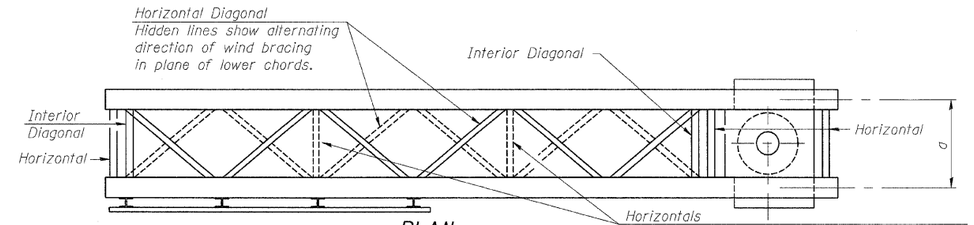
*SEC. 99 (1&2) R 3&9-1HB-1-BR2

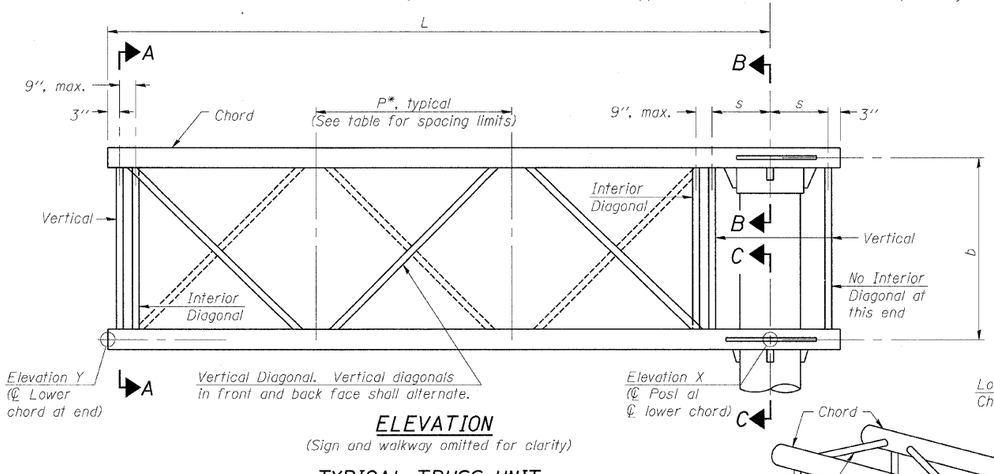
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	*	WILL	303	94
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
11 SHEETS

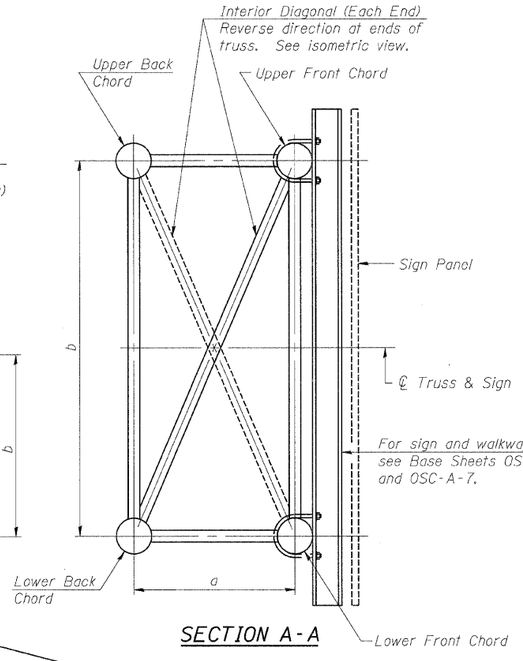
Contract #62253



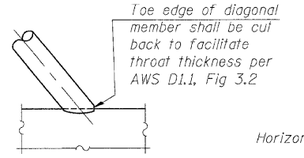
PLAN
(Walkway not shown)



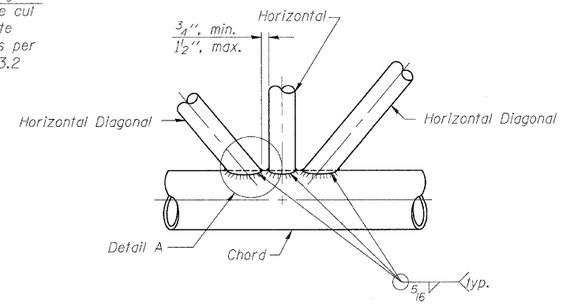
ELEVATION
(Sign and walkway omitted for clarity)



