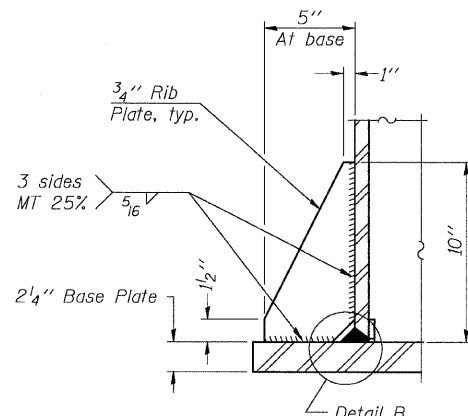
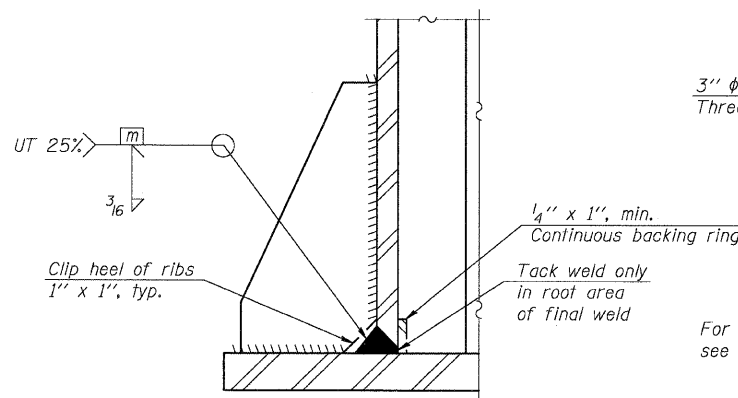


