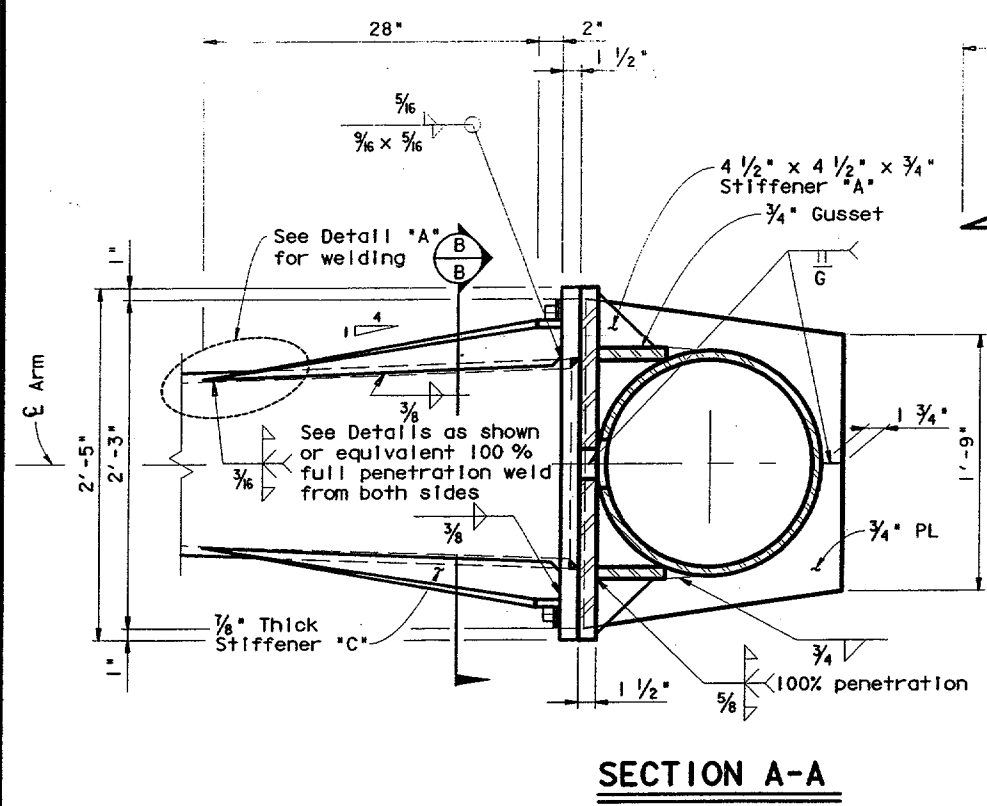
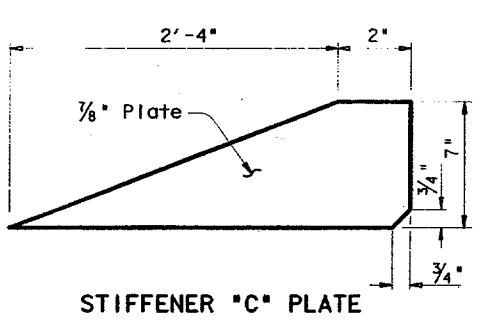


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LEVELS DISPLAYED	ACC
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**SECTION A-A**

