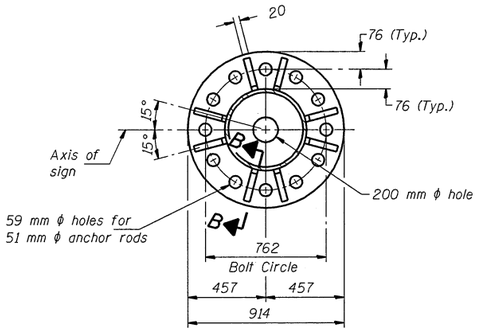
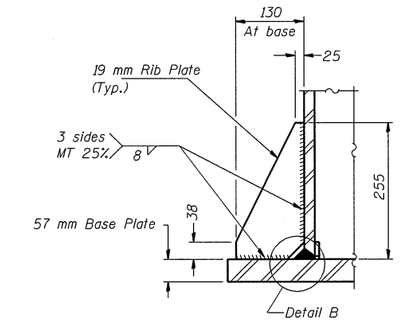
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. RTE. 55	-	McLEAN	310	150
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 18
24 SHEETS

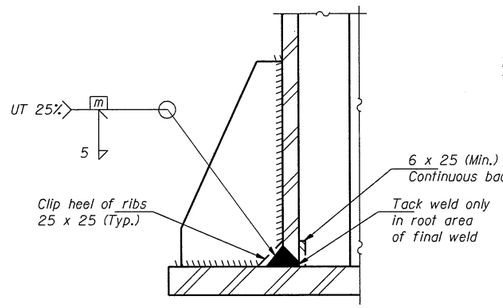
Contract No. 70757
*(57-4) R, HBY, HBR, (57-4VB) DM



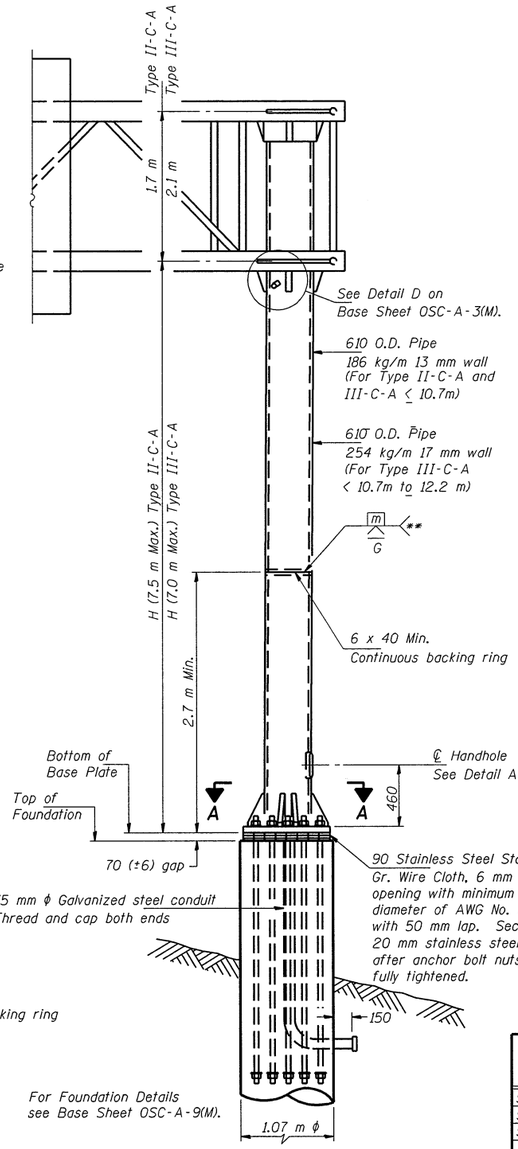
SECTION A-A



SECTION B-B

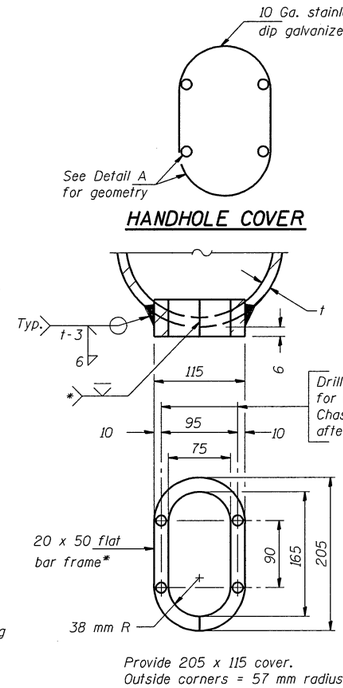


DETAIL B
(Typical rib)



