

```

      0000000      000000      00000
      00000000    00000000    0000000
      00  00    00  00    00  00
      00  00    00      00  00
      00000000    00      0000000  00000
      0000000    00  00    0000000  00000
      00      00000000    00  00
      00      000000      00  00

00      00      00000      00      00
00      00      0000000    00      00
00      00      00  00    00      00
00      00      00  00    00      00
00  00  00  00  0000000    00      00
00 00  00 00  0000000    00      00
000      000    00  00    000000  000000
00      00    00  00    000000  000000 (TM)

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=====
                    pcaWall (tm) - A Computer Program for:
                    Analysis and design of reinforced concrete, precast, and tilt-up walls
=====
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LINE LOAD DEFINITIONS:

=====

wx, wy, wz: (klf)
Eccentricity: (in)

Label	Case	wx	wy	wz	Ecc.
PD	A	0.000	-55.000	0.000	1.33
PL	B	0.000	-30.000	0.000	1.33

LOAD COMBINATIONS:

=====

Self weight is not included under Case A.

Ld Combo	Case A	Case B	Case C	Case D	Case E	Case F	Type
s1	1.000	1.000	0.000	0.000	0.000	0.000	Ser.
u1	1.200	1.600	0.000	0.000	0.000	0.000	Ult.

X-GRID LINE DEFINITIONS:

=====

No.	Coord. (ft)	No.	Coord. (ft)	No.	Coord. (ft)
1	0	2	1	3	2
4	3	5	4	6	5
7	6	8	7	9	8

Y-GRID LINE DEFINITIONS:

=====

No.	Coord. (ft)	No.	Coord. (ft)	No.	Coord. (ft)
1	0	2	1	3	2
4	3	5	4	6	5
7	6	8	7	9	8
10	9	11	10		

NODAL DATA:

=====

Node	X-Grid	Y-Grid	Rigid Support	Spring Support	Point load
1	0	0	Fixed		
2	1	0	Fixed		
3	2	0	Fixed		
4	3	0	Fixed		
5	4	0	Fixed		
6	5	0	Fixed		
7	6	0	Fixed		
8	7	0	Fixed		
9	8	0	Fixed		
10	0	1	Symmetry		
11	1	1			
12	2	1			
13	3	1			
14	4	1			
15	5	1			
16	6	1			
17	7	1			
18	8	1	Symmetry		
19	0	2	Symmetry		
20	1	2			
21	2	2			
22	3	2			
23	4	2			
24	5	2			
25	6	2			
26	7	2			
27	8	2	Symmetry		
28	0	3	Symmetry		
29	1	3			
30	2	3			
31	3	3			
32	4	3			
33	5	3			
34	6	3			
35	7	3			
36	8	3	Symmetry		
37	0	4	Symmetry		
38	1	4			
39	2	4			
40	3	4			
41	4	4			
42	5	4			
43	6	4			
44	7	4			
45	8	4	Symmetry		
46	0	5	Symmetry		
47	1	5			
48	2	5			
49	3	5			
50	4	5			
51	5	5			
52	6	5			
53	7	5			
54	8	5	Symmetry		
55	0	6	Symmetry		
56	1	6			
57	2	6			
58	3	6			
59	4	6			
60	5	6			
61	6	6			
62	7	6			

63	8	6 Symmetry
64	0	7 Symmetry
65	1	7
66	2	7
67	3	7
68	4	7
69	5	7
70	6	7
71	7	7
72	8	7 Symmetry
73	0	8 Symmetry
74	1	8
75	2	8
76	3	8
77	4	8
78	5	8
79	6	8
80	7	8
81	8	8 Symmetry
82	0	9 Symmetry
83	1	9
84	2	9
85	3	9
86	4	9
87	5	9
88	6	9
89	7	9
90	8	9 Symmetry
91	0	10 Roller
92	1	10 Roller
93	2	10 Roller
94	3	10 Roller
95	4	10 Roller
96	5	10 Roller
97	6	10 Roller
98	7	10 Roller
99	8	10 Roller

PLATE ELEMENT DEFINITIONS:

=====

X-Dim, Y-Dim: (ft)

Elem	Nodes				Dimensions	
	L-B	R-B	L-T	R-T	Width	Height
1	1	2	10	11	1.00	1.00
2	2	3	11	12	1.00	1.00
3	3	4	12	13	1.00	1.00
4	4	5	13	14	1.00	1.00
5	5	6	14	15	1.00	1.00
6	6	7	15	16	1.00	1.00
7	7	8	16	17	1.00	1.00
8	8	9	17	18	1.00	1.00
9	10	11	19	20	1.00	1.00
10	11	12	20	21	1.00	1.00
11	12	13	21	22	1.00	1.00
12	13	14	22	23	1.00	1.00
13	14	15	23	24	1.00	1.00
14	15	16	24	25	1.00	1.00
15	16	17	25	26	1.00	1.00
16	17	18	26	27	1.00	1.00
17	19	20	28	29	1.00	1.00
18	20	21	29	30	1.00	1.00
19	21	22	30	31	1.00	1.00
20	22	23	31	32	1.00	1.00
21	23	24	32	33	1.00	1.00
22	24	25	33	34	1.00	1.00

23	25	26	34	35	1.00	1.00
24	26	27	35	36	1.00	1.00
25	28	29	37	38	1.00	1.00
26	29	30	38	39	1.00	1.00
27	30	31	39	40	1.00	1.00
28	31	32	40	41	1.00	1.00
29	32	33	41	42	1.00	1.00
30	33	34	42	43	1.00	1.00
31	34	35	43	44	1.00	1.00
32	35	36	44	45	1.00	1.00
33	37	38	46	47	1.00	1.00
34	38	39	47	48	1.00	1.00
35	39	40	48	49	1.00	1.00
36	40	41	49	50	1.00	1.00
37	41	42	50	51	1.00	1.00
38	42	43	51	52	1.00	1.00
39	43	44	52	53	1.00	1.00
40	44	45	53	54	1.00	1.00
41	46	47	55	56	1.00	1.00
42	47	48	56	57	1.00	1.00
43	48	49	57	58	1.00	1.00
44	49	50	58	59	1.00	1.00
45	50	51	59	60	1.00	1.00
46	51	52	60	61	1.00	1.00
47	52	53	61	62	1.00	1.00
48	53	54	62	63	1.00	1.00
49	55	56	64	65	1.00	1.00
50	56	57	65	66	1.00	1.00
51	57	58	66	67	1.00	1.00
52	58	59	67	68	1.00	1.00
53	59	60	68	69	1.00	1.00
54	60	61	69	70	1.00	1.00
55	61	62	70	71	1.00	1.00
56	62	63	71	72	1.00	1.00
57	64	65	73	74	1.00	1.00
58	65	66	74	75	1.00	1.00
59	66	67	75	76	1.00	1.00
60	67	68	76	77	1.00	1.00
61	68	69	77	78	1.00	1.00
62	69	70	78	79	1.00	1.00
63	70	71	79	80	1.00	1.00
64	71	72	80	81	1.00	1.00
65	73	74	82	83	1.00	1.00
66	74	75	83	84	1.00	1.00
67	75	76	84	85	1.00	1.00
68	76	77	85	86	1.00	1.00
69	77	78	86	87	1.00	1.00
70	78	79	87	88	1.00	1.00
71	79	80	88	89	1.00	1.00
72	80	81	89	90	1.00	1.00
73	82	83	91	92	1.00	1.00
74	83	84	92	93	1.00	1.00
75	84	85	93	94	1.00	1.00
76	85	86	94	95	1.00	1.00
77	86	87	95	96	1.00	1.00
78	87	88	96	97	1.00	1.00
79	88	89	97	98	1.00	1.00
80	89	90	98	99	1.00	1.00

PLATE ELEMENT ASSIGNMENTS:

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Elem	Thick.	Cracking	Concrete	Steel	DesParam
1	t1	crack	conc	grade60	criteria
2	t1	crack	conc	grade60	criteria
3	t1	crack	conc	grade60	criteria
4	t1	crack	conc	grade60	criteria
5	t1	crack	conc	grade60	criteria
6	t1	crack	conc	grade60	criteria
7	t1	crack	conc	grade60	criteria
8	t1	crack	conc	grade60	criteria
9	t1	crack	conc	grade60	criteria
10	t1	crack	conc	grade60	criteria
11	t1	crack	conc	grade60	criteria
12	t1	crack	conc	grade60	criteria
13	t1	crack	conc	grade60	criteria
