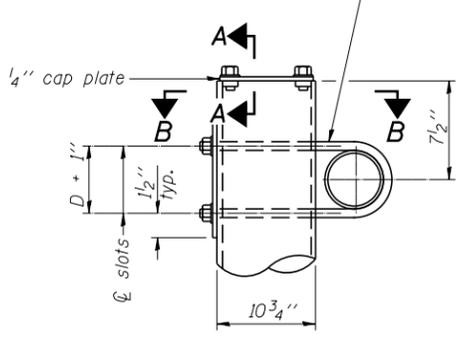
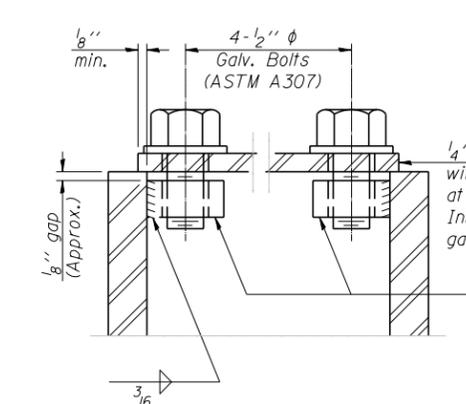


3/4" φ stainless steel U-bolt.
Provide two washers and two hexagon locknuts. (4)
1 3/16" x 2" slots on 10" φ pipe.
(4 slots required per pipe)

