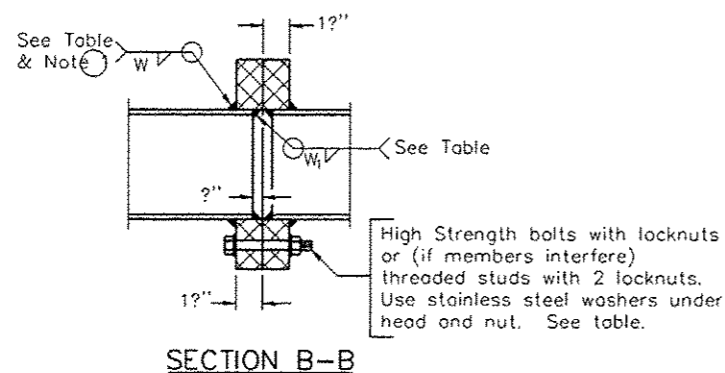
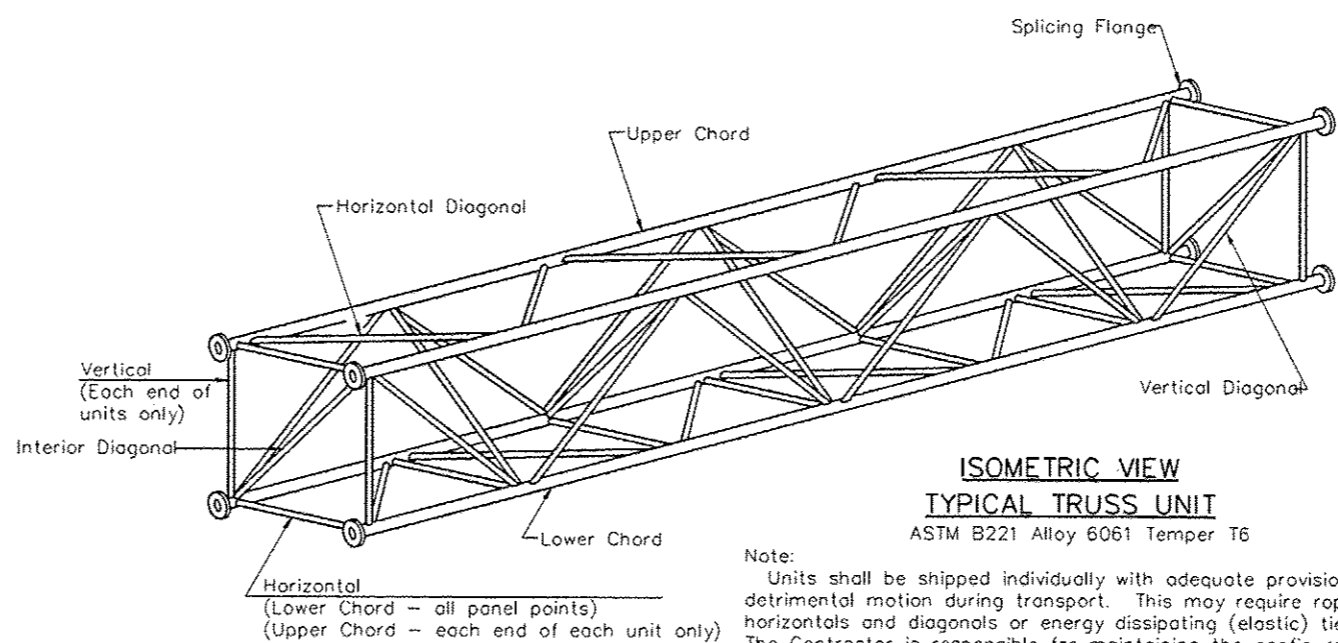