14	t1	crack	conc	grade60	criteria
15	t1	crack	conc	grade60	criteria
16	t1	crack	conc	grade60	criteria
17	t1	crack	conc	grade60	criteria
18	t1	crack	conc	grade60	criteria
19	t1	crack	conc	grade60	criteria
20	t1	crack	conc	grade60	criteria
21	t1	crack	conc	grade60	criteria
22	t1	crack	conc	grade60	criteria
23	t1	crack	conc	grade60	criteria
24	t1	crack	conc	grade60	criteria
25	t1	crack	conc	grade60	criteria
26	t1	crack	conc	grade60	criteria
27	t1	crack	conc	grade60	criteria
28	t1	crack	conc	grade60	criteria
29	t1	crack	conc	grade60	criteria
30	t1	crack	conc	grade60	criteria
31	t1	crack	conc	grade60	criteria
32	t1	crack	conc	grade60	criteria
33	t1	crack	conc	grade60	criteria
34	t1	crack	conc	grade60	criteria
35	t1	crack	conc	grade60	criteria
36	t1	crack	conc	grade60	criteria
37	t1	crack	conc	grade60	criteria
38	t1	crack	conc	grade60	criteria
39	t1	crack	conc	grade60	criteria
40	t1	crack	conc	grade60	criteria
41	t1	crack	conc	grade60	criteria
42	t1	crack	conc	grade60	criteria
43	t1	crack	conc	grade60	criteria
44	t1	crack	conc	grade60	criteria
45	t1	crack	conc	grade60	criteria
46	t1	crack	conc	grade60	criteria
47	t1	crack	conc	grade60	criteria
48	t1	crack	conc	grade60	criteria
49	t1	crack	conc	grade60	criteria
50	t1	crack	conc	grade60	criteria
51	t1	crack	conc	grade60	criteria
52	t1	crack	conc	grade60	criteria
53	t1	crack	conc	grade60	criteria
54	t1	crack	conc	grade60	criteria
55	t1	crack	conc	grade60	criteria
56	t1	crack	conc	grade60	criteria
57	t1	crack	conc	grade60	criteria
58	t1	crack	conc	grade60	criteria
59	t1	crack	conc	grade60	criteria
60	t1	crack	conc	grade60	criteria
61	t1	crack	conc	grade60	criteria
62	t1	crack	conc	grade60	criteria

63	t1	crack	conc	grade60	criteria
64	t1	crack	conc	grade60	criteria
65	t1	crack	conc	grade60	criteria
66	t1	crack	conc	grade60	criteria
67	t1	crack	conc	grade60	criteria
68	t1	crack	conc	grade60	criteria
69	t1	crack	conc	grade60	criteria
70	t1	crack	conc	grade60	criteria
71	t1	crack	conc	grade60	criteria
72	t1	crack	conc	grade60	criteria
73	t1	crack	conc	grade60	criteria
74	t1	crack	conc	grade60	criteria
75	t1	crack	conc	grade60	criteria
76	t1	crack	conc	grade60	criteria
77	t1	crack	conc	grade60	criteria
78	t1	crack	conc	grade60	criteria
79	t1	crack	conc	grade60	criteria
80	t1	crack	conc	grade60	criteria

APPLIED POINT LOADS:

=====

Node	Case A	Case B	Case C	Case D	Case E	Case F
------	--------	--------	--------	--------	--------	--------

APPLIED UNIFORM LINE LOADS:

=====

Grid lines in X direction

Nodes		Case A	Case B	Case C	Case D	Case E	Case F
Start	End						
91	92	PD	PL				
92	93	PD	PL				
93	94	PD	PL				
94	95	PD	PL				
95	96	PD	PL				
96	97	PD	PL				
97	98	PD	PL				
98	99	PD	PL				

Grid lines in Y direction

Nodes		Case A	Case B	Case C	Case D	Case E	Case F
Start	End						

APPLIED UNIFORM AREA LOADS:

=====

Elem	Case A	Case B	Case C	Case D	Case E	Case F
------	--------	--------	--------	--------	--------	--------

APPLIED LINEAR AREA LOADS:

=====

Elem	Case A	Case B	Case C	Case D	Case E	Case F
------	--------	--------	--------	--------	--------	--------

SERVICE COMBINATIONS: NODAL DISPLACEMENTS

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Displacement (Dx, Dy, Dz): in

Service combination: s1

Node	Dx	Dy	Dz
1	-1.01E-015	-5.07E-015	-6.96E-017
2	2.11E-026	-1.01E-014	-1.39E-016
3	1.60E-028	-1.01E-014	-1.39E-016
4	-9.97E-030	-1.01E-014	-1.39E-016
5	2.50E-030	-1.01E-014	-1.39E-016
6	1.43E-029	-1.01E-014	-1.39E-016
7	-1.55E-028	-1.01E-014	-1.39E-016
8	-2.11E-026	-1.01E-014	-1.39E-016
9	1.01E-015	-5.07E-015	-6.96E-017
10	-2.03E-015	-2.66E-003	-1.85E-003
11	-5.18E-018	-2.66E-003	-1.85E-003
12	-1.67E-016	-2.66E-003	-1.85E-003
13	-1.17E-016	-2.66E-003	-1.85E-003
14	1.02E-018	-2.66E-003	-1.85E-003
15	1.20E-016	-2.66E-003	-1.85E-003
16	1.69E-016	-2.66E-003	-1.85E-003
17	5.89E-018	-2.66E-003	-1.85E-003
18	2.03E-015	-2.66E-003	-1.85E-003
19	-2.03E-015	-5.32E-003	-6.58E-003
20	-1.84E-015	-5.32E-003	-6.58E-003
21	-8.35E-016	-5.32E-003	-6.58E-003
22	-3.67E-016	-5.32E-003	-6.58E-003
23	2.84E-018	-5.32E-003	-6.58E-003
24	3.72E-016	-5.32E-003	-6.58E-003
25	8.40E-016	-5.32E-003	-6.58E-003
26	1.84E-015	-5.32E-003	-6.58E-003
27	2.03E-015	-5.32E-003	-6.58E-003
28	-2.03E-015	-7.98E-003	-1.30E-002
29	-1.74E-015	-7.98E-003	-1.30E-002
30	-1.23E-015	-7.98E-003	-1.30E-002
31	-5.68E-016	-7.98E-003	-1.30E-002
32	4.01E-018	-7.98E-003	-1.30E-002
33	5.76E-016	-7.98E-003	-1.30E-002
34	1.23E-015	-7.98E-003	-1.30E-002
35	1.74E-015	-7.98E-003	-1.30E-002
36	2.03E-015	-7.98E-003	-1.30E-002
37	-2.03E-015	-1.06E-002	-1.98E-002
38	-1.69E-015	-1.06E-002	-1.98E-002
39	-1.22E-015	-1.06E-002	-1.98E-002
40	-6.36E-016	-1.06E-002	-1.98E-002
41	5.62E-018	-1.06E-002	-1.98E-002
42	6.47E-016	-1.06E-002	-1.98E-002
43	1.23E-015	-1.06E-002	-1.98E-002
44	1.69E-015	-1.06E-002	-1.98E-002
45	2.03E-015	-1.06E-002	-1.98E-002
46	-2.03E-015	-1.33E-002	-2.57E-002
47	-1.66E-015	-1.33E-002	-2.57E-002
48	-1.20E-015	-1.33E-002	-2.57E-002
49	-6.26E-016	-1.33E-002	-2.57E-002
50	6.49E-018	-1.33E-002	-2.57E-002
51	6.39E-016	-1.33E-002	-2.57E-002
52	1.21E-015	-1.33E-002	-2.57E-002
53	1.66E-015	-1.33E-002	-2.57E-002
54	2.03E-015	-1.33E-002	-2.57E-002
55	-2.03E-015	-1.60E-002	-2.96E-002
56	-1.65E-015	-1.60E-002	-2.96E-002
57	-1.17E-015	-1.60E-002	-2.96E-002
58	-6.02E-016	-1.60E-002	-2.96E-002

59	8.15E-018	-1.60E-002	-2.96E-002
60	6.18E-016	-1.60E-002	-2.96E-002
