 60, 61 Sec=26
60 J= 61, 62 Sec=33
61 J= 62, 63 Sec= 3
62 J= 63, 64 Sec= 3
63 J= 64, 65 Sec=20
64 J= 65, 66 Sec= 5
65 J= 66, 67 Sec=24
66 J= 67, 68 Sec= 6
67 J= 68, 69 Sec= 6
68 J= 69, 70 Sec=27
69 J= 70, 71 Sec= 5
70 J= 71, 72 Sec=23
71 J= 72, 73 Sec= 3
72 J= 73, 74 Sec= 3
73 J= 74, 75 Sec=21
74 J= 75, 76 Sec=34
75 J= 76, 77 Sec=25
76 J= 77, 78 Sec=32
77 J= 78, 79 Sec= 7
78 J= 79, 80 Sec=29
79 J= 80, 81 Sec=27
80 J= 81, 82 Sec= 5
81 J= 82, 83 Sec=23
82 J= 83, 84 Sec=19
83 J= 84, 85 Sec= 4
84 J= 85, 86 Sec= 4
85 J= 86, 87 Sec= 4
86 J= 87, 88 Sec=22
87 J= 88, 89 Sec=18
88 J= 89, 90 Sec=16
89 J= 1, 91 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
90 J= 91, 46 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
91 J= 2, 92 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
92 J= 92, 47 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
93 J= 3, 93 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
94 J= 93, 48 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
95 J= 4, 94 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
96 J= 94, 49 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
97 J= 5, 95 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
98 J= 95, 50 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
99 J= 6, 96 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
100 J= 96, 51 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
101 J= 7, 97 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
102 J= 97, 52 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
103 J= 8, 98 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
104 J= 98, 53 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
105 J= 9, 99 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
106 J= 99, 54 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
107 J= 10, 100 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
108 J=100, 55 Sec=11 IOFF=0.000 JOFF=1.250

RIGID=1.0
109 J= 11, 101 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
110 J=101, 56 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
111 J= 12, 102 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
112 J=102, 57 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
113 J= 13, 103 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
114 J=103, 58 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
115 J= 14, 104 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
116 J=104, 59 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
117 J= 15, 105 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
118 J=105, 60 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
119 J= 16, 106 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
120 J=106, 61 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
121 J= 17, 107 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
122 J=107, 62 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
123 J= 18, 108 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
124 J=108, 63 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
125 J= 19, 109 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
126 J=109, 64 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
127 J= 20, 110 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
128 J=110, 65 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
129 J= 21, 111 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
130 J=111, 66 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
131 J= 22, 112 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
132 J=112, 67 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
133 J= 23, 113 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
134 J=113, 68 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
135 J= 24, 114 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
136 J=114, 69 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
137 J= 25, 115 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
138 J=115, 70 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
139 J= 26, 116 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
140 J=116, 71 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
141 J= 27, 117 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
142 J=117, 72 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
143 J= 28, 118 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
144 J=118, 73 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
145 J= 29, 119 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
146 J=119, 74 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
147 J= 30, 120 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
148 J=120, 75 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
149 J= 31, 121 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
150 J=121, 76 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
151 J= 32, 122 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
152 J=122, 77 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
153 J= 33, 123 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
154 J=123, 78 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
155 J= 34, 124 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
156 J=124, 79 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0

157 J= 35, 125 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
158 J=125, 80 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
159 J= 36, 126 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
160 J=126, 81 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
161 J= 37, 127 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
162 J=127, 82 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
163 J= 38, 128 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
164 J=128, 83 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
165 J= 39, 129 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
166 J=129, 84 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
167 J= 40, 130 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
168 J=130, 85 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
169 J= 41, 131 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
170 J=131, 86 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
171 J= 42, 132 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
172 J=132, 87 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
173 J= 43, 133 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
174 J=133, 88 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
175 J= 44, 134 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
176 J=134, 89 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
177 J= 45, 135 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
178 J=135, 90 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
179 J= 91, 92 Sec=12
180 J= 92, 93 Sec=13
181 J= 93, 94 Sec=13
182 J= 94, 95 Sec=13
183 J= 95, 96 Sec=13
184 J= 96, 97 Sec=13
185 J= 97, 98 Sec=13
186 J= 98, 99 Sec=13
187 J= 99, 100 Sec=13
188 J=100, 101 Sec=13
189 J=101, 102 Sec=13
190 J=102, 103 Sec=13
191 J=103, 104 Sec=13
192 J=104, 105 Sec=13
193 J=105, 106 Sec=13
194 J=106, 107 Sec=13
195 J=107, 108 Sec=13
196 J=108, 109 Sec=13
197 J=109, 110 Sec=13
198 J=110, 111 Sec=13
199 J=111, 112 Sec=13
200 J=112, 113 Sec=13
201 J=113, 114 Sec=13
202 J=114, 115 Sec=13
203 J=115, 116 Sec=13
204 J=116, 117 Sec=13
205 J=117, 118 Sec=13
206 J=118, 119 Sec=13
207 J=119, 120 Sec=13
208 J=120, 121 Sec=13
209 J=121, 122 Sec=13
210 J=122, 123 Sec=13
211 J=123, 124 Sec=13
212 J=124, 125 Sec=13
213 J=125, 126 Sec=13
214 J=126, 127 Sec=13
215 J=127, 128 Sec=13
216 J=128, 129 Sec=13
217 J=129, 130 Sec=13
218 J=130, 131 Sec=13
219 J=131, 132 Sec=13
220 J=132, 133 Sec=13
221 J=133, 134 Sec=13
222 J=134, 135 Sec=12
223 J= 1, 136 Sec=14
224 J= 12, 137 Sec=14
225 J= 23, 138 Sec=14
226 J= 34, 139 Sec=14
227 J= 45, 140 Sec=14
228 J= 46, 141 Sec=14
229 J= 57, 142 Sec=14
230 J= 68, 143 Sec=14
231 J= 79, 144 Sec=14

R1=7.648, 7.648
Add= 32 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 33 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 34 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 35 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 36 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 37 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 38 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 39 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 40 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 41 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 42 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 43 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 44 RD=0.000, 1.000 Uzp=-41.574, -41.574
R1=7.648, 7.648
Add= 45 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 46 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 47 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 48 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 49 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 50 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 51 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 52 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 53 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 54 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 55 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 56 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 57 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 58 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 59 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 60 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 61 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 62 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 63 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 64 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 65 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 66 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 67 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 68 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 69 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 70 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 71 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 72 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 73 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 74 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 75 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 76 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 77 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 78 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 79 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877

Add= 80 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 81 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 82 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 83 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 84 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 85 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 86 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 87 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add= 88 RD=0.000, 1.000 Uzp=-41.694, -41.694
R1=1.877, 1.877
Add=179 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=180 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=181 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=182 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=183 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=184 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=185 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=186 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=187 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=188 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=189 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=190 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=191 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=192 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=193 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=194 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=195 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=196 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=197 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=198 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=199 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=200 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=201 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=202 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=203 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=204 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=205 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=206 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=207 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=208 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=209 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=210 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=211 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=212 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=213 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=214 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=215 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=216 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=217 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=218 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=219 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=220 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=221 RD=0.000, 1.000 Uzp=-18.801, -18.801
Add=222 RD=0.000, 1.000 Uzp=-18.801, -18.801

OUTPUT

Elem=Joint Type=Disp,REAC Load=**
Elem=Frame Type=Force Load=**

< AFTER COMPOSITE SELF-WEIGHT LOAD >

SYSTEM

LENGTH=M FORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.495 Y=-0.322 Z=-0.116
3 X= 9.491 Y=-0.663 Z=-0.244
4 X= 14.488 Y=-0.989 Z=-0.373
5 X= 19.487 Y=-1.297 Z=-0.501
6 X= 24.486 Y=-1.589 Z=-0.630
7 X= 29.486 Y=-1.864 Z=-0.758
8 X= 34.487 Y=-2.122 Z=-0.887
9 X= 39.489 Y=-2.364 Z=-1.015
10 X= 44.491 Y=-2.589 Z=-1.144
11 X= 49.495 Y=-2.797 Z=-1.272
12 X= 54.499 Y=-2.989 Z=-1.401
13 X= 59.503 Y=-3.164 Z=-1.529
14 X= 64.508 Y=-3.322 Z=-1.658
15 X= 69.514 Y=-3.464 Z=-1.786
16 X= 74.520 Y=-3.589 Z=-1.915
17 X= 79.527 Y=-3.697 Z=-2.043
18 X= 84.534 Y=-3.789 Z=-2.172
19 X= 89.541 Y=-3.864 Z=-2.300
20 X= 94.548 Y=-3.922 Z=-2.429
21 X= 99.555 Y=-3.964 Z=-2.557
22 X= 104.563 Y=-3.988 Z=-2.686
23 X= 109.571 Y=-3.997 Z=-2.815
24 X= 114.578 Y=-3.988 Z=-2.943

25 X= 119.586 Y=-3.963 Z=-3.072
26 X= 124.593 Y=-3.921 Z=-3.200
27 X= 129.601 Y=-3.862 Z=-3.329
28 X= 134.608 Y=-3.787 Z=-3.457
29 X= 139.615 Y=-3.695 Z=-3.586
30 X= 144.621 Y=-3.586 Z=-3.714
31 X= 149.627 Y=-3.461 Z=-3.843
32 X= 154.633 Y=-3.319 Z=-3.971
33 X= 159.638 Y=-3.160 Z=-4.100
34 X= 164.643 Y=-2.984 Z=-4.228
35 X= 169.647 Y=-2.792 Z=-4.357
36 X= 174.650 Y=-2.584 Z=-4.485
37 X= 179.653 Y=-2.358 Z=-4.614
38 X= 184.654 Y=-2.116 Z=-4.742
39 X= 189.655 Y=-1.857 Z=-4.871
40 X= 194.655 Y=-1.582 Z=-4.999
41 X= 199.655 Y=-1.289 Z=-5.128
42 X= 204.653 Y=-0.981 Z=-5.256
43 X= 209.650 Y=-0.655 Z=-5.385
44 X= 214.646 Y=-0.313 Z=-5.513
45 X= 219.141 Y=0.009 Z=-5.629
46 X= -0.583 Y=-7.979 Z=0.400
47 X= 3.936 Y=-8.302 Z=0.284
48 X= 8.959 Y=-8.646 Z=0.156
49 X= 13.982 Y=-8.973 Z=0.027
50 X= 19.007 Y=-9.283 Z=-0.101
51 X= 24.033 Y=-9.576 Z=-0.230
52 X= 29.060 Y=-9.852 Z=-0.358
53 X= 34.087 Y=-10.112 Z=-0.487
54 X= 39.116 Y=-10.355 Z=-0.615
55 X= 44.145 Y=-10.581 Z=-0.744
56 X= 49.175 Y=-10.791 Z=-0.872
57 X= 54.206 Y=-10.984 Z=-1.001
58 X= 59.237 Y=-11.160 Z=-1.129
59 X= 64.269 Y=-11.319 Z=-1.258
60 X= 69.301 Y=-11.461 Z=-1.386
61 X= 74.334 Y=-11.587 Z=-1.515
62 X= 79.367 Y=-11.696 Z=-1.643
63 X= 84.401 Y=-11.788 Z=-1.772
64 X= 89.434 Y=-11.863 Z=-1.900
65 X= 94.468 Y=-11.922 Z=-2.029
66 X= 99.502 Y=-11.963 Z=-2.157
67 X= 104.537 Y=-11.988 Z=-2.286
68 X= 109.571 Y=-11.997 Z=-2.415
69 X= 114.605 Y=-11.988 Z=-2.543
70 X= 119.640 Y=-11.963 Z=-2.672
71 X= 124.674 Y=-11.920 Z=-2.800
72 X= 129.708 Y=-11.861 Z=-2.929
73 X= 134.742 Y=-11.786 Z=-3.057
74 X= 139.775 Y=-11.693 Z=-3.186
75 X= 144.808 Y=-11.584 Z=-3.314
76 X= 149.841 Y=-11.458 Z=-3.443
77 X= 154.873 Y=-11.315 Z=-3.571
78 X= 159.905 Y=-11.155 Z=-3.700
79 X= 164.936 Y=-10.979 Z=-3.828
80 X= 169.967 Y=-10.786 Z=-3.957
81 X= 174.997 Y=-10.576 Z=-4.085
82 X= 180.026 Y=-10.349 Z=-4.214
83 X= 185.054 Y=-10.106 Z=-4.342
84 X= 190.082 Y=-9.846 Z=-4.471
85 X= 195.109 Y=-9.569 Z=-4.599
86 X= 200.135 Y=-9.275 Z=-4.728
87 X= 205.159 Y=-8.965 Z=-4.856
88 X= 210.183 Y=-8.637 Z=-4.985
89 X= 215.206 Y=-8.293 Z=-5.113
90 X= 219.725 Y=-7.970 Z=-5.229
91 X= -0.292 Y=-3.989 Z=0.200
92 X= 4.216 Y=-4.312 Z=0.084
93 X= 9.225 Y=-4.655 Z=-0.044
94 X= 14.235 Y=-4.981 Z=-0.173
95 X= 19.247 Y=-5.290 Z=-0.301
96 X= 24.259 Y=-5.582 Z=-0.430
97 X= 29.273 Y=-5.858 Z=-0.558
98 X= 34.287 Y=-6.117 Z=-0.687
99 X= 39.302 Y=-6.360 Z=-0.815
100 X= 44.318 Y=-6.585 Z=-0.944
101 X= 49.335 Y=-6.794 Z=-1.072
102 X= 54.352 Y=-6.986 Z=-1.201
103 X= 59.370 Y=-7.162 Z=-1.329
104 X= 64.389 Y=-7.321 Z=-1.458
105 X= 69.408 Y=-7.463 Z=-1.586
106 X= 74.427 Y=-7.588 Z=-1.715
107 X= 79.447 Y=-7.697 Z=-1.843
108 X= 84.467 Y=-7.788 Z=-1.972
109 X= 89.487 Y=-7.863 Z=-2.100
110 X= 94.508 Y=-7.922 Z=-2.229
111 X= 99.529 Y=-7.963 Z=-2.357
112 X= 104.550 Y=-7.988 Z=-2.486
113 X= 109.571 Y=-7.997 Z=-2.615
114 X= 114.592 Y=-7.988 Z=-2.743
115 X= 119.613 Y=-7.963 Z=-2.872
116 X= 124.634 Y=-7.921 Z=-3.000
117 X= 129.654 Y=-7.862 Z=-3.129
118 X= 134.675 Y=-7.786 Z=-3.257
119 X= 139.695 Y=-7.694 Z=-3.386
120 X= 144.715 Y=-7.585 Z=-3.514
121 X= 149.734 Y=-7.459 Z=-3.643