For Foundation Details see Base Sheet OSC-A-9(M).

FRONT ELEVATION



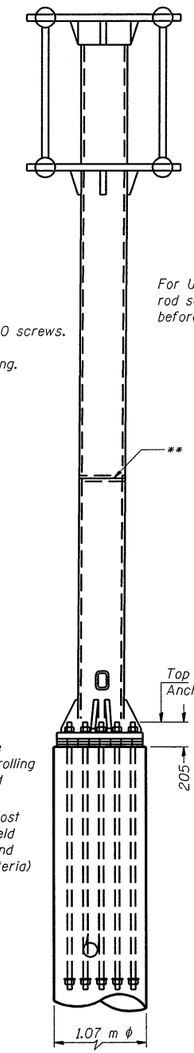
HANDHOLE COVER

Provide 205 x 115 cover.
Outside corners = 57 mm radius.
Provide 4- 8 mm ϕ holes in cover for 6 mm - 20 round head hot dip galvanized or stainless steel machine screws.
(See cover details)

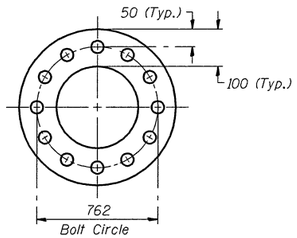
DETAIL A

*Bent bars may be butt welded top and bottom or bottom only. In lieu of fabricated handhole frame as shown, may cut from 50 mm plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 12.7 µm or less.

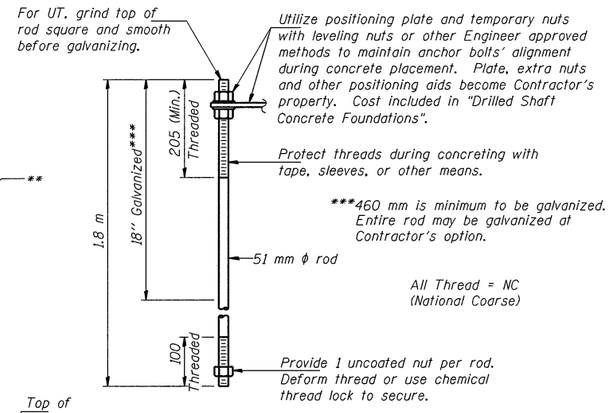
**Butt welded joint in post is only allowed for post heights (H) over 6.10 m in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



SIDE ELEVATION



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to AASHTO M314 Grade 725 (105) and meet Charpy V-Notch (CVN) energy of 20 J at - 12 ° C. before galvanizing. Galvanize the upper 460 mm (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 270 N-m 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, 13 mm ϕ 3.5 mhz. transducer, to insure no rejectable flaws exist in the upper 460 mm (tension criteria). Cost of testing included in "Drilled Shaft Concrete Foundations".

Structure Number	Station	H
5C057I055LI64.7	37+295	6.299
5C057I055LI64.8	37+297	6.641
5C057I055LI64.9	37+572.5	6.696

NUMBER	REVISION	DATE

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

PROJECT
F.A.I. 55
SECTION (57-4)R, HBY, HBR,
(57-4VB)DM
McLEAN COUNTY

PROJECT NO. 9450
SCALE
DATE 10/08/04
DRAWN BY TFG
CHECKED BY MCB
DRAWING NO. 18
OF 24 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

OSC-A-5(M) 11/1/2002

7/8/2009
$FILEABBREV$