61	1.19E-015	-1.60E-002	-2.96E-002
62	1.66E-015	-1.60E-002	-2.96E-002
63	2.03E-015	-1.60E-002	-2.96E-002
64	-2.03E-015	-1.86E-002	-3.01E-002
65	-1.65E-015	-1.86E-002	-3.01E-002
66	-1.12E-015	-1.86E-002	-3.01E-002
67	-5.00E-016	-1.86E-002	-3.01E-002
68	9.03E-018	-1.86E-002	-3.01E-002
69	5.18E-016	-1.86E-002	-3.01E-002
70	1.13E-015	-1.86E-002	-3.01E-002
71	1.66E-015	-1.86E-002	-3.01E-002
72	2.03E-015	-1.86E-002	-3.01E-002
73	-2.03E-015	-2.13E-002	-2.62E-002
74	-1.67E-015	-2.13E-002	-2.62E-002
75	-6.59E-016	-2.13E-002	-2.62E-002
76	-3.01E-016	-2.13E-002	-2.62E-002
77	7.54E-018	-2.13E-002	-2.62E-002
78	3.14E-016	-2.13E-002	-2.62E-002
79	6.70E-016	-2.13E-002	-2.62E-002
80	1.67E-015	-2.13E-002	-2.62E-002
81	2.03E-015	-2.13E-002	-2.62E-002
82	-2.03E-015	-2.39E-002	-1.65E-002
83	3.98E-016	-2.39E-002	-1.65E-002
84	-7.43E-017	-2.39E-002	-1.65E-002
85	-9.24E-017	-2.39E-002	-1.65E-002
86	4.53E-018	-2.39E-002	-1.65E-002
87	1.01E-016	-2.39E-002	-1.65E-002
88	8.06E-017	-2.39E-002	-1.65E-002
89	-3.95E-016	-2.39E-002	-1.65E-002
90	2.03E-015	-2.39E-002	-1.65E-002
91	-1.01E-015	-2.66E-002	6.96E-017
92	1.91E-026	-2.66E-002	1.39E-016
93	2.13E-029	-2.66E-002	1.39E-016
94	3.55E-030	-2.66E-002	1.39E-016
95	-1.59E-030	-2.66E-002	1.39E-016
96	-6.42E-030	-2.66E-002	1.39E-016
97	-1.36E-029	-2.66E-002	1.39E-016
98	-1.91E-026	-2.66E-002	1.39E-016
99	1.01E-015	-2.66E-002	6.96E-017

SERVICE COMBINATIONS: REACTIONS

=====

Force (Fx, Fy, Fz): kips, Moment (Mx, My, Mz): k-ft

Service combination: s1

Node	Fx	Fy	Fz	Mx	My	Mz
1	8.5000E+000	4.2500E+001	7.1384E-001	2.4280E+000	-5.1674E-001	5.6667E+000
2	-1.7667E-010	8.5000E+001	1.4277E+000	4.8559E+000	1.6799E-012	6.5822E-001
3	-1.3361E-012	8.5000E+001	1.4277E+000	4.8559E+000	-1.7792E-013	-2.8111E-001
4	8.5153E-014	8.5000E+001	1.4277E+000	4.8559E+000	3.3739E-013	-2.4947E-001
5	-1.5603E-014	8.5000E+001	1.4277E+000	4.8559E+000	9.8965E-015	2.2311E-001
6	-1.1861E-013	8.5000E+001	1.4277E+000	4.8559E+000	-3.1695E-013	2.8283E-001
7	1.3050E-012	8.5000E+001	1.4277E+000	4.8559E+000	1.9339E-013	3.1299E-001
8	1.7666E-010	8.5000E+001	1.4277E+000	4.8559E+000	-1.6729E-012	-6.5776E-001
9	-8.5000E+000	4.2500E+001	7.1384E-001	2.4280E+000	5.1674E-001	-5.6667E+000
10	1.7000E+001	-8.5015E-015	3.2584E-015	2.4464E-015	-6.8213E-001	-1.5109E-001
18	-1.7000E+001	1.1297E-014	7.6983E-015	-6.0282E-016	6.8213E-001	1.5116E-001
19	1.7000E+001	6.1337E-014	5.9258E-014	1.5220E-014	-3.9027E-001	3.2037E-001
27	-1.7000E+001	-5.1070E-015	3.7908E-014	-7.0259E-015	3.9027E-001	-3.1837E-001
28	1.7000E+001	-9.7586E-014	1.4362E-014	2.1760E-014	-9.6083E-002	1.2093E-001
36	-1.7000E+001	3.8747E-014	-1.1810E-013	-1.1699E-014	9.6083E-002	-1.2191E-001
37	1.7000E+001	2.8999E-014	1.2393E-013	-2.1411E-014	1.9868E-001	3.6659E-001
45	-1.7000E+001	-1.9360E-015	8.0610E-014	-2.9213E-015	-1.9868E-001	-3.5091E-001

46	1.7000E+001	-3.3600E-014	2.0012E-013	-4.3454E-014	4.9225E-001	5.3217E-001
54	-1.7000E+001	-4.5103E-015	2.9588E-013	-1.0821E-014	-4.9225E-001	-4.4501E-001
55	1.7000E+001	-4.9984E-014	-5.0919E-014	8.2269E-014	7.8288E-001	-2.0345E-001
63	-1.7000E+001	-5.4359E-014	-2.2771E-013	6.2221E-014	-7.8288E-001	2.1733E-001
64	1.7000E+001	1.7665E-013	-2.0962E-013	-5.7511E-014	1.0688E+000	-9.0672E-001
72	-1.7000E+001	1.0342E-013	1.2311E-013	1.0281E-014	-1.0688E+000	9.0478E-001
73	1.7000E+001	-7.5326E-014	6.9930E-014	4.0497E-014	1.3484E+000	-2.1605E-001
81	-1.7000E+001	1.9272E-013	-1.0119E-013	6.0270E-015	-1.3484E+000	2.1493E-001
82	1.7000E+001	-1.4860E-013	-1.2027E-013	1.5288E-014	1.6199E+000	1.9040E-001
90	-1.7000E+001	-1.3440E-013	7.3285E-014	-2.4286E-014	-1.6199E+000	-1.9027E-001
91	8.5000E+000	1.2039E-015	-7.1384E-001	5.7940E-016	9.8140E-001	-5.6667E+000
92	-1.6030E-010	3.4023E-014	-1.4277E+000	-1.8617E-014	-8.1200E-012	-5.5341E-001
93	-2.1610E-013	2.4220E-014	-1.4277E+000	-2.1795E-014	-5.7274E-013	-2.7409E-001
94	-4.0180E-014	4.7949E-014	-1.4277E+000	1.4683E-014	-8.9297E-014	-4.4637E-001
95	-3.6054E-014	2.8400E-013	-1.4277E+000	1.0651E-015	-7.5416E-015	-1.7896E-001
96	5.6316E-014	-5.7065E-014	-1.4277E+000	-4.3951E-014	7.5202E-014	8.1572E-001
97	1.6632E-013	2.2943E-013	-1.4277E+000	3.4926E-015	5.6395E-013	2.3610E-001
98	1.6017E-010	-2.8526E-013	-1.4277E+000	-1.6312E-014	8.1129E-012	5.4955E-001
99	-8.5000E+000	-1.9602E-014	-7.1384E-001	-2.9667E-016	-9.8140E-001	5.6667E+000

ULTIMATE COMBINATIONS: PLATE INTERNAL FORCES

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 Axial force (Nxx, Nyy, Nxy): klf, bending moment (Mxx, Myy, Mxy): k-ft/ft

Ultimate combination: ul

Elem	Nxx	Nyy	Nxy	Mxx	Myy	Mxy
1	-2.2800E+001	-1.1400E+002	2.9390E-012	-1.1226E+000	-5.6132E+000	-8.9344E-001
2	-2.2800E+001	-1.1400E+002	-3.8781E-013	-1.1226E+000	-5.6132E+000	-4.1665E-001
3	-2.2800E+001	-1.1400E+002	1.0748E-012	-1.1226E+000	-5.6132E+000	-9.0456E-001
4	-2.2800E+001	-1.1400E+002	8.0239E-013	-1.1226E+000	-5.6132E+000	-1.2576E-001
5	-2.2800E+001	-1.1400E+002	-8.3937E-013	-1.1226E+000	-5.6132E+000	2.0323E-001
6	-2.2800E+001	-1.1400E+002	-1.1081E-012	-1.1226E+000	-5.6132E+000	9.7163E-001
7	-2.2800E+001	-1.1400E+002	3.7667E-013	-1.1226E+000	-5.6132E+000	4.2124E-001
8	-2.2800E+001	-1.1400E+002	-2.9623E-012	-1.1226E+000	-5.6132E+000	8.9509E-001
9	-2.2800E+001	-1.1400E+002	-4.4545E-011	-7.2954E-001	-3.6477E+000	3.1460E-001
10	-2.2800E+001	-1.1400E+002	9.2443E-012	-7.2954E-001	-3.6477E+000	7.4778E-001
