Cost Data

Item	Truss Chords	Number of Crosses Diagonals	Posts	1 Post Diagonals	Post Extension	Number of Sheets per side Top Rail	Bottom Rail	Rear Rail	1 Front Rail	Foundation Cylinder	Foundation Reinforcing
Cost Units	$/ft	$/ea	$/ea	$/ea	$/ea	$/ft	$/ft	$/ft	$/ft	$/ea	$/ea
Cost Per Unit or Connection	$15.00	$35.00	$150.00	$150.00	$125.00	$31.00	$7.25	$6.98	$55.00	$250.00	$7.00
Number Required	4	4	4	4	4	1	1	1	1	4	4
Cost Per Side	$60.00	$140.00	$600.00	$600.00	$500.00	$31.00	$7.25	$6.98	$55.00	$250.00	$7.00

Truss Chords

Chords Number	Length Ft. Inches	Cut Angle Inches	Total Length	Weight Pounds	Cost
1	7.00	0.00	21.1	1.00	$316.50
2	4.00	0.00	12.1	1.00	$181.50
3	4.00	0.00	12.1	1.00	$181.50
4	4.00	0.00	12.1	1.00	$181.50
				Total Cost	$1,061.00

Truss Diagonals

Diagonal Number	Section 1 Length	Total	Section 2 Length	Total	Section 3 Length	Total	Section 4 Length	Total	Total of Diagonals (feet)
Type	Number	Number	Number	Number	Number	Number	Number	Number	
Long	2	2.83	22.1	4	2.45	20.1	2	2.83	22.1
Short	4	2.83	44.2	4	1.41	22.6	4	1.41	22.6
Total			66.3			42.7			44.7

Number of Side Planes: 1
Number of Top Planes: 2

Chord Length	1.00
Total Cost	$1,061.00
Total Diagonal	44.7
Total Cost	$669.00

Posts

Post	Outside Dia.	Thickness	Length	Weight	Cost
	Inches	Inches	Feet	Pounds	
Left	14.00	0.25	28.00	20.00	$4,760.00
Right	14.00	0.25	32.00	24.00	$5,600.00
				Total Cost	$10,360.00

Post Diagonals & Horizontals

Post	Diagonals Number	Diagonals Length	Total	Horizontals Number	Horizontals Length	Total	Total of Diagonals & Horiz. (feet)
Left	2	4.00	8.00	1	3.00	3.00	11.00
Right	2	5.00	10.00	1	3.00	3.00	13.00
Total			18.00			6.00	
						Weight (Lbs)	1.00
						Total Cost	$1,800.00
						Total Feet	24.00

Connections

	Tube Base Connection	Tube Short Connection	Tube Long Connection	Post Wing Connection	Tube Tube Connection
Number	4	4	4	4	4
Cost	$50.00	$0.00	$0.00	$0.00	$50.00
Total	$200.00	$0.00	$0.00	$0.00	$200.00

Number of Hinges: 1
Total Cost: $200.00

Foundations

Sprint Footings: Which Type of Footing is Each Side Installed? Drilled Shafts Not in Use

Sprint Footings	Concrete Yards	Reinforcing Lbs.
Number	4.0	16
Cost	$250.00	$7.00
Total	$1,000.00	$112.00

Drilled Shafts	Concrete Yards	Reinforcing Lbs.
Number	0.0	0
Cost	$250.00	$7.00
Total	$0.00	$0.00

Total Cost: $1,112.00

Steel weight

Truss Chords	1061
Truss Diagonals	669
Posts	3072
Post Diagonals & Horizontals	1800
Connections	200
Total weight (lbs)	7002

Summary

Truss Chords	$1,061.00
Truss Diagonals	$669.00
Posts	$10,360.00
Post Diagonals & Horizontals	$1,800.00
Connections	$200.00
Foundations	$1,112.00
Total Estimated Cost	$15,386.00

