

TYPICAL TRUSS UNIT

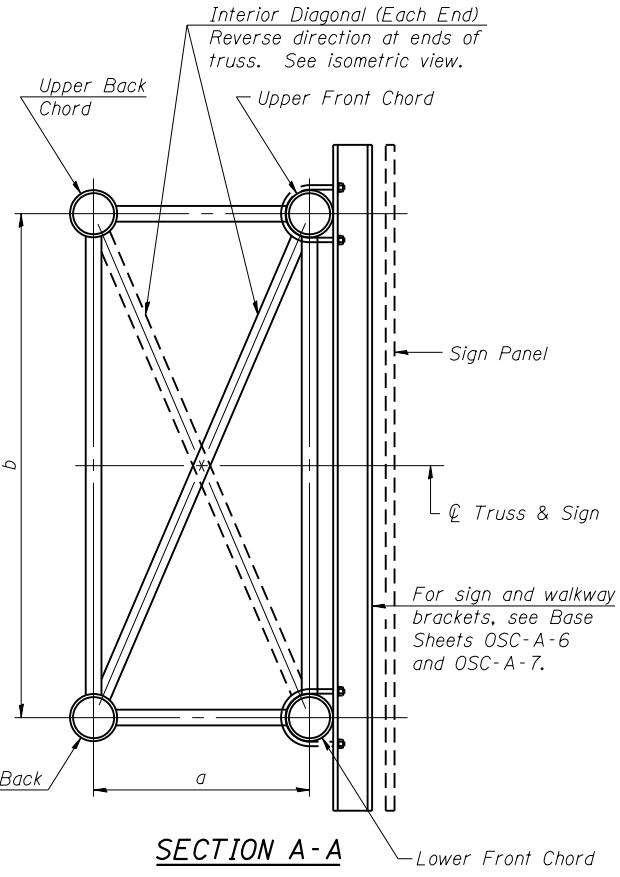
Note: For Section B-B and Section C-C, see Base Sheet OSC-A-3.

TRUSS UNIT TABLE

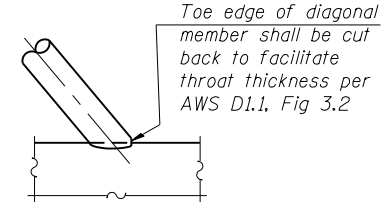
Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)*	Up. & Low. Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
I-C-A	24"	54"	16"	36" min. to 48" max.	5"	5/16"	2 1/2"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6 1/2"	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 = $\frac{L-s-3"}{\# \text{ Panels}}$

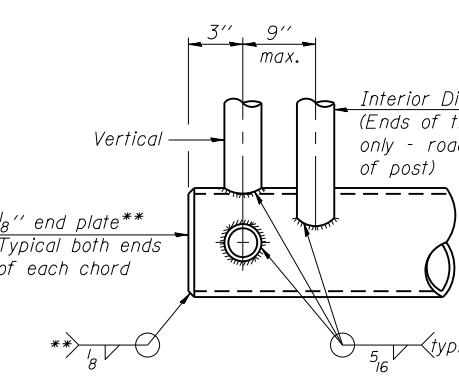
Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
2C10IS002L008.2	434+55	III-C-A	40'-0"	8	57"