122 X= 154.753 Y=-7.317 Z=-3.771
123 X= 159.772 Y=-7.158 Z=-3.900
124 X= 164.789 Y=-6.982 Z=-4.028
125 X= 169.807 Y=-6.789 Z=-4.157
126 X= 174.823 Y=-6.580 Z=-4.285
127 X= 179.839 Y=-6.354 Z=-4.414
128 X= 184.854 Y=-6.111 Z=-4.542
129 X= 189.869 Y=-5.851 Z=-4.671
130 X= 194.882 Y=-5.575 Z=-4.799
131 X= 199.895 Y=-5.282 Z=-4.928
132 X= 204.906 Y=-4.973 Z=-5.056
133 X= 209.916 Y=-4.646 Z=-5.185
134 X= 214.926 Y=-4.303 Z=-5.313
135 X= 219.433 Y=-3.980 Z=-5.429
136 X= 0.000 Y=0.000 Z=-1.200
137 X= 54.499 Y=-2.989 Z=-2.701
138 X= 109.571 Y=-3.997 Z=-4.115
139 X= 164.643 Y=-2.984 Z=-5.528
140 X= 219.141 Y=0.009 Z=-6.829
141 X= -0.583 Y=-7.979 Z=-0.800
142 X= 54.206 Y=-10.984 Z=-2.301
143 X= 109.571 Y=-11.997 Z=-3.715
144 X= 164.936 Y=-10.979 Z=-5.128
145 X= 219.725 Y=-7.970 Z=-6.429

LOCAL

ADD= 136 ANG=-2.089
ADD= 137 ANG=-1.048
ADD= 138 ANG=0.002
ADD= 139 ANG=1.053
ADD= 140 ANG=2.094
ADD= 141 ANG=2.070
ADD= 142 ANG=7.193
ADD= 143 ANG=0.002
ADD= 144 ANG=-7.188
ADD= 145 ANG=-2.066

RESTRAINT

ADD= 136 DOF= U2, U3,
ADD= 137 DOF= U2, U3,
ADD= 138 DOF= U1, U2, U3,
ADD= 139 DOF= U2, U3,
ADD= 140 DOF= U2, U3,
ADD= 141 DOF= U3,
ADD= 142 DOF= U3,
ADD= 143 DOF= U1, U3,
ADD= 144 DOF= U3,
ADD= 145 DOF= U3,

MATERIAL

Name=1
E=2.1e+008
Name=2
E=2.1e+008
Name=3
E=2.1e+008
Name=4
E=2.1e+008
Name=5
E=2.1e+008
Name=6
E=2.1e+008
Name=7
E=2.1e+008
Name=8
E=2.1e+008
Name=9
E=2.1e+008
Name=10
E=2.1e+008
Name=11
E=2.1e+008
Name=12
E=2.1e+008
Name=13
E=2.1e+008
Name=14
E=2.1e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.32317 I=0.25915253,
0.77483583 J=0.20538983
Name= 2 Mat= 2 A=0.32797 I=0.30759305,
0.78240806 J=0.23014593
Name= 3 Mat= 3 A=0.34418 I=0.36035489,
0.79224956 J=0.25606893
Name= 4 Mat= 4 A=0.37657 I=0.45922193,
0.81193256 J=0.28671088
Name= 5 Mat= 5 A=0.33968 I=0.36100082,
0.78568856 J=0.24393798
Name= 6 Mat= 6 A=0.38737 I=0.48536461,
0.81849356 J=0.28897515
Name= 7 Mat= 7 A=0.45217 I=0.62763961,
0.85785956 J=0.31675455
Name= 8 Mat= 8 A=0.39368 I=0.48701231,
0.81849356 J=0.28897515
Name= 9 Mat= 9 A=0.33337 I=0.33377381,

0.78568856 J=0.24393798
Name= 10 Mat= 10 A=0.03120 I=0.01528675,
0.00005429 J=0.00000150
Name= 11 Mat= 11 A=0.02520 I=0.00749015,
0.00005422 J=0.00000121
Name= 12 Mat= 12 A=0.01100 I=0.00064517,
0.00002609 J=0.00000037
Name= 13 Mat= 13 A=0.01300 I=0.00124683,
0.00002611 J=0.00000043
Name= 14 Mat= 14 A=10.00000 I=10.00000000,
10.00000000 J=10.00000000
Name= 15 Type=Nonpr Sec= 1, 2 Eivar=2,1
Name= 16 Type=Nonpr Sec= 2, 1
Name= 17 Type=Nonpr Sec= 2, 3
Name= 18 Type=Nonpr Sec= 3, 2
Name= 19 Type=Nonpr Sec= 3, 4
Name= 20 Type=Nonpr Sec= 3, 5
Name= 21 Type=Nonpr Sec= 3, 9
Name= 22 Type=Nonpr Sec= 4, 3
Name= 23 Type=Nonpr Sec= 5, 3
Name= 24 Type=Nonpr Sec= 5, 6
Name= 25 Type=Nonpr Sec= 5, 8
Name= 26 Type=Nonpr Sec= 5, 9
Name= 27 Type=Nonpr Sec= 6, 5
Name= 28 Type=Nonpr Sec= 6, 7
Name= 29 Type=Nonpr Sec= 7, 6
Name= 30 Type=Nonpr Sec= 7, 8
Name= 31 Type=Nonpr Sec= 8, 5
Name= 32 Type=Nonpr Sec= 8, 7
Name= 33 Type=Nonpr Sec= 9, 3
Name= 34 Type=Nonpr Sec= 9, 5

FRAME

1 J= 1, 2 Sec=15 Local=12 Pldir=+Z,+X
NSEG=4
2 J= 2, 3 Sec=17
3 J= 3, 4 Sec=19
4 J= 4, 5 Sec= 4
5 J= 5, 6 Sec= 4
6 J= 6, 7 Sec= 4
7 J= 7, 8 Sec=22
8 J= 8, 9 Sec=20
9 J= 9, 10 Sec= 5
10 J= 10, 11 Sec=24
11 J= 11, 12 Sec=28
12 J= 12, 13 Sec= 7
13 J= 13, 14 Sec=30
14 J= 14, 15 Sec=31
15 J= 15, 16 Sec=26
16 J= 16, 17 Sec=33
17 J= 17, 18 Sec= 3
18 J= 18, 19 Sec= 3
19 J= 19, 20 Sec=20
20 J= 20, 21 Sec= 5
21 J= 21, 22 Sec=24
22 J= 22, 23 Sec= 6
23 J= 23, 24 Sec= 6
24 J= 24, 25 Sec=27
25 J= 25, 26 Sec= 5
26 J= 26, 27 Sec=23
27 J= 27, 28 Sec= 3
28 J= 28, 29 Sec= 3
29 J= 29, 30 Sec=21
30 J= 30, 31 Sec=34
31 J= 31, 32 Sec=25
32 J= 32, 33 Sec=32
33 J= 33, 34 Sec= 7
34 J= 34, 35 Sec=29
35 J= 35, 36 Sec=27
36 J= 36, 37 Sec= 5
37 J= 37, 38 Sec=23
38 J= 38, 39 Sec=19
39 J= 39, 40 Sec= 4
40 J= 40, 41 Sec= 4
41 J= 41, 42 Sec= 4
42 J= 42, 43 Sec=22
43 J= 43, 44 Sec=18
44 J= 44, 45 Sec=16
45 J= 46, 47 Sec=15
46 J= 47, 48 Sec=17
47 J= 48, 49 Sec=19
48 J= 49, 50 Sec= 4
49 J= 50, 51 Sec= 4
50 J= 51, 52 Sec= 4
51 J= 52, 53 Sec=22
52 J= 53, 54 Sec=20
53 J= 54, 55 Sec= 5
54 J= 55, 56 Sec=24
55 J= 56, 57 Sec=28
56 J= 57, 58 Sec= 7
57 J= 58, 59 Sec=30
58 J= 59, 60 Sec=31
59 J= 60, 61 Sec=26
60 J= 61, 62 Sec=33
61 J= 62, 63 Sec= 3
62 J= 63, 64 Sec= 3
63 J= 64, 65 Sec=20

64 J= 65, 66 Sec= 5
65 J= 66, 67 Sec=24
66 J= 67, 68 Sec= 6
67 J= 68, 69 Sec= 6
68 J= 69, 70 Sec=27
69 J= 70, 71 Sec= 5
70 J= 71, 72 Sec=23
71 J= 72, 73 Sec= 3
72 J= 73, 74 Sec= 3
73 J= 74, 75 Sec=21
74 J= 75, 76 Sec=34
75 J= 76, 77 Sec=25
76 J= 77, 78 Sec=32
77 J= 78, 79 Sec= 7
78 J= 79, 80 Sec=29
79 J= 80, 81 Sec=27
80 J= 81, 82 Sec= 5
81 J= 82, 83 Sec=23
82 J= 83, 84 Sec=19
83 J= 84, 85 Sec= 4
84 J= 85, 86 Sec= 4
85 J= 86, 87 Sec= 4
86 J= 87, 88 Sec=22
87 J= 88, 89 Sec=18
88 J= 89, 90 Sec=16
89 J= 1, 91 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
90 J= 91, 46 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
91 J= 2, 92 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
92 J= 92, 47 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
93 J= 3, 93 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
94 J= 93, 48 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
95 J= 4, 94 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
96 J= 94, 49 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
97 J= 5, 95 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
98 J= 95, 50 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
99 J= 6, 96 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
100 J= 96, 51 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
101 J= 7, 97 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
102 J= 97, 52 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
103 J= 8, 98 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
104 J= 98, 53 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
105 J= 9, 99 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
106 J= 99, 54 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
107 J= 10, 100 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
108 J=100, 55 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
109 J= 11, 101 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
110 J=101, 56 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
111 J= 12, 102 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
112 J=102, 57 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
113 J= 13, 103 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
114 J=103, 58 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
115 J= 14, 104 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
116 J=104, 59 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
117 J= 15, 105 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
118 J=105, 60 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
119 J= 16, 106 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
120 J=106, 61 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
121 J= 17, 107 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
122 J=107, 62 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
123 J= 18, 108 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
124 J=108, 63 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0

Add= 63 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 64 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 65 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 66 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 67 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 68 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 69 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 70 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 71 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 72 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 73 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 74 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 75 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 76 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 77 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 78 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 79 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 80 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 81 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 82 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 83 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 84 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 85 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 86 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 87 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add= 88 RD=0.000, 1.000 Uzp=-18.714, -18.714
R1=18.239, 18.239
Add=179 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=180 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=181 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=182 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=183 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=184 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=185 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=186 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=187 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=188 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=189 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=190 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=191 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=192 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=193 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=194 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=195 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=196 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=197 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=198 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=199 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=200 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=201 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=202 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=203 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=204 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=205 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=206 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=207 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=208 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=209 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=210 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=211 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=212 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=213 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=214 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=215 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=216 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=217 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=218 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=219 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=220 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=221 RD=0.000, 1.000 Uzp=-7.139, -7.139
Add=222 RD=0.000, 1.000 Uzp=-7.139, -7.139