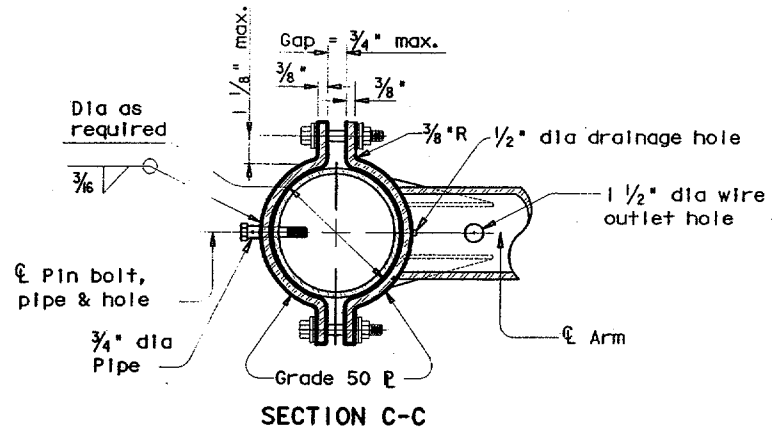


**STIFFENER 'C' PLATE**

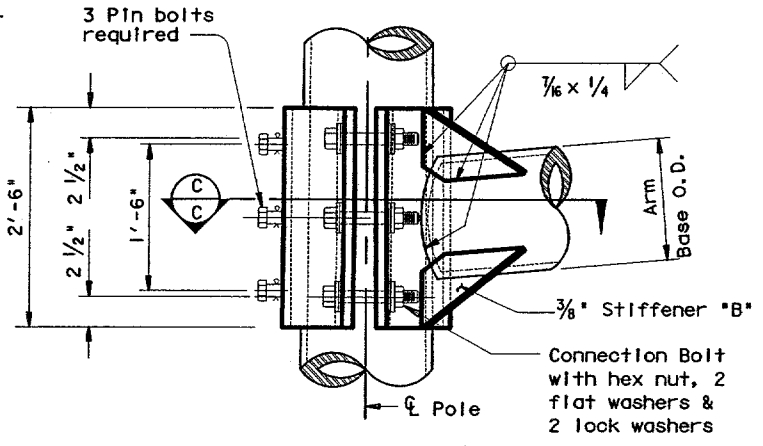
See Details as shown below or equivalent 100% full penetration weld from both sides.

Only 4" length at tip of Stiffener 'C' requires full penetration weld. Smooth weld radius to connect Stiffener. Others only require fillet weld.