11	-2.2800E+001	-1.1400E+002	4.7493E-012	-7.2954E-001	-3.6477E+000	-4.0882E-001
12	-2.2800E+001	-1.1400E+002	1.4054E-012	-7.2954E-001	-3.6477E+000	-9.1506E-001
13	-2.2800E+001	-1.1400E+002	-1.4527E-012	-7.2954E-001	-3.6477E+000	2.6192E-001
14	-2.2800E+001	-1.1400E+002	-4.8305E-012	-7.2954E-001	-3.6477E+000	5.5921E-001
15	-2.2800E+001	-1.1400E+002	-9.2773E-012	-7.2954E-001	-3.6477E+000	-6.3747E-001
16	-2.2800E+001	-1.1400E+002	4.4495E-011	-7.2954E-001	-3.6477E+000	-3.1080E-001
17	-2.2800E+001	-1.1400E+002	-1.4818E-011	-3.3060E-001	-1.6530E+000	4.3720E-001
18	-2.2800E+001	-1.1400E+002	-1.3138E-011	-3.3060E-001	-1.6530E+000	2.4584E-001
19	-2.2800E+001	-1.1400E+002	2.2923E-013	-3.3060E-001	-1.6530E+000	9.4806E-001
20	-2.2800E+001	-1.1400E+002	5.3991E-013	-3.3060E-001	-1.6530E+000	2.9276E-001
21	-2.2800E+001	-1.1400E+002	-5.9789E-013	-3.3060E-001	-1.6530E+000	-9.2143E-001
22	-2.2800E+001	-1.1400E+002	-3.6774E-013	-3.3060E-001	-1.6530E+000	-7.5818E-001
23	-2.2800E+001	-1.1400E+002	1.3061E-011	-3.3060E-001	-1.6530E+000	-2.3261E-001
24	-2.2800E+001	-1.1400E+002	1.4743E-011	-3.3060E-001	-1.6530E+000	-4.3242E-001
25	-2.2800E+001	-1.1400E+002	-4.4610E-012	7.1002E-002	3.5501E-001	4.4623E-001
26	-2.2800E+001	-1.1400E+002	-8.0114E-012	7.1002E-002	3.5501E-001	2.8343E-001
27	-2.2800E+001	-1.1400E+002	-4.3545E-012	7.1002E-002	3.5501E-001	1.4947E-001
28	-2.2800E+001	-1.1400E+002	-6.8326E-013	7.1002E-002	3.5501E-001	4.8508E-001
29	-2.2800E+001	-1.1400E+002	6.0814E-013	7.1002E-002	3.5501E-001	-3.1515E-001
30	-2.2800E+001	-1.1400E+002	4.2088E-012	7.1002E-002	3.5501E-001	-1.3269E-001
31	-2.2800E+001	-1.1400E+002	7.9130E-012	7.1002E-002	3.5501E-001	-2.7193E-001
32	-2.2800E+001	-1.1400E+002	4.3841E-012	7.1002E-002	3.5501E-001	-4.4211E-001
33	-2.2800E+001	-1.1400E+002	-1.5581E-012	4.7203E-001	2.3601E+000	4.4045E-001
34	-2.2800E+001	-1.1400E+002	-3.1722E-012	4.7203E-001	2.3601E+000	2.7379E-001
35	-2.2800E+001	-1.1400E+002	-2.5395E-012	4.7203E-001	2.3601E+000	1.4440E-001
36	-2.2800E+001	-1.1400E+002	-8.6144E-013	4.7203E-001	2.3601E+000	4.8069E-001
37	-2.2800E+001	-1.1400E+002	7.4242E-013	4.7203E-001	2.3601E+000	-3.6594E-001
38	-2.2800E+001	-1.1400E+002	2.3778E-012	4.7203E-001	2.3601E+000	-1.3509E-001
39	-2.2800E+001	-1.1400E+002	3.0240E-012	4.7203E-001	2.3601E+000	-2.6941E-001

40	-2.2800E+001	-1.1400E+002	1.4747E-012	4.7203E-001	2.3601E+000	-4.3638E-01
41	-2.2800E+001	-1.1400E+002	4.6050E-013	8.6927E-001	4.3464E+000	4.1609E-01
42	-2.2800E+001	-1.1400E+002	5.3972E-013	8.6927E-001	4.3464E+000	2.3291E-01
43	-2.2800E+001	-1.1400E+002	8.7690E-014	8.6927E-001	4.3464E+000	1.0682E-01
44	-2.2800E+001	-1.1400E+002	-1.6138E-013	8.6927E-001	4.3464E+000	2.9069E-01
45	-2.2800E+001	-1.1400E+002	-2.4980E-016	8.6927E-001	4.3464E+000	-3.0498E-01
46	-2.2800E+001	-1.1400E+002	-2.0316E-013	8.6927E-001	4.3464E+000	-1.0593E-01
47	-2.2800E+001	-1.1400E+002	-7.4450E-013	8.6927E-001	4.3464E+000	-2.2691E-01
48	-2.2800E+001	-1.1400E+002	-5.0307E-013	8.6927E-001	4.3464E+000	-4.1457E-01
49	-2.2800E+001	-1.1400E+002	2.7623E-012	1.2595E+000	6.2977E+000	3.5909E-01
50	-2.2800E+001	-1.1400E+002	4.3429E-012	1.2595E+000	6.2977E+000	1.3129E-01
51	-2.2800E+001	-1.1400E+002	1.2602E-012	1.2595E+000	6.2977E+000	3.0787E-01
52	-2.2800E+001	-1.1400E+002	-5.9792E-013	1.2595E+000	6.2977E+000	9.2552E-01
53	-2.2800E+001	-1.1400E+002	3.5618E-013	1.2595E+000	6.2977E+000	-7.4282E-01
54	-2.2800E+001	-1.1400E+002	-1.4702E-012	1.2595E+000	6.2977E+000	-3.8745E-01
55	-2.2800E+001	-1.1400E+002	-4.4696E-012	1.2595E+000	6.2977E+000	-1.3807E-01
56	-2.2800E+001	-1.1400E+002	-2.9021E-012	1.2595E+000	6.2977E+000	-3.6262E-01
57	-2.2800E+001	-1.1400E+002	1.1285E-011	1.6397E+000	8.1985E+000	2.2792E-01
58	-2.2800E+001	-1.1400E+002	6.6930E-012	1.6397E+000	8.1985E+000	-5.7352E-01
59	-2.2800E+001	-1.1400E+002	-4.1466E-012	1.6397E+000	8.1985E+000	-7.0915E-01
60	-2.2800E+001	-1.1400E+002	-1.4761E-012	1.6397E+000	8.1985E+000	-2.9171E-01
61	-2.2800E+001	-1.1400E+002	1.3104E-012	1.6397E+000	8.1985E+000	1.5431E-01
62	-2.2800E+001	-1.1400E+002	3.8547E-012	1.6397E+000	8.1985E+000	5.7113E-01
63	-2.2800E+001	-1.1400E+002	-6.7838E-012	1.6397E+000	8.1985E+000	4.3401E-01
64	-2.2800E+001	-1.1400E+002	-1.1462E-011	1.6397E+000	8.1985E+000	-2.3161E-01
65	-2.2800E+001	-1.1400E+002	3.2614E-011	2.0067E+000	1.0034E+001	-1.6100E-01
66	-2.2800E+001	-1.1400E+002	-2.0648E-011	2.0067E+000	1.0034E+001	-3.2479E-01
67	-2.2800E+001	-1.1400E+002	-6.4800E-012	2.0067E+000	1.0034E+001	-1.5670E-01
68	-2.2800E+001	-1.1400E+002	-1.7274E-012	2.0067E+000	1.0034E+001	-4.8577E-01
69	-2.2800E+001	-1.1400E+002	1.5144E-012	2.0067E+000	1.0034E+001	2.6492E-01
70	-2.2800E+001	-1.1400E+002	6.1204E-012	2.0067E+000	1.0034E+001	1.3889E-01
71	-2.2800E+001	-1.1400E+002	2.0558E-011	2.0067E+000	1.0034E+001	3.1303E-01
72	-2.2800E+001	-1.1400E+002	-3.2792E-011	2.0067E+000	1.0034E+001	1.5662E-01
73	-2.2800E+001	-1.1400E+002	-5.1751E-011	2.3576E+000	1.1788E+001	-1.5668E-01
74	-2.2800E+001	-1.1400E+002	-1.5173E-012	2.3576E+000	1.1788E+001	-4.4017E-01
75	-2.2800E+001	-1.1400E+002	-1.1559E-012	2.3576E+000	1.1788E+001	-1.6258E-01
76	-2.2800E+001	-1.1400E+002	-6.3747E-013	2.3576E+000	1.1788E+001	-5.3762E-01
77	-2.2800E+001	-1.1400E+002	3.7545E-013	2.3576E+000	1.1788E+001	2.8789E-01
78	-2.2800E+001	-1.1400E+002	7.3021E-013	2.3576E+000	1.1788E+001	1.4254E-01
79	-2.2800E+001	-1.1400E+002	1.5402E-012	2.3576E+000	1.1788E+001	4.2738E-01
