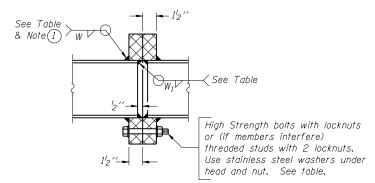
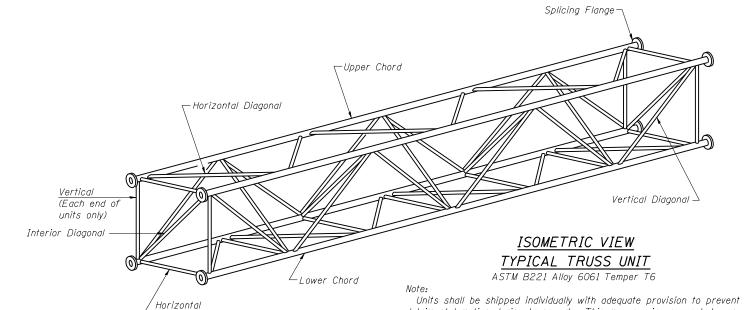
TRUSS UNIT TABLE

Structure		Design Truss	Exterior Units (2)		Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at	Splicing Flange						
Number	Station	Type	No. Panels		Panel	No.	No. Panels		Panel					Midspan	Bolt.			Sizes	A	В
			per Unit	Lgth.(L _e)	Lgtn.(P)	Reg'a.	per Unit	Lgfh.(L;)	Lgth.(P)	0.D.	Wall	0.D.	Wall		No./Splice	Dia.	W	W_{I}		
1S016S171L000.0-004	114+60.00	<i>I-A</i>	5	25′-10"	4'-912"	1	6	30′-0"	4'-912"	5"	⁵ 16 "	212"	5 ₁₆ "	214"	6	⁷ 8"	5 ₁₆ "	¹ 4"	8 ³ 4"	11 ³ 4"
																				,
1S016S171L000.0-005	57+03 . 33	<i>I-A</i>	7	34′-3"	4'-712"	0	-	-	-	5"	4"	212"	l ₄ "	1 ⁵ 8"	6	⁷ 8"	⁵ 16 "	4"	8 ³ 4"	11 ³ 4 "
																				,
																				1



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.

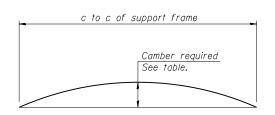


detrimental motion during transport. This may require ropes between

The Contractor is responsible for maintaining the configuration and

protection of the units.

horizontals and diagonals or energy dissipating (elastic) ties to the vehicle.



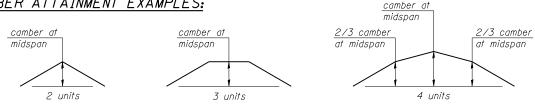
(Lower Chord - all panel points)

(Upper Chord - each end of each unit only)

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)

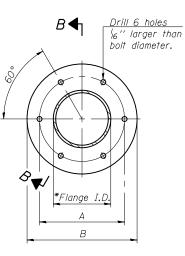
0S4-A-2

6-1-12

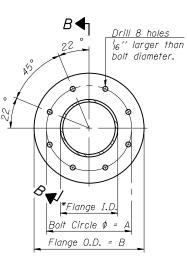
LIN ENGINEERING,LT Consulting Engineers		USER NAME =	DESIGNED - JJA	REVISED -
		FILE NAME =	CHECKED - TBP	REVISED -
	Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN - RPW	REVISED -
	Springheia, Illinois	PLOT DATE = 6/23/2014	CHECKED - TBP	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

OVERHEAD SIGN STRUCTURES – ALUMINUM TRUSS DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FOR TRUSS TYPES I-A, II-A AND III-A	372/373	2013-038B-R	соок	821	185	
TOIL THOSE THE BILLY HEAD HEAD	CONTRACT NO. 60J16					
SHEET NO. 3 OF 10 SHEETS	ILLINOIS FED. AID PROJECT					



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 $\frac{1}{6}$ ".