

**TYPICAL TRUSS UNIT**

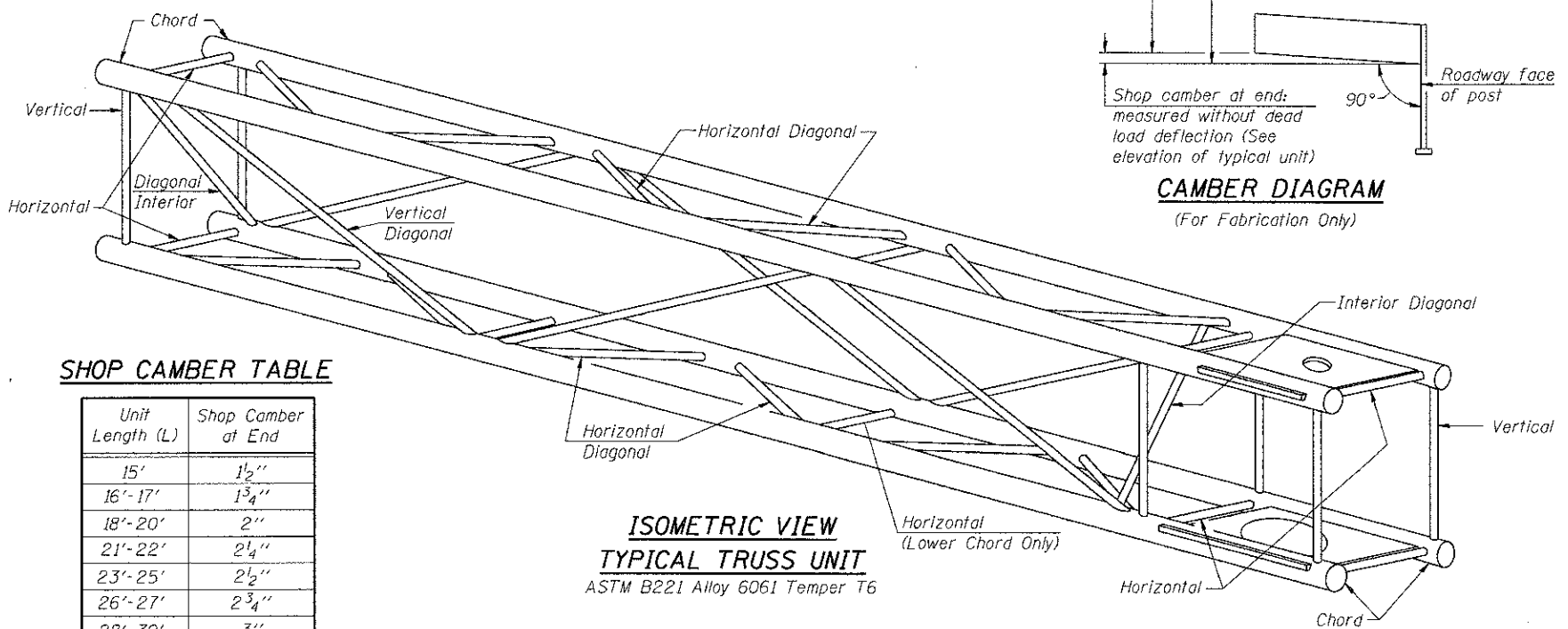
Note: For Section B-B and Section C-C, see Base Sheet OSC-A-3.  
There are twice as many horizontal diagonals as there are vertical diagonals.

**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"

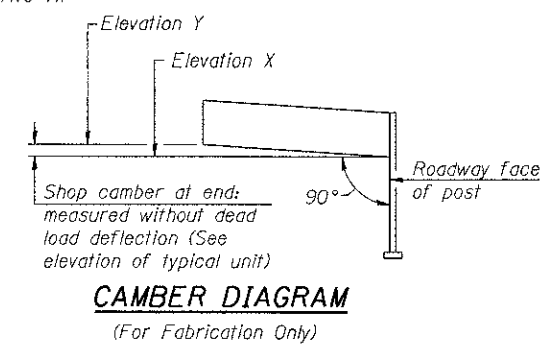
$$*P = \frac{L - s - 3''}{\# \text{ Panels}}$$

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
8C0821070R001.1	130+03	II-C-A	27'-5"	6	4'-2 3/4"
8C0821070R001.7	158+00	II-C-A	30'-0"	7	4'-0"
8C0821070R002.7	71+30,79	II-C-A	27'-11"	6	4'-3 3/4"
8C0821070L002.7	72+90	II-C-A	30'-0"	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 6-J-12

FILE NAME =	USER NAME = #USER#	DESIGNED - MDJ	REVISED -
#FILE#		DRAWN - MDJ	REVISED -
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = #SCALE#	CHECKED - JLR	REVISED -
	PLOT DATE = #DATE#	DATE - 06/29/12	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
I-70 CONNECTION

CANTILEVER SIGN STRUCTURES - TRUSS DETAILS  
ALUMINUM TRUSS & STEEL POST  
SCALE: SHEET NO. 2 OF 9 SHEETS STA. TO STA.

F.A.P. RTE. 998	SECTION 82-1R	COUNTY ST. CLAIR	TOTAL SHEETS 294	SHEET NO. 195
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 76C43		