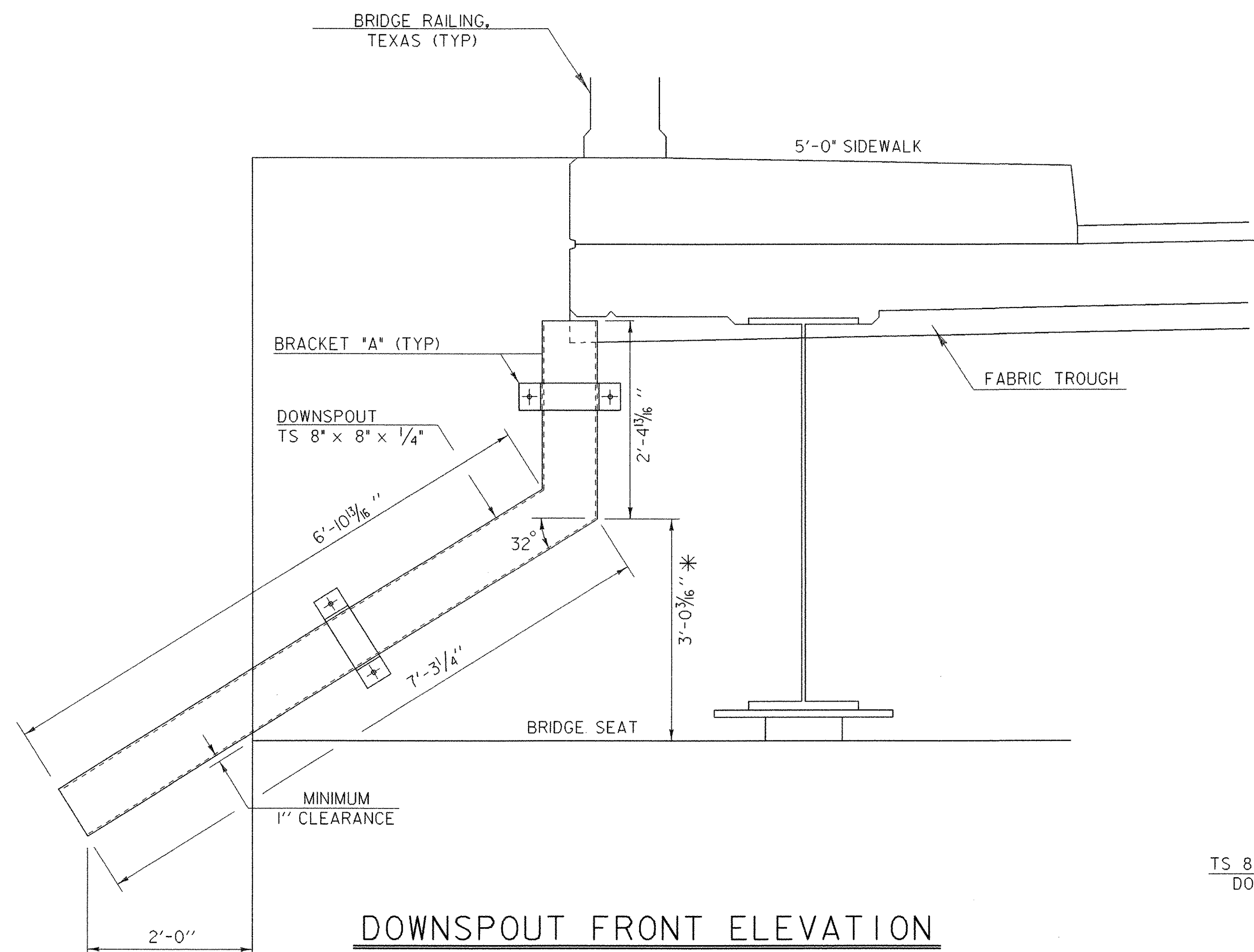
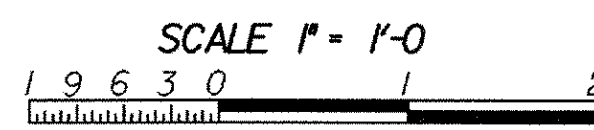
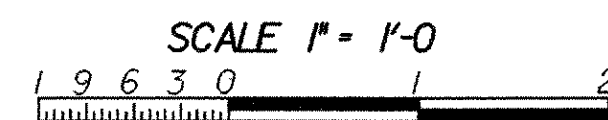


