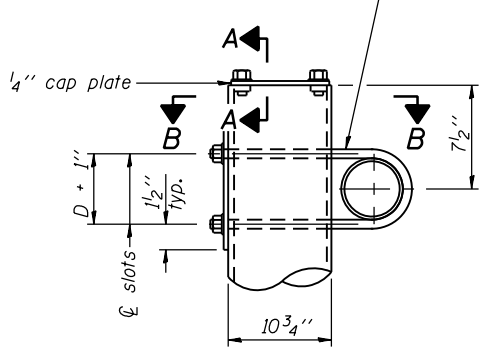
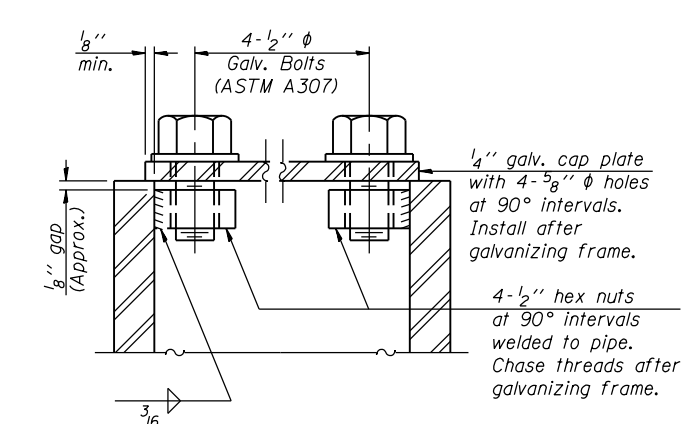


$\frac{3}{4}$ " ϕ stainless steel U-bolt.
Provide two washers and two hexagon locknuts. (4)
 $\frac{13}{16}$ " x 2" slots on ϕ 10" ϕ pipe.
(4 slots required per pipe)

