

TYPICAL TRUSS UNIT

Note: For Section B-B and Section C-C, see Base Sheet OSC-A-3. There are twice as many horizontal diagonals as there are vertical diagonals.

TRUSS UNIT TABLE

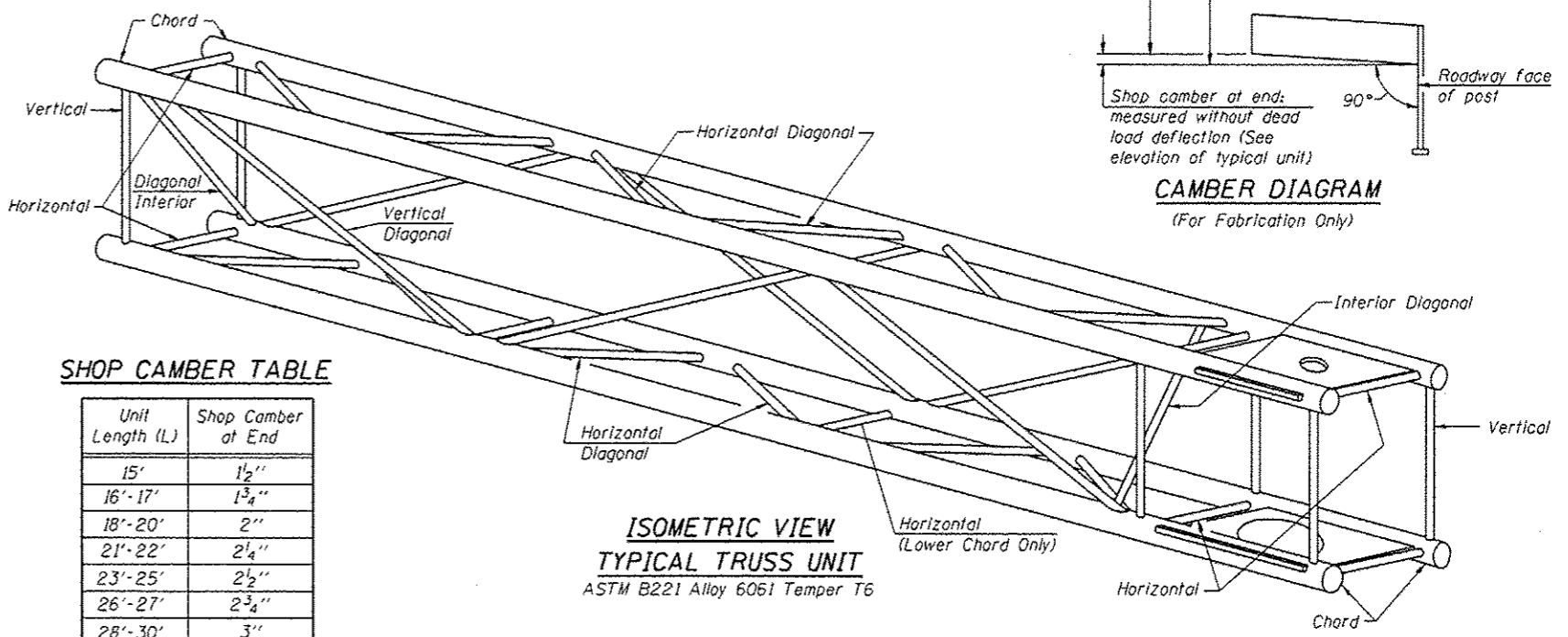
Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)*	Up. & Low. Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
I-C-A	24"	54"	16"	36" min. to 48" max.	5"	5/16"	2 1/2"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6 1/2"	5/16"	3 1/4"	5/16"
III-C-A (35' Max.)	36"	84"	21"	48" min. to 66" max.	7"	3/8"	3 1/2"	3/8"
III-C-A (>35' to 40')	36"	84"	21"	48" min. to 66" max.	8"	3/8"	3 1/2"	3/8"

$$*P = \frac{L - s - 3"}{\# \text{ Panels}}$$

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
5-01	5 C 05T 1074 L123.00 WB	111-C-A	33'-0"	6	5'-2"
5-02	5 C 05T 1074 R122.20 EB	111-C-A	33'-0"	6	5'-2"

SHOP CAMBER TABLE

Unit Length (L)	Shop Camber at End
15'	1 1/2"
16'-17'	1 3/4"
18'-20'	2"
21'-22'	2 1/4"
23'-25'	2 1/2"
26'-27'	2 3/4"
28'-30'	3"
31'-32'	3 1/4"
33'-35'	3 1/2"
36'-37'	4"
38'-40'	4 1/2"



ISOMETRIC VIEW TYPICAL TRUSS UNIT ASTM B221 Alloy 6061 Temper T6

OSC-A-2

6-1-12

FILE NAME:	USER NAME: buckleezz	DESIGNED: -	REVISED: -
01:\pwwork\pwwork\buckleezz\09330951\05271-Sht-Details.dgn		DRAWN: -	REVISED: -
	PLOT SCALE: = 40.0000 1/1 in.	CHECKED: -	REVISED: -
	PLOT DATE: 10/8/2013	DATE: -	REVISED: -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - TRUSS DETAILS ALUMINUM TRUSS & STEEL POST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
VAR.		VARIOUS	9	20
			CONTRACT NO. 46271	
ILLINOIS FED. AID PROJECT				

D-5 OVD SIN STR REPL 2014-10