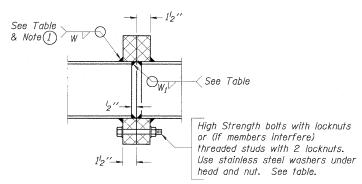
# TRUSS UNIT TABLE

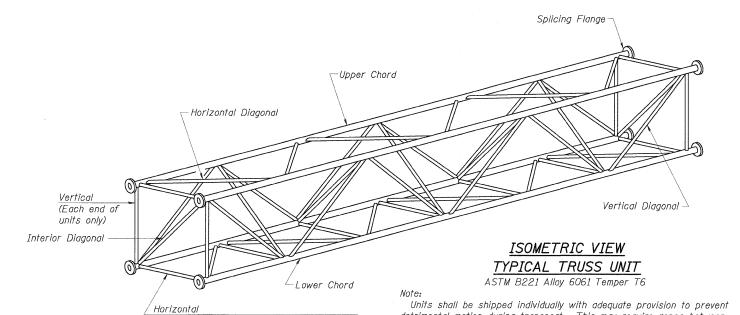
Structure	Station	Design Truss Type	Exterior Units (2)			Interior Unit			Upper & Lower Chord		Verticals; Horizontals; Vertical,		Camber	Splicing Flange						
Number					Panel ) Lgth.(P) Re		No. Panels per Unit	Unit Panel				Horizontal, and Interior Diagonals		Midspan	Bolts		Weld Sizes		Λ	D
						Req'd.		Lgth.(L <sub>i</sub> )	Lgth.(P)	0.D.	Wall	0.D.	Wall	dop dri	No./Splice	Dia.	W	W <sub>1</sub>	A	
1S0991080R013.0	570+00 EB I80	S	5	28'-11'2"	5'-5"	1	6	33′-9"	5′-5"	7	<sup>5</sup> /6 "	34"	<sup>5</sup> /6 "	1.8"	6	1"	716."	<sup>5</sup> /6 "	111/2"	15"
1S099I080L020.9	1010+00 WB 180	S	6	34'-11/2"	5'-412"	1	6	33′-6"	5'-412"	7	5/16 "	3'4"	5/6"	2.3"	6	1"	716 "	<sup>5</sup> /6 "	111/2"	15"
1S099I080R022.2	1080+00 EB I80	S	6	34'-112"	5'-42"	1	6	33′-6"	5'-4'2"	7	5/16 "	314"	5 <sub>16</sub> "	2.3"	6	1"	<sup>7</sup> I6 "	5/6"	1112"	15"
77.78.40.40.40.40.40.40.40.40.40.40.40.40.40.																				
	1									_										

2 units



## 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.



c to c of support frame Camber required See table.

(Upper Chord - each end of each unit only)

(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 midspan 2/3 camber camber at camber at 2/3 camber midspan midspan at midspan at midspan

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

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

USER NAME = PRAZALAN	DESIGNED	-	JMB	REVISED	Ma .
	DRAWN	-	PDR	REVISED	_
PLOT SCALE = 1'	CHECKED	-	ММ	REVISED	ut.
PLOT DATE = 12/23/2010	DATE	-	12/23/2010	REVISED	-

STATE OF ILLINOIS

3 units

OVERHEAD	SIGN	ST	RUCT	NS RAILRO TURES – AI TYPES I–A,	LUMINU	M TRUSS	DETAILS
SCALE:	SHEET	NO.	OF	SHEETS	STA.	TO	STA.

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.

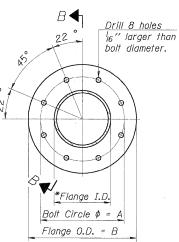
SECTION COUNTY 99 (5&5-1) Y-1 188K CONTRACT NO. 60M59 ILLINOIS FED. AID PROJECT

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

\*Flange I.D.

 $B \blacktriangleleft 1$ 

Drill 6 holes 16" larger than bolt diameter.



### 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 16".

**DEPARTMENT OF TRANSPORTATION**