OUTPUT
Elem=Joint Type=Disp,REAC Load=* Comb=*
Elem=Frame Type=Force Load=* Comb=*
< MOVING LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT
1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.495 Y=-0.322 Z=-0.116
3 X= 9.491 Y=-0.663 Z=-0.244
4 X= 14.488 Y=-0.989 Z=-0.373
5 X= 19.487 Y=-1.297 Z=-0.501
6 X= 24.486 Y=-1.589 Z=-0.630
7 X= 29.486 Y=-1.864 Z=-0.758
8 X= 34.487 Y=-2.122 Z=-0.887
9 X= 39.489 Y=-2.364 Z=-1.015
10 X= 44.491 Y=-2.589 Z=-1.144
11 X= 49.495 Y=-2.797 Z=-1.272
12 X= 54.499 Y=-2.989 Z=-1.401
13 X= 59.503 Y=-3.164 Z=-1.529
14 X= 64.508 Y=-3.322 Z=-1.658
15 X= 69.514 Y=-3.464 Z=-1.786
16 X= 74.520 Y=-3.589 Z=-1.915
17 X= 79.527 Y=-3.697 Z=-2.043
18 X= 84.534 Y=-3.789 Z=-2.172
19 X= 89.541 Y=-3.864 Z=-2.300
20 X= 94.548 Y=-3.922 Z=-2.429
21 X= 99.555 Y=-3.964 Z=-2.557
22 X= 104.563 Y=-3.988 Z=-2.686
23 X= 109.571 Y=-3.997 Z=-2.815
24 X= 114.578 Y=-3.988 Z=-2.943
25 X= 119.586 Y=-3.963 Z=-3.072
26 X= 124.593 Y=-3.921 Z=-3.200
27 X= 129.601 Y=-3.862 Z=-3.329
28 X= 134.608 Y=-3.787 Z=-3.457
29 X= 139.615 Y=-3.695 Z=-3.586
30 X= 144.621 Y=-3.586 Z=-3.714
31 X= 149.627 Y=-3.461 Z=-3.843
32 X= 154.633 Y=-3.319 Z=-3.971
33 X= 159.638 Y=-3.160 Z=-4.100
34 X= 164.643 Y=-2.984 Z=-4.228
35 X= 169.647 Y=-2.792 Z=-4.357
36 X= 174.650 Y=-2.584 Z=-4.485
37 X= 179.653 Y=-2.358 Z=-4.614
38 X= 184.654 Y=-2.116 Z=-4.742
39 X= 189.655 Y=-1.857 Z=-4.871
40 X= 194.655 Y=-1.582 Z=-4.999
41 X= 199.655 Y=-1.289 Z=-5.128
42 X= 204.653 Y=-0.981 Z=-5.256
43 X= 209.650 Y=-0.655 Z=-5.385
44 X= 214.646 Y=-0.313 Z=-5.513
45 X= 219.141 Y=0.009 Z=-5.629
46 X= -0.583 Y=-7.979 Z=0.400
47 X= 3.936 Y=-8.302 Z=0.284
48 X= 8.959 Y=-8.646 Z=0.156
49 X= 13.982 Y=-8.973 Z=0.027
50 X= 19.007 Y=-9.283 Z=-0.101
51 X= 24.033 Y=-9.576 Z=-0.230
52 X= 29.060 Y=-9.852 Z=-0.358
53 X= 34.087 Y=-10.112 Z=-0.487
54 X= 39.116 Y=-10.355 Z=-0.615
55 X= 44.145 Y=-10.581 Z=-0.744
56 X= 49.175 Y=-10.791 Z=-0.872
57 X= 54.206 Y=-10.984 Z=-1.001
58 X= 59.237 Y=-11.160 Z=-1.129
59 X= 64.269 Y=-11.319 Z=-1.258
60 X= 69.301 Y=-11.461 Z=-1.386
61 X= 74.334 Y=-11.587 Z=-1.515
62 X= 79.367 Y=-11.696 Z=-1.643
63 X= 84.401 Y=-11.788 Z=-1.772
64 X= 89.434 Y=-11.863 Z=-1.900
65 X= 94.468 Y=-11.922 Z=-2.029
66 X= 99.502 Y=-11.963 Z=-2.157
67 X= 104.537 Y=-11.988 Z=-2.286
68 X= 109.571 Y=-11.997 Z=-2.415
69 X= 114.605 Y=-11.988 Z=-2.543
70 X= 119.640 Y=-11.963 Z=-2.672
71 X= 124.674 Y=-11.920 Z=-2.800
72 X= 129.708 Y=-11.861 Z=-2.929
73 X= 134.742 Y=-11.786 Z=-3.057
74 X= 139.775 Y=-11.693 Z=-3.186
75 X= 144.808 Y=-11.584 Z=-3.314
76 X= 149.841 Y=-11.458 Z=-3.443
77 X= 154.873 Y=-11.315 Z=-3.571
78 X= 159.905 Y=-11.155 Z=-3.700
79 X= 164.936 Y=-10.979 Z=-3.828
80 X= 169.967 Y=-10.786 Z=-3.957
81 X= 174.997 Y=-10.576 Z=-4.085
82 X= 180.026 Y=-10.349 Z=-4.214
83 X= 185.054 Y=-10.106 Z=-4.342
84 X= 190.082 Y=-9.846 Z=-4.471
85 X= 195.109 Y=-9.569 Z=-4.599
86 X= 200.135 Y=-9.275 Z=-4.728
87 X= 205.159 Y=-8.965 Z=-4.856
88 X= 210.183 Y=-8.637 Z=-4.985

89 X= 215.206 Y=-8.293 Z=-5.113
90 X= 219.725 Y=-7.970 Z=-5.229
91 X= -0.292 Y=-3.989 Z=0.200
92 X= 4.216 Y=-4.312 Z=0.084
93 X= 9.225 Y=-4.655 Z=-0.044
94 X= 14.235 Y=-4.981 Z=-0.173
95 X= 19.247 Y=-5.290 Z=-0.301
96 X= 24.259 Y=-5.582 Z=-0.430
97 X= 29.273 Y=-5.858 Z=-0.558
98 X= 34.287 Y=-6.117 Z=-0.687
99 X= 39.302 Y=-6.360 Z=-0.815
100 X= 44.318 Y=-6.585 Z=-0.944
101 X= 49.335 Y=-6.794 Z=-1.072
102 X= 54.352 Y=-6.986 Z=-1.201
103 X= 59.370 Y=-7.162 Z=-1.329
104 X= 64.389 Y=-7.321 Z=-1.458
105 X= 69.408 Y=-7.463 Z=-1.586
106 X= 74.427 Y=-7.588 Z=-1.715
107 X= 79.447 Y=-7.697 Z=-1.843
108 X= 84.467 Y=-7.788 Z=-1.972
109 X= 89.487 Y=-7.863 Z=-2.100
110 X= 94.508 Y=-7.922 Z=-2.229
111 X= 99.529 Y=-7.963 Z=-2.357
112 X= 104.550 Y=-7.988 Z=-2.486
113 X= 109.571 Y=-7.997 Z=-2.615
114 X= 114.592 Y=-7.988 Z=-2.743
115 X= 119.613 Y=-7.963 Z=-2.872
116 X= 124.634 Y=-7.921 Z=-3.000
117 X= 129.654 Y=-7.862 Z=-3.129
118 X= 134.675 Y=-7.786 Z=-3.257
119 X= 139.695 Y=-7.694 Z=-3.386
120 X= 144.715 Y=-7.585 Z=-3.514
121 X= 149.734 Y=-7.459 Z=-3.643
122 X= 154.753 Y=-7.317 Z=-3.771
123 X= 159.772 Y=-7.158 Z=-3.900
124 X= 164.789 Y=-6.982 Z=-4.028
125 X= 169.807 Y=-6.789 Z=-4.157
126 X= 174.823 Y=-6.580 Z=-4.285
127 X= 179.839 Y=-6.354 Z=-4.414
128 X= 184.854 Y=-6.111 Z=-4.542
129 X= 189.869 Y=-5.851 Z=-4.671
130 X= 194.882 Y=-5.575 Z=-4.799
131 X= 199.895 Y=-5.282 Z=-4.928
132 X= 204.906 Y=-4.973 Z=-5.056
133 X= 209.916 Y=-4.646 Z=-5.185
134 X= 214.926 Y=-4.303 Z=-5.313
135 X= 219.433 Y=-3.980 Z=-5.429
136 X= 0.000 Y=0.000 Z=-1.200
137 X= 54.499 Y=-2.989 Z=-2.701
138 X= 109.571 Y=-3.997 Z=-4.115
139 X= 164.643 Y=-2.984 Z=-5.528
140 X= 219.141 Y=0.009 Z=-6.829
141 X= -0.583 Y=-7.979 Z=-0.800
142 X= 54.206 Y=-10.984 Z=-2.301
143 X= 109.571 Y=-11.997 Z=-3.715
144 X= 164.936 Y=-10.979 Z=-5.128
145 X= 219.725 Y=-7.970 Z=-6.429

LOCAL

ADD= 136 ANG=-2.089
ADD= 137 ANG=-1.048
ADD= 138 ANG=0.002
ADD= 139 ANG=1.053
ADD= 140 ANG=2.094
ADD= 141 ANG=2.070
ADD= 142 ANG=7.193
ADD= 143 ANG=0.002
ADD= 144 ANG=-7.188
ADD= 145 ANG=-2.066

RESTRAINT

ADD= 136 DOF= U2, U3,
ADD= 137 DOF= U2, U3,
ADD= 138 DOF= U1, U2, U3,
ADD= 139 DOF= U2, U3,
ADD= 140 DOF= U2, U3,
ADD= 141 DOF= U3,
ADD= 142 DOF= U3,
ADD= 143 DOF= U1, U3,
ADD= 144 DOF= U3,
ADD= 145 DOF= U3,

MATERIAL

Name=1
E=2.1e+008
Name=2
E=2.1e+008
Name=3
E=2.1e+008
Name=4
E=2.1e+008
Name=5
E=2.1e+008
Name=6
E=2.1e+008
Name=7
E=2.1e+008