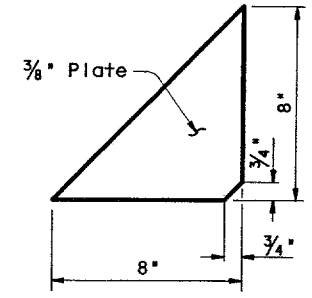
**DETAIL 'A'**



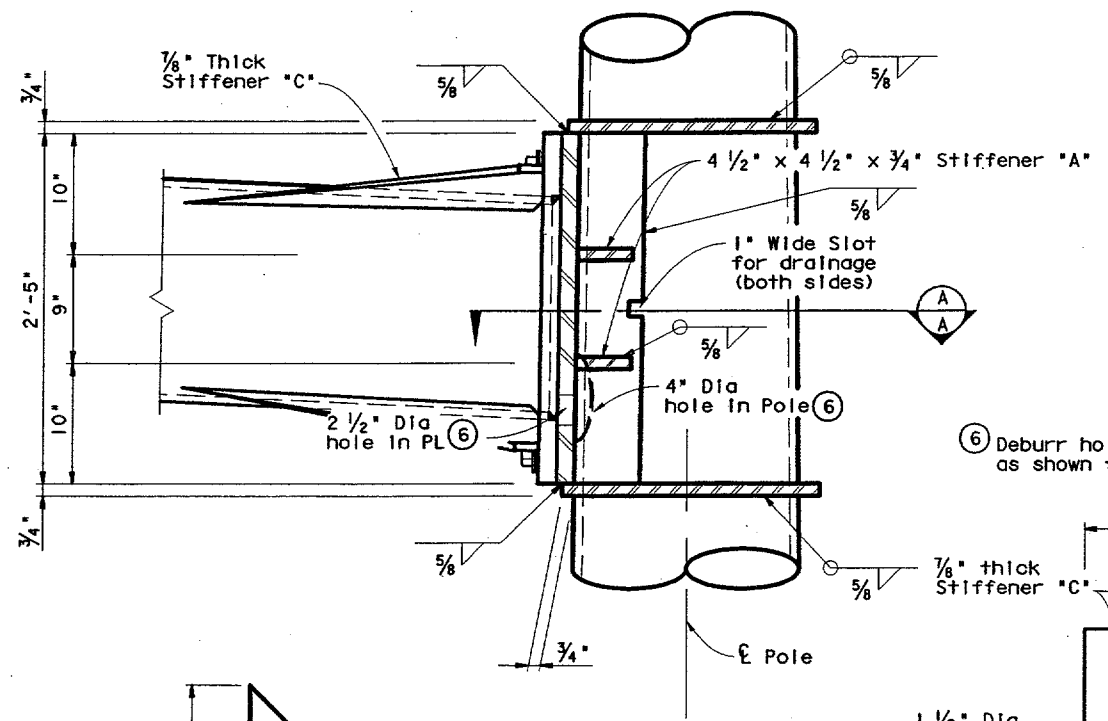
**SECTION C-C**



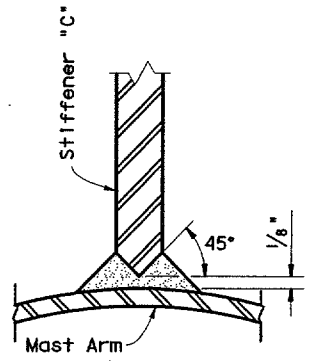
**ELEVATION**



**STIFFENER 'B' PLATE**

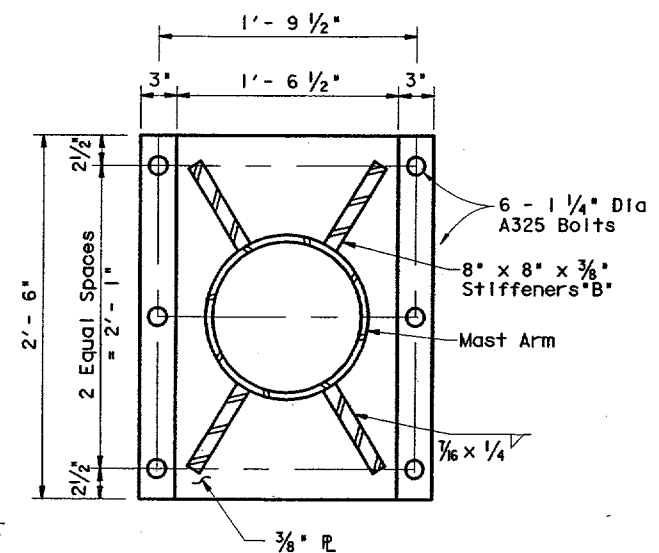


**ELEVATION**

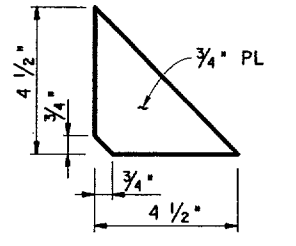


**Mast Arm**

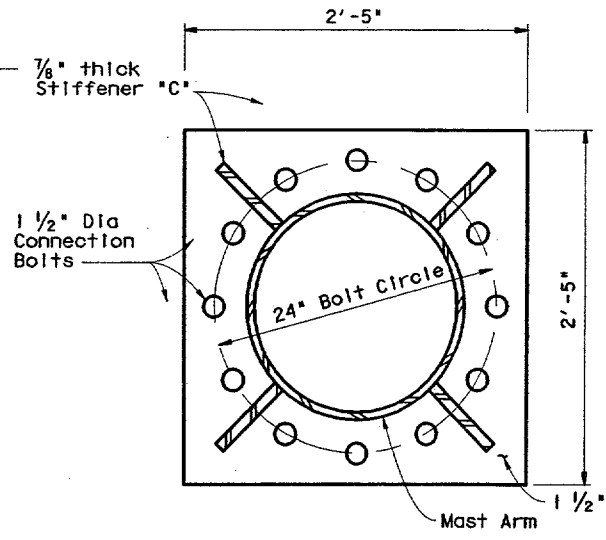
⑥ Deburr holes and offset as shown for drainage



**MAST ARM AND ILSN ARM TO POLE CLAMP-ON DETAIL**



**STIFFENER 'A' PLATE**



**SECTION B-B**

MATERIALS	
Round Shafts or Polygonal Shafts	ASTM A595 GR A, ASTM A570 GR 50, ASTM A607 GR 50, ASTM A572 GR 50 or A36M5
Plates (1)	ASTM A36 OR A572 GR 50 or A595(2) or A36M5
Connection Bolts	ASTM A325 except where noted
Pin Bolts	ASTM A325
Pipe	ASTM A53 GR A or B, or A501
Misc. Hardware	Galvanized steel or stainless steel or as noted

(1) Any of the materials listed for plates may be used where the drawings do not specify a particular Grade designation.

(2) If A595 material is used, it need not be cold worked to A591 requirements, but material must have 40 ksi minimum yield prior to fabrication.

**GENERAL NOTES**

Clamp-on details are used for the second arm on dual mast arm assemblies. A Maximum 1 1/2 inch wide vertical slotted hole may be cut in the front clamp plate to facilitate drainage during galvanizing. The slot shall be centered behind the arm and shall be no longer than the arm diameter minus 1 inch.

Fixed mount details are used for single mast arm assemblies and for the first arm on dual mast assemblies.

Where duplicate parts occur on a detail, welds shown for one part shall apply to all similar parts on the detail.

Pin bolts are required to prevent rotation of clamp-on arms under design wind forces.

**STANDARD PLANS**  
Texas Department of Transportation  
Traffic Operations Division

**TRAFFIC SIGNAL SUPPORT STRUCTURES**  
**LONG MAST ARM ASSEMBLY**  
**(50 TO 65 FT)**  
**(80 AND 100 MPH WIND ZONE)**  
**LMA (3)-01**

Sheet 3 of 4

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REVISIONS	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
4-20-01	DAL	6	CM XXXX (XXX)	32
	COUNTY	CONTROL	SECTION	JOB
	DALLAS	****	**	****
				VA