

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

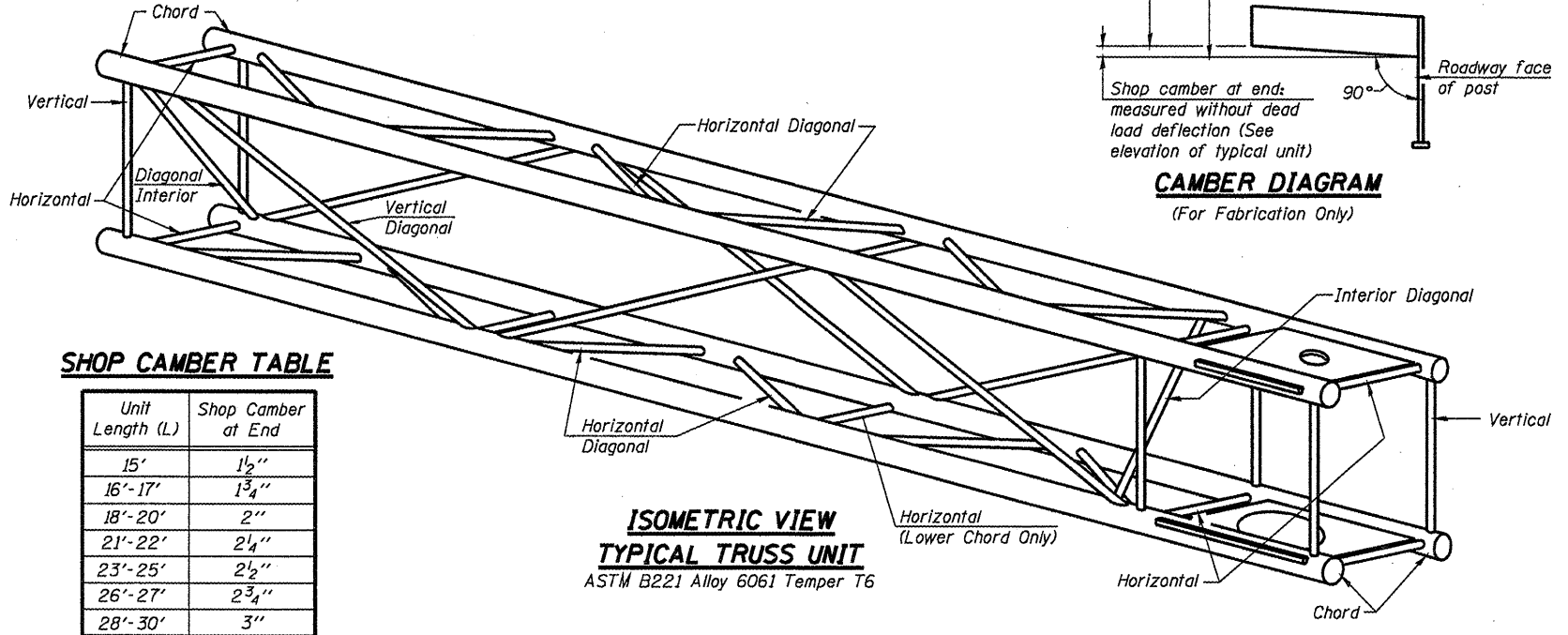
Note: There are twice as many horizontal diagonals as there are vertical diagonals.

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"

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

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
3C050S023R018.8	174+15	II-C-A	42'-0"	8	4'-11 1/8"
3C050S023L018.9	166+81	II-C-A	46'-0"	9	4'-8 5/16"



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 7-1-10

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CANTILEVER SIGN STRUCTURES - TRUSS DETAILS ALUMINUM TRUSS & STEEL POST	F.A.I. RTE. VAR	SECTION D-3 OVD SIN STR REPL II-34	COUNTY VAR	TOTAL SHEETS 16	SHEET NO. 8
CONTRACT NO. 46159	SCALE: _____	SHEET NO. 2 OF 5 SHEETS	STA. _____ TO STA. _____			ILLINOIS				

**LOCATIONS 1 AND 2
 THIS SHEET FOR INFORMATION ONLY**