

Horizontal Truss Group Loads

Group	Load	Percent	Remark
1	DL	1.00	
2	DL+WW	1.33	
3	DL+WW+SW	1.33	Minimum Pz = 25.0 pcf

Horizontal Overhead Truss Analysis

Location	Mvert (kip-ft)			Mhoriz (kip-ft)			Vhoriz (kips)			Vvert (kips)		
	DL	ICL	WIND	DL	ICL	WIND	DL	ICL	WIND	DL	ICL	WIND
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
Left Splice	35.70	23.20	0.00	0.00	0.00	135.49	135.49	0.00	0.00	3.92	3.92	0.88
Midspan	35.70	23.20	0.00	0.00	0.00	135.49	135.49	0.00	0.00	-3.92	-3.92	-0.88
Sign 1	37.87	25.19	0.00	0.00	0.00	150.53	150.53	0.00	0.00	5.39	5.39	1.02
Sign 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.49	0.02
Sign 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.49	0.02
Right Splice	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.41	5.41	1.80
Right 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

GROUP LOAD COMBINATIONS

Location	Section	Bending About Horizontal Axis						Bending About Vertical Axis						SHEAR			Combined Forces			
		Mvert		Mhoriz		Mdiag		Mvert		Mhoriz		Mdiag		Horizontal		Vertical		Section 1		
		kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft	kip-ft
Left Support	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	0.00	0.00	2.01			
Left Splice	29.04	1	35.70	4.40	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	11.80	0.00	0.66				
Midspan	29.04	1	35.70	4.40	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.66	11.80	0.00	-0.66				
Sign 1	25.10	1	37.87	4.88	12.50	0.00	0.00	0.00	0.00	0.00	0.00	1.02	12.50	0.00	1.02					
Sign 2	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.49					
Sign 3	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.49					
Right Splice	58.07	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	0.00	1.80					
Right Support	58.07	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	0.00	1.80					

Location	Section	Monosube Forces											
		Section 1						Section 2					
		Mvert	Mhoriz	H Shear	V Shear	Mvert	Mhoriz	H Shear	V Shear	Mvert	Mhoriz	H Shear	V Shear
Left Support	0.00	1	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Left Splice	29.04	1	35.70	0.00	0.00	-0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Midspan	29.04	1	35.70	0.00	0.00	-0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sign 1	25.10	1	37.87	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sign 2	0.00	1	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sign 3	0.00	1	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Right Splice	58.07	1	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Right Support	58.07	1	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section	Mvert	Mhoriz	SHEAR	SHEAR
kip-ft	kip-ft	kip	kip	
For Monosube Design Only - Section 1	47.49	113.18	4.99	2.43
For Monosube Design Only - Section 2	0.00	0.00	0.00	0.00