Name=8						31 J= 31, 32 Sec=25				RIGID=1.0				
E=2.1e+008						32 J= 32, 33 Sec=32				109 J= 11, 101 Sec=11 IOFF=1.250 JOFF=0.000				
Name=9						33 J= 33, 34 Sec= 7				RIGID=1.0				
E=2.1e+008						34 J= 34, 35 Sec=29				110 J=101, 56 Sec=11 IOFF=0.000 JOFF=1.250				
Name=10						35 J= 35, 36 Sec=27				RIGID=1.0				
E=2.1e+008						36 J= 36, 37 Sec= 5				111 J= 12, 102 Sec=10 IOFF=1.250 JOFF=0.000				
Name=11						37 J= 37, 38 Sec=23				RIGID=1.0				
E=2.1e+008						38 J= 38, 39 Sec=19				112 J=102, 57 Sec=10 IOFF=0.000 JOFF=1.250				
Name=12						39 J= 39, 40 Sec= 4				RIGID=1.0				
E=2.1e+008						40 J= 40, 41 Sec= 4				113 J= 13, 103 Sec=11 IOFF=1.250 JOFF=0.000				
Name=13						41 J= 41, 42 Sec= 4				RIGID=1.0				
E=2.1e+008						42 J= 42, 43 Sec=22				114 J=103, 58 Sec=11 IOFF=0.000 JOFF=1.250				
Name=14						43 J= 43, 44 Sec=18				RIGID=1.0				
E=2.1e+008						44 J= 44, 45 Sec=16				115 J= 14, 104 Sec=11 IOFF=1.250 JOFF=0.000				
FRAME SECTION						45 J= 46, 47 Sec=15				RIGID=1.0				
Name= 1 Mat= 1 A=0.32317 I=0.25915253,						46 J= 47, 48 Sec=17				116 J=104, 59 Sec=11 IOFF=0.000 JOFF=1.250				
0.77483583 J=0.20538983						47 J= 48, 49 Sec=19				RIGID=1.0				
Name= 2 Mat= 2 A=0.32797 I=0.30759305,						48 J= 49, 50 Sec= 4				117 J= 15, 105 Sec=11 IOFF=1.250 JOFF=0.000				
0.78240806 J=0.23014593						49 J= 50, 51 Sec= 4				RIGID=1.0				
Name= 3 Mat= 3 A=0.34418 I=0.36035489,						50 J= 51, 52 Sec= 4				118 J=105, 60 Sec=11 IOFF=0.000 JOFF=1.250				
0.79224956 J=0.25606893						51 J= 52, 53 Sec=22				RIGID=1.0				
Name= 4 Mat= 4 A=0.37657 I=0.45922193,						52 J= 53, 54 Sec=20				119 J= 16, 106 Sec=11 IOFF=1.250 JOFF=0.000				
0.81193256 J=0.28671088						53 J= 54, 55 Sec= 5				RIGID=1.0				
Name= 5 Mat= 5 A=0.33968 I=0.36100082,						54 J= 55, 56 Sec=24				120 J=106, 61 Sec=11 IOFF=0.000 JOFF=1.250				
0.78568856 J=0.24393798						55 J= 56, 57 Sec=28				RIGID=1.0				
Name= 6 Mat= 6 A=0.38737 I=0.48536461,						56 J= 57, 58 Sec= 7				121 J= 17, 107 Sec=11 IOFF=1.250 JOFF=0.000				
0.81849356 J=0.28897515						57 J= 58, 59 Sec=30				RIGID=1.0				
Name= 7 Mat= 7 A=0.45217 I=0.62763961,						58 J= 59, 60 Sec=31				122 J=107, 62 Sec=11 IOFF=0.000 JOFF=1.250				
0.85785956 J=0.31675455						59 J= 60, 61 Sec=26				RIGID=1.0				
Name= 8 Mat= 8 A=0.39368 I=0.48701231,						60 J= 61, 62 Sec=33				123 J= 18, 108 Sec=11 IOFF=1.250 JOFF=0.000				
0.81849356 J=0.28897515						61 J= 62, 63 Sec= 3				RIGID=1.0				
Name= 9 Mat= 9 A=0.33337 I=0.33377381,						62 J= 63, 64 Sec= 3				124 J=108, 63 Sec=11 IOFF=0.000 JOFF=1.250				
0.78568856 J=0.24393798						63 J= 64, 65 Sec=20				RIGID=1.0				
Name= 10 Mat= 10 A=0.03120 I=0.01528675,						64 J= 65, 66 Sec= 5				125 J= 19, 109 Sec=11 IOFF=1.250 JOFF=0.000				
0.00005429 J=0.00000150						65 J= 66, 67 Sec=24				RIGID=1.0				
Name= 11 Mat= 11 A=0.02520 I=0.00749015,						66 J= 67, 68 Sec= 6				126 J=109, 64 Sec=11 IOFF=0.000 JOFF=1.250				
0.00005422 J=0.00000121						67 J= 68, 69 Sec= 6				RIGID=1.0				
Name= 12 Mat= 12 A=0.01100 I=0.00064517,						68 J= 69, 70 Sec=27				127 J= 20, 110 Sec=11 IOFF=1.250 JOFF=0.000				
0.00002609 J=0.00000037						69 J= 70, 71 Sec= 5				RIGID=1.0				
Name= 13 Mat= 13 A=0.01300 I=0.00124683,						70 J= 71, 72 Sec=23				128 J=110, 65 Sec=11 IOFF=0.000 JOFF=1.250				
0.00002611 J=0.00000043						71 J= 72, 73 Sec= 3				RIGID=1.0				
Name= 14 Mat= 14 A=10.00000 I=10.00000000,						72 J= 73, 74 Sec= 3				129 J= 21, 111 Sec=11 IOFF=1.250 JOFF=0.000				
10.00000000 J=10.00000000						73 J= 74, 75 Sec=21				RIGID=1.0				
Name= 15 Type=Nonpr Sec= 1, 2 Elvar=2,1						74 J= 75, 76 Sec=34				130 J=111, 66 Sec=11 IOFF=0.000 JOFF=1.250				
Name= 16 Type=Nonpr Sec= 2, 1						75 J= 76, 77 Sec=25				RIGID=1.0				
Name= 17 Type=Nonpr Sec= 2, 3						76 J= 77, 78 Sec=32				131 J= 22, 112 Sec=11 IOFF=1.250 JOFF=0.000				
Name= 18 Type=Nonpr Sec= 3, 2						77 J= 78, 79 Sec= 7				RIGID=1.0				
Name= 19 Type=Nonpr Sec= 3, 4						78 J= 79, 80 Sec=29				132 J=112, 67 Sec=11 IOFF=0.000 JOFF=1.250				
Name= 20 Type=Nonpr Sec= 3, 5						79 J= 80, 81 Sec=27				RIGID=1.0				
Name= 21 Type=Nonpr Sec= 3, 9						80 J= 81, 82 Sec= 5				133 J= 23, 113 Sec=10 IOFF=1.250 JOFF=0.000				
Name= 22 Type=Nonpr Sec= 4, 3						81 J= 82, 83 Sec=23				RIGID=1.0				
Name= 23 Type=Nonpr Sec= 5, 3						82 J= 83, 84 Sec=19				134 J=113, 68 Sec=10 IOFF=0.000 JOFF=1.250				
Name= 24 Type=Nonpr Sec= 5, 6						83 J= 84, 85 Sec= 4				RIGID=1.0				
Name= 25 Type=Nonpr Sec= 5, 8						84 J= 85, 86 Sec= 4				135 J= 24, 114 Sec=11 IOFF=1.250 JOFF=0.000				
Name= 26 Type=Nonpr Sec= 5, 9						85 J= 86, 87 Sec= 4				RIGID=1.0				
Name= 27 Type=Nonpr Sec= 6, 5						86 J= 87, 88 Sec=22				136 J=114, 69 Sec=11 IOFF=0.000 JOFF=1.250				
Name= 28 Type=Nonpr Sec= 6, 7						87 J= 88, 89 Sec=18				RIGID=1.0				
Name= 29 Type=Nonpr Sec= 7, 6						88 J= 89, 90 Sec=16				137 J= 25, 115 Sec=11 IOFF=1.250 JOFF=0.000				
Name= 30 Type=Nonpr Sec= 7, 8						89 J= 1, 91 Sec=10 IOFF=1.250 JOFF=0.000				RIGID=1.0				
Name= 31 Type=Nonpr Sec= 8, 5						RIGID=1.0				138 J=115, 70 Sec=11 IOFF=0.000 JOFF=1.250				
Name= 32 Type=Nonpr Sec= 8, 7						90 J= 91, 46 Sec=10 IOFF=0.000 JOFF=1.250				RIGID=1.0				
Name= 33 Type=Nonpr Sec= 9, 3						RIGID=1.0				139 J= 26, 116 Sec=11 IOFF=1.250 JOFF=0.000				
Name= 34 Type=Nonpr Sec= 9, 5						91 J= 2, 92 Sec=11 IOFF=1.250 JOFF=0.000				RIGID=1.0				
FRAME						RIGID=1.0				140 J=116, 71 Sec=11 IOFF=0.000 JOFF=1.250				
1 J= 1, 2 Sec=15 Local=12 Pldir=+Z,+X						92 J= 92, 47 Sec=11 IOFF=0.000 JOFF=1.250				RIGID=1.0				
NSEG=4						RIGID=1.0				141 J= 27, 117 Sec=11 IOFF=1.250 JOFF=0.000				
2 J= 2, 3 Sec=17						93 J= 3, 93 Sec=11 IOFF=1.250 JOFF=0.000				RIGID=1.0				
3 J= 3, 4 Sec=19						RIGID=1.0				142 J=117, 72 Sec=11 IOFF=0.000 JOFF=1.250				
4 J= 4, 5 Sec= 4						94 J= 93, 48 Sec=11 IOFF=0.000 JOFF=1.250				RIGID=1.0				
5 J= 5, 6 Sec= 4						RIGID=1.0				143 J= 28, 118 Sec=11 IOFF=1.250 JOFF=0.000				
6 J= 6, 7 Sec= 4						95 J= 4, 94 Sec=11 IOFF=1.250 JOFF=0.000				RIGID=1.0				
7 J= 7, 8 Sec=22						RIGID=1.0				144 J=118, 73 Sec=11 IOFF=0.000 JOFF=1.250				
8 J= 8, 9 Sec=20						96 J= 94, 49 Sec=11 IOFF=0.000 JOFF=1.250				RIGID=1.0				
9 J= 9, 10 Sec= 5						RIGID=1.0				145 J= 29, 119 Sec=11 IOFF=1.250 JOFF=0.000				
10 J= 10, 11 Sec=24						97 J= 5, 95 Sec=11 IOFF=1.250 JOFF=0.000				RIGID=1.0				
11 J= 11, 12 Sec=28						RIGID=1.0				146 J=119, 74 Sec=11 IOFF=0.000 JOFF=1.250				
12 J= 12, 13 Sec= 7						98 J= 95, 50 Sec=11 IOFF=0.000 JOFF=1.250				RIGID=1.0				
13 J= 13, 14 Sec=30						RIGID=1.0				147 J= 30, 120 Sec=11 IOFF=1.250 JOFF=0.000				
14 J= 14, 15 Sec=31						99 J= 6, 96 Sec=11 IOFF=1.250 JOFF=0.000				RIGID=1.0				
15 J= 15, 16 Sec=26						RIGID=1.0				148 J=120, 75 Sec=11 IOFF=0.000 JOFF=1.250				
16 J= 16, 17 Sec=33						100 J= 96, 51 Sec=11 IOFF=0.000 JOFF=1.250				RIGID=1.0				
17 J= 17, 18 Sec= 3						RIGID=1.0				149 J= 31, 121 Sec=11 IOFF=1.250 JOFF=0.000				
18 J= 18, 19 Sec= 3						101 J= 7, 97 Sec=11 IOFF=1.250 JOFF=0.000				RIGID=1.0				
19 J= 19, 20 Sec=20						RIGID=1.0				150 J=121, 76 Sec=11 IOFF=0.000 JOFF=1.250				
20 J= 20, 21 Sec= 5						102 J= 97, 52 Sec=11 IOFF=0.000 JOFF=1.250				RIGID=1.0				
21 J= 21, 22 Sec=24						RIGID=1.0				151 J= 32, 122 Sec=11 IOFF=1.250 JOFF=0.000				
22 J= 22, 23 Sec= 6						103 J= 8, 98 Sec=11 IOFF=1.250 JOFF=0.000				RIGID=1.0				
23 J= 23, 24 Sec= 6						RIGID=1.0				152 J=122, 77 Sec=11 IOFF=0.000 JOFF=1.250				
24 J= 24, 25 Sec=27						104 J= 98, 53 Sec=11 IOFF=0.000 JOFF=1.250				RIGID=1.0				
25 J= 25, 26 Sec= 5						RIGID=1.0				153 J= 33, 123 Sec=11 IOFF=1.250 JOFF=0.000				
26 J= 26, 27 Sec=23						105 J= 9, 99 Sec=11 IOFF=1.250 JOFF=0.000				RIGID=1.0				
27 J= 27, 28 Sec= 3						RIGID=1.0				154 J=123, 78 Sec=11 IOFF=0.000 JOFF=1.250				
28 J= 28, 29 Sec= 3						106 J= 99, 54 Sec=11 IOFF=0.000 JOFF=1.250				RIGID=1.0				
29 J= 29, 30 Sec=21						RIGID=1.0				155 J= 34, 124 Sec=10 IOFF=1.250 JOFF=0.000				
30 J= 30, 31 Sec=34						107 J= 10, 100 Sec=11 IOFF=1.250 JOFF=0.000				RIGID=1.0				
						RIGID=1.0				156 J=124, 79 Sec=10 IOFF=0.000 JOFF=1.250				
						108 J=100, 55 Sec=11 IOFF=0.000 JOFF=1.250				RIGID=1.0				

157 J= 35, 125 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
158 J=125, 80 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
159 J= 36, 126 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
160 J=126, 81 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
161 J= 37, 127 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
162 J=127, 82 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
163 J= 38, 128 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
164 J=128, 83 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
165 J= 39, 129 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
166 J=129, 84 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
167 J= 40, 130 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
168 J=130, 85 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
169 J= 41, 131 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
170 J=131, 86 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
171 J= 42, 132 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
172 J=132, 87 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
173 J= 43, 133 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
174 J=133, 88 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
175 J= 44, 134 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
176 J=134, 89 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
177 J= 45, 135 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
178 J=135, 90 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
179 J= 91, 92 Sec=12
180 J= 92, 93 Sec=13
181 J= 93, 94 Sec=13
182 J= 94, 95 Sec=13
183 J= 95, 96 Sec=13
184 J= 96, 97 Sec=13
185 J= 97, 98 Sec=13
186 J= 98, 99 Sec=13
187 J= 99, 100 Sec=13
188 J=100, 101 Sec=13
189 J=101, 102 Sec=13
190 J=102, 103 Sec=13
191 J=103, 104 Sec=13
192 J=104, 105 Sec=13
193 J=105, 106 Sec=13
194 J=106, 107 Sec=13
195 J=107, 108 Sec=13
196 J=108, 109 Sec=13
197 J=109, 110 Sec=13
198 J=110, 111 Sec=13
199 J=111, 112 Sec=13
200 J=112, 113 Sec=13
201 J=113, 114 Sec=13
202 J=114, 115 Sec=13
203 J=115, 116 Sec=13
204 J=116, 117 Sec=13
205 J=117, 118 Sec=13
206 J=118, 119 Sec=13
207 J=119, 120 Sec=13
208 J=120, 121 Sec=13
209 J=121, 122 Sec=13
210 J=122, 123 Sec=13
211 J=123, 124 Sec=13
212 J=124, 125 Sec=13
213 J=125, 126 Sec=13
214 J=126, 127 Sec=13
215 J=127, 128 Sec=13
216 J=128, 129 Sec=13
217 J=129, 130 Sec=13
218 J=130, 131 Sec=13
219 J=131, 132 Sec=13
220 J=132, 133 Sec=13
221 J=133, 134 Sec=13
222 J=134, 135 Sec=12
223 J= 1, 136 Sec=14
224 J= 12, 137 Sec=14
225 J= 23, 138 Sec=14
226 J= 34, 139 Sec=14
227 J= 45, 140 Sec=14
228 J= 46, 141 Sec=14
229 J= 57, 142 Sec=14
230 J= 68, 143 Sec=14
231 J= 79, 144 Sec=14

232 J= 90, 145 Sec=14
LANE
: Case = 1 ----- G1 Max DB 1선
Name=1
Path= 1, 11, 1, Ecc=0.167
Path= 12, 22, 1, Ecc=0.167
Path= 23, 33, 1, Ecc=0.167
Path= 34, 44, 1, Ecc=0.167
Name=2
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000
Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=3
Path= 45, 55, 1, Ecc=1.821
Path= 56, 66, 1, Ecc=1.821
Path= 67, 77, 1, Ecc=1.821
Path= 78, 88, 1, Ecc=1.821
: Case = 2 ----- G1 Max DB 2선
Name=4
Path= 1, 11, 1, Ecc=-0.219
Path= 12, 22, 1, Ecc=-0.219
Path= 23, 33, 1, Ecc=-0.219
Path= 34, 44, 1, Ecc=-0.219
Name=5
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000
Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=6
Path= 45, 55, 1, Ecc=1.825
Path= 56, 66, 1, Ecc=1.825
Path= 67, 77, 1, Ecc=1.825
Path= 78, 88, 1, Ecc=1.825
: Case = 3 ----- G1 Max DB 3선
Name=7
Path= 1, 11, 1, Ecc=-0.200
Path= 12, 22, 1, Ecc=-0.200
Path= 23, 33, 1, Ecc=-0.200
Path= 34, 44, 1, Ecc=-0.200
Name=8
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000
Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=9
Path= 45, 55, 1, Ecc=0.951
Path= 56, 66, 1, Ecc=0.951
Path= 67, 77, 1, Ecc=0.951
Path= 78, 88, 1, Ecc=0.951
: Case = 4 ----- G2 Max DB 1선
Name=10
Path= 1, 11, 1, Ecc=-1.821
Path= 12, 22, 1, Ecc=-1.821
Path= 23, 33, 1, Ecc=-1.821
Path= 34, 44, 1, Ecc=-1.821
Name=11
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000
Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=12
Path= 45, 55, 1, Ecc=-0.167
Path= 56, 66, 1, Ecc=-0.167
Path= 67, 77, 1, Ecc=-0.167
Path= 78, 88, 1, Ecc=-0.167
: Case = 5 ----- G2 Max DB 2선
Name=13
Path= 1, 11, 1, Ecc=-1.825
Path= 12, 22, 1, Ecc=-1.825
Path= 23, 33, 1, Ecc=-1.825
Path= 34, 44, 1, Ecc=-1.825
Name=14
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000
Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=15
Path= 45, 55, 1, Ecc=0.219
Path= 56, 66, 1, Ecc=0.219
Path= 67, 77, 1, Ecc=0.219
Path= 78, 88, 1, Ecc=0.219
: Case = 6 ----- G2 Max DB 3선
Name=16
Path= 1, 11, 1, Ecc=-0.951
Path= 12, 22, 1, Ecc=-0.951
Path= 23, 33, 1, Ecc=-0.951
Path= 34, 44, 1, Ecc=-0.951
Name=17
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000

Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=18
Path= 45, 55, 1, Ecc=0.200
Path= 56, 66, 1, Ecc=0.200
Path= 67, 77, 1, Ecc=0.200
Path= 78, 88, 1, Ecc=0.200
: Case = 7 ----- G1 Max DL 1선
Name=19
Path= 1, 11, 1, Ecc=0.157
Path= 12, 22, 1, Ecc=0.157
Path= 23, 33, 1, Ecc=0.157
Path= 34, 44, 1, Ecc=0.157
Name=20
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000
Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=21
Path= 45, 55, 1, Ecc=1.821
Path= 56, 66, 1, Ecc=1.821
Path= 67, 77, 1, Ecc=1.821
Path= 78, 88, 1, Ecc=1.821
: Case = 8 ----- G1 Max DL 2선
Name=22
Path= 1, 11, 1, Ecc=-0.222
Path= 12, 22, 1, Ecc=-0.222
Path= 23, 33, 1, Ecc=-0.222
Path= 34, 44, 1, Ecc=-0.222
Name=23
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000
Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=24
Path= 45, 55, 1, Ecc=1.864
Path= 56, 66, 1, Ecc=1.864
Path= 67, 77, 1, Ecc=1.864
Path= 78, 88, 1, Ecc=1.864
: Case = 9 ----- G1 Max DL 3선
Name=25
Path= 1, 11, 1, Ecc=-0.207
Path= 12, 22, 1, Ecc=-0.207
Path= 23, 33, 1, Ecc=-0.207
Path= 34, 44, 1, Ecc=-0.207
Name=26
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000
Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=27
Path= 45, 55, 1, Ecc=0.973
Path= 56, 66, 1, Ecc=0.973
Path= 67, 77, 1, Ecc=0.973
Path= 78, 88, 1, Ecc=0.973
: Case = 10 ----- G2 Max DL 1선
Name=28
Path= 1, 11, 1, Ecc=-1.821
Path= 12, 22, 1, Ecc=-1.821
Path= 23, 33, 1, Ecc=-1.821
Path= 34, 44, 1, Ecc=-1.821
Name=29
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000
Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=30
Path= 45, 55, 1, Ecc=-0.157
Path= 56, 66, 1, Ecc=-0.157
Path= 67, 77, 1, Ecc=-0.157
Path= 78, 88, 1, Ecc=-0.157
: Case = 11 ----- G2 Max DL 2선
Name=31
Path= 1, 11, 1, Ecc=-1.864
Path= 12, 22, 1, Ecc=-1.864
Path= 23, 33, 1, Ecc=-1.864
Path= 34, 44, 1, Ecc=-1.864
Name=32
Path= 179, 189, 1, Ecc=0.000
Path= 190, 200, 1, Ecc=0.000
Path= 201, 211, 1, Ecc=0.000
Path= 212, 222, 1, Ecc=0.000
Name=33
Path= 45, 55, 1, Ecc=0.222
Path= 56, 66, 1, Ecc=0.222
Path= 67, 77, 1, Ecc=0.222
Path= 78, 88, 1, Ecc=0.222
: Case = 12 ----- G2 Max DL 3선
Name=34
Path= 1, 11, 1, Ecc=-0.973
Path= 12, 22, 1, Ecc=-0.973

OUTPUT				
Elem=Joint	Type=Disp,REAC	Load=*	Comb=*	
Elem=Frame	Type=Force	Load=*	Comb=*	
< UNEQUAL SETTLEMENT >				
SYSTEM				
LENGTH=M	FORCE=KN			
JOINT				
1	X= 0.000	Y=0.000	Z=0.000	
2	X= 4.495	Y=-0.322	Z=-0.116	
3	X= 9.491	Y=-0.663	Z=-0.244	
4	X= 14.488	Y=-0.989	Z=-0.373	
5	X= 19.487	Y=-1.297	Z=-0.501	
6	X= 24.486	Y=-1.589	Z=-0.630	
7	X= 29.486	Y=-1.864	Z=-0.758	
8	X= 34.487	Y=-2.122	Z=-0.887	
9	X= 39.489	Y=-2.364	Z=-1.015	
10	X= 44.491	Y=-2.589	Z=-1.144	
11	X= 49.495	Y=-2.797	Z=-1.272	
12	X= 54.499	Y=-2.989	Z=-1.401	
13	X= 59.503	Y=-3.164	Z=-1.529	
14	X= 64.508	Y=-3.322	Z=-1.658	
15	X= 69.514	Y=-3.464	Z=-1.786	
16	X= 74.520	Y=-3.589	Z=-1.915	
17	X= 79.527	Y=-3.697	Z=-2.043	
18	X= 84.534	Y=-3.789	Z=-2.172	
19	X= 89.541	Y=-3.864	Z=-2.300	
20	X= 94.548	Y=-3.922	Z=-2.429	
21	X= 99.555	Y=-3.964	Z=-2.557	
22	X= 104.563	Y=-3.988	Z=-2.686	
23	X= 109.571	Y=-3.997	Z=-2.815	
24	X= 114.578	Y=-3.988	Z=-2.943	
25	X= 119.586	Y=-3.963	Z=-3.072	
26	X= 124.593	Y=-3.921	Z=-3.200	
27	X= 129.601	Y=-3.862	Z=-3.329	
28	X= 134.608	Y=-3.787	Z=-3.457	
29	X= 139.615	Y=-3.695	Z=-3.586	
30	X= 144.621	Y=-3.586	Z=-3.714	
31	X= 149.627	Y=-3.461	Z=-3.843	
32	X= 154.633	Y=-3.319	Z=-3.971	
33	X= 159.638	Y=-3.160	Z=-4.100	
34	X= 164.643	Y=-2.984	Z=-4.228	
35	X= 169.647	Y=-2.792	Z=-4.357	
36	X= 174.650	Y=-2.584	Z=-4.485	
37	X= 179.653	Y=-2.358	Z=-4.614	
38	X= 184.654	Y=-2.116	Z=-4.742	
39	X= 189.655	Y=-1.857	Z=-4.871	
40	X= 194.655	Y=-1.582	Z=-4.999	
41	X= 199.655	Y=-1.289	Z=-5.128	
42	X= 204.653	Y=-0.981	Z=-5.256	
43	X= 209.650	Y=-0.655	Z=-5.385	
44	X= 214.646	Y=-0.313	Z=-5.513	
45	X= 219.141	Y=0.009	Z=-5.629	
46	X= -0.583	Y=-7.979	Z=0.400	
47	X= 3.936	Y=-8.302	Z=0.284	
48	X= 8.959	Y=-8.646	Z=0.156	
49	X= 13.982	Y=-8.973	Z=0.027	
50	X= 19.007	Y=-9.283	Z=-0.101	
51	X= 24.033	Y=-9.576	Z=-0.230	
52	X= 29.060	Y=-9.852	Z=-0.358	
53	X= 34.087	Y=-10.112	Z=-0.487	
54	X= 39.116	Y=-10.355	Z=-0.615	
55	X= 44.145	Y=-10.581	Z=-0.744	
56	X= 49.175	Y=-10.791	Z=-0.872	
57	X= 54.206	Y=-10.984	Z=-1.001	
58	X= 59.237	Y=-11.160	Z=-1.129	
59	X= 64.269	Y=-11.319	Z=-1.258	
60	X= 69.301	Y=-11.461	Z=-1.386	
61	X= 74.334	Y=-11.587	Z=-1.515	
62	X= 79.367	Y=-11.696	Z=-1.643	
63	X= 84.401	Y=-11.788	Z=-1.772	
64	X= 89.434	Y=-11.863	Z=-1.900	
65	X= 94.468	Y=-11.922	Z=-2.029	
66	X= 99.502	Y=-11.963	Z=-2.157	
67	X= 104.537	Y=-11.988	Z=-2.286	
68	X= 109.571	Y=-11.997	Z=-2.415	
69	X= 114.605	Y=-11.988	Z=-2.543	
70	X= 119.640	Y=-11.963	Z=-2.672	
71	X= 124.674	Y=-11.920	Z=-2.800	
72	X= 129.708	Y=-11.861	Z=-2.929	
73	X= 134.742	Y=-11.786	Z=-3.057	
74	X= 139.775	Y=-11.693	Z=-3.186	
75	X= 144.808	Y=-11.584	Z=-3.314	
76	X= 149.841	Y=-11.458	Z=-3.443	
77</				

88 X= 210.183 Y=-8.637 Z=-4.985
89 X= 215.206 Y=-8.293 Z=-5.113
90 X= 219.725 Y=-7.970 Z=-5.229
91 X= -0.292 Y=-3.989 Z=0.200
92 X= 4.216 Y=-4.312 Z=0.084
93 X= 9.225 Y=-4.655 Z=-0.044
94 X= 14.235 Y=-4.981 Z=-0.173
95 X= 19.247 Y=-5.290 Z=-0.301
96 X= 24.259 Y=-5.582 Z=-0.430
97 X= 29.273 Y=-5.858 Z=-0.558
98 X= 34.287 Y=-6.117 Z=-0.687
99 X= 39.302 Y=-6.360 Z=-0.815
100 X= 44.318 Y=-6.585 Z=-0.944
101 X= 49.335 Y=-6.794 Z=-1.072
102 X= 54.352 Y=-6.986 Z=-1.201
103 X= 59.370 Y=-7.162 Z=-1.329
104 X= 64.389 Y=-7.321 Z=-1.458
105 X= 69.408 Y=-7.463 Z=-1.586
106 X= 74.427 Y=-7.588 Z=-1.715
107 X= 79.447 Y=-7.697 Z=-1.843
108 X= 84.467 Y=-7.788 Z=-1.972
109 X= 89.487 Y=-7.863 Z=-2.100
110 X= 94.508 Y=-7.922 Z=-2.229
111 X= 99.529 Y=-7.963 Z=-2.357
112 X= 104.550 Y=-7.988 Z=-2.486
113 X= 109.571 Y=-7.997 Z=-2.615
114 X= 114.592 Y=-7.988 Z=-2.743
115 X= 119.613 Y=-7.963 Z=-2.872
116 X= 124.634 Y=-7.921 Z=-3.000
117 X= 129.654 Y=-7.862 Z=-3.129
118 X= 134.675 Y=-7.786 Z=-3.257
119 X= 139.695 Y=-7.694 Z=-3.386
120 X= 144.715 Y=-7.585 Z=-3.514
121 X= 149.734 Y=-7.459 Z=-3.643
122 X= 154.753 Y=-7.317 Z=-3.771
123 X= 159.772 Y=-7.158 Z=-3.900
124 X= 164.789 Y=-6.982 Z=-4.028
125 X= 169.807 Y=-6.789 Z=-4.157
126 X= 174.823 Y=-6.580 Z=-4.285
127 X= 179.839 Y=-6.354 Z=-4.414
128 X= 184.854 Y=-6.111 Z=-4.542
129 X= 189.869 Y=-5.851 Z=-4.671
130 X= 194.882 Y=-5.575 Z=-4.799
131 X= 199.895 Y=-5.282 Z=-4.928
132 X= 204.906 Y=-4.973 Z=-5.056
133 X= 209.916 Y=-4.646 Z=-5.185
134 X= 214.926 Y=-4.303 Z=-5.313
135 X= 219.433 Y=-3.980 Z=-5.429
136 X= 0.000 Y=0.000 Z=-1.200
137 X= 54.499 Y=-2.989 Z=-2.701
138 X= 109.571 Y=-3.997 Z=-4.115
139 X= 164.643 Y=-2.984 Z=-5.528
140 X= 219.141 Y=0.009 Z=-6.829
141 X= -0.583 Y=-7.979 Z=-0.800
142 X= 54.206 Y=-10.984 Z=-2.301
143 X= 109.571 Y=-11.997 Z=-3.715
144 X= 164.936 Y=-10.979 Z=-5.128
145 X= 219.725 Y=-7.970 Z=-6.429

LOCAL

ADD= 136 ANG=-2.089
ADD= 137 ANG=-1.048
ADD= 138 ANG=0.002
ADD= 139 ANG=1.053
ADD= 140 ANG=2.094
ADD= 141 ANG=2.070
ADD= 142 ANG=7.193
ADD= 143 ANG=0.002
ADD= 144 ANG=-7.188
ADD= 145 ANG=-2.066

RESTRAINT

ADD= 136 DOF= U2, U3,
ADD= 137 DOF= U2, U3,
ADD= 138 DOF= U1, U2, U3,
ADD= 139 DOF= U2, U3,
ADD= 140 DOF= U2, U3,
ADD= 141 DOF= U3,
ADD= 142 DOF= U3,
ADD= 143 DOF= U1, U3,
ADD= 144 DOF= U3,
ADD= 145 DOF= U3,

MATERIAL

Name=1
E=2.1e+008
Name=2
E=2.1e+008
Name=3
E=2.1e+008
Name=4
E=2.1e+008
Name=5
E=2.1e+008
Name=6
E=2.1e+008
Name=7

E=2.1e+008
Name=8
E=2.1e+008
Name=9
E=2.1e+008
Name=10
E=2.1e+008
Name=11
E=2.1e+008
Name=12
E=2.1e+008
Name=13
E=2.1e+008
Name=14
E=2.1e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.32317 I=0.25915253,
0.77483583 J=0.20538983
Name= 2 Mat= 2 A=0.32797 I=0.30759305,
0.78240806 J=0.23014593
Name= 3 Mat= 3 A=0.34418 I=0.36035489,
0.79224956 J=0.25606893
Name= 4 Mat= 4 A=0.37657 I=0.45922193,
0.81193256 J=0.28671088
Name= 5 Mat= 5 A=0.33968 I=0.36100082,
0.78568856 J=0.24393798
Name= 6 Mat= 6 A=0.38737 I=0.48536461,
0.81849356 J=0.28897515
Name= 7 Mat= 7 A=0.45217 I=0.62763961,
0.85785956 J=0.31675455
Name= 8 Mat= 8 A=0.39368 I=0.48701231,
0.81849356 J=0.28897515
Name= 9 Mat= 9 A=0.33337 I=0.33377381,
0.78568856 J=0.24393798
Name= 10 Mat= 10 A=0.03120 I=0.01528675,
0.00005429 J=0.00000150
Name= 11 Mat= 11 A=0.02520 I=0.00749015,
0.00005422 J=0.00000121
Name= 12 Mat= 12 A=0.01100 I=0.00064517,
0.00002609 J=0.00000037
Name= 13 Mat= 13 A=0.01300 I=0.00124683,
0.00002611 J=0.00000043
Name= 14 Mat= 14 A=10.00000 I=10.00000000,
10.00000000 J=10.00000000
Name= 15 Type=Nonpr Sec= 1, 2 Elvar=2,1
Name= 16 Type=Nonpr Sec= 2, 1
Name= 17 Type=Nonpr Sec= 2, 3
Name= 18 Type=Nonpr Sec= 3, 2
Name= 19 Type=Nonpr Sec= 3, 4
Name= 20 Type=Nonpr Sec= 3, 5
Name= 21 Type=Nonpr Sec= 3, 9
Name= 22 Type=Nonpr Sec= 4, 3
Name= 23 Type=Nonpr Sec= 5, 3
Name= 24 Type=Nonpr Sec= 5, 6
Name= 25 Type=Nonpr Sec= 5, 8
Name= 26 Type=Nonpr Sec= 5, 9
Name= 27 Type=Nonpr Sec= 6, 5
Name= 28 Type=Nonpr Sec= 6, 7
Name= 29 Type=Nonpr Sec= 7, 6
Name= 30 Type=Nonpr Sec= 7, 8
Name= 31 Type=Nonpr Sec= 8, 5
Name= 32 Type=Nonpr Sec= 8, 7
Name= 33 Type=Nonpr Sec= 9, 3
Name= 34 Type=Nonpr Sec= 9, 5

