

**TYPICAL TRUSS UNIT**  
For Section B-B and Section C-C, see Base Sheet OSC-A-3.

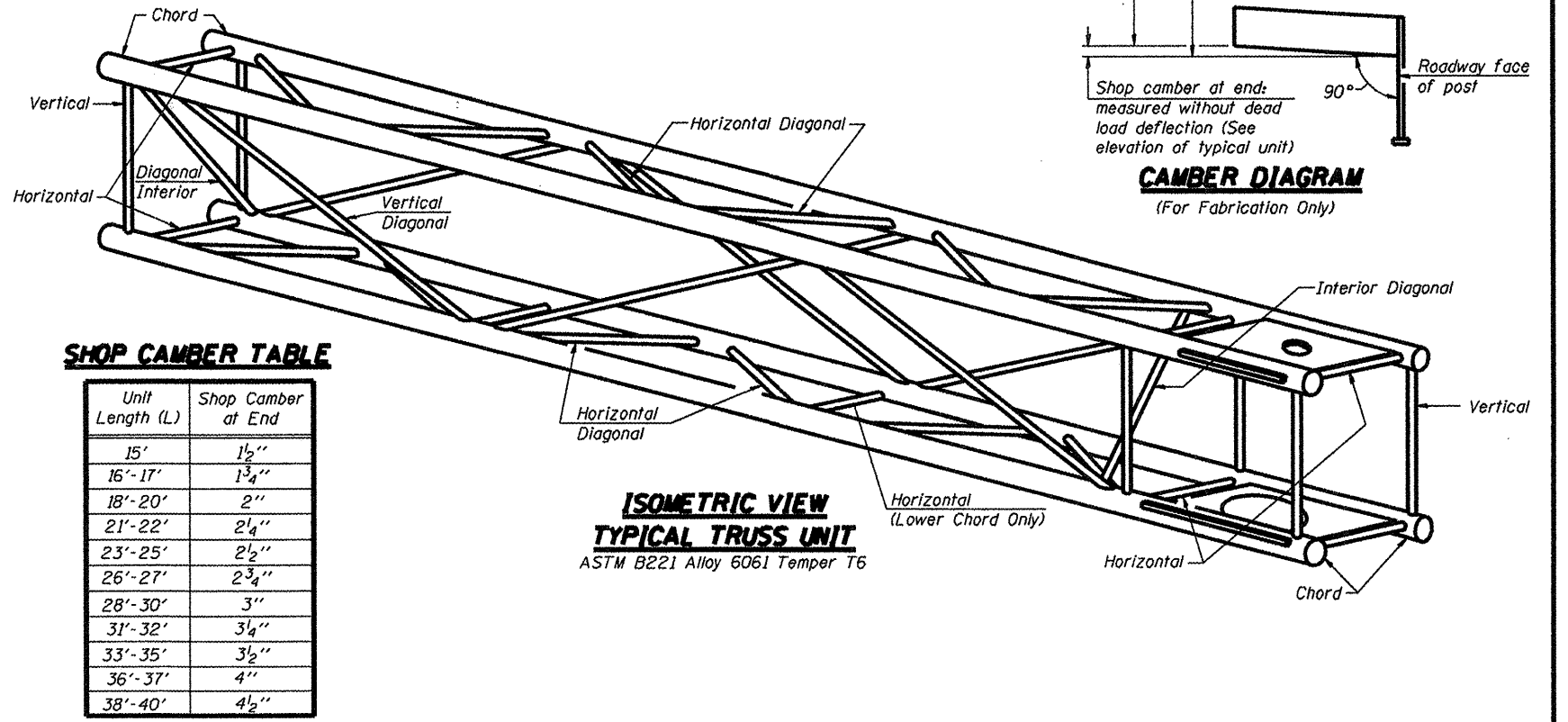
Note:  
There are twice as many horizontal diagonals as there are vertical diagonals.

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

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*	
167	2C101S251L009.6	104+85	II-C-A	28'	6	4' 4"
168	2C101S251R009.6	104+85	II-C-A	30'	7	4' 0"



**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"

OSC-A-2

1-20-11

FILE NAME =	USER NAME = lmkdj	DESIGNED -	REVISD -
D:\BRNSON TRUSS\CADD Plans\2811-2	set\PLANeng.dgn	DRAWN -	REVISD -
PLOT SCALE = 100.0000	/ IN.	CHECKED -	REVISD -
PLOT DATE = Wed Apr 06 15:31:19 2011		DATE -	REVISD -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - TRUSS DETAILS  
ALUMINUM TRUSS & STEEL POST

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
var 0-2 OVD SIGN STR REPL 12-03	VARIOUS	28	16
CONTRACT NO. 46176		ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. OF SHEETS STA. TO STA.