Connection Data

Sensplate

			Unit Cost	Cost
Outside Diameter =	10.00	inches		
Inside Diameter =	14.00	inches		
Thickness =	2.25			
Weight (1 stiffener) =	26	pounds	$0.55	$341.00
Number of Stiffeners =	4		$0.55	$341.00
Stiffener Width Length =	16	inches (1/2" width)	$0.55	$352.00
Stiffener Weight =	26	pounds		
Divided Weight Length =	87.96	inches	$0.55	$2,547.21
Total Cost for each Sensplate connection =				$3,581.21

weight (lbs): 415

Truss Spline (each leg)

			Unit Cost	Cost
Outside Diameter =	10.00	inches		
Inside Diameter =	14.00	inches		
Thickness =	0.750	inches		
Weight (1 plate) =	28	pounds	$0.55	$140.28
Bolt Diameter =	0.75	inches		
Number of Bolts =	4		$1.45	$80.75
Bolt Weight =	0.25	pounds		
Divided Weight Length =	52.77	inches	$0.55	$1,527.97
Total Cost for each truss spline connection =				$1,749.00

weight (lbs): 28

Truss Diagonal Tab Plate

			Unit Cost	Cost
Thickness =	0.375	inches		
Width =	7.00	inches		
1/2 Length =	10.00	inches	$0.55	$4.22
Weight =	1.0	pounds		
Bolt Diameter =	0.50	inches		
Chord Wind Length =	30.00	inches		
Diagonal Wind Length =	20.00	inches		
Total Wind Length =	50.00	inches	$0.55	$1.26
Bolt Weight =	0	pounds		
Number of Bolts =	4	inches	$0.55	$0.55
Total Cost for each 1/2 diagonal tab plate connection =				$6.03

weight (lbs): 7

Post Diagonal Tab Plate

			Unit Cost	Cost
Thickness =	0.500	inches		
Width =	7.00	inches		
1/2 Length =	10.00	inches	$0.55	$3.78
Weight =	1.0	pounds		
Wind Size =	0.00	inches		
Post Wind Length =	20.00	inches		
Diagonal Wind Length =	0.0	inches		
Total Wind Length =	10.00	inches	$0.55	$0.55
Bolt Weight =	0.0	pounds		
Number of Bolts =	4	inches	$0.55	$0.55
Total Cost for each 1/2 diagonal tab plate connection =				$5.08

weight (lbs): 10

Truss Support Member (2 sheet - 4 sheet) N/A - See Connection Below

			Unit Cost	Cost
Location	2 Sheet	4 Sheet		
Weight =	0.00	0.00	$0.55	($0.55)
Length =	0.0	inches		
Wind Length =	0.0	inches	$0.55	$0.00
Total Cost for each Truss support connection =				$0.00

weight (lbs): -0.00

Truss Support Member (Fin-shaped Cases)

			Unit Cost	Cost
Fin Thickness =	0.500	inches		
Plate Weight =	31.00	lbs		
No. of Punctures =	0			
Total Plate Weight =	31.00	lbs	$0.55	$30.55
Wind Size =	0.00			
Wind Length =	84	inches	$0.55	$42.00
Total Cost for each truss support connection =				$72.55

Truss Support Member (Monolithic Cases) N/A - Use Connection Below

			Unit Cost	Cost
	Left	Right		
Wt. of Post Wind =	71.00	lb		
wt of dual wind plate =	71.00	lb		
Wt of Tension Ring =	18.00	lb	$0.55	$55.45
Total Weight =	160.00	lb		
Wind Size Based on Dual Wind Plate	0.00	inches		
Wind Length =	84.00	inches	$0.55	$23.05
Wind Length Based on Post Wind	0.00	inches		
Wind Length =	87.96	inches	$0.55	$22.55
Wt of Cylinder =	0		$0.55	$0.00
Total Cost for each truss support connection =				$101.05

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