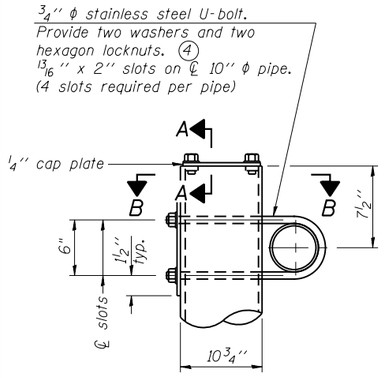
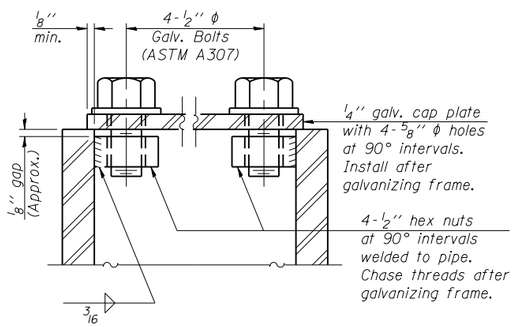
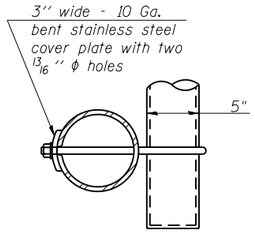


