

Note:

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

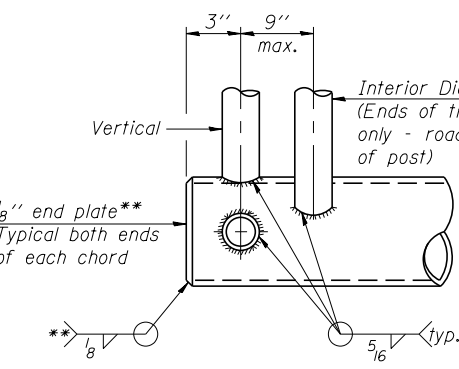
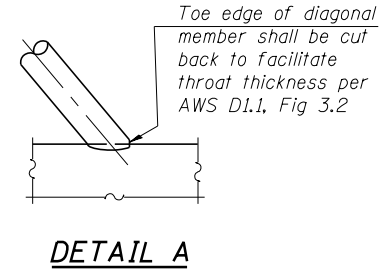
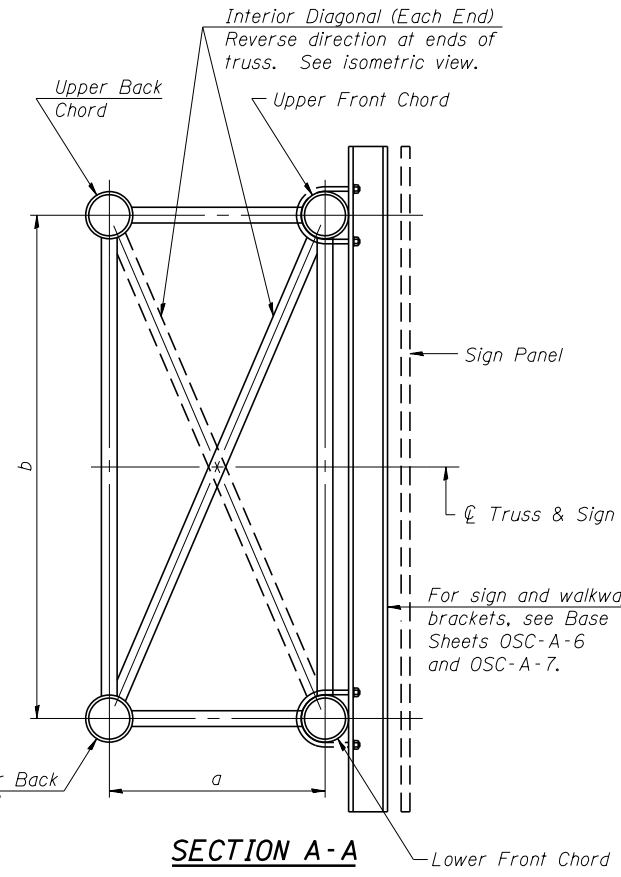
There are twice as many horizontal diagonals as there are vertical diagonals.

