

Stress

Load Combination = LC2
 Rank Option = RC O Steel X Rebar O
 Components = Combined

Uncracked Elastic St (kip/in²)

Ratio of modulus of elasticity

Rebar / Conc. = 6.50

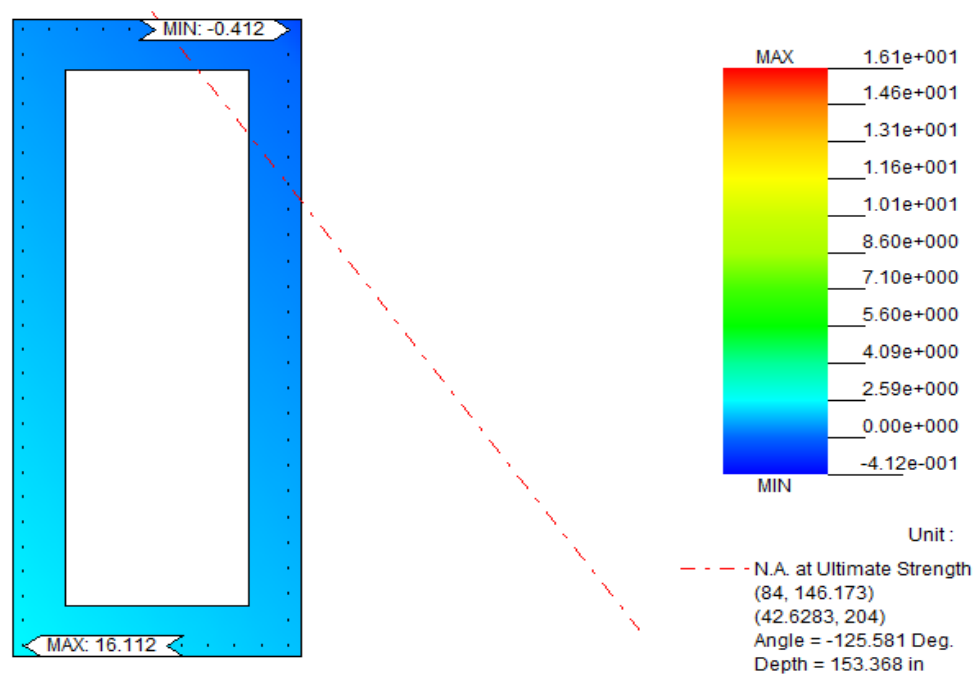
Steel / Conc. = 0.00

Maximum compressive stress in concrete = 2.55 kip/in²

Maximum tensile stress in concrete = -0.13 kip/in²

Maximum tensile stress in rebar = -0.41 kip/in²

Maximum tensile stress in steel = 0.00 kip/in²



Forces and stress in bars

No	y coord.(in)	z coord.(in)	Force(kip)	Stress(kip/in ²)
1	3.30	200.70	8.39	5.37
2	3.30	192.80	9.06	5.80
3	3.30	184.91	9.73	6.23
4	3.30	177.01	10.40	6.66
5	3.30	169.12	11.07	7.09
6	3.30	161.22	11.74	7.52
7	3.30	153.32	12.41	7.95
8	3.30	145.43	13.09	8.38
9	3.30	137.53	13.76	8.81

10	3.30	129.64	14.43	9.24
11	3.30	121.74	15.10	9.67
12	3.30	113.84	15.77	10.10
13	3.30	105.95	16.44	10.53
14	3.30	98.05	17.11	10.96
15	3.30	90.16	17.78	11.39
16	3.30	82.26	18.45	11.82
17	3.30	74.36	19.12	12.25
18	3.30	66.47	19.79	12.68
19	3.30	58.57	20.46	13.10
20	3.30	50.68	21.13	13.53
21	3.30	42.78	21.80	13.96
22	3.30	34.88	22.47	14.39
23	3.30	26.99	23.15	14.82
24	3.30	19.09	23.82	15.25
25	3.30	11.20	24.49	15.68
26	3.30	3.30	25.16	16.11
27	11.04	3.30	24.25	15.53
28	18.78	3.30	23.35	14.95
29	26.52	3.30	22.45	14.38
30	34.26	3.30	21.54	13.80
31	42.00	3.30	20.64	13.22
32	49.74	3.30	19.74	12.64
33	57.48	3.30	18.83	12.06
34	65.22	3.30	17.93	11.48
35	72.96	3.30	17.03	10.90
36	80.70	3.30	16.12	10.33
37	80.70	11.52	15.42	9.88
38	80.70	19.75	14.73	9.43
39	80.70	27.97	14.03	8.98
40	80.70	36.20	13.33	8.54
41	80.70	44.42	12.63	8.09
42	80.70	52.65	11.93	7.64
43	80.70	60.87	11.23	7.19
44	80.70	69.10	10.53	6.75
45	80.70	77.32	9.84	6.30
46	80.70	85.55	9.14	5.85
47	80.70	93.77	8.44	5.40
48	80.70	102.00	7.74	4.96
49	80.70	110.23	7.04	4.51
50	80.70	118.45	6.34	4.06
51	80.70	126.68	5.64	3.61
52	80.70	134.90	4.95	3.17
53	80.70	143.13	4.25	2.72
54	80.70	151.35	3.55	2.27
55	80.70	159.58	2.85	1.82
56	80.70	167.80	2.15	1.38

57	80.70	176.03	1.45	0.93
58	80.70	184.25	0.75	0.48
59	80.70	192.48	0.06	0.04
60	80.70	200.70	-0.64	-0.41
61	72.96	200.70	0.26	0.17
62	65.22	200.70	1.16	0.74
63	57.48	200.70	2.07	1.32
64	49.74	200.70	2.97	1.90
65	42.00	200.70	3.87	2.48
66	34.26	200.70	4.78	3.06
67	26.52	200.70	5.68	3.64
68	18.78	200.70	6.58	4.22
69	11.04	200.70	7.49	4.79