DETAIL A

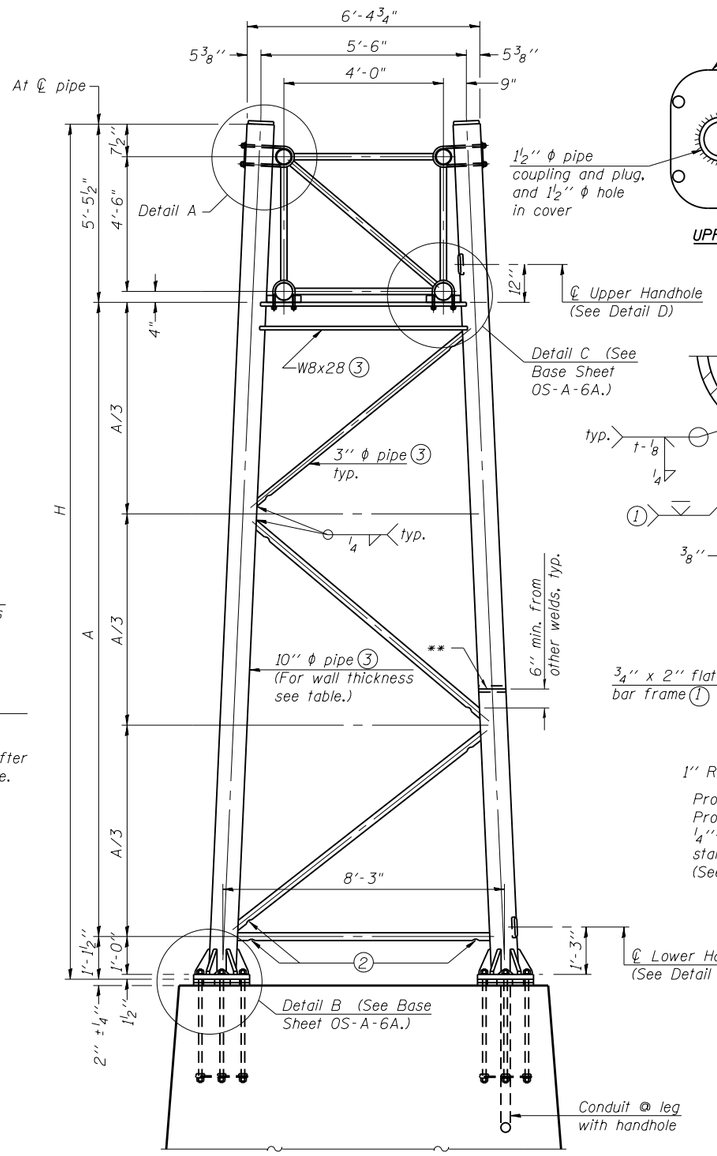


SECTION A-A

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

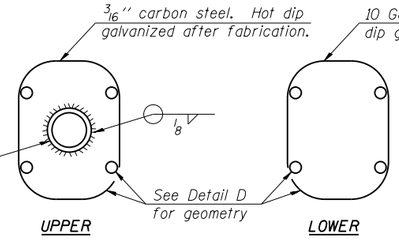


SECTION B-B

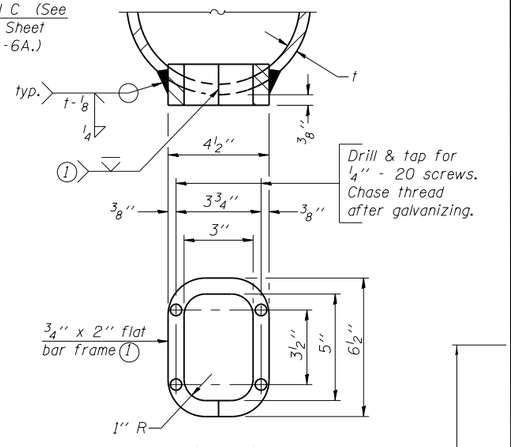


For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

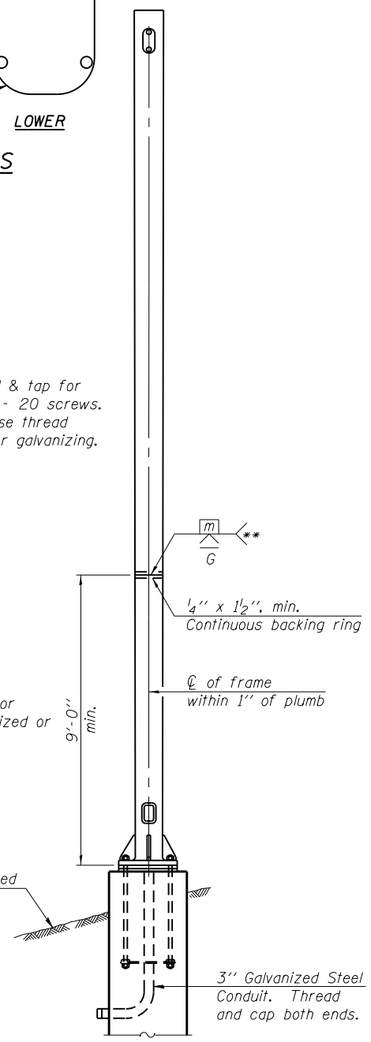
SIDE ELEVATION



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.

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				
IS016I094L000.0-001	2208+36	X		I-A	0.365"	24'-8"	18'-1"
IS016I094L000.0-001	2208+36		X	I-A	0.365"	30'-7"	24'-0"
IS016I094R000.0-002	79+80	X		I-A	0.365"	26'-11"	20'-4"
IS016I094R000.0-002	79+80		X	I-A	0.365"	25'-11"	19'-4"
IS016I094R000.0-002	97+50	X		I-A	0.365"	27'-3"	20'-8"
IS016I094R000.0-002	97+50		X	I-A	0.365"	25'-9"	19'-2"
IS016I094R000.0-001	602+17	X		I-A	0.365"	25'-2"	18'-7"
IS016I094R000.0-001	602+17		X	I-A	0.365"	27'-2"	20'-7"

OS-A-6 6-1-12

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com

USER NAME =	DESIGNED - JGC	REVISED -
	CHECKED - BAK	REVISED -
PLOT SCALE =	DRAWN - JGC	REVISED -
PLOT DATE = 03/29/2013	CHECKED - TL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS
SHEET NO. S-5 OF S-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	249
		CONTRACT NO. 60J12		
	ILLINOIS FED. AID PROJECT			