TRUSS UNIT TABLE

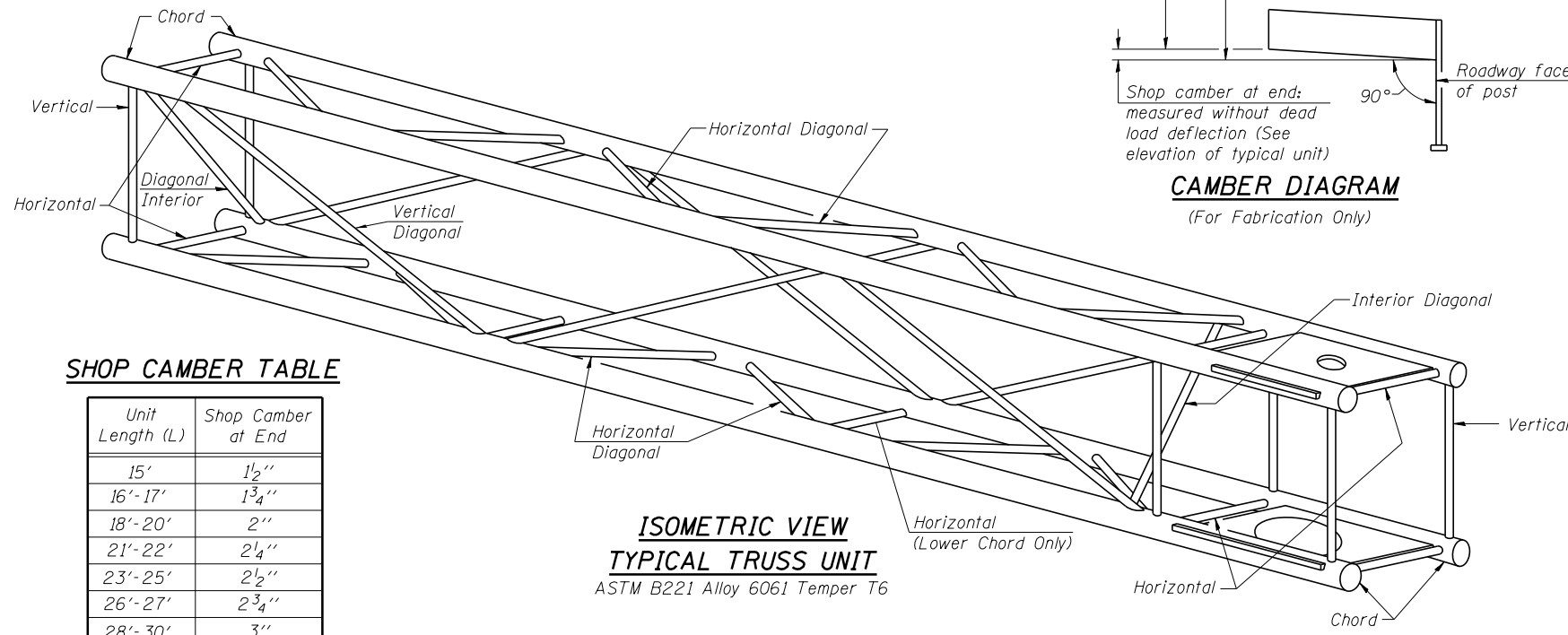
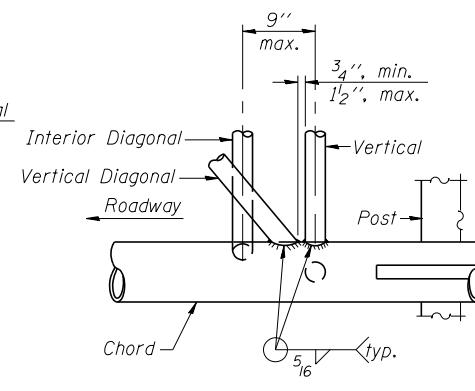
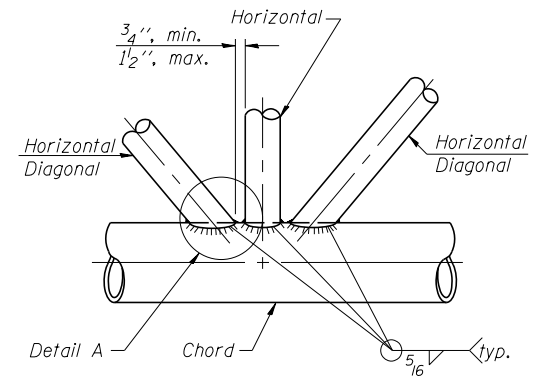
Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)*	Up. & Low. Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
I-C-A	24"	54"	16"	36" min. to 48" max.	5"	5/16"	2 1/2"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6 1/2"	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)*
2C081LRIVR000.7	3010+20.00	II-C-A	14'-0"	3	4'-0"
2C081LRIVL000.6	3019+40.00	II-C-A	14'-0"	3	4'-0"

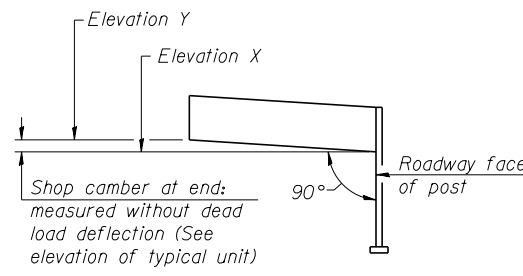


** Contractor may alternatively use standard aluminum drive-fit cap to close ends. 1/2" Ø Drain hole in end plate / drive-fit cap.



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"



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OSC-A-2 6-1-12

FILE NAME = ArtCantDMS-TBD-100-ArtCantDMSuppl01.dgn	USER NAME = knous	DESIGNED - MFB/MFH	REVISED -
MODEL = E 02 OSC-A-2 Cantilever Sign Structures	PLOT SCALE =	CHECKED - KJN	REVISED -
PLOT DATE = 3/6/2014		DRAWN - MFB	REVISED -
		CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS ARTERIAL DMS POLE
CANTILEVER SIGN STRUCTURES - TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
575E	(81-1M)	ROCK ISLAND	217	139
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J68	

SHEET NO. 2 OF 11 SHEETS

ITS-13

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3/6/2014