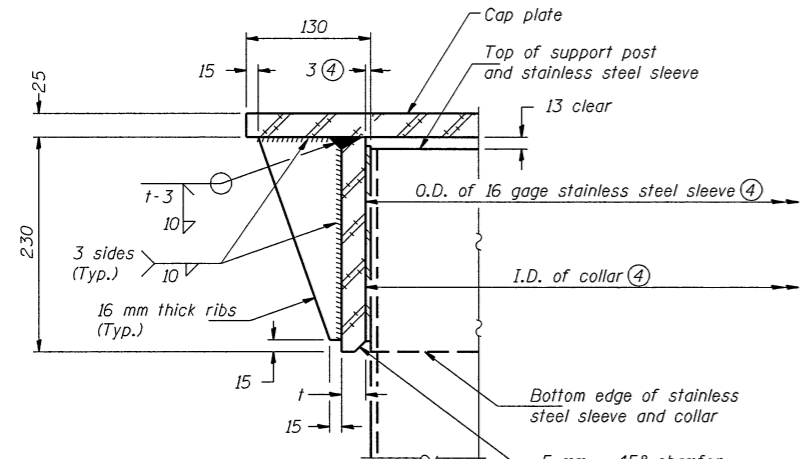


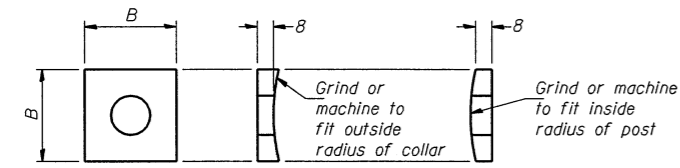
④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus 3 mm ( $\pm 2$  mm). Maximum gap between post and collar at any location equals 3 mm before tightening bolts.

**SECTION B-B**

Bolts, washers (including contoured washers), and locknuts shall be stainless steel.

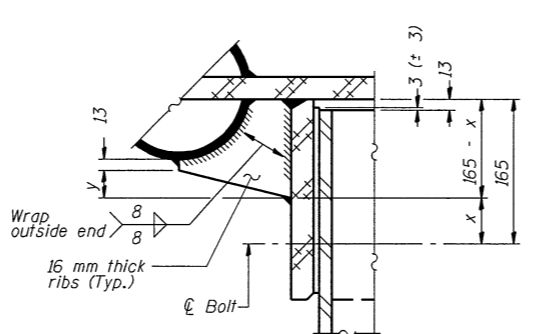


**DETAIL A**  
(Two locations)



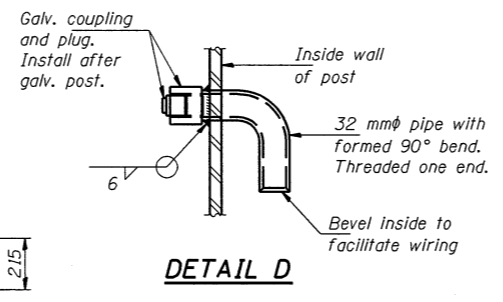
**CONTOURED WASHERS**

Bolt Dia.	Contoured Washers	
	Hole Dia.	B
22	25	64
25	29	75
32	35	83



**DETAIL B**

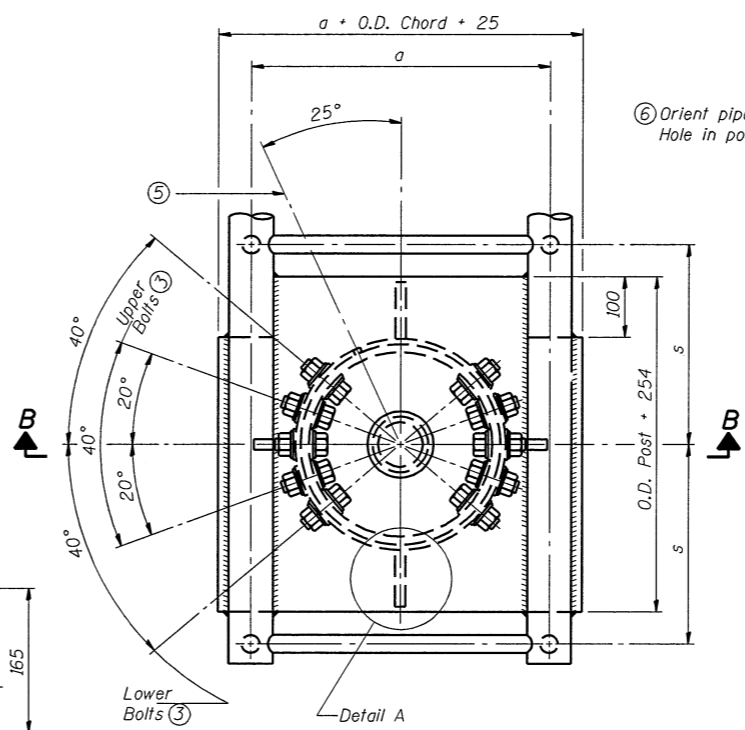
Two locations  
(For details not shown, see Detail C)



