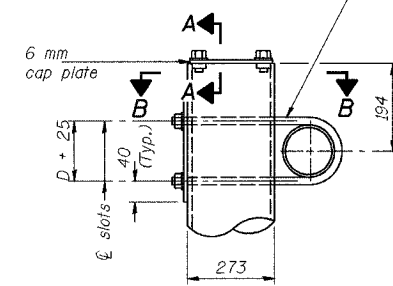


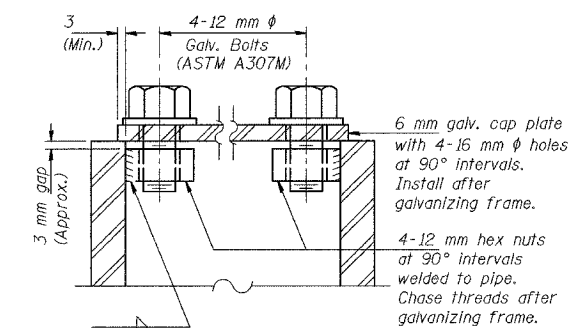
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	PEORIA	1360	1301
STA.		TO STA.		
ILLINOIS REGION		ILLINOIS PROJECT		
* (72-7)R-3		CONTRACT NO. 68200		

19 mm  $\phi$  U-bolt Provide two washers and two hexagon locknuts. (4)  
21 mm x 51 mm slots on  $\phi$  DN 250 pipe. (4 slots required per pipe)

