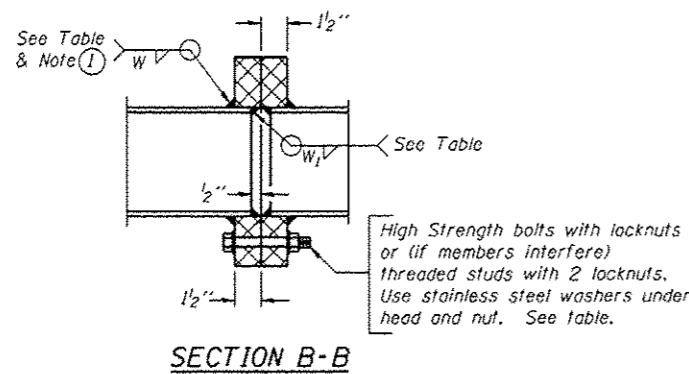


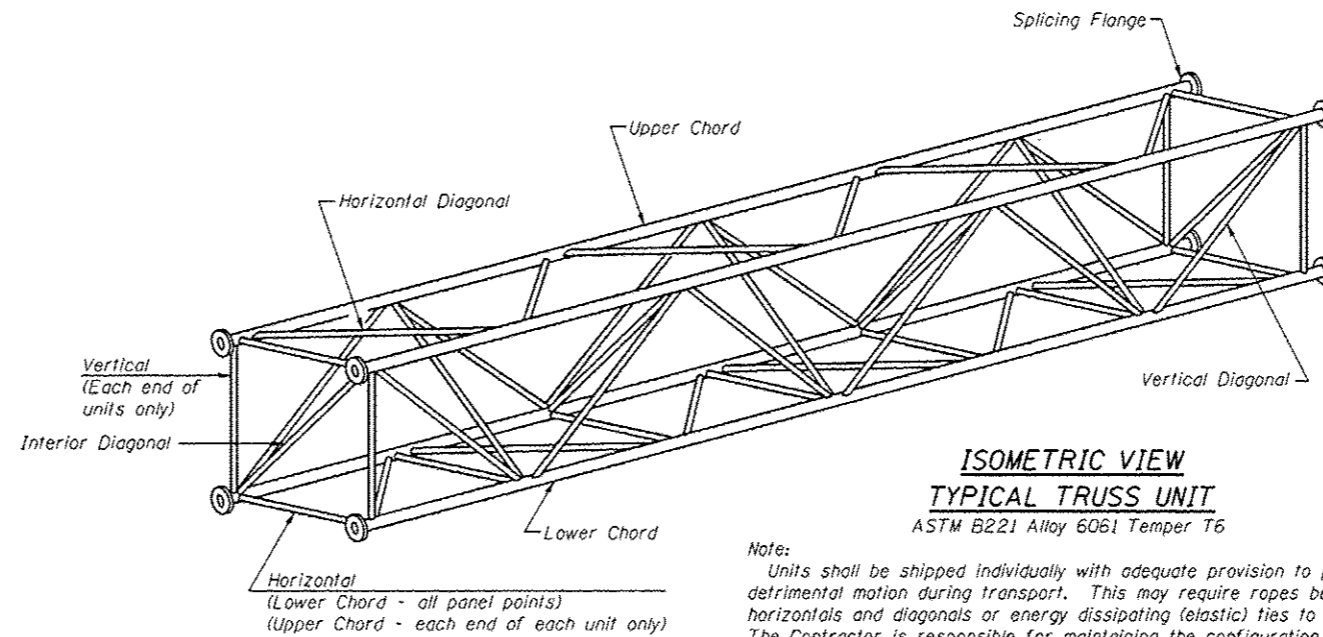
**TRUSS UNIT TABLE**

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit			Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange						
			No. Panels per Unit	Unit Lgth.(L <sub>u</sub> )	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L <sub>i</sub> )	Panel Lgth.(P)	O.D.	Wall	O.D.		Wall	No./Splice	Bolts Dia.	Weld Sizes W	W <sub>1</sub>	A	B
ISO491094L000.8	4081+75	III-A	6	31'-6"	4'-11 1/4"	2	6	30'-10 1/2"	4'-11 1/4"	7"	3/8"	3 1/4"	5/16"	3 1/2"	8	1"	9/16"	7/16"	11 1/2"	15"
ISO491094R000.9	14076+06	III-A	6	31'-6"	4'-11 1/4"	2	6	30'-10 1/2"	4'-11 1/4"	7"	3/8"	3 1/4"	5/16"	3 1/2"	8	1"	9/16"	7/16"	11 1/2"	15"
ISO491094R000.7	14085+14	III-A	6	31'-6"	4'-11 1/4"	2	6	30'-10 1/2"	4'-11 1/4"	7"	3/8"	3 1/4"	5/16"	3 1/2"	8	1"	9/16"	7/16"	11 1/2"	15"



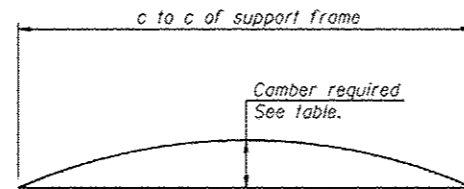
**SECTION B-B**

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.



**ISOMETRIC VIEW  
TYPICAL TRUSS UNIT**  
ASTM B221 Alloy 6061 Temper T6

