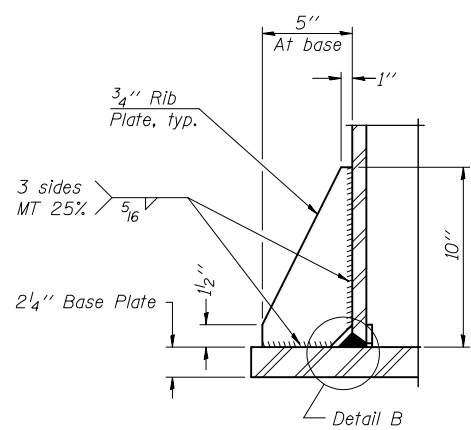
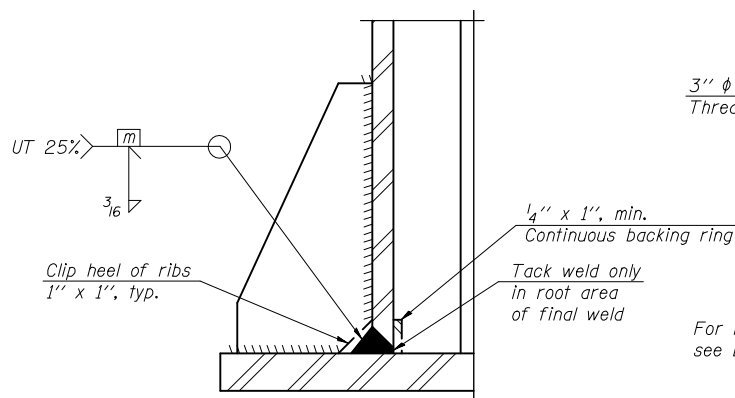


SECTION A-A

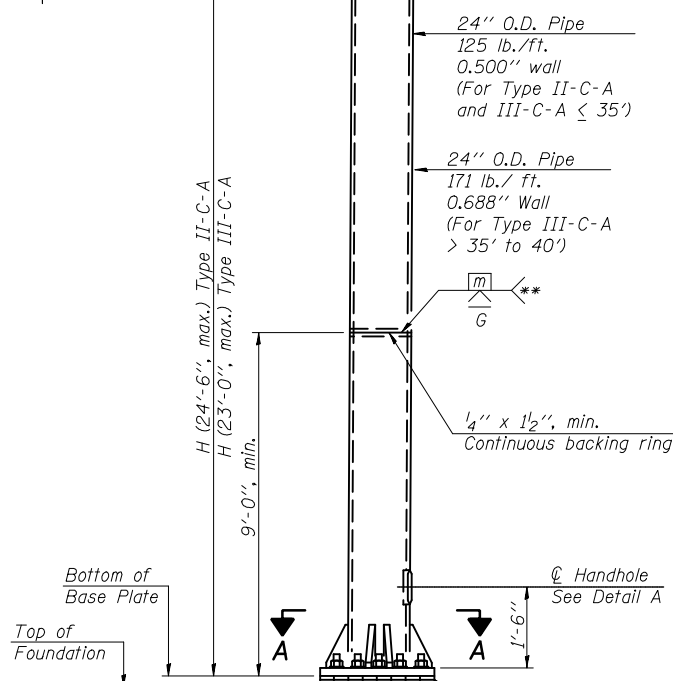
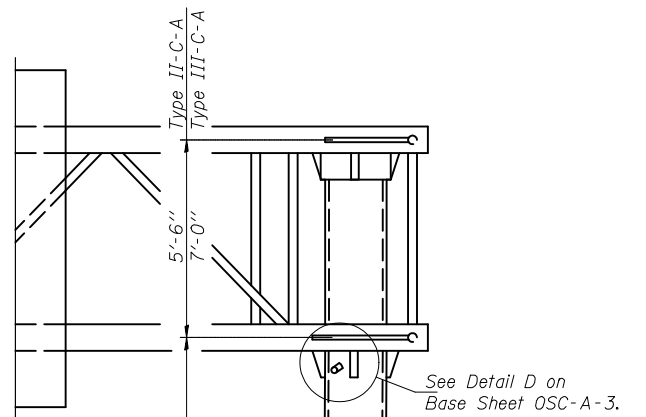