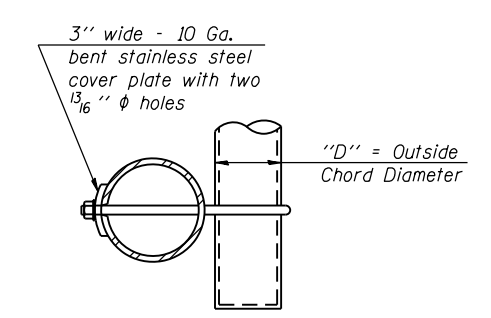


DETAIL A

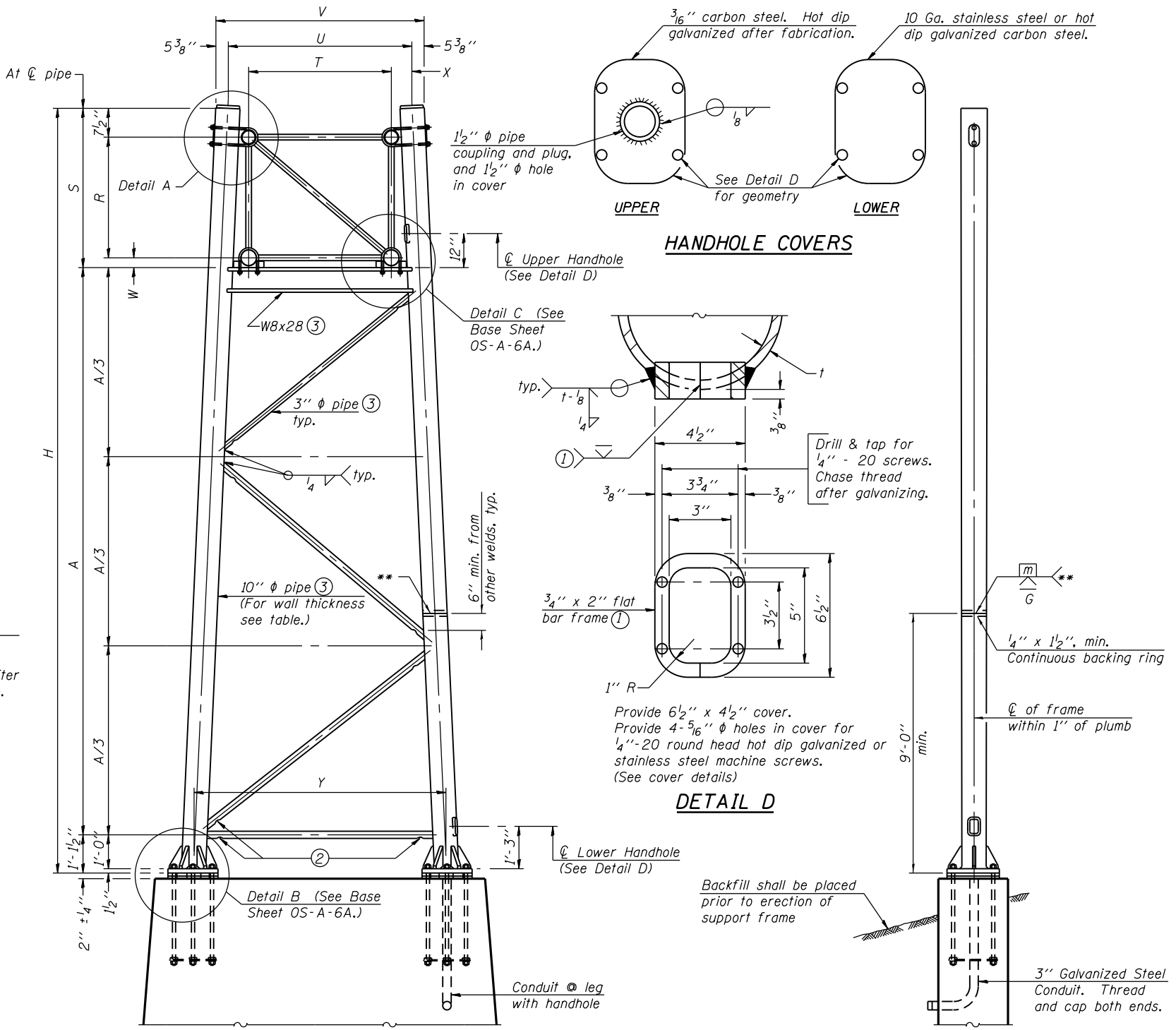


SECTION A-A

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



SECTION B-B



SIDE ELEVATION

For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

10" ϕ PIPE TRUSS SUPPORT FRAME

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
II-A (5)	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"

Support Design Loads: See Base Sheet OS-A-1 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 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μ 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-A-1.
- 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.
- "H" based on 15'-0" or actual sign height, whichever is greater.

END ELEVATION

D-2 Inventory #	Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H (6)	A
			Left	Right				
SN-101	2S0811088R015.3		x		II-A	0.365" (std)	29'-0"	21'-7 1/4"
SN-101	2S0811088R015.3			x	II-A	0.5"	33'-10"	26'-5 1/4"
SN-104	2S0811088L016.0		x		I-A	0.365"	31'-8"	25'-1"
SN-104	2S0811088L016.0			x	I-A	0.279"	30'-5"	23'-10"
SN-126	2S08IS005R011.2		x		I-A	0.279"	26'-8"	20'-1"
SN-126	2S08IS005R011.2			x	I-A	0.365"	33'-0"	26'-5"
SN-147	2S08IS092L028.0		x		I-A	0.365"	31'-6"	24'-11"
SN-147	2S08IS092L028.0			x	I-A	0.279"	29'-3"	22'-8"

OS-A-6

6-1-12

HBM
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USER NAME =
DESIGNED - JMG
CHECKED - JJS
PLOT SCALE =
DRAWN - AI
PLOT DATE = 3/12/2014
CHECKED - MAI
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS**

F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
VAR. * ROCK ISLAND 45 34
* 0-2 OVD SIN STR REPL 14-26 CONTRACT NO. 46287
ILLINOIS FED. AID PROJECT