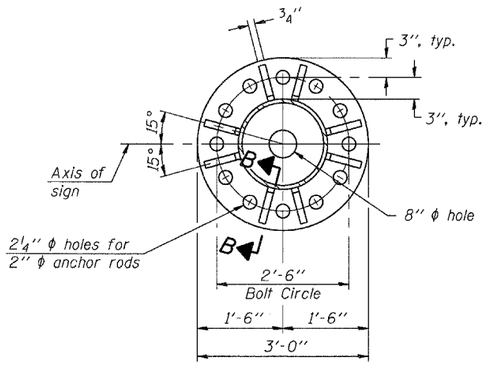
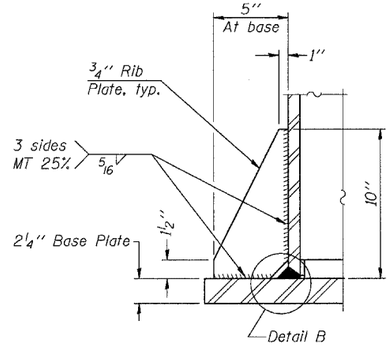
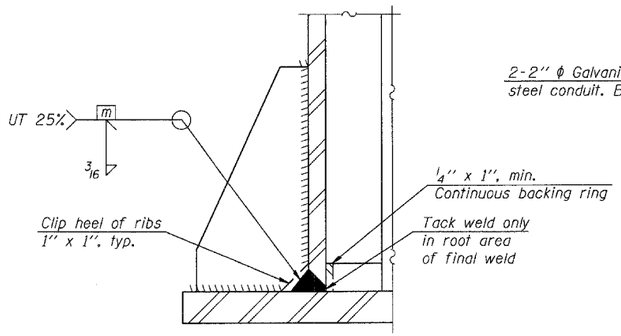