80	-2.2800E+001	-1.1400E+002	5.1524E-011	2.3576E+000	1.1788E+001	1.5631E-01

ULTIMATE COMBINATIONS: REACTIONS

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Force (Fx, Fy, Fz): kips, Moment (Mx, My, Mz): k-ft

Ultimate combination: ul

Node	Fx	Fy	Fz	Mx	My	Mz
1	1.1400E+001	5.7000E+001	9.6086E-001	3.2911E+000	-6.9986E-001	7.6000E+000
2	-2.3694E-010	1.1400E+002	1.9217E+000	6.5822E+000	2.2606E-012	8.8275E-001
3	-1.7768E-012	1.1400E+002	1.9217E+000	6.5822E+000	-2.6933E-013	-3.6980E-001
4	1.4125E-013	1.1400E+002	1.9217E+000	6.5822E+000	4.2658E-013	-3.2103E-001
5	-8.2661E-015	1.1400E+002	1.9217E+000	6.5822E+000	-1.4890E-014	2.8283E-001
6	-1.5004E-013	1.1400E+002	1.9217E+000	6.5822E+000	-4.5575E-013	3.7312E-001
7	1.7722E-012	1.1400E+002	1.9217E+000	6.5822E+000	2.4549E-013	4.2784E-001
8	2.3694E-010	1.1400E+002	1.9217E+000	6.5822E+000	-2.2762E-012	-8.8218E-001
9	-1.1400E+001	5.7000E+001	9.6086E-001	3.2911E+000	6.9986E-001	-7.6000E+000
10	2.2800E+001	-1.3948E-014	-1.4448E-015	-3.9295E-015	-9.2567E-001	-2.0267E-001
18	-2.2800E+001	1.3049E-014	4.6224E-015	1.0044E-014	9.2567E-001	2.0273E-001
19	2.2800E+001	3.7318E-014	-3.4536E-014	-2.9243E-015	-5.2983E-001	4.2914E-001
27	-2.2800E+001	3.4764E-015	-1.0123E-013	7.4715E-015	5.2983E-001	-4.2760E-001
28	2.2800E+001	-7.4426E-015	-2.4482E-014	-2.0314E-014	-1.2974E-001	1.6379E-001
36	-2.2800E+001	-8.7361E-015	7.1511E-014	1.0536E-014	1.2974E-001	-1.6169E-001
37	2.2800E+001	-5.9676E-014	4.7139E-014	1.0599E-014	2.7139E-001	4.6525E-001
45	-2.2800E+001	5.7704E-014	5.0516E-014	5.6834E-014	-2.7139E-001	-4.7220E-001

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46  2.2800E+001  6.3884E-015  2.2182E-013 -3.3270E-014  6.7035E-001  7.0660E-0
54 -2.2800E+001 -4.9197E-014  2.7469E-013  2.0573E-014 -6.7035E-001 -4.1099E-0
55  2.2800E+001  1.3849E-013 -2.4336E-013  9.3656E-015  1.0639E+000 -2.4212E-0
63 -2.2800E+001 -2.7742E-014  2.6763E-013  5.1334E-014 -1.0639E+000  2.8347E-0
64  2.2800E+001  2.1471E-014 -7.0259E-014 -3.0055E-014  1.4490E+000 -1.2412E-0
72 -2.2800E+001  2.0345E-013 -9.2852E-014  3.5886E-014 -1.4490E+000  1.2161E-0
73  2.2800E+001  8.5900E-014  5.0547E-014  1.7509E-014  1.8224E+000 -2.8891E-0
81 -2.2800E+001  3.9413E-014  1.0642E-013  9.0992E-015 -1.8224E+000  2.9056E-0
82  2.2800E+001 -1.8865E-013 -1.1102E-013  1.5759E-014  2.1812E+000  2.5532E-0
90 -2.2800E+001  2.9862E-014 -3.8212E-014 -1.2322E-014 -2.1812E+000 -2.5561E-0
91  1.1400E+001 -5.4547E-014 -9.6086E-001 -9.7619E-015  1.3200E+000 -7.6000E+0
92 -2.1498E-010  1.3359E-013 -1.9217E+000  3.7866E-014 -1.0905E-011 -7.4221E-0
93 -2.8344E-013 -2.8689E-014 -1.9217E+000  1.0401E-014 -7.6004E-013 -3.6964E-0
94 -7.9943E-014  7.6182E-014 -1.9217E+000  5.2019E-015 -1.1271E-013 -5.6246E-0
95 -6.2315E-014  2.5610E-013 -1.9217E+000  1.1354E-014  6.9337E-015 -2.6070E-0
96  1.0111E-013  9.2672E-014 -1.9217E+000 -7.2465E-015  1.0824E-013  1.1826E-0
97  1.9463E-013  4.0134E-013 -1.9217E+000 -3.2046E-015  7.4882E-013  3.2110E-0
98  2.1484E-010 -3.7527E-014 -1.9217E+000 -4.6365E-014  1.0907E-011  7.3724E-0
99 -1.1400E+001  1.2826E-013 -9.6086E-001 -1.1853E-014 -1.3200E+000  7.6000E+0
    
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ENVELOPE: NODAL DISPLACEMENTS

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Displacement (Dx, Dy, Dz): (in)

Node	Dx (+/-)	Ld_combo	Dy (+/-)	Ld_combo	Dz (+/-)	Ld_combo
1	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.01E-015	s1	-5.07E-015	s1	-6.96E-017	s1
2	2.11E-026	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.01E-014	s1	-1.39E-016	s1
3	1.60E-028	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.01E-014	s1	-1.39E-016	s1
4	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-9.97E-030	s1	-1.01E-014	s1	-1.39E-016	s1
5	2.50E-030	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.01E-014	s1	-1.39E-016	s1
6	1.43E-029	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.01E-014	s1	-1.39E-016	s1
7	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.55E-028	s1	-1.01E-014	s1	-1.39E-016	s1
8	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-2.11E-026	s1	-1.01E-014	s1	-1.39E-016	s1
9	1.01E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-5.07E-015	s1	-6.96E-017	s1
10	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-2.03E-015	s1	-2.66E-003	s1	-1.85E-003	s1
11	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-5.18E-018	s1	-2.66E-003	s1	-1.85E-003	s1
12	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.67E-016	s1	-2.66E-003	s1	-1.85E-003	s1
13	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.17E-016	s1	-2.66E-003	s1	-1.85E-003	s1
14	1.02E-018	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.66E-003	s1	-1.85E-003	s1
15	1.20E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.66E-003	s1	-1.85E-003	s1
16	1.69E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.66E-003	s1	-1.85E-003	s1
17	5.89E-018	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.66E-003	s1	-1.85E-003	s1
18	2.03E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.66E-003	s1	-1.85E-003	s1
19	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-2.03E-015	s1	-5.32E-003	s1	-6.58E-003	s1
20	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.84E-015	s1	-5.32E-003	s1	-6.58E-003	s1

21	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-8.35E-016	s1	-5.32E-003	s1	-6.58E-003	s1
