

Horizontal Truss Group Loads

Group	Load	Percent
1	DL	1.00
2	DL+W	1.33
3	DL+Hor+SW	1.33

Minimum Pz = 25.0 pcf

Horizontal Overhead Truss Analysis

Location	r	Wind Dir. 00				Wind Dir. 090				Wind Dir. 180				Wind Dir. 270				
		Moment	Horz. Force	Vert. Force	Twist	Moment	Horz. Force	Vert. Force	Twist	Moment	Horz. Force	Vert. Force	Twist	Moment	Horz. Force	Vert. Force	Twist	
Left Support	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Left Splice	29.70	18.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Midspan	29.70	18.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sign 1	29.70	18.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sign 2	34.82	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sign 3	34.82	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Right Splice	68.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Right Support	68.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

GROUP LOAD COMBINATIONS

Location	r	Horizontal Forces				Vertical Forces				Combined Forces			
		Moment	Horz. Force	Vert. Force	Twist	Moment	Horz. Force	Vert. Force	Twist	Moment	Horz. Force	Vert. Force	Twist
Left Support	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Left Splice	29.04	1	22.33	2.78	7.38	73.28	10.45	28.01	0.18	0.04	35.39	0.00	0.18
Midspan	29.04	1	22.33	2.78	7.38	73.28	10.45	28.01	0.18	0.04	35.39	0.00	0.18
Sign 1	16.18	1	19.42	2.40	6.40	67.88	9.65	29.87	3.88	0.86	32.29	0.00	3.88
Sign 2	34.82	2	22.07	2.72	7.30	73.70	10.51	28.17	2.69	0.89	0.00	35.47	2.69
Sign 3	34.82	2	22.07	2.72	7.30	73.70	10.51	28.17	2.69	0.89	0.00	35.47	2.69
Right Splice	68.07	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Right Support	68.07	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Monotube Forces

Location	Section	r	Section 1				Section 2			
			Moment	Horz. Force	Vert. Force	Twist	Moment	Horz. Force	Vert. Force	Twist
Left Support	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Left Splice	29.04	1	29.70	0.00	0.00	0.00	0.00	0.00	0.00	
Midspan	29.04	1	29.70	0.00	0.00	0.00	0.00	0.00	0.00	
Sign 1	16.18	1	19.42	0.00	0.00	0.00	0.00	0.00	0.00	
Sign 2	34.82	2	26.88	0.00	0.00	0.00	0.00	0.00	0.00	
Sign 3	34.82	2	26.88	0.00	0.00	0.00	0.00	0.00	0.00	
Right Splice	68.07	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Right Support	68.07	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Location	Section	Moment	Horz. Force	Vertical Force	Twist
Left Splice	29.04	22.33	2.78	7.38	0.18
Sign 1	16.18	19.42	2.40	6.40	3.88
Sign 2	34.82	22.07	2.72	7.30	2.69
Sign 3	34.82	22.07	2.72	7.30	2.69
Right Splice	68.07	0.00	0.00	0.00	0.00
Right Support	68.07	0.00	0.00	0.00	0.00