FRAME

1 J= 1, 2 Sec=15 Local=12 Pldir=, NSEG=4
2 J= 2, 3 Sec=17
3 J= 3, 4 Sec=19
4 J= 4, 5 Sec= 4
5 J= 5, 6 Sec= 4
6 J= 6, 7 Sec= 4
7 J= 7, 8 Sec=22
8 J= 8, 9 Sec=20
9 J= 9, 10 Sec= 5
10 J= 10, 11 Sec=24
11 J= 11, 12 Sec=28
12 J= 12, 13 Sec= 7
13 J= 13, 14 Sec=30
14 J= 14, 15 Sec=31
15 J= 15, 16 Sec=26
16 J= 16, 17 Sec=33
17 J= 17, 18 Sec= 3
18 J= 18, 19 Sec= 3
19 J= 19, 20 Sec=20
20 J= 20, 21 Sec= 5
21 J= 21, 22 Sec=24
22 J= 22, 23 Sec= 6
23 J= 23, 24 Sec= 6
24 J= 24, 25 Sec=27
25 J= 25, 26 Sec= 5
26 J= 26, 27 Sec=23
27 J= 27, 28 Sec= 3
28 J= 28, 29 Sec= 3
29 J= 29, 30 Sec=21
30 J= 30, 31 Sec=34

31 J= 31, 32 Sec=25
32 J= 32, 33 Sec=32
33 J= 33, 34 Sec= 7
34 J= 34, 35 Sec=29
35 J= 35, 36 Sec=27
36 J= 36, 37 Sec= 5
37 J= 37, 38 Sec=23
38 J= 38, 39 Sec=19
39 J= 39, 40 Sec= 4
40 J= 40, 41 Sec= 4
41 J= 41, 42 Sec= 4
42 J= 42, 43 Sec=22
43 J= 43, 44 Sec=18
44 J= 44, 45 Sec=16
45 J= 46, 47 Sec=15
46 J= 47, 48 Sec=17
47 J= 48, 49 Sec=19
48 J= 49, 50 Sec= 4
49 J= 50, 51 Sec= 4
50 J= 51, 52 Sec= 4
51 J= 52, 53 Sec=22
52 J= 53, 54 Sec=20
53 J= 54, 55 Sec= 5
54 J= 55, 56 Sec=24
55 J= 56, 57 Sec=28
56 J= 57, 58 Sec= 7
57 J= 58, 59 Sec=30
58 J= 59, 60 Sec=31
59 J= 60, 61 Sec=26
60 J= 61, 62 Sec=33
61 J= 62, 63 Sec= 3
62 J= 63, 64 Sec= 3
63 J= 64, 65 Sec=20
64 J= 65, 66 Sec= 5
65 J= 66, 67 Sec=24
66 J= 67, 68 Sec= 6
67 J= 68, 69 Sec= 6
68 J= 69, 70 Sec=27
69 J= 70, 71 Sec= 5
70 J= 71, 72 Sec=23
71 J= 72, 73 Sec= 3
72 J= 73, 74 Sec= 3
73 J= 74, 75 Sec=21
74 J= 75, 76 Sec=34
75 J= 76, 77 Sec=25
76 J= 77, 78 Sec=32
77 J= 78, 79 Sec= 7
78 J= 79, 80 Sec=29
79 J= 80, 81 Sec=27
80 J= 81, 82 Sec= 5
81 J= 82, 83 Sec=23
82 J= 83, 84 Sec=19
83 J= 84, 85 Sec= 4
84 J= 85, 86 Sec= 4
85 J= 86, 87 Sec= 4
86 J= 87, 88 Sec=22
87 J= 88, 89 Sec=18
88 J= 89, 90 Sec=16
89 J= 1, 91 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
90 J= 91, 46 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
91 J= 2, 92 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
92 J= 92, 47 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
93 J= 3, 93 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
94 J= 93, 48 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
95 J= 4, 94 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
96 J= 94, 49 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
97 J= 5, 95 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
98 J= 95, 50 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
99 J= 6, 96 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
100 J= 96, 51 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
101 J= 7, 97 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
102 J= 97, 52 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
103 J= 8, 98 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
104 J= 98, 53 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
105 J= 9, 99 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
106 J= 99, 54 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
107 J= 10, 100 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
108 J=100, 55 Sec=11 IOFF=0.000 JOFF=1.250

RIGID=1.0
109 J= 11, 101 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
110 J=101, 56 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
111 J= 12, 102 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
112 J=102, 57 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
113 J= 13, 103 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
114 J=103, 58 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
115 J= 14, 104 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
116 J=104, 59 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
117 J= 15, 105 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
118 J=105, 60 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
119 J= 16, 106 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
120 J=106, 61 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
121 J= 17, 107 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
122 J=107, 62 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
123 J= 18, 108 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
124 J=108, 63 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
125 J= 19, 109 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
126 J=109, 64 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
127 J= 20, 110 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
128 J=110, 65 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
129 J= 21, 111 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
130 J=111, 66 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
131 J= 22, 112 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
132 J=112, 67 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
133 J= 23, 113 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
134 J=113, 68 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
135 J= 24, 114 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
136 J=114, 69 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
137 J= 25, 115 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
138 J=115, 70 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
139 J= 26, 116 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
140 J=116, 71 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
141 J= 27, 117 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
142 J=117, 72 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
143 J= 28, 118 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
144 J=118, 73 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
145 J= 29, 119 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
146 J=119, 74 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
147 J= 30, 120 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
148 J=120, 75 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
149 J= 31, 121 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
150 J=121, 76 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
151 J= 32, 122 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
152 J=122, 77 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
153 J= 33, 123 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
154 J=123, 78 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
155 J= 34, 124 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
156 J=124, 79 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0

157 J= 35, 125 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
158 J=125, 80 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
159 J= 36, 126 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
160 J=126, 81 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
161 J= 37, 127 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
162 J=127, 82 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
163 J= 38, 128 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
164 J=128, 83 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
165 J= 39, 129 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
166 J=129, 84 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
167 J= 40, 130 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
168 J=130, 85 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
169 J= 41, 131 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
170 J=131, 86 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
171 J= 42, 132 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
172 J=132, 87 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
173 J= 43, 133 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
174 J=133, 88 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
175 J= 44, 134 Sec=11 IOFF=1.250 JOFF=0.000
RIGID=1.0
176 J=134, 89 Sec=11 IOFF=0.000 JOFF=1.250
RIGID=1.0
177 J= 45, 135 Sec=10 IOFF=1.250 JOFF=0.000
RIGID=1.0
178 J=135, 90 Sec=10 IOFF=0.000 JOFF=1.250
RIGID=1.0
179 J= 91, 92 Sec=12
180 J= 92, 93 Sec=13
181 J= 93, 94 Sec=13
182 J= 94, 95 Sec=13
183 J= 95, 96 Sec=13
184 J= 96, 97 Sec=13
185 J= 97, 98 Sec=13
186 J= 98, 99 Sec=13
187 J= 99, 100 Sec=13
188 J=100, 101 Sec=13
189 J=101, 102 Sec=13
190 J=102, 103 Sec=13
191 J=103, 104 Sec=13
192 J=104, 105 Sec=13
193 J=105, 106 Sec=13
194 J=106, 107 Sec=13
195 J=107, 108 Sec=13
196 J=108, 109 Sec=13
197 J=109, 110 Sec=13
198 J=110, 111 Sec=13
199 J=111, 112 Sec=13
200 J=112, 113 Sec=13
201 J=113, 114 Sec=13
202 J=114, 115 Sec=13
203 J=115, 116 Sec=13
204 J=116, 117 Sec=13
205 J=117, 118 Sec=13
206 J=118, 119 Sec=13
207 J=119, 120 Sec=13
208 J=120, 121 Sec=13
209 J=121, 122 Sec=13
210 J=122, 123 Sec=13
211 J=123, 124 Sec=13
212 J=124, 125 Sec=13
213 J=125, 126 Sec=13
214 J=126, 127 Sec=13
215 J=127, 128 Sec=13
216 J=128, 129 Sec=13
217 J=129, 130 Sec=13
218 J=130, 131 Sec=13
219 J=131, 132 Sec=13
220 J=132, 133 Sec=13
221 J=133, 134 Sec=13
222 J=134, 135 Sec=12
223 J= 1, 136 Sec=14
224 J= 12, 137 Sec=14
225 J= 23, 138 Sec=14
226 J= 34, 139 Sec=14
227 J= 45, 140 Sec=14
228 J= 46, 141 Sec=14
229 J= 57, 142 Sec=14
230 J= 68, 143 Sec=14
231 J= 79, 144 Sec=14

232 J= 90, 145 Sec=14

LOAD

Name=-P7 ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=136 Uz=-0.010
Add=141 Uz=-0.010

Name=-P8 ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=137 Uz=-0.010
Add=142 Uz=-0.010

Name=-P9 ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=138 Uz=-0.010
Add=143 Uz=-0.010

Name=-P10 ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=139 Uz=-0.010
Add=144 Uz=-0.010

Name=-A2 ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=140 Uz=-0.010
Add=145 Uz=-0.010

Name=-2N ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=136 Uz=-0.010
Add=141 Uz=-0.010
Add=138 Uz=-0.010
Add=143 Uz=-0.010
Add=140 Uz=-0.010
Add=145 Uz=-0.010

Name=-2N ; UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=137 Uz=-0.010
Add=142 Uz=-0.010
Add=139 Uz=-0.010
Add=144 Uz=-0.010

COMBO

Name=SETTLE Type=ENVE ;
LOAD=-P7 sf=1.000
LOAD=-P8 sf=1.000
LOAD=-P9 sf=1.000
LOAD=-P10 sf=1.000
LOAD=-A2 sf=1.000
LOAD=-2N sf=1.000
LOAD=-2N sf=1.000

OUTPUT

Elem=Joint	Type=Disp,REAC	Load=*	Comb=*
Elem=Frame	Type=Force	Load=*	Comb=*

■ 청도2교 대구방향(P6) 하부 input

: AAbutPier SAP2000 6~7 데이터파일 : 교각 본체

: TITLE : P6

SYSTEM
DOF=UX,UY,UZ,RX,RY,RZ LENGTH=M FORCE=KN

JOINT

1	X=	0.0000	Y=	0.0000	Z=	45.7150
2	X=	0.0150	Y=	0.0000	Z=	45.7150
3	X=	1.6000	Y=	0.0000	Z=	45.7150
4	X=	3.1850	Y=	0.0000	Z=	45.7150
5	X=	4.8000	Y=	0.0000	Z=	45.7150
6	X=	5.3000	Y=	0.0000	Z=	45.7150
7	X=	5.9000	Y=	0.0000	Z=	45.7150
8	X=	6.4000	Y=	0.0000	Z=	45.7150
9	X=	8.0150	Y=	0.0000	Z=	45.7150
10	X=	9.6000	Y=	0.0000	Z=	45.7150
11	X=	11.1850	Y=	0.0000	Z=	45.7150
12	X=	11.2000	Y=	0.0000	Z=	45.7150
13	X=	1.6000	Y=	0.0000	Z=	0.0000
14	X=	9.6000	Y=	0.0000	Z=	0.0000

RESTRAINT
ADD=13 DOF=U1, U2, U3, R1, R2, R3
ADD=14 DOF=U1, U2, U3, R1, R2, R3

MATERIAL
NAME=CONC1 IDES=C M=2.54842 W=25
E=2.5811e+007 U=0.15 A=1e-005
NAME=CONC2 IDES=C M=2.54842 W=25
E=2.5811e+007 U=0.15 A=1e-005
NAME=CONC3 IDES=C M=2.54842 W=25
E=2.5811e+007 U=0.15 A=1e-005

FRAME SECTION
NAME=COPP01 TYPE=PRISM MAT=CONC1 SH=R
T=3, 2.6
NAME=COPP02 TYPE=PRISM MAT=CONC1 SH=R
T=4.5, 2.6
NAME=COPP03 TYPE=PRISM MAT=CONC1 SH=R
T=4.9, 2.6
NAME=RIGID02 TYPE=PRISM MAT=CONC1 A=11.7
I=100,100 J=100
NAME=RIGID03 TYPE=PRISM MAT=CONC1 A=12.74
I=100,100 J=100
NAME=COLUP TYPE=PRISM MAT=CONC2 A=8.24274
I=6.91793,4.56924 J=8.32802 AS=0,0
NAME=COLDN TYPE=PRISM MAT=CONC2
A=8.24274 I=6.91793,4.56924 J=8.32802 AS=0,0
NAME=FOOT TYPE=PRISM MAT=CONC3 SH=R T=4.8,
9.6
NAME=CP0202 TYPE=NONPR SEC=COPP02,COPP02
EIVAR=2, 1
NAME=CP0201 TYPE=NONPR SEC=COPP02,COPP01
EIVAR=2, 1
NAME=CP0101 TYPE=NONPR SEC=COPP01,COPP01
EIVAR=2, 1
NAME=CP0103 TYPE=NONPR SEC=COPP01,COPP03
EIVAR=2, 1
NAME=CP0303 TYPE=NONPR SEC=COPP03,COPP03
EIVAR=2, 1
NAME=CPRG0202 TYPE=NONPR
SEC=RIGID02,RIGID02 EIVAR=2, 1
NAME=CPRG0303 TYPE=NONPR
SEC=RIGID03,RIGID03 EIVAR=2, 1
NAME=COLUMN TYPE=NONPR SEC=COLUP,COLDN
EIVAR=2, 1

