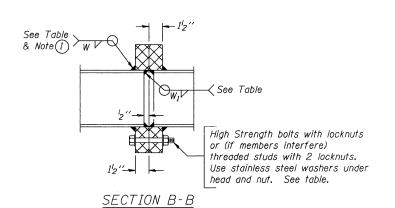
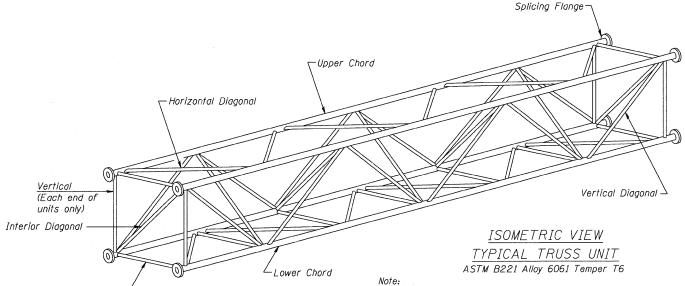
## TRUSS UNIT TABLE

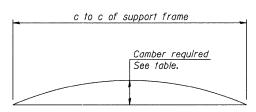
Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit			Upper & Lower		Verticals; Horizontals; Vertical,		Camber	Splicing Flange						
			No. Panels per Unit		Panel	No. Req'd.				Chord		Horizontal, and Interior Diagonals		at Midspan	Bolf		Weld	Sizes		В
				Lgth.(Le)	Lgth.(P)			Lgth.(L; )	Lgth.(P)	0.D.	Wall	0.D.	Wall		No./Splice	Dia.	W	$W_1$	A	
2S101I090L00.65	34+18 LT	II-A	6	30′-9"	4'-9 3/4"	2	6	30'-1 1/2	" 4'-9 3/4"	7"	5/16"	3"	5/16"	4 1/5"	6	1"	3/8"	1/4"	11 1/2"	<i>1</i> 5"
2S101I090L01.77	93+50 LT	III-A	6	34'-1 1/2"	5'-4 1/2"	1	6	33'-6"	5'-4 1/2"	7"	5/16"	3 1/4"	5/16"	2 3/10"	6	1"	7/16"	5/16"	11 1/2"	<i>1</i> 5"
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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.



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. (Upper Chord - each end of each unit only) The Contractor is responsible for maintaining the configuration and protection of the units.



Horizontal

(Lower Chord - all panel points)

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

## CAMBER ATTAINMENT EXAMPLES: camber at 2/3 camber 2/3 camber camber at camber at midspan midspan at midspan at midspan 2 units 4 units

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

0S4 - A - 2

1-20-11

INCOURE LOCHNER NW. LOCHNER NO. CHECKED, BLITTON	USER NAME =	DESIGNED -	REVISED -
1		CHECKED - DW	REVISED -
RV/A	PLOT SCALE =	DRAWN - JDH	REVISED -
Begins Wrister & Associates, Inc.  2004-1949 Associates, Inc.  QUIGG ENGINEERING INC.	PLOT DATE = 10/19/2011	DATE - 10-21-2011	REVISED -

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

OVERHEAD	SIGN	STRUC	TUF	RES	-	AL	UMI	NUM	TRUSS	DETAILS
	FOR	TRUSS	TYP	ES	<b>I</b> —	A, II	–A	AND	IIIA	
		SHEET						ETS		

	F.A. RTÉ.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
	90	(X2-1) R		1	WINNEBAGO	510	310
_				T	CONTRACT	NO. 6	4C29
		ILLINO	S FED.	AID	PROJECT		

\*Flange I.D. Bolt Circle Ø = A

Drill 6 holes

Drill 8 holes 1<sub>6</sub>'' larger than bolt diameter.

l<sub>l6</sub>'' larger than bolt diameter.

 $B \blacktriangleleft_1$ 

\*Flange I.D.

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

 $B \blacktriangleleft_1$ 

TRUSS TYPES II-A & III-A SPLICING FLANGES

Flange O.D. = B

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