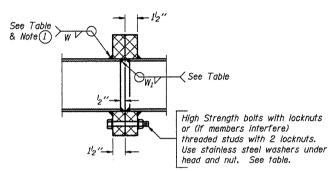
### TRUSS UNIT TABLE

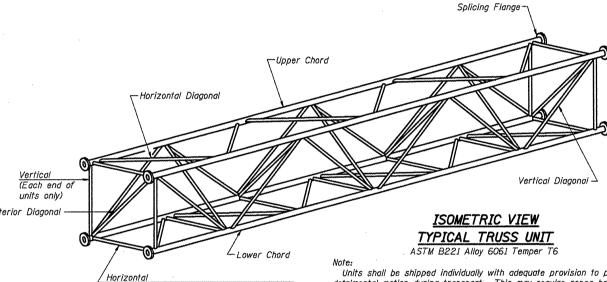
Structure		Design	Exterior Units (2)	(2)	Interior Unit			Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	Camber	Splicing Flange								
Number	Station	Truss Type	No. Panels per Unit	Unit Lgth.(Le )	Panel Lath.(P)	No. Req'd.	No. Panels per Unit	Unit Lath.(L <sub>i</sub> )	Panel Lgth.(P)	0.D.	Wall	O.D.	Wall	at Midspan	Bolt No./Splice		Weld W	Sizes W <sub>1</sub>	А	В
5 S 057 S009 R019.00	148+15	II-A	5	29'-2"			4	23'-1"	5'-5 <sup>l</sup> 2"	5½"	<sup>5</sup> 16 "	3"	<sup>5</sup> /6 "	2"	6	<sup>7</sup> 8"	38"	14"	914"	1214"
5 S 057 S009 R019.10	156+50	III- A	6	33'-3"	5'-234"	2	6	32'-712"	5'-234"	7"	3 <sub>B</sub> "	31/4"	5/6"	3 <sup>3</sup> 4"	8	1"	9/6"	7 <sub>16</sub> "	111/2"	15"
5 S 057 S009 R019.40	170+70	II- A	7	39'-2½"	5'-4"	1	6	33'-3"	5′-4"	6 <sup>1</sup> 2"	<sup>5</sup> /6 "	3"	5/6"	334"	6	1"	38"	/ <sub>4</sub> "	11"	1412"
																			ļ	
												1		Í						

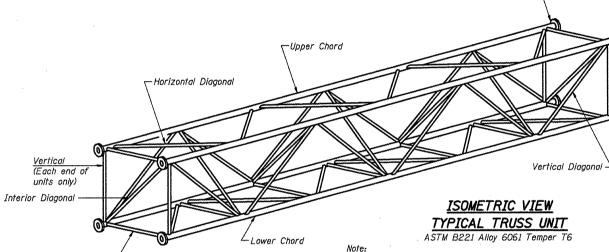


## SECTION B-B

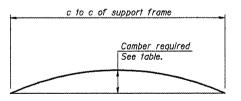
1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.

NUMBER	REVISION	DATE
		1





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.



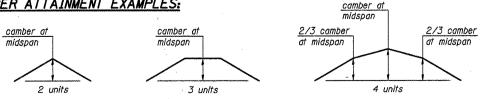
(Lower Chord - all panel points)

(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)

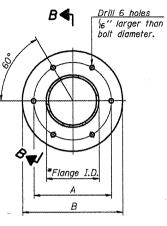
### 054-A-2

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1	FILE NAME =	USER NAME = cearlookjd	DESIGNED -	REV	/ISED -	
1	c:\pw_work\PWIDOT\CEARLOCKJD\dØ18Ø151\D		DRAWN -	REV	/ISED -	ĺ
1		PLOT SCALE = 40.0000 '/ IN.	CHECKED -	REV	/ISED -	ĺ
1		PLOT DATE = 1/21/2010	DATE -	REV	/ISED -	Ĺ

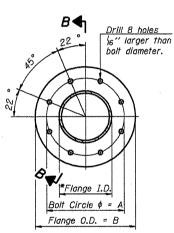
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

	<del> </del>	OVERHEA	D SIGN S	TRUCTUR	ES ,		F
ALUMINUM	TRUSS	DETAILS	FOR TRU	SS TYPES	I-A, II-A, AND	III-A	ŀ
SCALE:	SHEET	NO. OF	SHEETS	STA.	TO STA.		l

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
•	D-5 OSS REPL 2010-46	Various	77	31					
* V	arlous	CONTRACT	NO.	46110					
	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 ar ASTM B209, Alloy 6061-T651 \*To fit O.D. of Chord with maximum gap of  $^{\prime}16$ ".