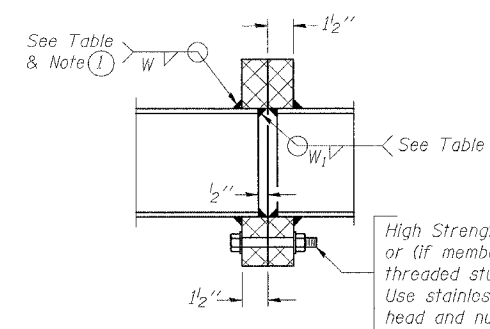


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/64	(41-3)HBK	JEFFERSON		255
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

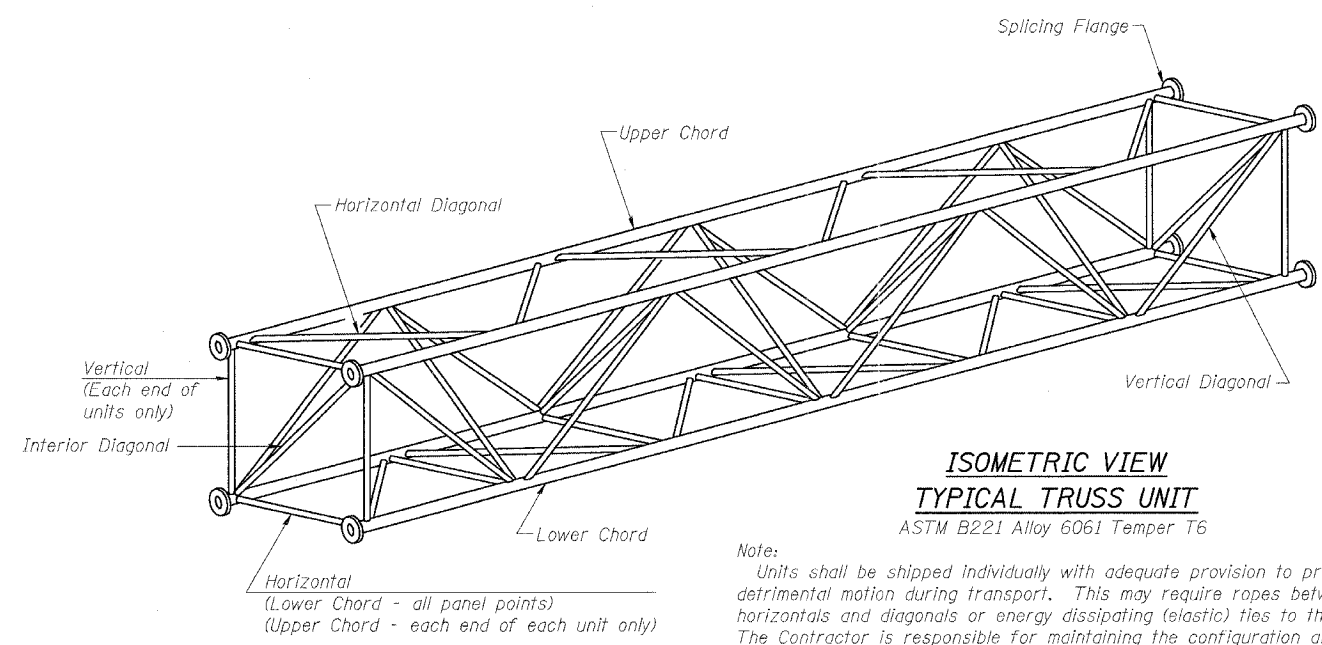
**TRUSS UNIT TABLE**

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>o</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	Di.		W	W <sub>1</sub>	A	B
950411057R093.3	700+50	I-A	5	26'-5 1/2"	4'-11"	1	6	30'-9"	4'-11"	5"	5/16"	2 1/2"	5/16"	2.35"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
950411057L094.0	740+40	I-A	6	31'-1 1/2"	4'-10 1/2"	1	6	30'-6"	4'-10 1/2"	5 1/2"	5/16"	2 1/2"	5/16"	2.80"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"

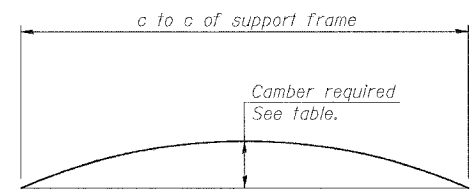


**SECTION B-B**

(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.



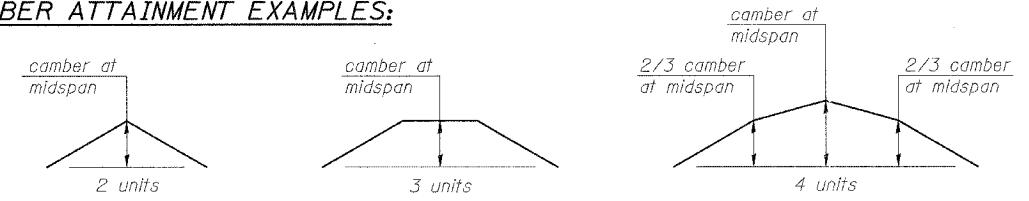
Note:  
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection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



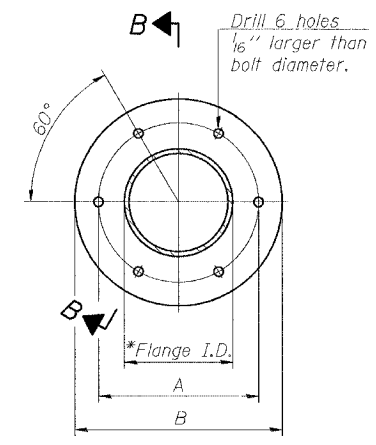
**CAMBER DIAGRAM**

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

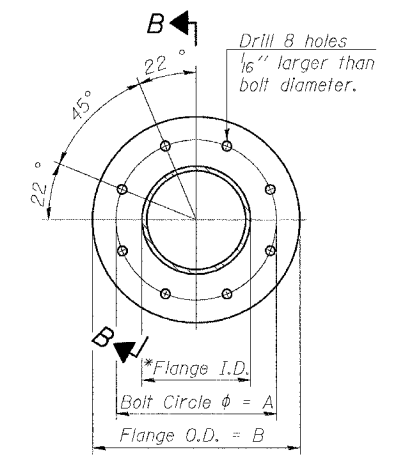
**CAMBER ATTAINMENT EXAMPLES:**



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



**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".

NUMBER	REVISION	DATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**OVERHEAD SIGN STRUCTURES  
ALUMINUM TRUSS DETAILS  
FOR TRUSS TYPES I-A, II-A and III-A**

SCALE: VERT. NONE  
HORIZ. NONE  
DATE  
DRAWN BY  
CHECKED BY

PLOT DATE = 6/11/2007  
 FILE NAME = C:\pcc\projects\road\sign\truss\truss.dwg  
 PLOT SCALE = 50.000000 / IN.  
 USER NAME = puser10r