SECTION A-A

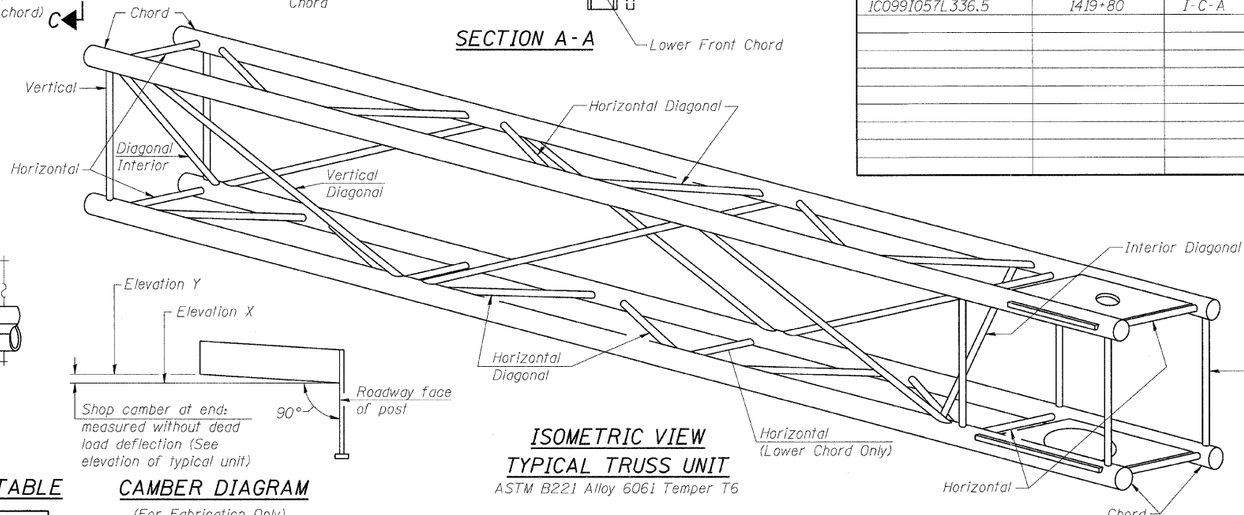


DETAIL A



TRUSS INTERIOR JOIT DETAIL

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
1C099I057L335.4	1366+16.50	II-C-A	25'-0"	6	3'-10 1/2"
1C099I057L336.0	1393+40	II-C-A	25'-0"	6	3'-10 1/2"
1C099I057L336.5	1419+80	I-C-A	25'-0"	6	3'-10 1/2"

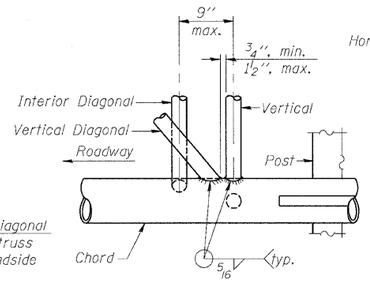


ISOMETRIC VIEW
TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6

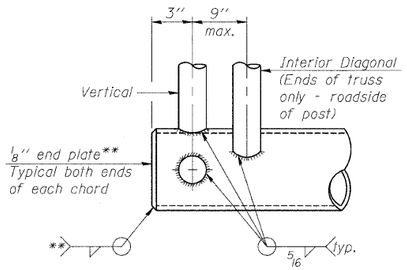
TYPICAL TRUSS UNIT

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.



POST END JOINT DETAIL



CANTILEVER END JOINT DETAIL

** Contractor may alternatively use standard aluminum drive-fit cap to close ends.

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"

CAMBER DIAGRAM
(For Fabrication Only)

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 = (L - s - 3") / # Panels

NUMBER	REVISION	DATE

CANTILEVER SIGN STRUCTURES
TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

MANHATTAN-MONEE ROAD (CH-6)
OVER I-57
F.A. I-57 SEC. 99(1&2) R 3&9-1HB-1-BR2
WILL COUNTY STA.14037+43.90
STRUCTURE NUMBER 099-4647

Clark Dietz ENGINEERS
DESIGN FIRM REGISTRATION No. 184-000450
1817 SOUTH NEIL STREET SUITE 100
CHAMPAIGN, IL 61820
PHONE : 217.373.8900
FAX : 217.373.8923

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

ACTIVITY	INITIALS	
DESIGNED BY:	SLD	PROJECT NO: 102230
DRAWN BY:	SLD/AJP	DATE: 06/2008
CHECKED BY:	SLD	
APPROVED BY:	TMW	

DRAWING NUMBER
OSC-2