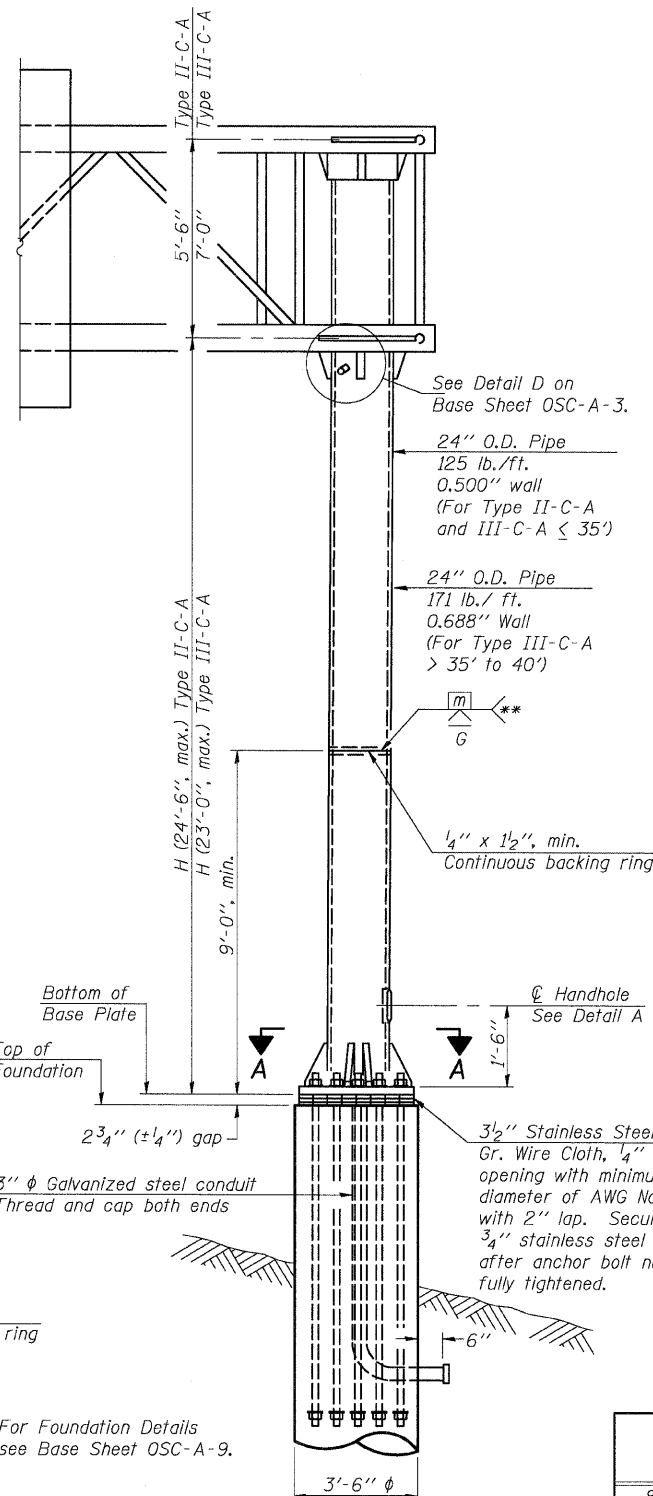
**SECTION A-A**



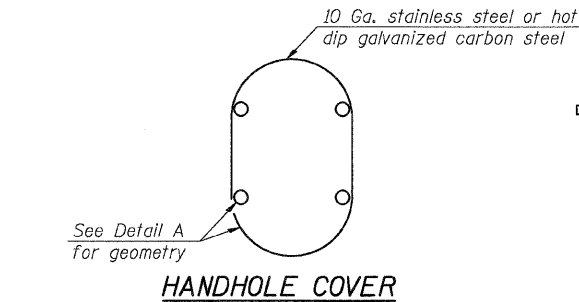
**SECTION B-B**



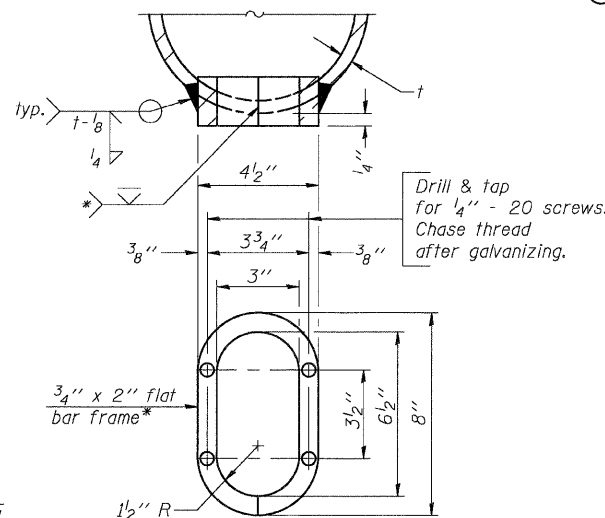
**DETAIL B**  
(Typical rib)



**FRONT ELEVATION**



**HANDHOLE COVER**

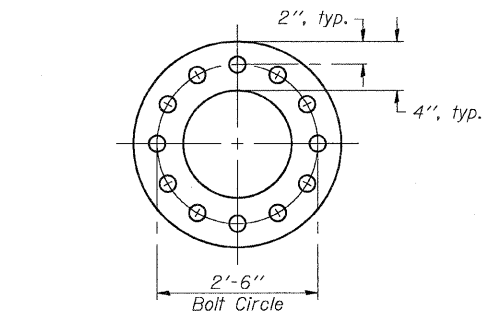


**DETAIL A**

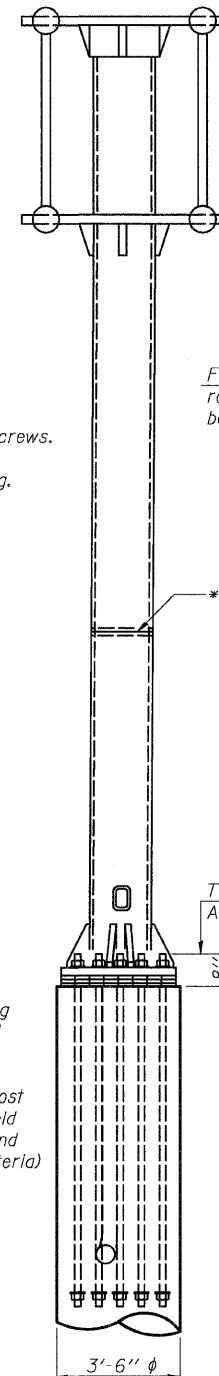
Provide 8" x 4 1/2" cover. Outside corners = 2 1/4" radius. Provide 4-5/16"  $\phi$  holes in cover for 1/4" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

\* Bent bars may be butt welded top and bottom or bottom only. 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  $\mu$ in or less.

\*\* Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



**SUGGESTED POSITIONING PLATE**



**SIDE ELEVATION**

For UT, grind top of rod square and smooth before galvanizing.

Utilize positioning plate and temporary nuts with leveling nuts or other Engineer approved methods to maintain anchor bolts' alignment during concrete placement. Plate, extra nuts and other positioning aids become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.

Protect threads during concreting with tape, sleeves, or other means.

\*\*\* 18" is minimum to be galvanized. Entire rod may be galvanized at Contractor's option.

All Thread = NC (National Coarse)

Provide 1 uncoated nut per rod. Deform thread or use chemical thread lock to secure.

**ANCHOR ROD DETAIL**

Anchor rods shall conform to AASHTO M314 Grade 105 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 10° F. before galvanizing. Galvanize the upper 18" (minimum\*\*\*). Provide an unfinished nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, using a straight beam, 1/2"  $\phi$  3.5 mhz. transducer, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

Structure Number	Station	H
8C0601055R008.8	392+25	23'-4"

Note: "H" based on 15'-0" or actual sign height, whichever is greater.

NUMBER	REVISION	DATE

**Coombe-Bloxdorf P.C.**  
 - CIVIL ENGINEERS -  
 - STRUCTURAL ENGINEERS -  
 - LAND SURVEYORS -  
 Design Firm License No. 184-002703

OSC-A-5 12-1-08

SHEET NO. 5 19 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	60-(5,6,7)RS, 60-(6,7)BR	MADISON	185	149
CONTRACT NO. 76C56					
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

**CANTILEVER SIGN STRUCTURES  
 TYPE II-C-A & III-C-A TRUSS SUPPORT POST  
 ALUMINUM TRUSS & STEEL POST**

**F.A.I. ROUTE 70, SEC. 60-(5,6,7)RS, 60-(6,7)BR  
 MADISON COUNTY**

PLOT DATE = 09/14/2009  
 PLOT SCALE = 1" = 10'-0"  
 PLOT NAME = OSC-A-5.dgn  
 USER NAME = CFC