22	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-3.67E-016	s1	-5.32E-003	s1	-6.58E-003	s1
23	2.84E-018	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-5.32E-003	s1	-6.58E-003	s1
24	3.72E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-5.32E-003	s1	-6.58E-003	s1
25	8.40E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-5.32E-003	s1	-6.58E-003	s1
26	1.84E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-5.32E-003	s1	-6.58E-003	s1
27	2.03E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-5.32E-003	s1	-6.58E-003	s1
28	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-2.03E-015	s1	-7.98E-003	s1	-1.30E-002	s1
29	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.74E-015	s1	-7.98E-003	s1	-1.30E-002	s1
30	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.23E-015	s1	-7.98E-003	s1	-1.30E-002	s1
31	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-5.68E-016	s1	-7.98E-003	s1	-1.30E-002	s1
32	4.01E-018	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-7.98E-003	s1	-1.30E-002	s1
33	5.76E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-7.98E-003	s1	-1.30E-002	s1
34	1.23E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-7.98E-003	s1	-1.30E-002	s1
35	1.74E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-7.98E-003	s1	-1.30E-002	s1
36	2.03E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-7.98E-003	s1	-1.30E-002	s1
37	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-2.03E-015	s1	-1.06E-002	s1	-1.98E-002	s1
38	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.69E-015	s1	-1.06E-002	s1	-1.98E-002	s1
39	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.22E-015	s1	-1.06E-002	s1	-1.98E-002	s1
40	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-6.36E-016	s1	-1.06E-002	s1	-1.98E-002	s1
41	5.62E-018	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.06E-002	s1	-1.98E-002	s1
42	6.47E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.06E-002	s1	-1.98E-002	s1
43	1.23E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.06E-002	s1	-1.98E-002	s1
44	1.69E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.06E-002	s1	-1.98E-002	s1
45	2.03E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.06E-002	s1	-1.98E-002	s1
46	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-2.03E-015	s1	-1.33E-002	s1	-2.57E-002	s1
47	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.66E-015	s1	-1.33E-002	s1	-2.57E-002	s1
48	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.20E-015	s1	-1.33E-002	s1	-2.57E-002	s1
49	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-6.26E-016	s1	-1.33E-002	s1	-2.57E-002	s1
50	6.49E-018	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.33E-002	s1	-2.57E-002	s1
51	6.39E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.33E-002	s1	-2.57E-002	s1
52	1.21E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.33E-002	s1	-2.57E-002	s1
53	1.66E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.33E-002	s1	-2.57E-002	s1
54	2.03E-015	s1	0.00E+000	s1	0.00E+000	s1

	0.00E+000	s1	-1.33E-002	s1	-2.57E-002	s1
55	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-2.03E-015	s1	-1.60E-002	s1	-2.96E-002	s1
56	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.65E-015	s1	-1.60E-002	s1	-2.96E-002	s1
57	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.17E-015	s1	-1.60E-002	s1	-2.96E-002	s1
58	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-6.02E-016	s1	-1.60E-002	s1	-2.96E-002	s1
59	8.15E-018	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.60E-002	s1	-2.96E-002	s1
60	6.18E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.60E-002	s1	-2.96E-002	s1
61	1.19E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.60E-002	s1	-2.96E-002	s1
62	1.66E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.60E-002	s1	-2.96E-002	s1
63	2.03E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.60E-002	s1	-2.96E-002	s1
64	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-2.03E-015	s1	-1.86E-002	s1	-3.01E-002	s1
65	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.65E-015	s1	-1.86E-002	s1	-3.01E-002	s1
66	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.12E-015	s1	-1.86E-002	s1	-3.01E-002	s1
67	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-5.00E-016	s1	-1.86E-002	s1	-3.01E-002	s1
68	9.03E-018	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.86E-002	s1	-3.01E-002	s1
69	5.18E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.86E-002	s1	-3.01E-002	s1
70	1.13E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.86E-002	s1	-3.01E-002	s1
71	1.66E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.86E-002	s1	-3.01E-002	s1
72	2.03E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-1.86E-002	s1	-3.01E-002	s1
73	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-2.03E-015	s1	-2.13E-002	s1	-2.62E-002	s1
74	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-1.67E-015	s1	-2.13E-002	s1	-2.62E-002	s1
75	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-6.59E-016	s1	-2.13E-002	s1	-2.62E-002	s1
76	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-3.01E-016	s1	-2.13E-002	s1	-2.62E-002	s1
77	7.54E-018	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.13E-002	s1	-2.62E-002	s1
78	3.14E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.13E-002	s1	-2.62E-002	s1
79	6.70E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.13E-002	s1	-2.62E-002	s1
