

Section Properties

Number of Posts per end	1	Number of Chords	3
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Overhead Truss

Section 1													
Chord Area	Mem. Off	Diag. Area	Total I	Total S	Total Area	Chord	Weight	Ice Area	Wind Area	Wind Area	Diagonal	No. of Diags.	Diagonal
sq	in	sq	ft	ft	sq	ft	per foot	sq	sq	sq	R min	per plane	Length
2.68	4.771	0.94	1751	97.26	11.68	1.33	39.7	6.0	1.00	0.71	0.389	9	2.93
2.68	4.771	0.94	1751	97.26	11.68	1.33	39.7	6.0	1.00	0.71	0.389	9	2.93
in ²	in	in ²	ft	ft	ft	ft	lb/ft	ft ²	ft ²	ft ²	in		ft

Section 2													
Chord Area	Mem. Off	Diag. Area	Total I	Total S	Total Area	Chord	Weight	Ice Area	Wind Area	Wind Area	Diagonal	No. of Diags.	Diagonal
sq	in	sq	ft	ft	sq	ft	per foot	sq	sq	sq	R min	per plane	Length
2.68	4.771	0.94	1751	97.26	11.68	1.33	39.7	6.0	1.00	0.71	0.389	9	2.93
2.68	4.771	0.94	1751	97.26	11.68	1.33	39.7	6.0	1.00	0.71	0.389	9	2.93
in ²	in	in ²	ft	ft	ft	ft	lb/ft	ft ²	ft ²	ft ²	in		ft

Section 3 = Section 1													
Chord Area	Mem. Off	Diag. Area	Total I	Total S	Total Area	Chord	Weight	Ice Area	Wind Area	Wind Area	Diagonal	No. of Diags.	Diagonal
sq	in	sq	ft	ft	sq	ft	per foot	sq	sq	sq	R min	per plane	Length
2.68	4.77	0.94	1751	97.26	11.68	1.33	39.67	6.0	1.00	0.71	0.39	9.00	2.93
2.68	4.77	0.94	1751	97.26	11.68	1.33	39.67	6.0	1.00	0.71	0.39	9.00	2.93
in ²	in	in ²	ft	ft	ft	ft	lb/ft	ft ²	ft ²	ft ²	in		ft

Posts

Left Post													
Chord Area	Mem. Off	Diag. Area	Ixx	Iyy	Izz	Chord	Szz	Weight	Ice Area	Wind Area	Diagonal	Total Number	Diagonal
sq	in	sq	in ⁴	in ⁴	in ⁴	ft	in ²	lb/ft	sq	sq	R min	of Diagonals	Length
21.21	483.093	0.00	483.09	69.01	483.09	4.77	69.01	72.16	3.67	1.167	999	0	0.00
in ²	in	in ²	in ⁴	in ⁴	in ⁴	ft	in ²	lb/ft	ft ²	ft ²	in		ft

Right Post													
Chord Area	Mem. Off	Diag. Area	Ixx	Iyy	Izz	Chord	Szz	Weight	Ice Area	Wind Area	Diagonal	Total Number	Diagonal
sq	in	sq	in ⁴	in ⁴	in ⁴	ft	in ²	lb/ft	sq	sq	R min	of Diagonals	Length
21.21	483.093	0.00	483.09	69.01	483.09	4.77	69.01	72.16	3.67	1.167	999	0	0.00
in ²	in	in ²	in ⁴	in ⁴	in ⁴	ft	in ²	lb/ft	ft ²	ft ²	in		ft

Signs

Sign 1				Sign 2			
Area	Weight	Ice Load	L/W Ratio	Area	Weight	Ice Load	L/W Ratio
6.0	6.0	1.20567316		6.0	6.0	1.43722944	
in ²	lb	lb		in ²	lb	lb	

Sign 3			
Area	Weight	Ice Load	L/W Ratio
0	0	0	0
in ²	lb	lb	

Section 1 & 3		Section 2	
Ice Area 4 =	Ice Area 4 =	Ice Area 3 =	Ice Area 3 =
6.0	6.0	6.0	6.0
Wind area diag 4 =	Wind area diag 4 =	Wind area diag 4 =	Wind area diag 4 =
0.4713	0.4713	0.4713	0.4713
Wind area diag 3 =	Wind area diag 3 =	Wind area diag 3 =	Wind area diag 3 =
0.7070	0.7070	0.7070	0.7070
Ice Area 1 =	Ice Area 1 =	Ice Area 1 =	Ice Area 1 =
1.047158	1.0472		