**TRUSS UNIT TABLE**

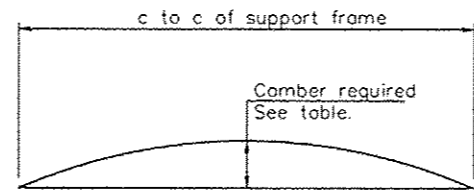
Structure Number	Station	Design Truss Type	Exterior Units (2)				Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonal		Camber at Midspan	Splicing Flange				
			No. Panels per Unit	Unit Lgth. (L)	Panel Lgth. (P)	No. Req'd.	No. Panels per Unit	Unit Lgth. (L)	Panel Lgth. (P)	O.D.	Wall	O.D.	Wall	Bolts		Weld Sizes				
														No./Splice		Dia.	W	Wt	A	B
4-16	260+00	I-A	6	29'-4 1/2"	4'-7"	1	6	28'-9"	4'-7"	5"	5/16"	2 1/2"	5/16"	2 1/20"	0	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
4-17	283+00	I-A	6	29'-1 1/2"	4'-6"	1	6	28'-6"	4'-6 1/2"	5"	5/16"	2 1/2"	5/16"	2 1/2"	0	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
4-18	109+00	I-A	7	33'-4 1/2"	4'-6"	N/A	N/A	N/A	N/A	5"	5/16"	2 1/2"	5/16"	1 1/2"	0	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
4-19	395+00	I-A	7	35'-8 1/2"	4'-10"	N/A	N/A	N/A	N/A	5"	5/16"	2 1/2"	5/16"	1 3/4"	0	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
4-20	191+00	I-A	6	30'-10 1/2"	4'-10"	N/A	N/A	N/A	N/A	5"	1/4"	2 1/2"	1/4"	1 1/4"	0	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
4-21	191+00	I-A	7	35'-8 1/2"	4'-10"	N/A	N/A	N/A	N/A	5"	5/16"	2 1/2"	5/16"	1 3/4"	0	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
4-26	389+50	II-A	5	27'-1"	5'-0 1/2"	1	6	31'-6"	5'-0 1/2"	5 1/2"	5/16"	3"	5/16"	2 3/16"	6	7/8"	5/16"	1/4"	9 1/4"	12 1/4"
4-30	330+08	II-A	5	25'-6 1/4"	4'-8 3/4"	1	6	29'-7 1/2"	4'-8 3/4"	5 1/2"	5/16"	3"	5/16"	1 7/8"	6	7/8"	5/16"	1/4"	9 1/4"	12 1/4"
4-31	72+00	II-A	5	27'-1"	5'-1/2"	1	6	31'-6"	5'-1/2"	5 1/2"	5/16"	3"	5/16"	2 1/4"	6	7/8"	5/16"	1/4"	9 1/4"	12 1/4"
4-32	90+39	I-A	6	30'-10 1/2"	4'-10"	N/A	N/A	N/A	N/A	5"	1/4"	2 1/2"	1/4"	1 1/4"	0	7/8"	5/16"	1/4"	8 3/4"	11 3/4"



① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.

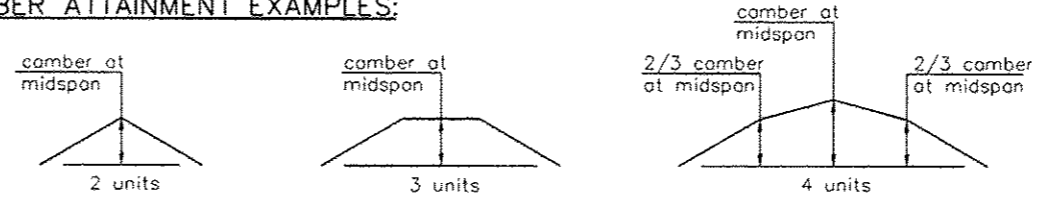


Note:  
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.

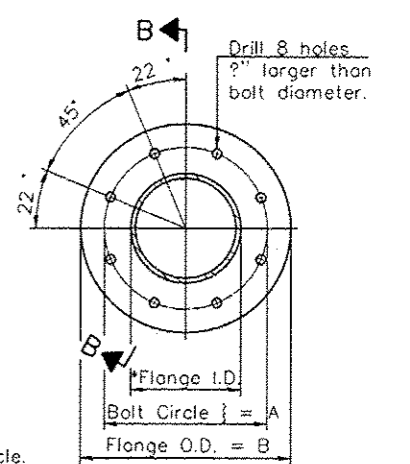
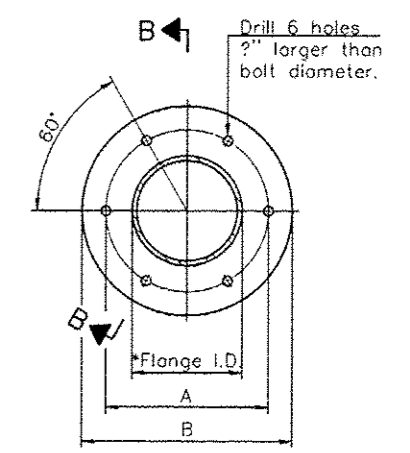


Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

**CAMBER ATTAINMENT EXAMPLES:**



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



**SPlicing FLANGES**

ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651

\*To fit O.D. of Chord with maximum gap of 1/8"

OS4-A-2

6-1-12

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A	F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED	REVISED			VAR	04-A DVD SIGN STR REPL 14-47	VARIOUS	65	34	
		DRAWN	REVISED			CONTRACT NO. 46314					
		CHECKED	REVISED			ILLINOIS FED. AID PROJECT					