80	1.67E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.13E-002	s1	-2.62E-002	s1
81	2.03E-015	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.13E-002	s1	-2.62E-002	s1
82	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-2.03E-015	s1	-2.39E-002	s1	-1.65E-002	s1
83	3.98E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.39E-002	s1	-1.65E-002	s1
84	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-7.43E-017	s1	-2.39E-002	s1	-1.65E-002	s1
85	0.00E+000	s1	0.00E+000	s1	0.00E+000	s1
	-9.24E-017	s1	-2.39E-002	s1	-1.65E-002	s1
86	4.53E-018	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.39E-002	s1	-1.65E-002	s1
87	1.01E-016	s1	0.00E+000	s1	0.00E+000	s1
	0.00E+000	s1	-2.39E-002	s1	-1.65E-002	s1

88	8.06E-017 s1	0.00E+000 s1	0.00E+000 s1
	0.00E+000 s1	-2.39E-002 s1	-1.65E-002 s1
89	0.00E+000 s1	0.00E+000 s1	0.00E+000 s1
	-3.95E-016 s1	-2.39E-002 s1	-1.65E-002 s1
90	2.03E-015 s1	0.00E+000 s1	0.00E+000 s1
	0.00E+000 s1	-2.39E-002 s1	-1.65E-002 s1
91	0.00E+000 s1	0.00E+000 s1	6.96E-017 s1
	-1.01E-015 s1	-2.66E-002 s1	0.00E+000 s1
92	1.91E-026 s1	0.00E+000 s1	1.39E-016 s1
	0.00E+000 s1	-2.66E-002 s1	0.00E+000 s1
93	2.13E-029 s1	0.00E+000 s1	1.39E-016 s1
	0.00E+000 s1	-2.66E-002 s1	0.00E+000 s1
94	3.55E-030 s1	0.00E+000 s1	1.39E-016 s1
	0.00E+000 s1	-2.66E-002 s1	0.00E+000 s1
95	0.00E+000 s1	0.00E+000 s1	1.39E-016 s1
	-1.59E-030 s1	-2.66E-002 s1	0.00E+000 s1
96	0.00E+000 s1	0.00E+000 s1	1.39E-016 s1
	-6.42E-030 s1	-2.66E-002 s1	0.00E+000 s1
97	0.00E+000 s1	0.00E+000 s1	1.39E-016 s1
	-1.36E-029 s1	-2.66E-002 s1	0.00E+000 s1
98	0.00E+000 s1	0.00E+000 s1	1.39E-016 s1
	-1.91E-026 s1	-2.66E-002 s1	0.00E+000 s1
99	1.01E-015 s1	0.00E+000 s1	6.96E-017 s1
	0.00E+000 s1	-2.66E-002 s1	0.00E+000 s1

ENVELOPE: PLATE FLEXURE REINFORCEMENT

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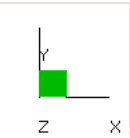
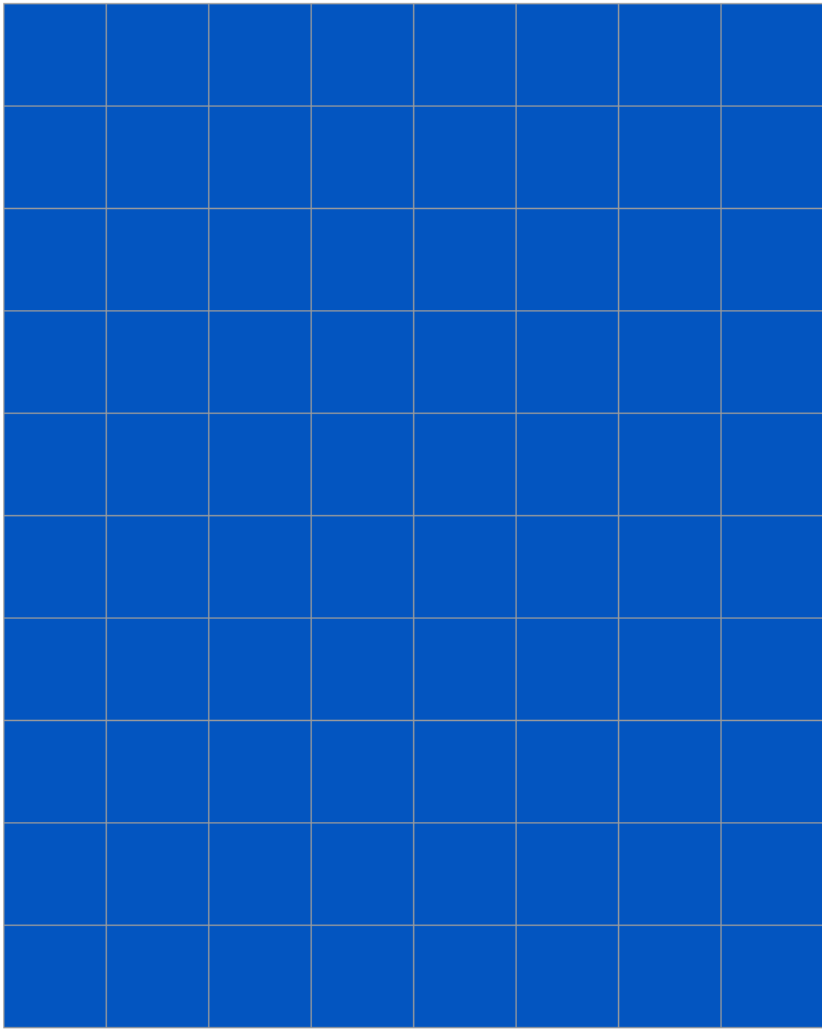
Total required area of steel (As): in²/ft
 Bending moment (Mu): k-ft/ft, axial force (Nu): klf

Elem	Curtains	As (x/y)	ro(%)	Ld_combo	Mu (x/y)	Nu (x/y)	Tie
----	-----	-----	-----	-----	-----	-----	----
1	1	1.92E-001	0.20	u1	-1.1226E+000	-2.2800E+001	
		1.15E-001	0.12	u1	-5.6132E+000	-1.1400E+002	
2	1	1.92E-001	0.20	u1	-1.1226E+000	-2.2800E+001	
		1.15E-001	0.12	u1	-5.6132E+000	-1.1400E+002	
3	1	1.92E-001	0.20	u1	-1.1226E+000	-2.2800E+001	
		1.15E-001	0.12	u1	-5.6132E+000	-1.1400E+002	
4	1	1.92E-001	0.20	u1	-1.1226E+000	-2.2800E+001	
		1.15E-001	0.12	u1	-5.6132E+000	-1.1400E+002	
5	1	1.92E-001	0.20	u1	-1.1226E+000	-2.2800E+001	
		1.15E-001	0.12	u1	-5.6132E+000	-1.1400E+002	
6	1	1.92E-001	0.20	u1	-1.1226E+000	-2.2800E+001	
		1.15E-001	0.12	u1	-5.6132E+000	-1.1400E+002	
7	1	1.92E-001	0.20	u1	-1.1226E+000	-2.2800E+001	
		1.15E-001	0.12	u1	-5.6132E+000	-1.1400E+002	
8	1	1.92E-001	0.20	u1	-1.1226E+000	-2.2800E+001	
		1.15E-001	0.12	u1	-5.6132E+000	-1.1400E+002	
9	1	1.92E-001	0.20	u1	-7.2954E-001	-2.2800E+001	
		1.15E-001	0.12	u1	-3.6477E+000	-1.1400E+002	
10	1	1.92E-001	0.20	u1	-7.2954E-001	-2.2800E+001	
		1.15E-001	0.12	u1	-3.6477E+000	-1.1400E+002	
11	1	1.92E-001	0.20	u1	-7.2954E-001	-2.2800E+001	
		1.15E-001	0.12	u1	-3.6477E+000	-1.1400E+002	
12	1	1.92E-001	0.20	u1	-7.2954E-001	-2.2800E+001	
		1.15E-001	0.12	u1	-3.6477E+000	-1.1400E+002	
13	1	1.92E-001	0.20	u1	-7.2954E-001	-2.2800E+001	
		1.15E-001	0.12	u1	-3.6477E+000	-1.1400E+002	
14	1	1.92E-001	0.20	u1	-7.2954E-001	-2.2800E+001	
		1.15E-001	0.12	u1	-3.6477E+000	-1.1400E+002	
15	1	1.92E-001	0.20	u1	-7.2954E-001	-2.2800E+001	
		1.15E-001	0.12	u1	-3.6477E+000	-1.1400E+002	
16	1	1.92E-001	0.20	u1	-7.2954E-001	-2.2800E+001	
		1.15E-001	0.12	u1	-3.6477E+000	-1.1400E+002	
17	1	1.92E-001	0.20	u1	-3.3060E-001	-2.2800E+001	
		1.15E-001	0.12	u1	-1.6530E+000	-1.1400E+002	

18	1	1.92E-001	0.20	u1	-3.3060E-001	-2.2800E+001
		1.15E-001	0.12	u1	-1.6530E+000	-1.1400E+002
19	1	1.92E-001	0.20	u1	-3.3060E-001	-2.2800E+001
		1.15E-001	0.12	u1	-1.6530E+000	-1.1400E+002
20	1	1.92E-001	0.20	u1	-3.3060E-001	-2.2800E+001
		1.15E-001	0.12	u1	-1.6530E+000	-1.1400E+002
21	1	1.92E-001	0.20	u1	-3.3060E-001	-2.2800E+001
		1.15E-001	0.12	u1	-1.6530E+000	-1.1400E+002
22	1	1.92E-001	0.20	u1	-3.3060E-001	-2.2800E+001
		1.15E-001	0.12	u1	-1.6530E+000	-1.1400E+002
23	1	1.92E-001	0.20	u1	-3.3060E-001	-2.2800E+001
		1.15E-001	0.12	u1	-1.6530E+000	-1.1400E+002
24	1	1.92E-001	0.20	u1	-3.3060E-001	-2.2800E+001
		1.15E-001	0.12	u1	-1.6530E+000	-1.1400E+002
25	1	1.92E-001	0.20	u1	7.1002E-002	-2.2800E+001
		1.15E-001	0.12	u1	3.5501E-001	-1.1400E+002
26	1	1.92E-001	0.20	u1	7.1002E-002	-2.2800E+001
		1.15E-001	0.12	u1	3.5501E-001	-1.1400E+002
27	1	1.92E-001	0.20	u1	7.1002E-002	-2.2800E+001
		1.15E-001	0.12	u1	3.5501E-001	-1.1400E+002
28	1	1.92E-001	0.20	u1	7.1002E-002	-2.2800E+001
		1.15E-001	0.12	u1	3.5501E-001	-1.1400E+002
29	1	1.92E-001	0.20	u1	7.1002E-002	-2.2800E+001
		1.15E-001	0.12	u1	3.5501E-001	-1.1400E+002
30	1	1.92E-001	0.20	u1	7.1002E-002	-2.2800E+001
		1.15E-001	0.12	u1	3.5501E-001	-1.1400E+002
31	1	1.92E-001	0.20	u1	7.1002E-002	-2.2800E+001
		1.15E-001	0.12	u1	3.5501E-001	-1.1400E+002
32	1	1.92E-001	0.20	u1	7.1002E-002	-2.2800E+001
		1.15E-001	0.12	u1	3.5501E-001	-1.1400E+002
33	1	1.92E-001	0.20	u1	4.7203E-001	-2.2800E+001
		1.15E-001	0.12	u1	2.3601E+000	-1.1400E+002
34	1	1.92E-001	0.20	u1	4.7203E-001	-2.2800E+001
		1.15E-001	0.12	u1	2.3601E+000	-1.1400E+002