SECTION B-B

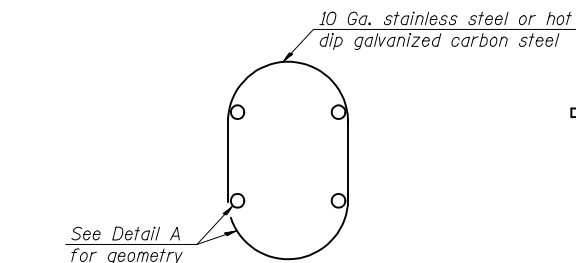


DETAIL B

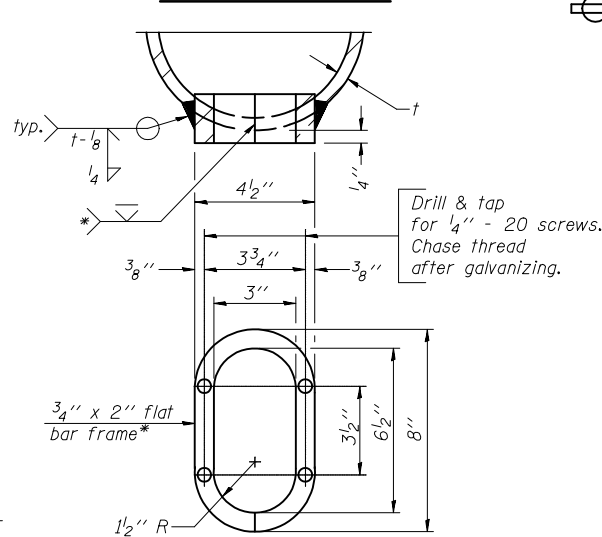
(Typical rib)



FRONT ELEVATION

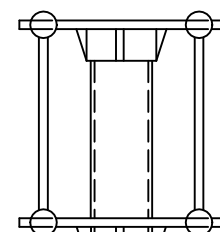


HANDHOLE COVER

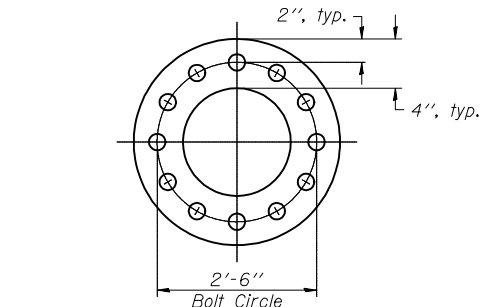


DETAIL A

- * 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 μ m 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.



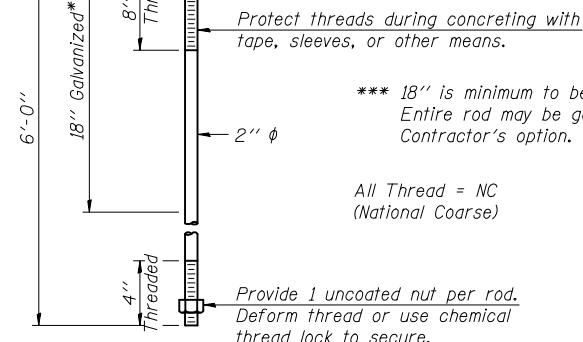
SIDE ELEVATION



SUGGESTED POSITIONING PLATE

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.



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***) and associated M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. 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" 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.

| NUMBER | REVISION | DATE |
|--------|----------|------|
| | | |
| | | |
| | | |
| | | |
| | | |

| Structure Number | Station | H |
|----------------------|---------|--------|
| 5 C 092 I074 R210.00 | 111+39 | 22'-6" |
| 5 C 092 U150 L000.36 | 426+90 | 21'-0" |
| | | |
| | | |
| | | |
| | | |

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

OSC-A-5

12-1-08

| | | | |
|--|-----------------------------|------------|-----------|
| FILE NAME = | USER NAME = bucklesj | DESIGNED - | REVISED - |
| et:\pwork\p\WID01\BUCKLESJJ\d0132727.D | 70315-sht-truss_details.dgn | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000' / IN. | CHECKED - | REVISED - | REVISED - |
| PLOT DATE = 12/7/2009 | DATE - | REVISED - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|--------------------|-----------------------|-----------|---------------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| * | (36X,36X-1,342-3)RS-1 | VERMILION | 58 | 43 |
| CONTRACT NO. 70315 | | | ILLINOIS FED. AID PROJECT | |

*FAU 7052 /FAP 729