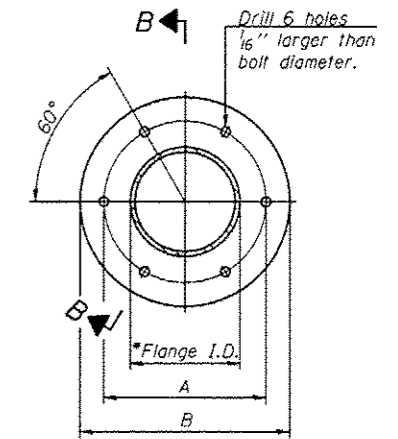
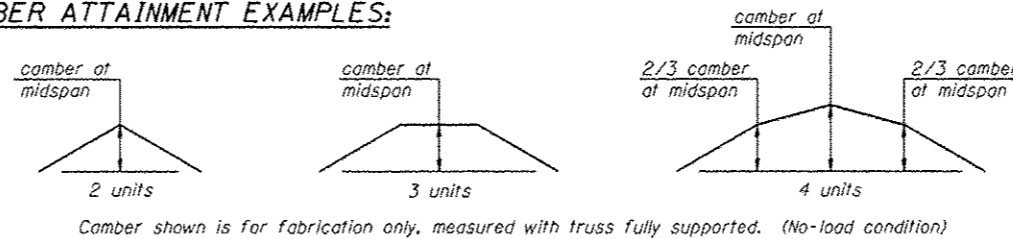
Note:  
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection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



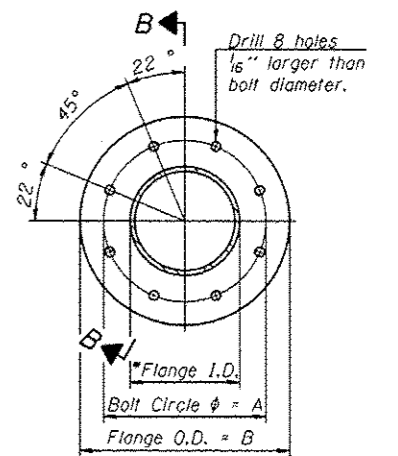
**CAMBER DIAGRAM**

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

**CAMBER ATTAINMENT EXAMPLES:**



**TRUSS TYPES I-A, II-A, & III-A**



**TRUSS TYPES II-A & III-A**

**SPLICING FLANGES**

ASTM B221, Alloy 6061-T6  
or ASTM B209, Alloy 6061-T651  
\*To fit O.D. of Chord with maximum gap of 1/16".

OS4-A-2

1-20-11

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
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DESIGNED - TF	REVISED - 7/17/2012 JMG
CHECKED - RGR	REVISED
DRAWN - TF	REVISED
CHECKED - RGR	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS  
FOR TRUSS TYPES I-A, II-A AND III-A

SHEET NO. 7 OF 12 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	49-1-R-1	LAKE	677	297
CONTRACT NO. 60L77			[ILLINOIS] FED. AID PROJECT	