35	1	1.92E-001	0.20	u1	4.7203E-001	-2.2800E+001
		1.15E-001	0.12	u1	2.3601E+000	-1.1400E+002
36	1	1.92E-001	0.20	u1	4.7203E-001	-2.2800E+001
		1.15E-001	0.12	u1	2.3601E+000	-1.1400E+002
37	1	1.92E-001	0.20	u1	4.7203E-001	-2.2800E+001
		1.15E-001	0.12	u1	2.3601E+000	-1.1400E+002
38	1	1.92E-001	0.20	u1	4.7203E-001	-2.2800E+001
		1.15E-001	0.12	u1	2.3601E+000	-1.1400E+002
39	1	1.92E-001	0.20	u1	4.7203E-001	-2.2800E+001
		1.15E-001	0.12	u1	2.3601E+000	-1.1400E+002
40	1	1.92E-001	0.20	u1	4.7203E-001	-2.2800E+001
		1.15E-001	0.12	u1	2.3601E+000	-1.1400E+002
41	1	1.92E-001	0.20	u1	8.6927E-001	-2.2800E+001
		1.15E-001	0.12	u1	4.3464E+000	-1.1400E+002
42	1	1.92E-001	0.20	u1	8.6927E-001	-2.2800E+001
		1.15E-001	0.12	u1	4.3464E+000	-1.1400E+002
43	1	1.92E-001	0.20	u1	8.6927E-001	-2.2800E+001
		1.15E-001	0.12	u1	4.3464E+000	-1.1400E+002
44	1	1.92E-001	0.20	u1	8.6927E-001	-2.2800E+001
		1.15E-001	0.12	u1	4.3464E+000	-1.1400E+002
45	1	1.92E-001	0.20	u1	8.6927E-001	-2.2800E+001
		1.15E-001	0.12	u1	4.3464E+000	-1.1400E+002
46	1	1.92E-001	0.20	u1	8.6927E-001	-2.2800E+001
		1.15E-001	0.12	u1	4.3464E+000	-1.1400E+002
47	1	1.92E-001	0.20	u1	8.6927E-001	-2.2800E+001
		1.15E-001	0.12	u1	4.3464E+000	-1.1400E+002
48	1	1.92E-001	0.20	u1	8.6927E-001	-2.2800E+001
		1.15E-001	0.12	u1	4.3464E+000	-1.1400E+002
49	1	1.92E-001	0.20	u1	1.2595E+000	-2.2800E+001
		1.15E-001	0.12	u1	6.2977E+000	-1.1400E+002
50	1	1.92E-001	0.20	u1	1.2595E+000	-2.2800E+001
		1.15E-001	0.12	u1	6.2977E+000	-1.1400E+002
51	1	1.92E-001	0.20	u1	1.2595E+000	-2.2800E+001

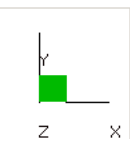
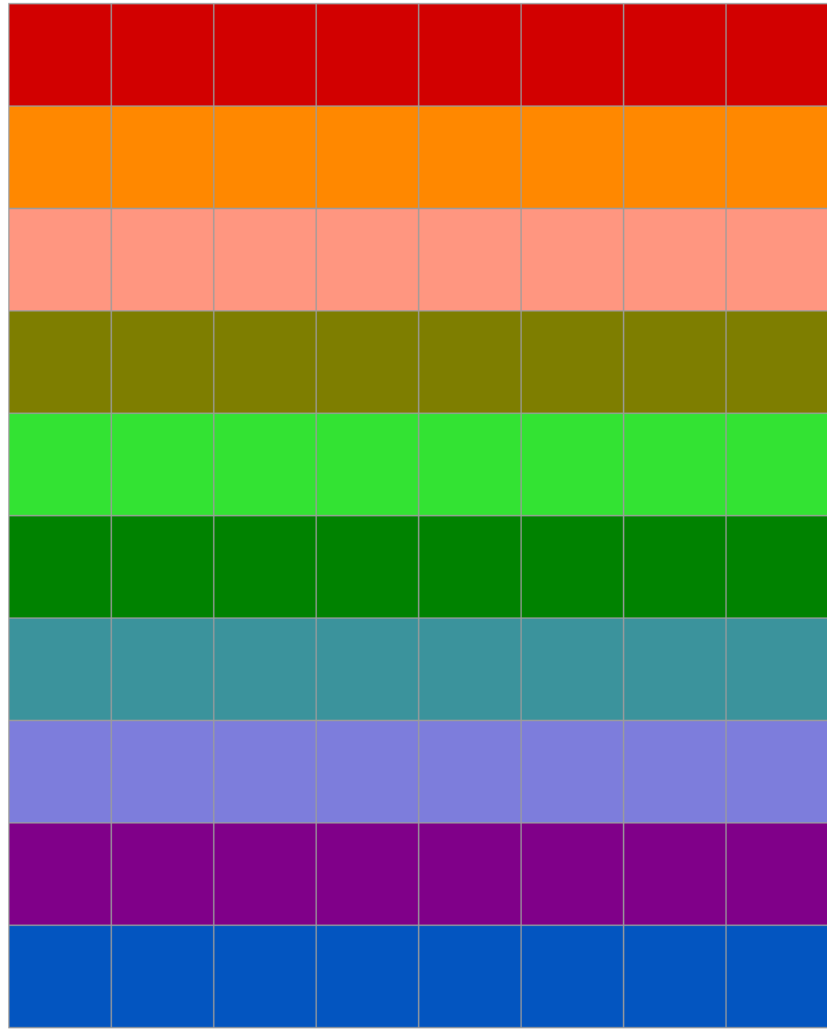
		1.15E-001	0.12	u1	6.2977E+000	-1.1400E+002
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		1.15E-001	0.12	u1	6.2977E+000	-1.1400E+002
53	1	1.92E-001	0.20	u1	1.2595E+000	-2.2800E+001
		1.15E-001	0.12	u1	6.2977E+000	-1.1400E+002
54	1	1.92E-001	0.20	u1	1.2595E+000	-2.2800E+001
		1.15E-001	0.12	u1	6.2977E+000	-1.1400E+002
55	1	1.92E-001	0.20	u1	1.2595E+000	-2.2800E+001
		1.15E-001	0.12	u1	6.2977E+000	-1.1400E+002
56	1	1.92E-001	0.20	u1	1.2595E+000	-2.2800E+001
		1.15E-001	0.12	u1	6.2977E+000	-1.1400E+002
57	1	1.92E-001	0.20	u1	1.6397E+000	-2.2800E+001
		1.15E-001	0.12	u1	8.1985E+000	-1.1400E+002
58	1	1.92E-001	0.20	u1	1.6397E+000	-2.2800E+001
		1.15E-001	0.12	u1	8.1985E+000	-1.1400E+002
59	1	1.92E-001	0.20	u1	1.6397E+000	-2.2800E+001
		1.15E-001	0.12	u1	8.1985E+000	-1.1400E+002
60	1	1.92E-001	0.20	u1	1.6397E+000	-2.2800E+001
		1.15E-001	0.12	u1	8.1985E+000	-1.1400E+002
61	1	1.92E-001	0.20	u1	1.6397E+000	-2.2800E+001
		1.15E-001	0.12	u1	8.1985E+000	-1.1400E+002
62	1	1.92E-001	0.20	u1	1.6397E+000	-2.2800E+001
		1.15E-001	0.12	u1	8.1985E+000	-1.1400E+002
63	1	1.92E-001	0.20	u1	1.6397E+000	-2.2800E+001
		1.15E-001	0.12	u1	8.1985E+000	-1.1400E+002
64	1	1.92E-001	0.20	u1	1.6397E+000	-2.2800E+001
		1.15E-001	0.12	u1	8.1985E+000	-1.1400E+002
65	1	1.92E-001	0.20	u1	2.0067E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.0034E+001	-1.1400E+002
66	1	1.92E-001	0.20	u1	2.0067E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.0034E+001	-1.1400E+002
67	1	1.92E-001	0.20	u1	2.0067E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.0034E+001	-1.1400E+002
68	1	1.92E-001	0.20	u1	2.0067E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.0034E+001	-1.1400E+002
69	1	1.92E-001	0.20	u1	2.0067E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.0034E+001	-1.1400E+002
70	1	1.92E-001	0.20	u1	2.0067E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.0034E+001	-1.1400E+002
71	1	1.92E-001	0.20	u1	2.0067E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.0034E+001	-1.1400E+002
72	1	1.92E-001	0.20	u1	2.0067E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.0034E+001	-1.1400E+002
73	1	1.92E-001	0.20	u1	2.3576E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.1788E+001	-1.1400E+002
74	1	1.92E-001	0.20	u1	2.3576E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.1788E+001	-1.1400E+002
75	1	1.92E-001	0.20	u1	2.3576E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.1788E+001	-1.1400E+002
76	1	1.92E-001	0.20	u1	2.3576E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.1788E+001	-1.1400E+002
77	1	1.92E-001	0.20	u1	2.3576E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.1788E+001	-1.1400E+002
78	1	1.92E-001	0.20	u1	2.3576E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.1788E+001	-1.1400E+002
79	1	1.92E-001	0.20	u1	2.3576E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.1788E+001	-1.1400E+002
80	1	1.92E-001	0.20	u1	2.3576E+000	-2.2800E+001
		1.15E-001	0.12	u1	1.1788E+001	-1.1400E+002

Nonslender Bearing Wall - Second Order Analysis



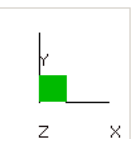
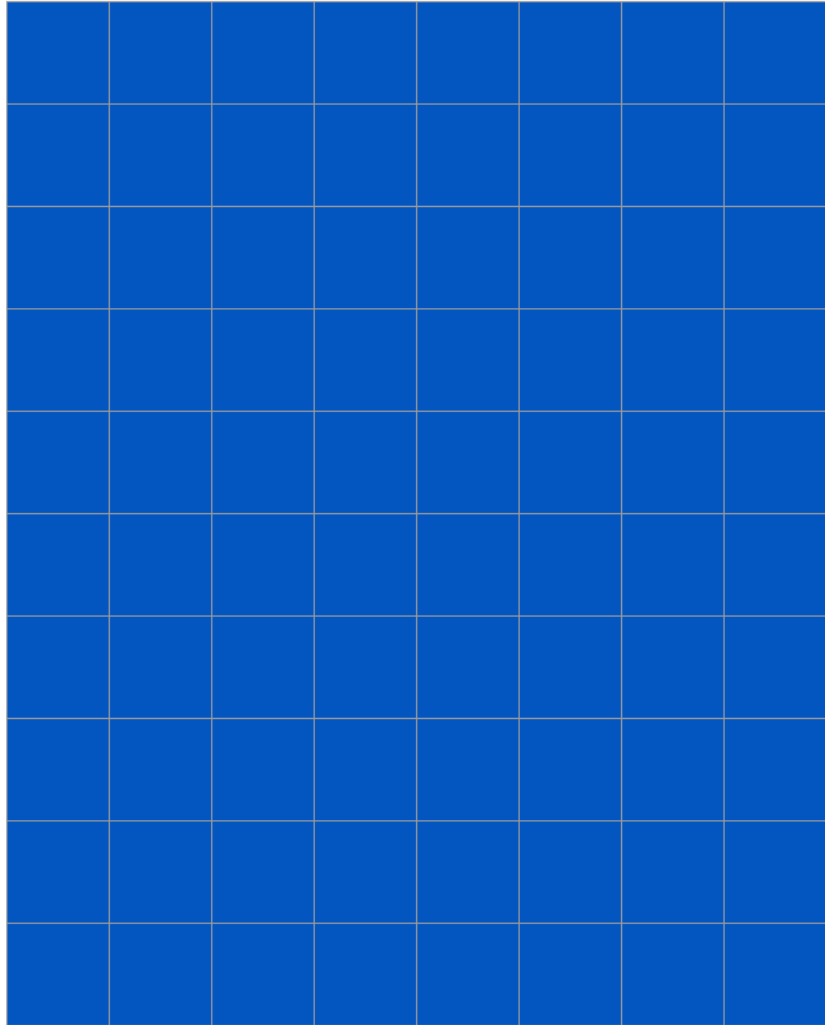
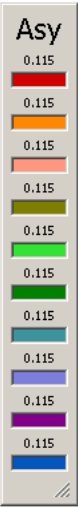
Nyy [klf]; LC: u1; Nyy,max = -114.000 klf; Nyy,min = -114.000 klf

Nonslender Bearing Wall - Second Order Analysis



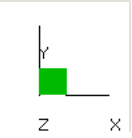
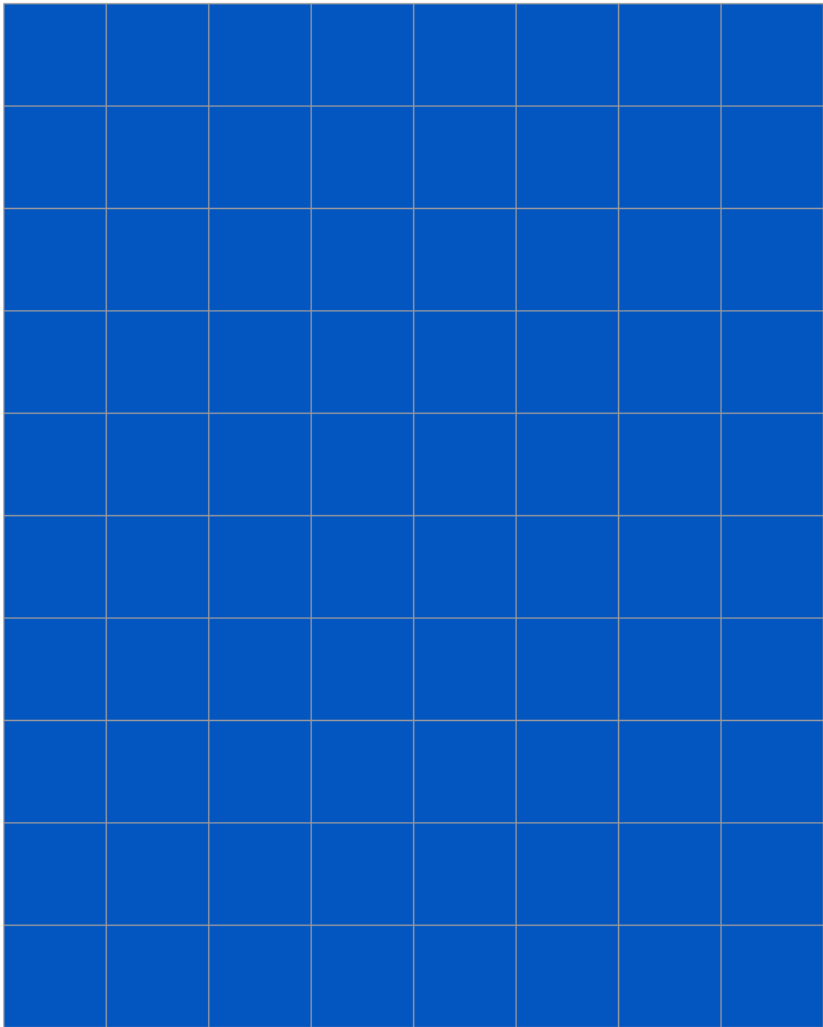
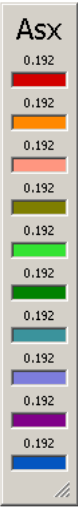
Myy [k-ft/ft]; LC: u1; Myy,max = 11.788 k-ft/ft; Myy,min = -5.613 k-ft/ft

Nonslender Bearing Wall - Second Order Analysis



Asy [in^2/ft]; LC: Envelope; Asy,max = 0.115 in^2/ft; Asy,min = 0.115 in^2/ft

Nonslender Bearing Wall - Second Order Analysis



Asx [in²/ft]; LC: Envelope; Asx,max = 0.192 in²/ft; Asx,min = 0.192 in²/ft