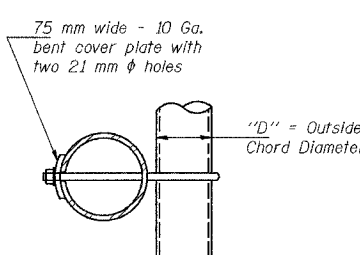


DETAIL A

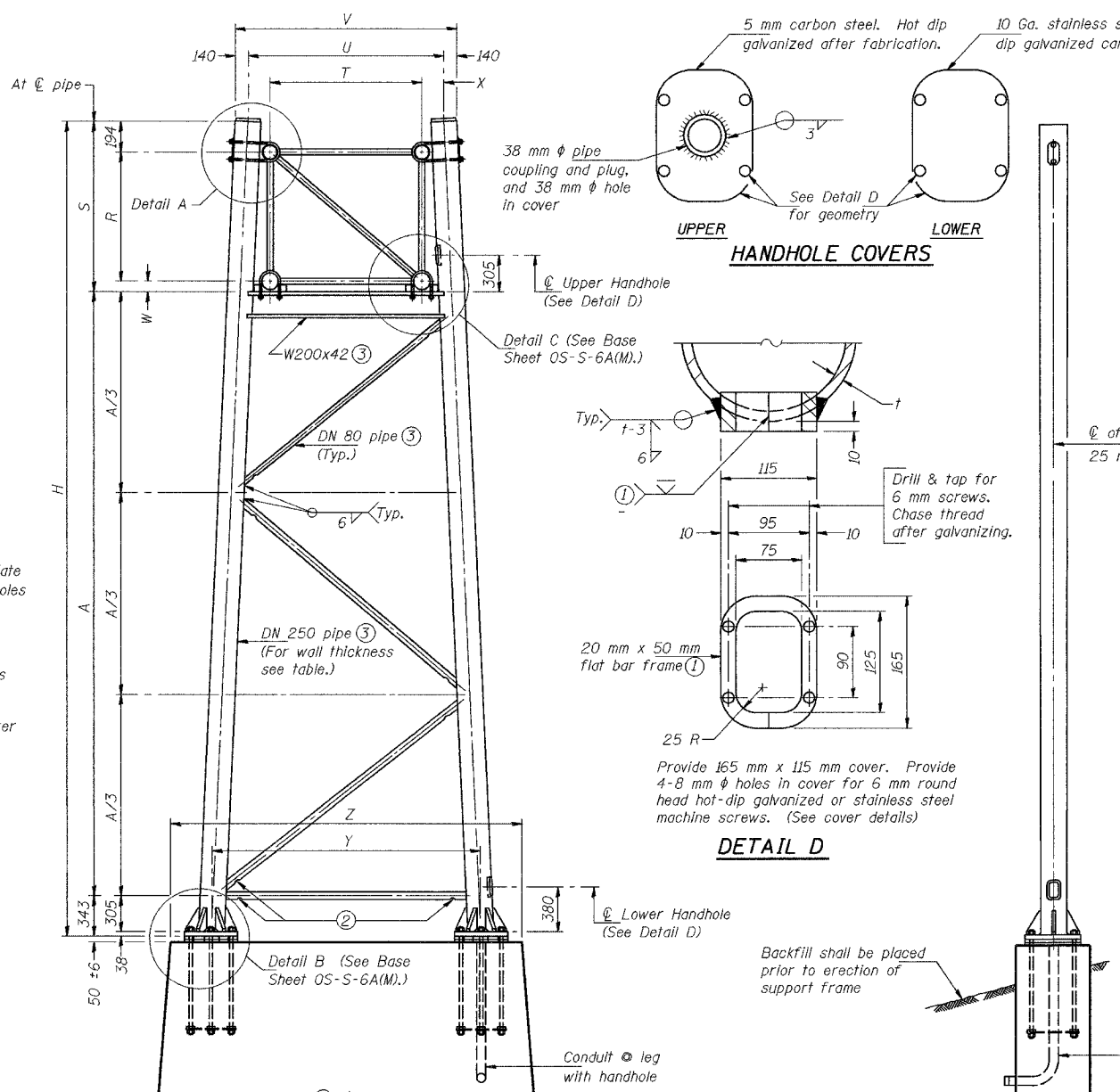


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B

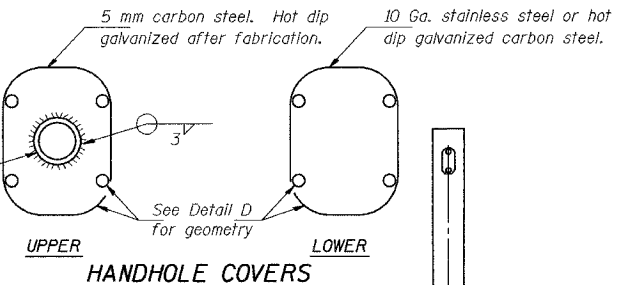


FOR FOUNDATION DETAILS SEE BASE SHEET OS-F3(M) (Spread Footing) or OS4-F3(M) (Drilled Shaft).

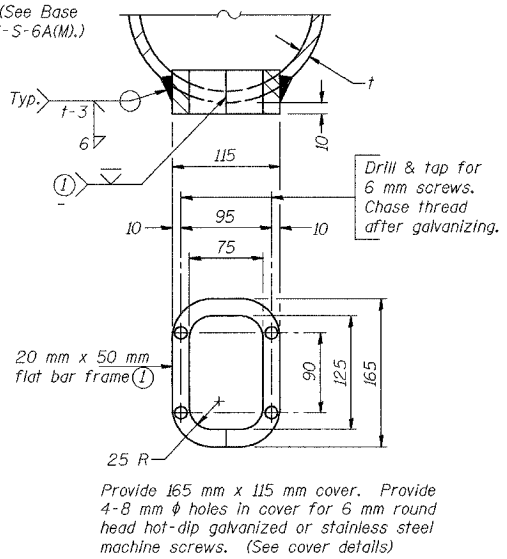
SIDE ELEVATION

DN 250 PIPE TRUSS SUPPORT FRAME

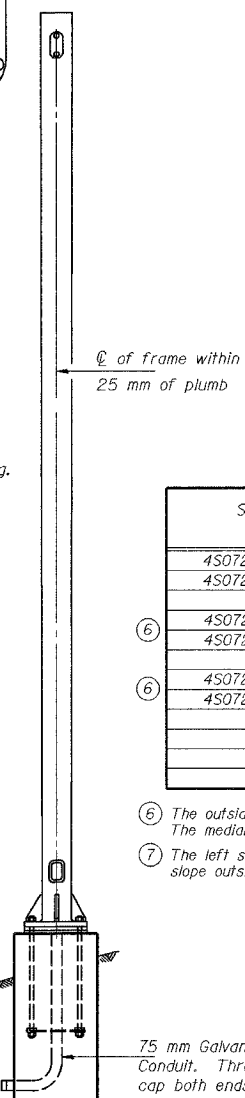
Truss Type	Dimensions								
	R (m)	S (m)	T (m)	U (m)	V (m)	W (mm)	X (mm)	Y (m)	Z (m)
I-S	1.37	1.66	1.22	1.68	1.96	100	230	2.52	3.28
II-S (5)	1.60	1.91	1.37	1.85	2.13	120	240	2.52	3.28



HANDHOLE COVERS



DETAIL D



END ELEVATION

Support Design Loads: See Base Sheet OS-S-1(M) for design and loading criteria.  
Load combinations checked include deadload plus:  
a) 100% wind normal to sign, 20% parallel to sign  
b) 60% wind normal to sign, 30% parallel to sign

- In lieu of fabricated handhole frame as shown, may cut from 50 mm plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 12.7  $\mu$ m or less.
- Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred. (Typ.)
- Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-S-1(M).
- See General Notes for fasteners.
- Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

Structure Number	Station	Support (7)	Truss Type	Pipe Wall Thickness	H (m)	A (m)
4S072I074L089.3	143+798.000	✓	I-S	7	6.713	4.710
4S072I074L089.3	143+798.000	✓	I-S	7	8.390	6.387
4S072I074L089.4	144+154.000	✓	I-S	7	7.210	5.207
4S072I074L089.4	144+154.000	✓	I-S	7	7.427	5.424
4S072I074L089.7	144+540.000	✓	I-S	7	7.130	5.127
4S072I074L089.7	144+540.000	✓	I-S	7	7.935	5.932

- The outside foundation, end supports, truss and signing are included in this contract. The median foundation was provided in a previous contract.
- The left support is located at the median barrier and the right support is located in the slope outside the roadway.

NUMBER	REVISION	DATE

SIGNING SHEET 53 OF 83

OVERHEAD SIGN STRUCTURES  
SUPPORT FRAME for STEEL TRUSS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN  
W.B. I-74 STA. 143+798, S.N. 4S072I074L089.3  
W.B. I-74 STA. 144+154, S.N. 4S072I074L089.4  
W.B. I-74 STA. 144+540, S.N. 4S072I074L089.7

PEORIA CO., IL.

DATE: II-II-04

DESIGNED	RJW	2004
CHECKED	KJN	EXAMINED
DRAWN	RJW	PASSED
CHECKED	KJN	ENGINEER OF BRIDGES AND STRUCTURES

OS-S-6(M) 10/1/2001

M:\Proj\3573\Sign Structures\Contract 10/sp1001-7Aoh-sfl.dgn