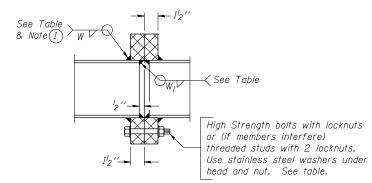
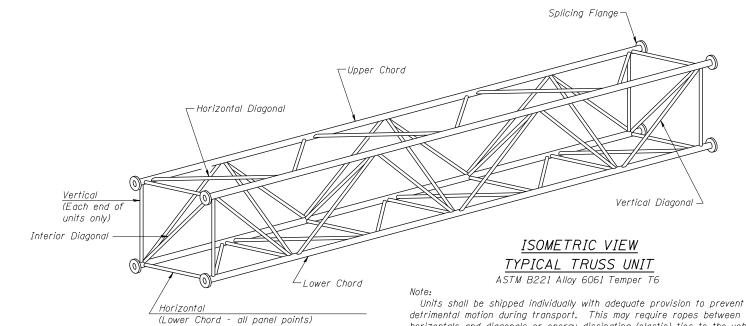
#### TRUSS UNIT TABLE

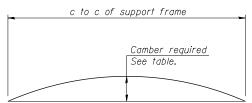
Structure Number		Design Truss	Exterior Units (2)		Interior Unit			Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber	Splicing Flange							
	Station	Type	No. Panels	Unit	Panel	No.	No. No. Panels	Unit Panel	CHOIG		Thorizonial, and Threnor Diagonals		Midspan	Bolts		Weld Sizes		_		
		1,400	per Unit	Lgth.(Le)	Lgth.(P)	Req'd.	per Unit	Lgth.(L; )	Lgth.(P)	0.D.	Wall	0.D.	Wall	Mildopari	No./Splice	Dia.	W	$W_I$	A	B
1S0161290R029.8	106 + 34	<i>I-A</i>	7	34′-10"	4'-812"	0	-	-	-	5"	14"	2/2"	4"	11/16"	6	<sup>7</sup> 8"	5 <sub>16</sub> "	1 <sub>4</sub> "	8 <sup>3</sup> 4"	11 <sup>3</sup> 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.

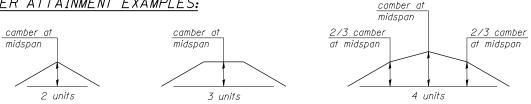




CAMBER DIAGRAM Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

# horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. (Upper Chord - each end of each unit only) The Contractor is responsible for maintaining the configuration and protection of the units.

## CAMBER ATTAINMENT EXAMPLES:



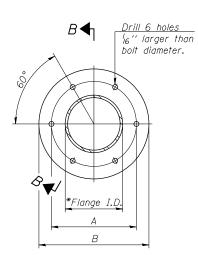
Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



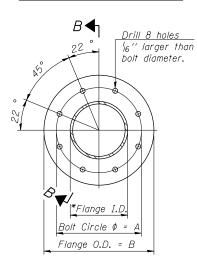
D160W26-sht-Sign-Det-09.dgn	DESIGNED - KAH	REVISED -
USER NAME = kalorenz	DRAWN - RLS	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - WJC	REVISED -
PLOT DATE = 8/18/2013	DATE - 8/20/13	REVISED -

#### STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

OVERHEAD SIGN STRUCTURES TRUSS DETAILS II									F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
									90/94/290	2013-008R	COOK	559	191	
											CONTRAC	T NO. 6	0W26	
SCA	ALE: N.T.S.	SHEET	3	OF	11	SHEETS	STA.	TO STA.	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  $^{l}_{16}$ ".