FRAME
1 J= 1, 2 SEC=CP0202 NSEG=4 ANG=0
2 J= 2, 3 SEC=CPRG0202 NSEG=4 ANG=0
3 J= 3, 4 SEC=CPRG0202 NSEG=4 ANG=0
4 J= 4, 5 SEC=CP0201 NSEG=4 ANG=0
5 J= 5, 6 SEC=CP0101 NSEG=4 ANG=0
6 J= 6, 7 SEC=CP0101 NSEG=4 ANG=0
7 J= 7, 8 SEC=CP0101 NSEG=4 ANG=0
8 J= 8, 9 SEC=CP0103 NSEG=4 ANG=0
9 J= 9, 10 SEC=CPRG0303 NSEG=4 ANG=0
10 J= 10, 11 SEC=CPRG0303 NSEG=4 ANG=0
11 J= 11, 12 SEC=CP0303 NSEG=4 ANG=0
12 J= 3, 13 SEC=COLUMN IOFF=4.7 RIGID=1
NSEG=4 ANG=0
13 J= 10, 14 SEC=COLUMN IOFF=4.7 RIGID=1
NSEG=4 ANG=0

LOAD
:상부 고정하중 반력
NAME=D SW=1
TYPE=FORCE
ADD=3 UZ=-5695.7
ADD=10 UZ=-5838.67

:상부 활하중 반력 : LC1
NAME=L1
TYPE=FORCE
ADD=3 UZ=-1844.78

ADD=10 UZ=-1847.77

:풍하중 : 교축방향
NAME=W-LO
TYPE=Distributed Span
ADD= 1 RD=0.0000, 1.0000 UY=13.500, 13.500
ADD= 2 RD=0.0000, 1.0000 UY=13.500, 13.500
ADD= 3 RD=0.0000, 1.0000 UY=13.500, 13.500
ADD= 4 RD=0.0000, 1.0000 UY=13.500, 9.000
ADD= 5 RD=0.0000, 1.0000 UY= 9.000, 9.000
ADD= 6 RD=0.0000, 1.0000 UY= 9.000, 9.000
ADD= 7 RD=0.0000, 1.0000 UY= 9.000, 9.000
ADD= 8 RD=0.0000, 1.0000 UY= 9.000, 14.700
ADD= 9 RD=0.0000, 1.0000 UY=14.700, 14.700
ADD=10 RD=0.0000, 1.0000 UY=14.700, 14.700
ADD=11 RD=0.0000, 1.0000 UY=14.700, 14.700
ADD=12 RD=0.1030, 1.0000 UY= 8.700, 8.700
ADD=13 RD=0.1030, 1.0000 UY= 8.700, 8.700

:온도변화에 의한 수평력 : 교축방향
NAME=G-LO1
TYPE=FORCE
ADD=3 UY=60.3101 RX=-36.1861
ADD=10 UY=60.3101 RX=-36.1861

:지진하중 : 교축방향
NAME=E-LO

:풍하중 : 교축직각방향
NAME=W-TR
TYPE=Distributed Span
ADD=12 RD=0.1030, 1.0000 UX= 6.900, 6.900
ADD=13 RD=0.1030, 1.0000 UX= 3.450, 3.450
TYPE=FORCE
ADD=1 UX=38.22
ADD=3 UX=369.044 RY=955.825
ADD=10 UX=369.044 RY=955.825

:활하중에 작용하는 풍하중
NAME=WL
TYPE=FORCE
ADD=3 UX=41.3109 RY=211.574
ADD=10 UX=41.3109 RY=211.574

:온도변화에 의한 수평력 : 교축직각방향
NAME=G-TR
TYPE=Temperature ELEM=FRAME
ADD= 1 T=15
ADD= 2 T=15
ADD= 3 T=15
ADD= 4 T=15
ADD= 5 T=15
ADD= 6 T=15
ADD= 7 T=15
ADD= 8 T=15
ADD= 9 T=15
ADD=10 T=15
ADD=11 T=15

:지진하중 : 교축직각방향
NAME=E-TR

COMBO
NAME=SVB01 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
NAME=SVB02 TYPE=ADD
LOAD= D SF= 1.000
NAME=SVB03 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 1.000
NAME=SVB04 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
LOAD= W-LO SF= 0.500
NAME=SVB05 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 0.500
NAME=SVB06 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
LOAD= G-LO1 SF= 1.000
NAME=SVB07 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
NAME=SVB08 TYPE=ADD
LOAD= D SF= 1.000
LOAD= G-LO1 SF= 1.000
NAME=SVB09 TYPE=ADD
LOAD= D SF= 1.000
NAME=SVB10 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 1.000
LOAD= G-LO1 SF= 1.000
NAME=SVB11 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 1.000
NAME=SVB12 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000

LOAD= W-LO SF= 0.500
LOAD= G-LO1 SF= 1.000
NAME=SVB13 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
LOAD= W-LO SF= 0.500
NAME=SVB14 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 0.500
LOAD= G-LO1 SF= 1.000
NAME=SVB15 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 0.500
NAME=ULB01 TYPE=ADD
LOAD= D SF= 1.300
LOAD= L1 SF= 2.150
NAME=ULB02 TYPE=ADD
LOAD= D SF= 1.300
NAME=ULB03 TYPE=ADD
LOAD= D SF= 1.300
LOAD= W-LO SF= 1.300
NAME=ULB04 TYPE=ADD
LOAD= D SF= 1.300
LOAD= L1 SF= 1.300
LOAD= W-LO SF= 0.650
NAME=ULB05 TYPE=ADD
LOAD= D SF= 1.300
LOAD= W-LO SF= 0.650
NAME=ULB06 TYPE=ADD
LOAD= D SF= 1.300
LOAD= L1 SF= 1.300
LOAD= G-LO1 SF= 1.300
NAME=ULB07 TYPE=ADD
LOAD= D SF= 1.300
LOAD= L1 SF= 1.300
NAME=ULB08 TYPE=ADD
LOAD= D SF= 1.300
LOAD= G-LO1 SF= 1.300
NAME=ULB09 TYPE=ADD
LOAD= D SF= 1.300
NAME=ULB10 TYPE=ADD
LOAD= D SF= 1.250
LOAD= W-LO SF= 1.250
LOAD= G-LO1 SF= 1.250
NAME=ULB11 TYPE=ADD
LOAD= D SF= 1.250
LOAD= W-LO SF= 1.250
NAME=ULB12 TYPE=ADD
LOAD= D SF= 1.250
LOAD= L1 SF= 1.250
LOAD= W-LO SF= 0.625
LOAD= G-LO1 SF= 1.250
NAME=ULB13 TYPE=ADD
LOAD= D SF= 1.250
LOAD= L1 SF= 1.250
LOAD= W-LO SF= 0.625
NAME=ULB14 TYPE=ADD
LOAD= D SF= 1.250
LOAD= W-LO SF= 0.625
LOAD= G-LO1 SF= 1.250
NAME=ULB15 TYPE=ADD
LOAD= D SF= 1.250
LOAD= W-LO SF= 0.625
NAME=ULB16 TYPE=ADD
LOAD= D SF= 1.000
NAME=ULB17 TYPE=ADD
LOAD= D SF= 1.300
LOAD= L1 SF= 1.300
NAME=ULB18 TYPE=ADD
LOAD= D SF= 1.200
LOAD= W-LO SF= 1.200
NAME=UEB01 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 2.150
NAME=UEB02 TYPE=ADD
LOAD= D SF= 1.000
NAME=UEB03 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 1.300
NAME=UEB04 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.300
LOAD= G-LO1 SF= 1.300
NAME=UEB07 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.300
NAME=UEB08 TYPE=ADD
LOAD= D SF= 1.000
LOAD= G-LO1 SF= 1.300
NAME=UEB09 TYPE=ADD
LOAD= D SF= 1.000
NAME=UEB10 TYPE=ADD
LOAD= D SF= 0.950

LOAD= W-LO SF= 1.250
 LOAD= G-LO1 SF= 1.250
 NAME=UEB11 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-LO SF= 1.250
 NAME=UEB12 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= L1 SF= 1.250
 LOAD= W-LO SF= 0.625
 LOAD= G-LO1 SF= 1.250
 NAME=UEB13 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= L1 SF= 1.250
 LOAD= W-LO SF= 0.625
 NAME=UEB14 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-LO SF= 0.625
 LOAD= G-LO1 SF= 1.250
 NAME=UEB15 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-LO SF= 0.625
 NAME=UEB16 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=UEB17 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.300
 NAME=UEB18 TYPE=ADD
 LOAD= D SF= 0.900
 LOAD= W-LO SF= 1.200
 NAME=SVO01 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 NAME=SVO02 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=SVO03 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 1.000
 NAME=SVO04 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 NAME=SVO05 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 NAME=SVO06 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 LOAD= G-TR SF= 1.000
 NAME=SVO07 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 NAME=SVO08 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= G-TR SF= 1.000
 NAME=SVO09 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=SVO10 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 1.000
 LOAD= G-TR SF= 1.000
 NAME=SVO11 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 1.000
 NAME=SVO12 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 LOAD= G-TR SF= 1.000
 NAME=SVO13 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 NAME=SVO14 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 LOAD= G-TR SF= 1.000
 NAME=SVO15 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 NAME=ULO01 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= L1 SF= 2.150
 NAME=ULO02 TYPE=ADD
 LOAD= D SF= 1.300
 NAME=ULO03 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= W-TR SF= 1.300
 NAME=ULO04 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= L1 SF= 1.300
 LOAD= W-TR SF= 0.650
 LOAD= WL SF= 1.300
 NAME=ULO05 TYPE=ADD
 LOAD= D SF= 1.300

LOAD= W-TR SF= 0.650
 LOAD= WL SF= 1.300
 NAME=ULO06 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= L1 SF= 1.300
 LOAD= G-TR SF= 1.300
 NAME=ULO07 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= L1 SF= 1.300
 NAME=ULO08 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= G-TR SF= 1.300
 NAME=ULO09 TYPE=ADD
 LOAD= D SF= 1.300
 NAME=ULO10 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= W-TR SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=ULO11 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= W-TR SF= 1.250
 NAME=ULO12 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= L1 SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=ULO13 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= L1 SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 NAME=ULO14 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=ULO15 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 NAME=ULO16 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=ULO17 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= L1 SF= 1.300
 NAME=ULO18 TYPE=ADD
 LOAD= D SF= 1.200
 LOAD= W-TR SF= 1.200
 NAME=UEO01 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 2.150
 NAME=UEO02 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=UEO03 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 1.300
 NAME=UEO04 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.300
 LOAD= W-TR SF= 0.650
 LOAD= WL SF= 1.300
 NAME=UEO05 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 0.650
 LOAD= WL SF= 1.300
 NAME=UEO06 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.300
 LOAD= G-TR SF= 1.300
 NAME=UEO07 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.300
 NAME=UEO08 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= G-TR SF= 1.300
 NAME=UEO09 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=UEO10 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-TR SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=UEO11 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-TR SF= 1.250
 NAME=UEO12 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= L1 SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=UEO13 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= L1 SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 NAME=UEO14 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250

LOAD= G-TR SF= 1.250
 NAME=UEO15 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 NAME=UEO16 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=UEO17 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.300
 NAME=UEO18 TYPE=ADD
 LOAD= D SF= 0.900
 LOAD= W-TR SF= 1.200
 NAME=ENVBULT TYPE=ENVE
 COMB= ULB01 SF= 1.000
 NAME=ENVBECC TYPE=ENVE
 COMB= UEB01 SF= 1.000
 COMB= UEB02 SF= 1.000
 NAME=ENVOULT TYPE=ENVE
 COMB= ULO01 SF= 1.000
 NAME=ENVOECC TYPE=ENVE
 COMB= UEO01 SF= 1.000
 COMB= UEO02 SF= 1.000
 OUTPUT
 ELEM=JOINT TYPE=REAC,DISP,APP LOAD=*
 COMB=* HIST=* SPEC=*
 ELEM=FRAME TYPE=FORCE LOAD=*
 COMB=* HIST=* SPEC=*

■ 청도2교 부산방향(P3) 하부 input

: AAbutPier SAP2000 6~7 데이터파일 : 교각 본체

: TITLE : P3

SYSTEM
DOF=UX,UY,UZ,RX,RY,RZ LENGTH=M FORCE=KN

JOINT
1 X= 0.0000 Y= 0.0000 Z= 30.6330
2 X= 0.0150 Y= 0.0000 Z= 30.6330
3 X= 1.6000 Y= 0.0000 Z= 30.6330
4 X= 3.1850 Y= 0.0000 Z= 30.6330
5 X= 4.8000 Y= 0.0000 Z= 30.6330
6 X= 5.3000 Y= 0.0000 Z= 30.6330
7 X= 5.9000 Y= 0.0000 Z= 30.6330
8 X= 6.4000 Y= 0.0000 Z= 30.6330
9 X= 8.0150 Y= 0.0000 Z= 30.6330
10 X= 9.6000 Y= 0.0000 Z= 30.6330
11 X= 11.1850 Y= 0.0000 Z= 30.6330
12 X= 11.2000 Y= 0.0000 Z= 30.6330
13 X= 1.6000 Y= 0.0000 Z= 0.0000
14 X= 9.6000 Y= 0.0000 Z= 0.0000

RESTRAINT
ADD=13 DOF=U1, U2, U3, R1, R2, R3
ADD=14 DOF=U1, U2, U3, R1, R2, R3

MATERIAL
NAME=CONC1 IDES=C M=2.54842 W=25
E=2.5811e+007 U=0.15 A=1e-005
NAME=CONC2 IDES=C M=2.54842 W=25
E=2.5811e+007 U=0.15 A=1e-005
NAME=CONC3 IDES=C M=2.54842 W=25
E=2.5811e+007 U=0.15 A=1e-005

