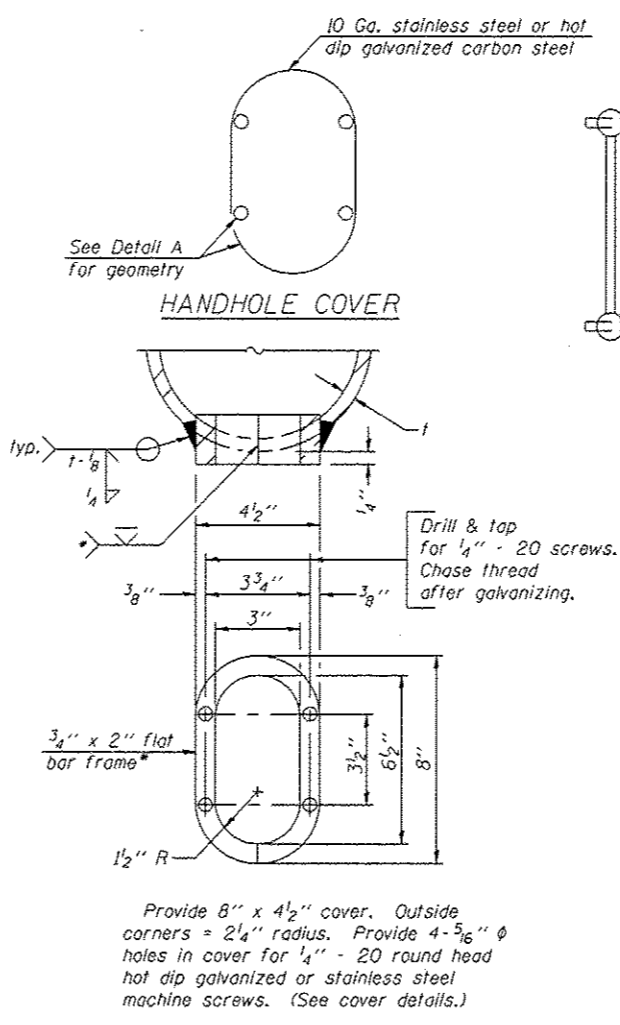


FRONT ELEVATION  
For Foundation Details see Sheets S14 & S16.

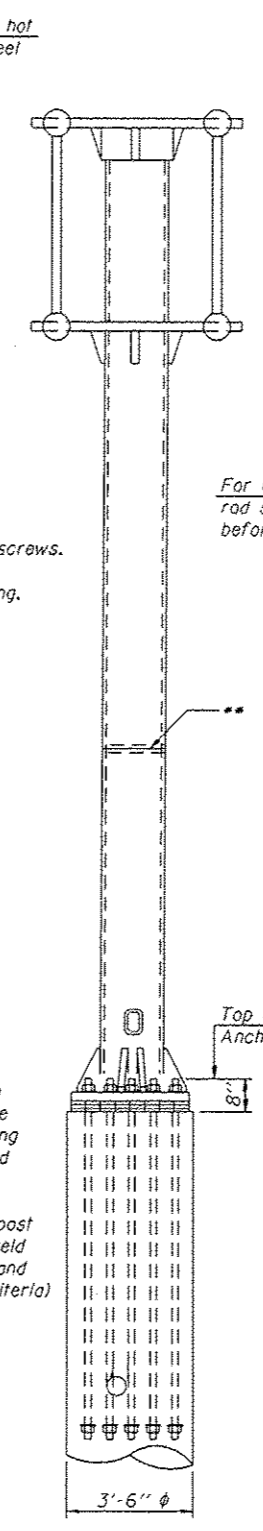


DETAIL A

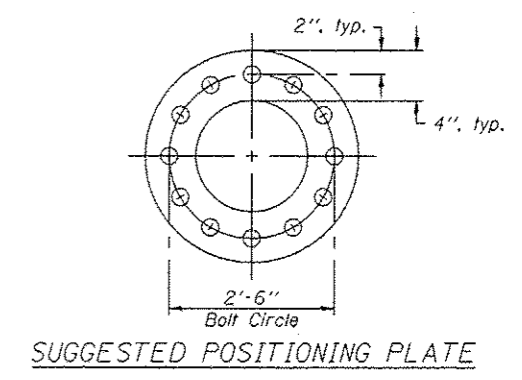
Provide 8" x 4 1/2" cover. Outside corners = 2 1/4" radius. Provide 4-5/16" holes in cover for 1/4" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

\* 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 min or less.

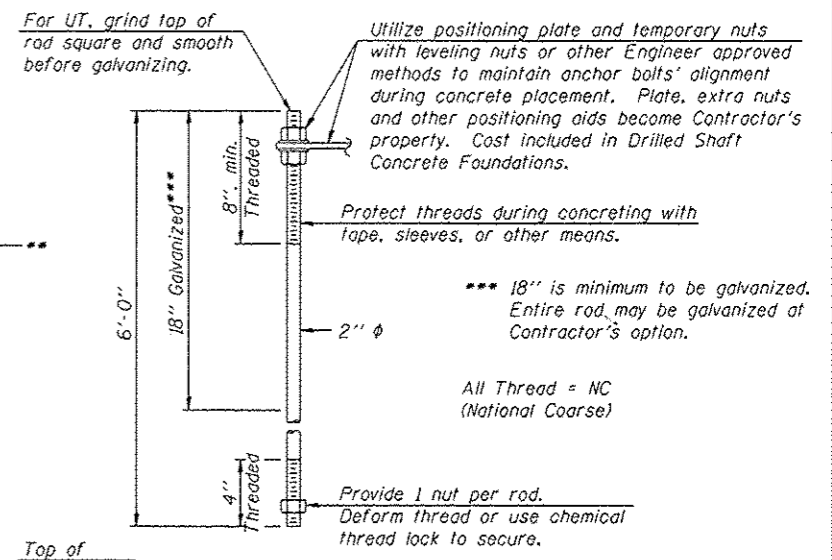
\*\* Butt welded joint in past is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



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, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

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

All Thread = NC (National Coarse)

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

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

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.

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

NOTES

- Survey elevations are not available for this Location. The Contractor is responsible to obtain survey elevations and then determine the vertical dimensions and elevations for the column and foundation.
- For Section Z-Z for Location 5, see Sheet S15
- For Barrier Foundation for Location 19, see Sheet S16.

Structure Number	Location	Station	H
IC049U041L000.0-001	3	53+30.5	21'-3"
IC049U041R000.0-000	4	60+63.6	20'-8"
IC045S056R000.0-000	5	106+00	23'-0"
IC022S038R000.0-001	8	59+30.6	23'-0"
IC016I090R081.9-000	9	3502+10	NOTE 1
IC016I090R082.5-000	10	3533+10	NOTE 1
IC016I090R083.9-000	11	3608+10	NOTE 1
IC022S083L000.0-003	19	966+51.9	18'-7"

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

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