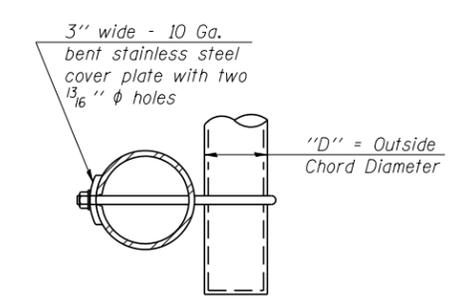


DETAIL A

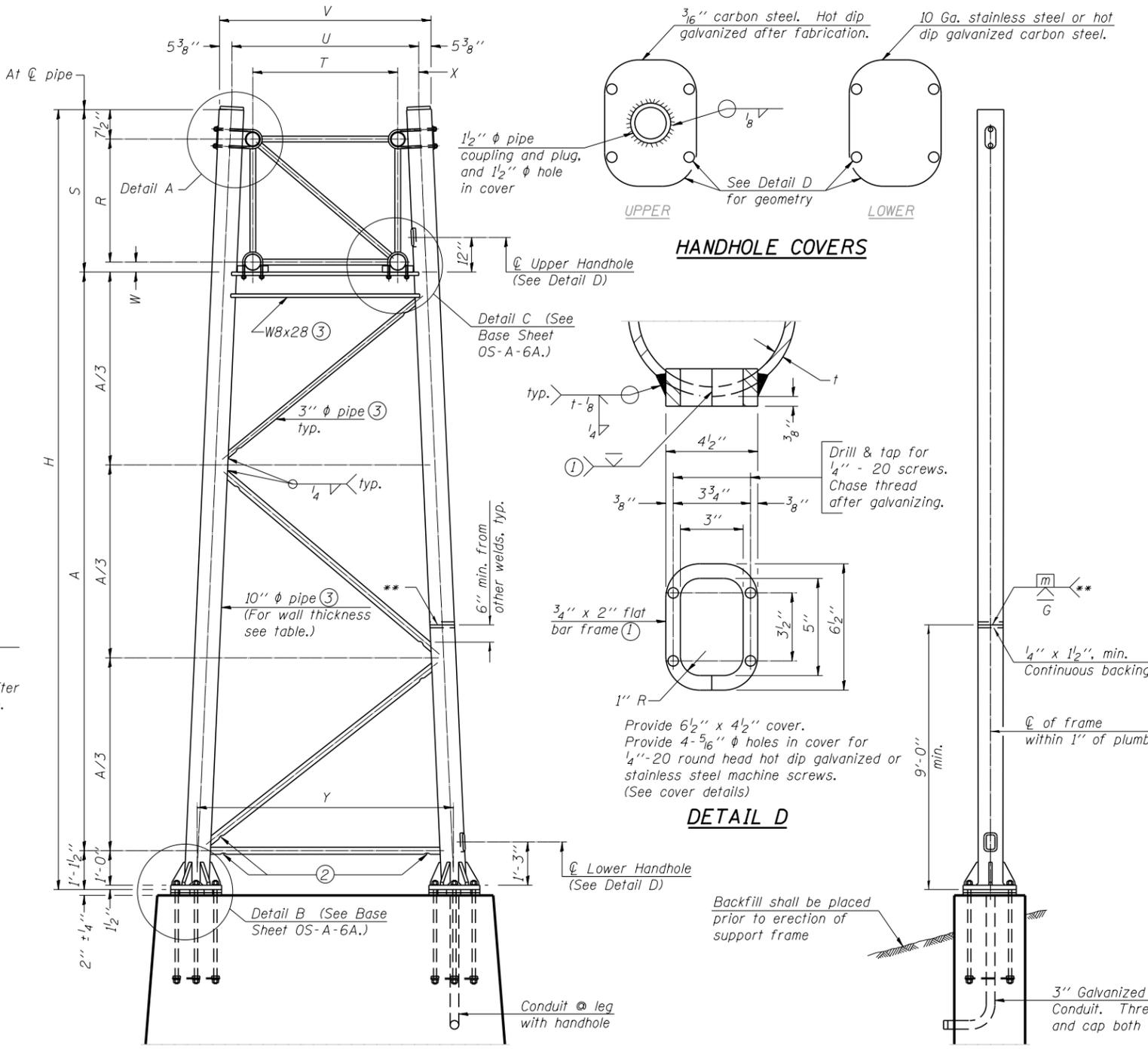


SECTION A-A

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

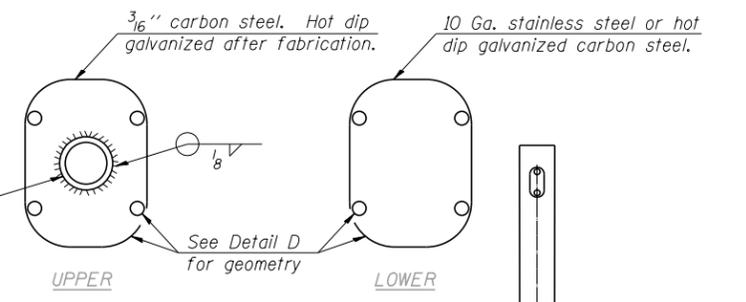


SECTION B-B

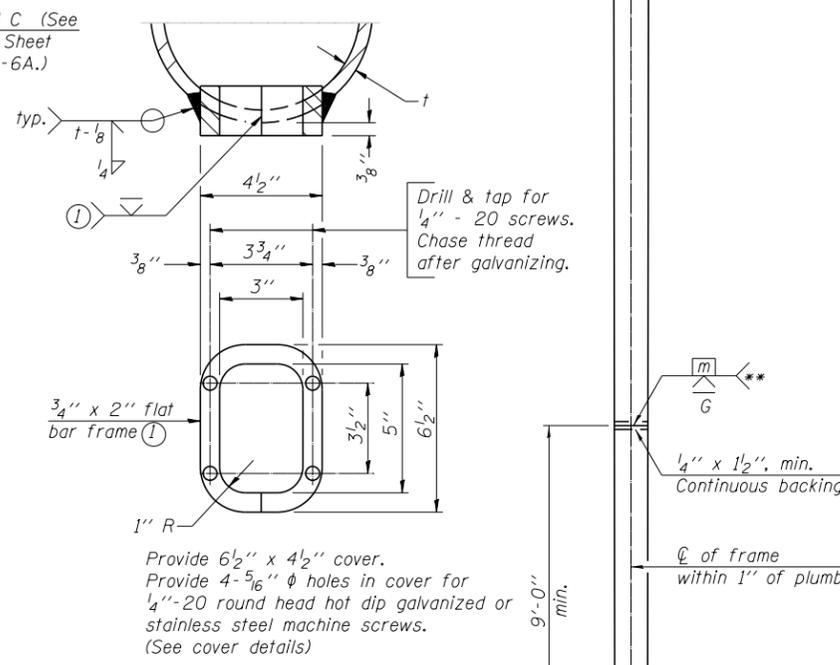


For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION



HANDHOLE COVERS



DETAIL D

END ELEVATION

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

- ① 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 μin or less.
- ② 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.
- ③ 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.
- ④ See General Notes for fasteners.
- ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.

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"

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.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H ⑥	A
		Left	Right				
4S090I074L100.0	482+66.50	X		I-A	0.279"	26.28'	19.70'
4S090I074L100.0	482+66.50		X	I-A	0.279"	28.17'	21.59'
4S090I074R100.3	498+50.00	X		II-A	0.365"	25.64'	18.24'
4S090I074R100.3	498+50.00		X	II-A	0.365"	28.09'	20.69'
4S090I074R100.6	515+50.00	X		II-A	0.365"	25.64'	18.24'
4S090I074R100.6	515+50.00		X	II-A	0.365"	27.87'	20.47'

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312-565-0450 Job No. 10056

OS-A-6 6-1-12

FILE NAME =	USER NAME = mbecker	DESIGNED - MFB	REVISED -
xxxxxx_68620_07_fm3.dgn		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - MFB	REVISED -
	PLOT DATE = 7/16/2012	CHECKED - KJN	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-[14R(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1627
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

SHEET NO. SS7 OF SS32 SHEETS

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