FRAME SECTION
NAME=COPP01 TYPE=PRISM MAT=CONC1 SH=R
T=3, 2.6
NAME=COPP02 TYPE=PRISM MAT=CONC1 SH=R
T=4.5, 2.6
NAME=COPP03 TYPE=PRISM MAT=CONC1 SH=R
T=4.9, 2.6
NAME=COLUP TYPE=PRISM MAT=CONC2 A=8.24274
I=6.91793,4.56924 J=8.32802 AS=0.0
NAME=COLDN TYPE=PRISM MAT=CONC2
A=8.24274 I=6.91793,4.56924 J=8.32802 AS=0.0
NAME=FOOT TYPE=PRISM MAT=CONC3 SH=R T=4.8,
9.6
NAME=CP0202 TYPE=NONPR SEC=COPP02,COPP02
EIVAR=2, 1
NAME=CP0201 TYPE=NONPR SEC=COPP02,COPP01
EIVAR=2, 1
NAME=CP0101 TYPE=NONPR SEC=COPP01,COPP01
EIVAR=2, 1
NAME=CP0103 TYPE=NONPR SEC=COPP01,COPP03
EIVAR=2, 1
NAME=CP0303 TYPE=NONPR SEC=COPP03,COPP03
EIVAR=2, 1
NAME=COLUMN TYPE=NONPR SEC=COLUP,COLDN
EIVAR=2, 1

FRAME
1 J= 1, 2 SEC=CP0202 NSEG=4 ANG=0
2 J= 2, 3 SEC=CP0202 NSEG=4 ANG=0
3 J= 3, 4 SEC=CP0202 NSEG=4 ANG=0
4 J= 4, 5 SEC=CP0201 NSEG=4 ANG=0
5 J= 5, 6 SEC=CP0101 NSEG=4 ANG=0
6 J= 6, 7 SEC=CP0101 NSEG=4 ANG=0
7 J= 7, 8 SEC=CP0101 NSEG=4 ANG=0
8 J= 8, 9 SEC=CP0103 NSEG=4 ANG=0
9 J= 9, 10 SEC=CP0303 NSEG=4 ANG=0
10 J= 10, 11 SEC=CP0303 NSEG=4 ANG=0
11 J= 11, 12 SEC=CP0303 NSEG=4 ANG=0
12 J= 3, 13 SEC=COLUMN IOFF=4.5 RIGID=1
NSEG=4 ANG=0
13 J= 10, 14 SEC=COLUMN IOFF=4.5 RIGID=1
NSEG=4 ANG=0

LOAD
:상부 고정하중 반력
NAME=D SW=1
TYPE=FORCE
ADD=3 UZ=-6045.45
ADD=10 UZ=-6182

:상부 활하중 반력 : LC1
NAME=L1
TYPE=FORCE
ADD=3 UZ=-1891.59
ADD=10 UZ=-1888.3

:풍하중 : 교축방향
NAME=W-LO
TYPE=Distributed Span
ADD= 1 RD=0.0000, 1.0000 UY=13.500, 13.500
ADD= 2 RD=0.0000, 1.0000 UY=13.500, 13.500
ADD= 3 RD=0.0000, 1.0000 UY=13.500, 13.500
ADD= 4 RD=0.0000, 1.0000 UY=13.500, 9.000
ADD= 5 RD=0.0000, 1.0000 UY= 9.000, 9.000
ADD= 6 RD=0.0000, 1.0000 UY= 9.000, 9.000
ADD= 7 RD=0.0000, 1.0000 UY= 9.000, 9.000
ADD= 8 RD=0.0000, 1.0000 UY= 9.000, 14.700

ADD= 9 RD=0.0000, 1.0000 UY=14.700, 14.700
ADD=10 RD=0.0000, 1.0000 UY=14.700, 14.700
ADD=11 RD=0.0000, 1.0000 UY=14.700, 14.700
ADD=12 RD=0.1470, 1.0000 UY= 8.700, 8.700
ADD=13 RD=0.1470, 1.0000 UY= 8.700, 8.700

:온도변화에 의한 수평력 : 교축방향
NAME=G-LO1
TYPE=FORCE
ADD=3 UY=203.089 RX=-81.2354
ADD=10 UY=203.089 RX=-81.2354

:지진하중 : 교축방향
NAME=E-LO

:풍하중 : 교축직각방향
NAME=W-TR
TYPE=Distributed Span
ADD=12 RD=0.1470, 1.0000 UX= 6.900, 6.900
ADD=13 RD=0.1470, 1.0000 UX= 3.450, 3.450
TYPE=FORCE
ADD=1 UX=35.1
ADD=3 UX=369.254 RY=882.516
ADD=10 UX=369.254 RY=882.516

:활하중에 작용하는 풍하중
NAME=WL
TYPE=FORCE
ADD=3 UX=41.3344 RY=203.427
ADD=10 UX=41.3344 RY=203.427

:온도변화에 의한 수평력 : 교축직각방향
NAME=G-TR
TYPE=Temperature ELEM=FRAME
ADD= 1 T=15
ADD= 2 T=15
ADD= 3 T=15
ADD= 4 T=15
ADD= 5 T=15
ADD= 6 T=15
ADD= 7 T=15
ADD= 8 T=15
ADD= 9 T=15
ADD=10 T=15
ADD=11 T=15

:지진하중 : 교축직각방향
NAME=E-TR

COMBO
NAME=SVB01 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
NAME=SVB02 TYPE=ADD
LOAD= D SF= 1.000
NAME=SVB03 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 1.000
NAME=SVB04 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
LOAD= W-LO SF= 0.500
NAME=SVB05 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 0.500
NAME=SVB06 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
LOAD= G-LO1 SF= 1.000
NAME=SVB07 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
NAME=SVB08 TYPE=ADD
LOAD= D SF= 1.000
LOAD= G-LO1 SF= 1.000
NAME=SVB09 TYPE=ADD
LOAD= D SF= 1.000
NAME=SVB10 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 1.000
LOAD= G-LO1 SF= 1.000
NAME=SVB11 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 1.000
NAME=SVB12 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
LOAD= W-LO SF= 0.500
LOAD= G-LO1 SF= 1.000
NAME=SVB13 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.000
LOAD= W-LO SF= 0.500
NAME=SVB14 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 0.500
LOAD= G-LO1 SF= 1.000
NAME=SVB15 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 0.500
NAME=ULB01 TYPE=ADD
LOAD= D SF= 1.300
LOAD= L1 SF= 2.150
NAME=ULB02 TYPE=ADD
LOAD= D SF= 1.300
NAME=ULB03 TYPE=ADD
LOAD= D SF= 1.300

LOAD= W-LO SF= 1.300
NAME=ULB04 TYPE=ADD
LOAD= D SF= 1.300
LOAD= L1 SF= 1.300
LOAD= W-LO SF= 0.650
NAME=ULB05 TYPE=ADD
LOAD= D SF= 1.300
LOAD= W-LO SF= 0.650
NAME=ULB06 TYPE=ADD
LOAD= D SF= 1.300
LOAD= L1 SF= 1.300
LOAD= G-LO1 SF= 1.300
NAME=ULB07 TYPE=ADD
LOAD= D SF= 1.300
LOAD= L1 SF= 1.300
NAME=ULB08 TYPE=ADD
LOAD= D SF= 1.300
LOAD= G-LO1 SF= 1.300
NAME=ULB09 TYPE=ADD
LOAD= D SF= 1.300
NAME=ULB10 TYPE=ADD
LOAD= D SF= 1.250
LOAD= W-LO SF= 1.250
LOAD= G-LO1 SF= 1.250
NAME=ULB11 TYPE=ADD
LOAD= D SF= 1.250
LOAD= W-LO SF= 1.250
NAME=ULB12 TYPE=ADD
LOAD= D SF= 1.250
LOAD= L1 SF= 1.250
LOAD= W-LO SF= 0.625
LOAD= G-LO1 SF= 1.250
NAME=ULB13 TYPE=ADD
LOAD= D SF= 1.250
LOAD= L1 SF= 1.250
LOAD= W-LO SF= 0.625
NAME=ULB14 TYPE=ADD
LOAD= D SF= 1.250
LOAD= W-LO SF= 0.625
LOAD= G-LO1 SF= 1.250
NAME=ULB15 TYPE=ADD
LOAD= D SF= 1.250
LOAD= W-LO SF= 0.625
NAME=ULB16 TYPE=ADD
LOAD= D SF= 1.000
NAME=ULB17 TYPE=ADD
LOAD= D SF= 1.300
LOAD= L1 SF= 1.300
NAME=ULB18 TYPE=ADD
LOAD= D SF= 1.200
LOAD= W-LO SF= 1.200
NAME=UEB01 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 2.150
NAME=UEB02 TYPE=ADD
LOAD= D SF= 1.000
NAME=UEB03 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 1.300
NAME=UEB04 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.300
LOAD= W-LO SF= 0.650
NAME=UEB05 TYPE=ADD
LOAD= D SF= 1.000
LOAD= W-LO SF= 0.650
NAME=UEB06 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.300
LOAD= G-LO1 SF= 1.300
NAME=UEB07 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.300
NAME=UEB08 TYPE=ADD
LOAD= D SF= 1.000
LOAD= G-LO1 SF= 1.300
NAME=UEB09 TYPE=ADD
LOAD= D SF= 1.000
NAME=UEB10 TYPE=ADD
LOAD= D SF= 0.950
LOAD= W-LO SF= 1.250
LOAD= G-LO1 SF= 1.250
NAME=UEB11 TYPE=ADD
LOAD= D SF= 0.950
LOAD= W-LO SF= 1.250
NAME=UEB12 TYPE=ADD
LOAD= D SF= 0.950
LOAD= L1 SF= 1.250
LOAD= W-LO SF= 0.625
LOAD= G-LO1 SF= 1.250
NAME=UEB13 TYPE=ADD
LOAD= D SF= 0.950
LOAD= L1 SF= 1.250
LOAD= W-LO SF= 0.625
NAME=UEB14 TYPE=ADD
LOAD= D SF= 0.950
LOAD= W-LO SF= 0.625
LOAD= G-LO1 SF= 1.250
NAME=UEB15 TYPE=ADD
LOAD= D SF= 0.950
LOAD= W-LO SF= 0.625
NAME=UEB16 TYPE=ADD
LOAD= D SF= 1.000
NAME=UEB17 TYPE=ADD
LOAD= D SF= 1.000
LOAD= L1 SF= 1.300
NAME=UEB18 TYPE=ADD

LOAD= D SF= 0.900
 LOAD= W-LO SF= 1.200
 NAME=SVO01 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 NAME=SVO02 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=SVO03 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 1.000
 NAME=SVO04 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 NAME=SVO05 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 NAME=SVO06 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 LOAD= G-TR SF= 1.000
 NAME=SVO07 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 NAME=SVO08 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= G-TR SF= 1.000
 NAME=SVO09 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=SVO10 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 1.000
 LOAD= G-TR SF= 1.000
 NAME=SVO11 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 1.000
 NAME=SVO12 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 LOAD= G-TR SF= 1.000
 NAME=SVO13 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 NAME=SVO14 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 LOAD= G-TR SF= 1.000
 NAME=SVO15 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 0.500
 LOAD= WL SF= 1.000
 NAME=ULO01 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= L1 SF= 2.150
 NAME=ULO02 TYPE=ADD
 LOAD= D SF= 1.300
 NAME=ULO03 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= W-TR SF= 1.300
 NAME=ULO04 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= L1 SF= 1.300
 LOAD= W-TR SF= 0.650
 LOAD= WL SF= 1.300
 NAME=ULO05 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= W-TR SF= 0.650
 LOAD= WL SF= 1.300
 NAME=ULO06 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= L1 SF= 1.300
 LOAD= G-TR SF= 1.300
 NAME=ULO07 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= L1 SF= 1.300
 NAME=ULO08 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= G-TR SF= 1.300
 NAME=ULO09 TYPE=ADD
 LOAD= D SF= 1.300
 NAME=ULO10 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= W-TR SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=ULO11 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= W-TR SF= 1.250
 NAME=ULO12 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= L1 SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=ULO13 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= L1 SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 NAME=ULO14 TYPE=ADD
 LOAD= D SF= 1.250

LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=ULO15 TYPE=ADD
 LOAD= D SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 NAME=ULO16 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=ULO17 TYPE=ADD
 LOAD= D SF= 1.300
 LOAD= L1 SF= 1.300
 NAME=ULO18 TYPE=ADD
 LOAD= D SF= 1.200
 LOAD= W-TR SF= 1.200
 NAME=UEO01 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 2.150
 NAME=UEO02 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=UEO03 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 1.300
 NAME=UEO04 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.300
 LOAD= W-TR SF= 0.650
 LOAD= WL SF= 1.300
 NAME=UEO05 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= W-TR SF= 0.650
 LOAD= WL SF= 1.300
 NAME=UEO06 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.300
 LOAD= G-TR SF= 1.300
 NAME=UEO07 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.300
 NAME=UEO08 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= G-TR SF= 1.300
 NAME=UEO09 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=UEO10 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-TR SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=UEO11 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-TR SF= 1.250
 NAME=UEO12 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= L1 SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=UEO13 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= L1 SF= 1.250
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 NAME=UEO14 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 LOAD= G-TR SF= 1.250
 NAME=UEO15 TYPE=ADD
 LOAD= D SF= 0.950
 LOAD= W-TR SF= 0.625
 LOAD= WL SF= 1.250
 NAME=UEO16 TYPE=ADD
 LOAD= D SF= 1.000
 NAME=UEO17 TYPE=ADD
 LOAD= D SF= 1.000
 LOAD= L1 SF= 1.300
 NAME=UEO18 TYPE=ADD
 LOAD= D SF= 0.900
 LOAD= W-TR SF= 1.200
 NAME=ENVBULT TYPE=ENVE
 COMB= ULB01 SF= 1.000
 NAME=ENVBEC TYPE=ENVE
 COMB= UEB01 SF= 1.000
 COMB= UEB02 SF= 1.000
 NAME=ENVOULT TYPE=ENVE
 COMB= ULO01 SF= 1.000
 NAME=ENVOECC TYPE=ENVE
 COMB= UEO01 SF= 1.000
 COMB= UEO02 SF= 1.000
 OUTPUT
 ELEM=JOINT TYPE=REAC,DISP,APP
 COMB=* HIST=* SPEC=*
 ELEM=FRAME TYPE=FORCE
 COMB=* HIST=* SPEC=*

LOAD=*

LOAD=*