**DETAIL OF STAINLESS STEEL SLEEVE**

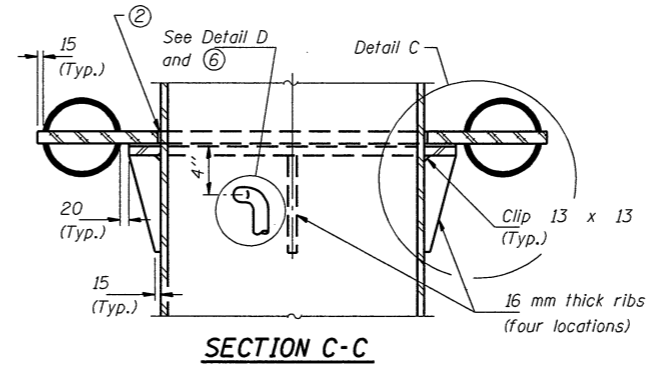
Weld to post after galvanizing. (Prepare post surface to insure tight, uniform fit and allow welding.) Welds to be 40 mm long at 150 mm cts. along top edge and at 6 mm opening.

NUMBER	REVISION	DATE

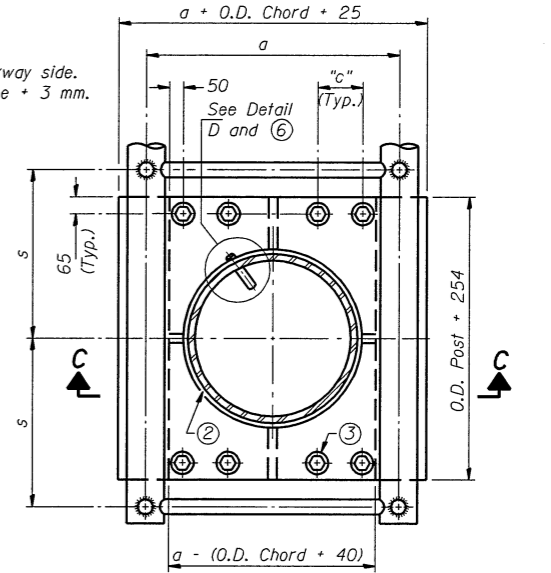


**PLAN VIEW - TOP OF COLUMN**

⑤ Optional full penetration weld in collar. (Two locations maximum....(180 degree apart)....X-ray or UT 100%)

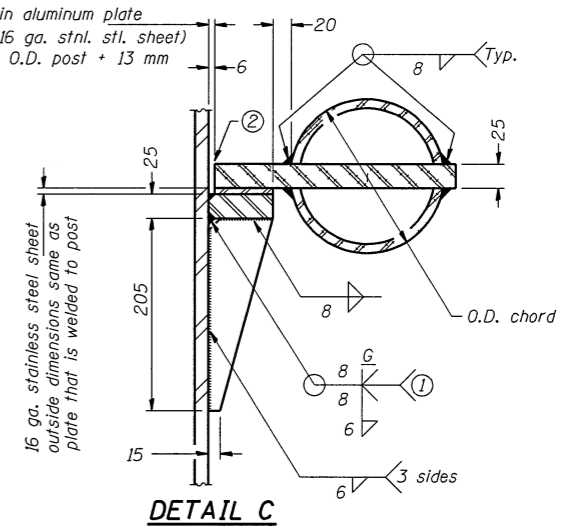


**SECTION C-C**



**SECTION THRU POST ABOVE LOWER CHORDS**

Hole in aluminum plate (and 16 ga. stnl. stl. sheet) to be O.D. post + 13 mm



**DETAIL C**

- ① Grind top if required to fully seat aluminum plate and stainless steel sheet.
- ② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in "Overhead Sign Structure Cantilever".

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter ③	Lower Juncture Bolt Spacing Dimension "c" ③	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	406 phi (124 kg/m)	22	85	205	16	45	56
II-C-A	610 phi (152 kg/m)	25	90	305	22	50	32
III-C-A (10.7 Max.)	610 phi (186 kg/m)	32	90	305	22	50	25
III-C-A (>10.7 to 12.2)	610 phi (254 kg/m)	32	90	305	22	50	25

③ Upper and lower connection bolts in collar and bolts at lower chord connection must be high strength with matching locknuts. Connection bolts shall have two stainless steel flat washers each.

SHEET TITLE <b>CANTILEVER SIGN STRUCTURES JUNCTURE DETAILS ALUMINUM TRUSS &amp; STEEL POST</b>		PROJECT NO. 9450
PROJECT F.A.I. 55 SECTION (157-4)R, HBY, HBR, (157-4VB)DM McLEAN COUNTY		SCALE 10/08/04
DRAWN BY TFG		CHECKED BY MCB
DRAWING NO.		17
DESIGNER <b>COOMBE-BLOXDORF P.C.</b> Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703		OF 24 SHTS

7/8/2009  
#FILE:ABREV#S