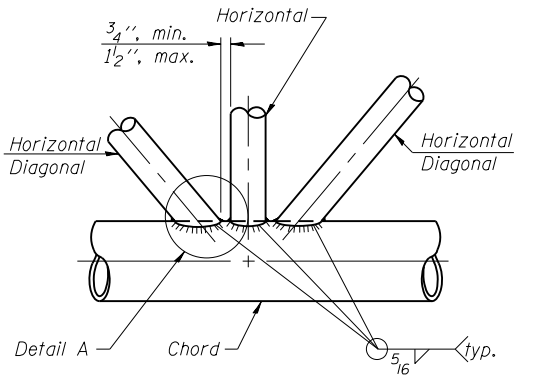
SECTION A-A



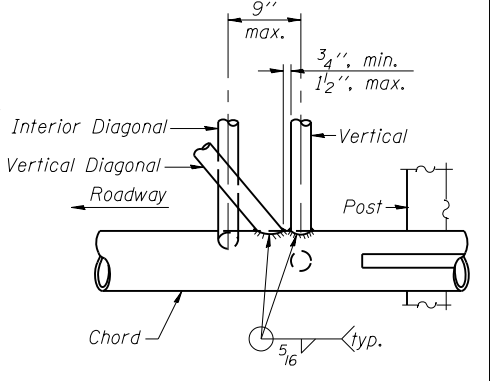
DETAIL A



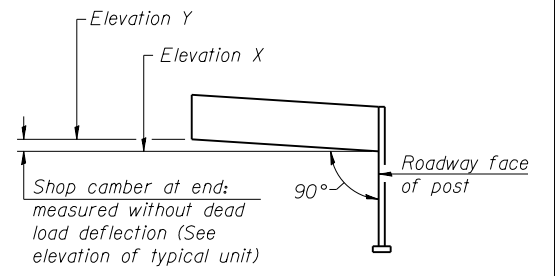
CANTILEVER END JOINT DETAIL



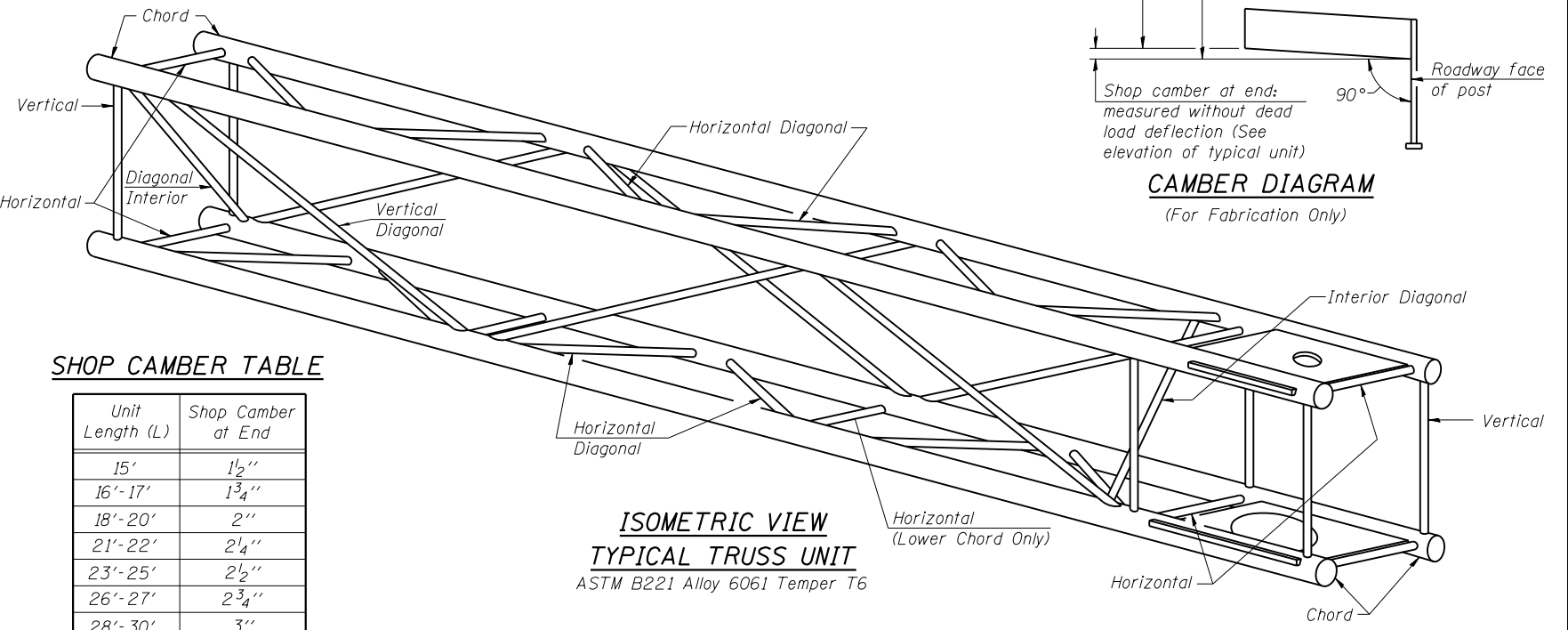
TRUSS INTERIOR JOINT DETAIL



POST END JOINT DETAIL



CAMBER DIAGRAM



**ISOMETRIC VIEW
TYPICAL TRUSS UNIT**

ASTM B221 Alloy 6061 Temper T6

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

6-1-12

DESIGNED -	EXAMINED	DATE -
CHECKED -	ENGINEER OF BRIDGE DESIGN	
DRAWN -	PASSED	REVISED
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	(32,33) R-1	WINNEBAGO	705	553
				CONTRACT NO. 64821

SHEET NO. 2 OF 9 SHEETS

ILLINOIS FED. AID PROJECT