SECTION A-A

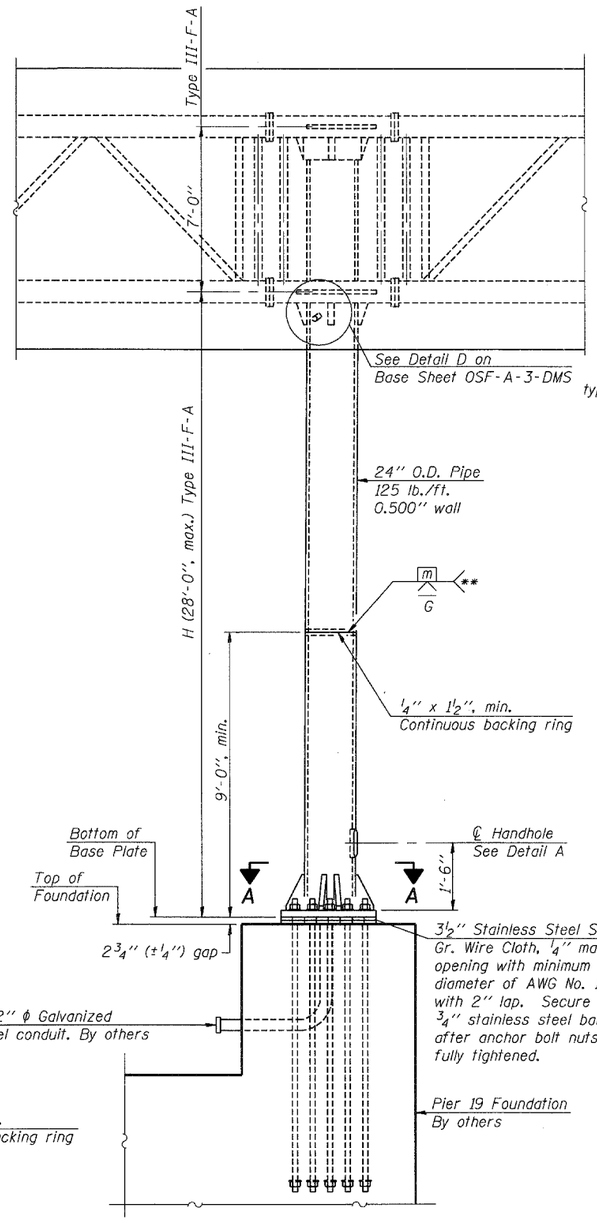


SECTION B-B

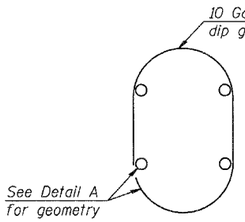


DETAIL B

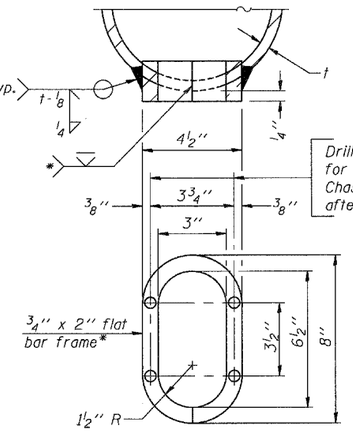
(Typical rib)



FRONT ELEVATION



HANDHOLE COVER

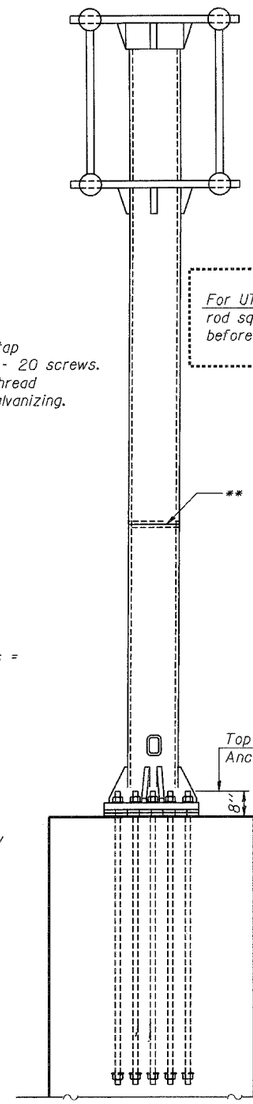


Provide 8" x 4 1/2" cover. Outside corners = 2 1/4" radius. Provide 4-5/16" ϕ holes in for 1/4" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

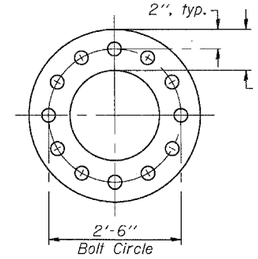
DETAIL A

* 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 m/in or less.

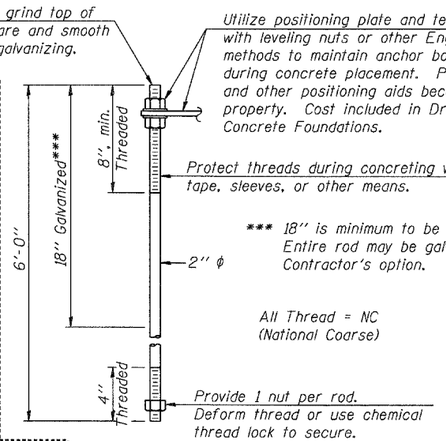
** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



SIDE ELEVATION



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18" (minimum***) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a 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" ϕ 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.

ANCHOR RODS BY OTHERS

Structure Number	Station	H
8F0821070R000.9	116+90	25'-9"

Note: "H" based on actual sign height.

OSF-A-5-DMS-SPECIAL

FILE NAME = $FILE1$	USER NAME = $USER$	DESIGNED - JLR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - JLR	REVISED -	PROPOSED RELOCATED IL ROUTE 3 INTERCHANGE
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - MDJ	REVISED -	BUTTERFLY SIGN STRUCTURES – TYPE II-F-A TRUSS SUPPORT POST FOR DMS ALUMNINUM TRUSS & STEEL POST
	PLOT DATE = $DATE$	DATE - 10/21/11	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-2-1K	ST. CLAIR	353	223
		CONTRACT NO. 76E06		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

\\DBCONN-11-BORDER\LDN\...\DBCONN-11-DESIGN.DGN
10-19-2011, 15:26:19
BDNDHUJD
\\FS-0044\VAM\VAULT.D-TRANS.07\2202\20868-001\STRUCTURE\CADD\01 DESIGN\SIGNSTRUCTURE\SHEET\DBCONN-11-SHT-SIGNSF.DGN