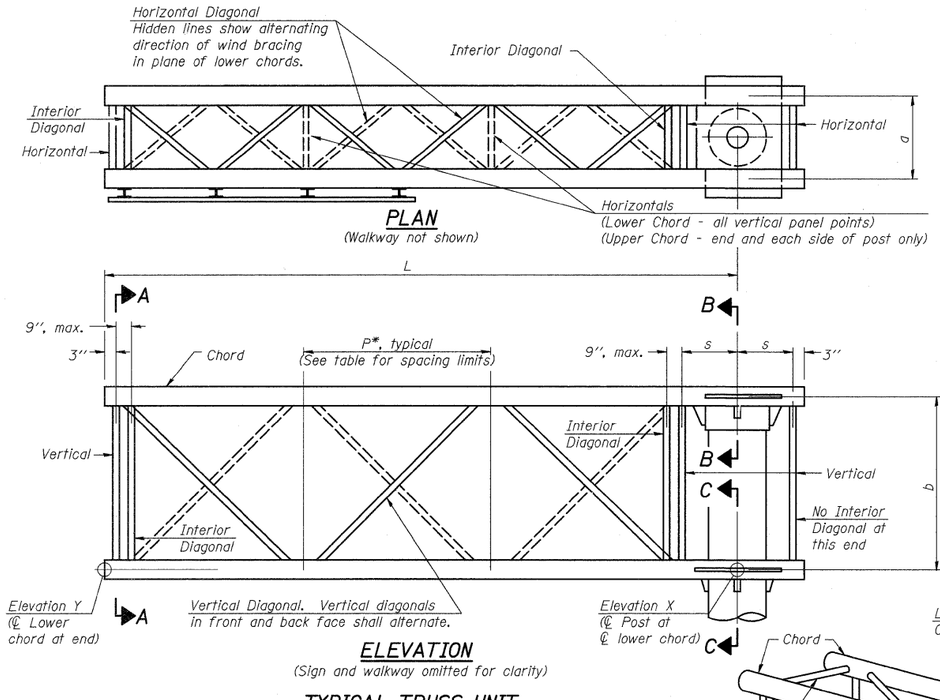


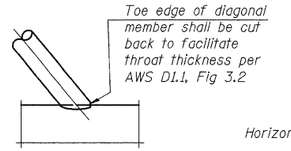
PLAN
(Walkway not shown)

ELEVATION
(Sign and walkway omitted for clarity)

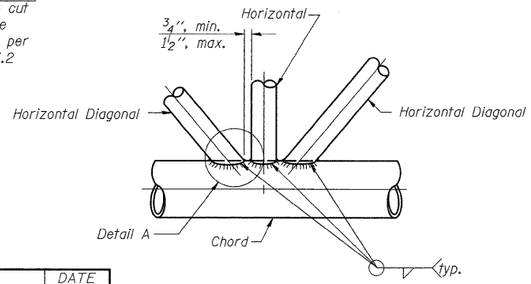
TYPICAL TRUSS UNIT
For Section B-B and Section C-C, see Base Sheet OSC-A-3.

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

SECTION A-A



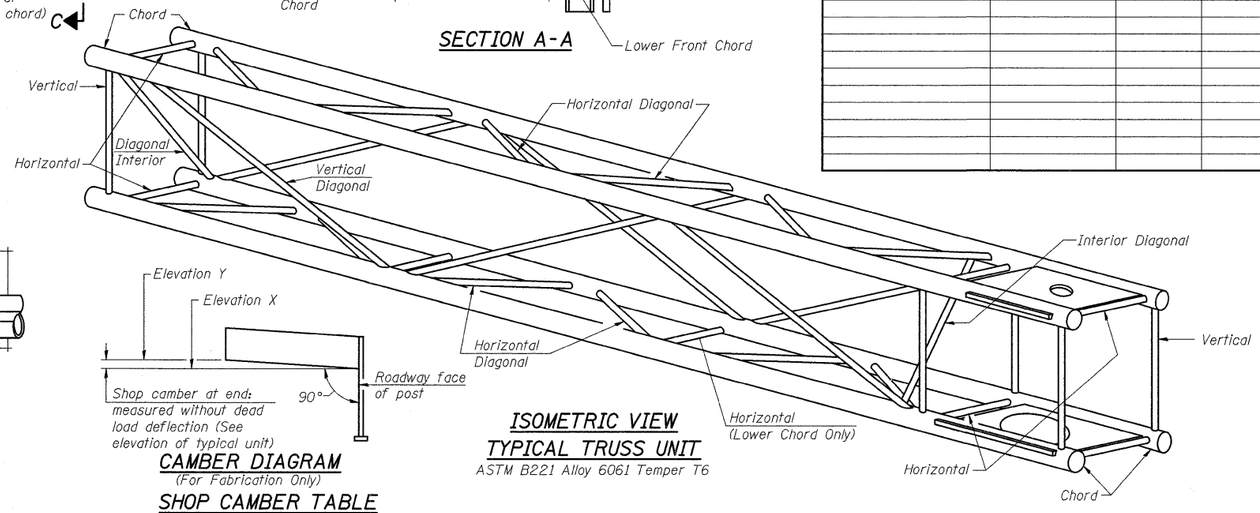
DETAIL A



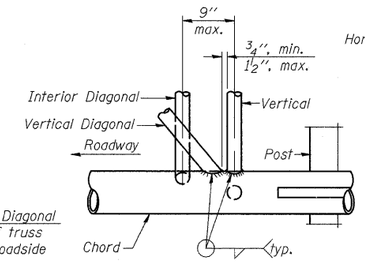
TRUSS INTERIOR JOINT DETAIL

NUMBER	REVISION	DATE

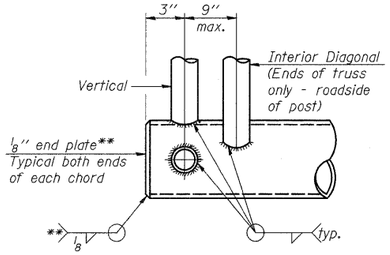
Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
2C081I080R000.4	55+40.00	III-C-A	39.75 Ft	7	65''



ISOMETRIC VIEW
TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6



POST END JOINT DETAIL



CANTILEVER END JOINT DETAIL
** Contractor may alternatively use standard aluminum drive-fit cap to close ends.

CAMBER DIAGRAM
(For Fabrication Only)

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''

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''

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

OSC-A-2 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

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CANTILEVER SIGN STRUCTURES
TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

FILE NAME = c:\pw_work\pwidot\grantpm\dms34287\d0840 3signstruc.dgn	USER NAME = grantpm	DESIGNED -	REVISED -
	PLOT SCALE = 5.0000 ' / IN.	DRAWN -	REVISED -
	PLOT DATE = Mon Dec 15 08:26:08 2008	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN STRUCTURE DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1)R-1	ROCK ISLAND	288	173
		CONTRACT NO. 64933		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Mon Dec 15 08:26:08 2008 $NAME$
$FILE$