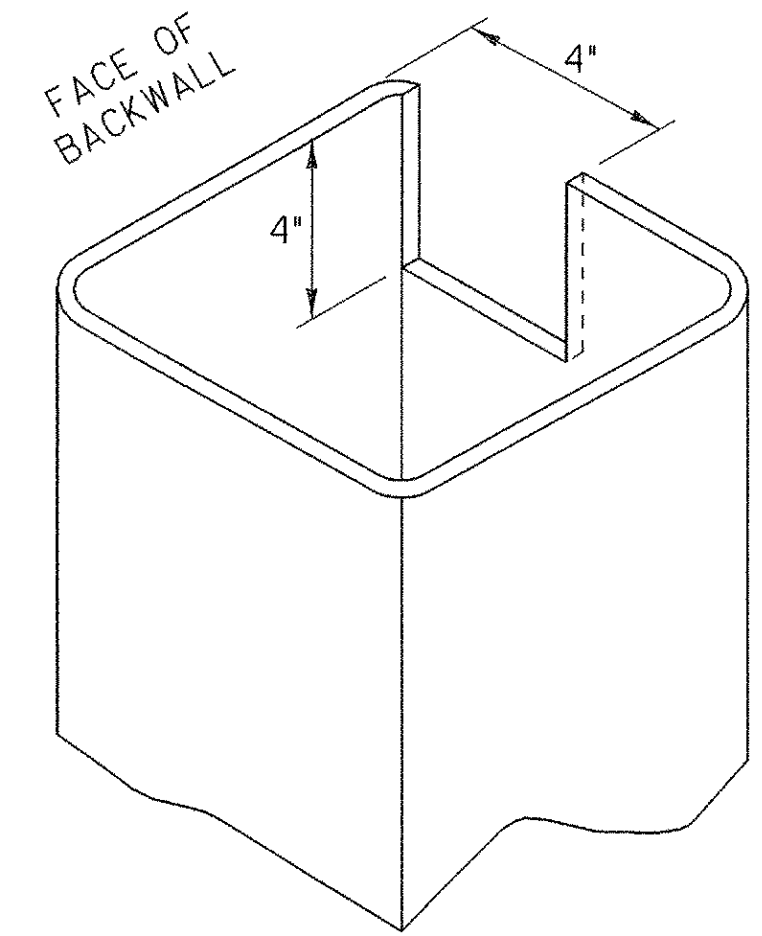
**DOWNSPOUT SIDE ELEVATION**



**DOWNSPOUT FRONT ELEVATION**

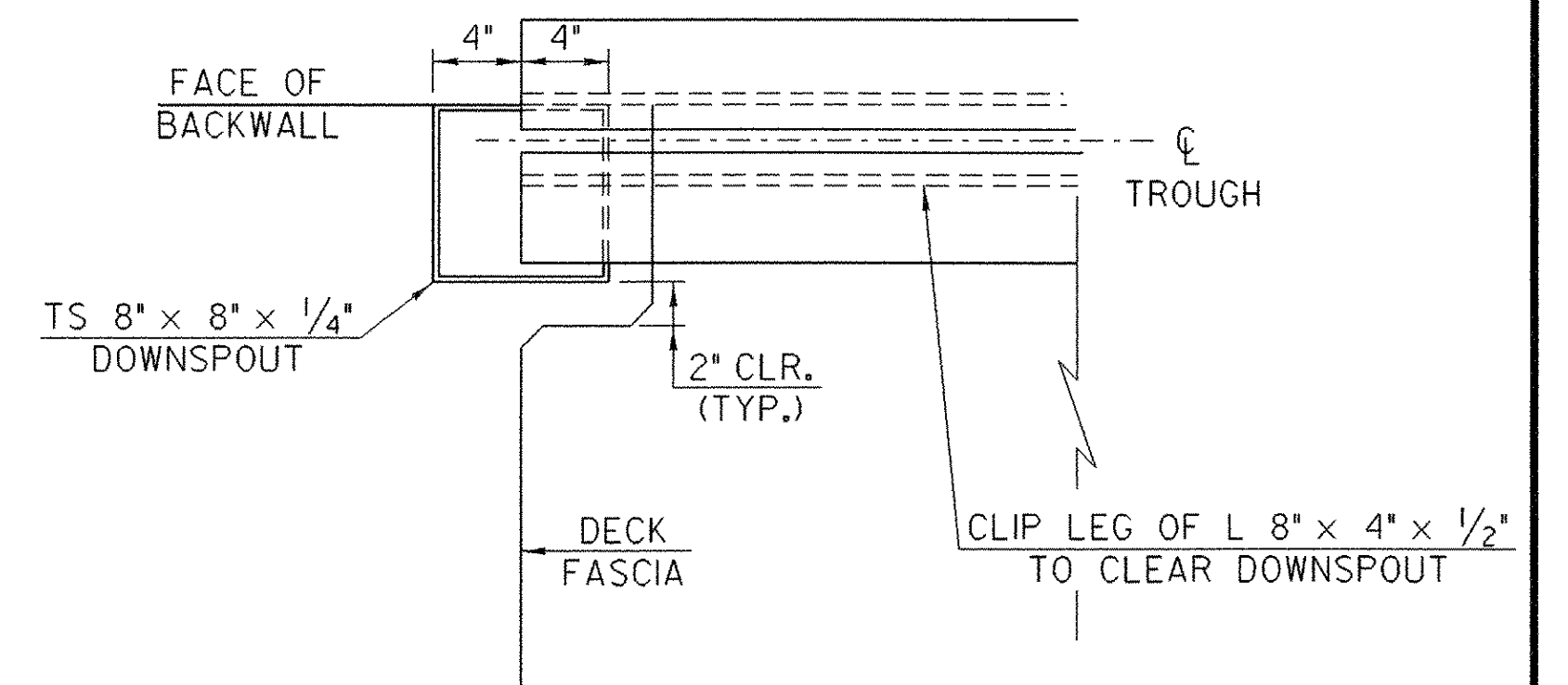


\* THIS DIMENSION MAY BE ADJUSTED IN ORDER TO INSURE THAT THE DOWNSPOUT CLEARS THE BRIDGE SEAT BY THE REQUIRED 1" CLEARANCE.

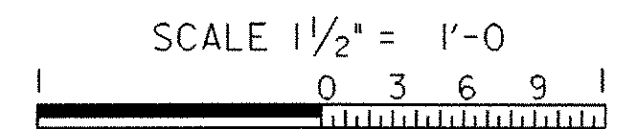


**DOWNSPOUT CUTOUT FOR TROUGH**

NTS

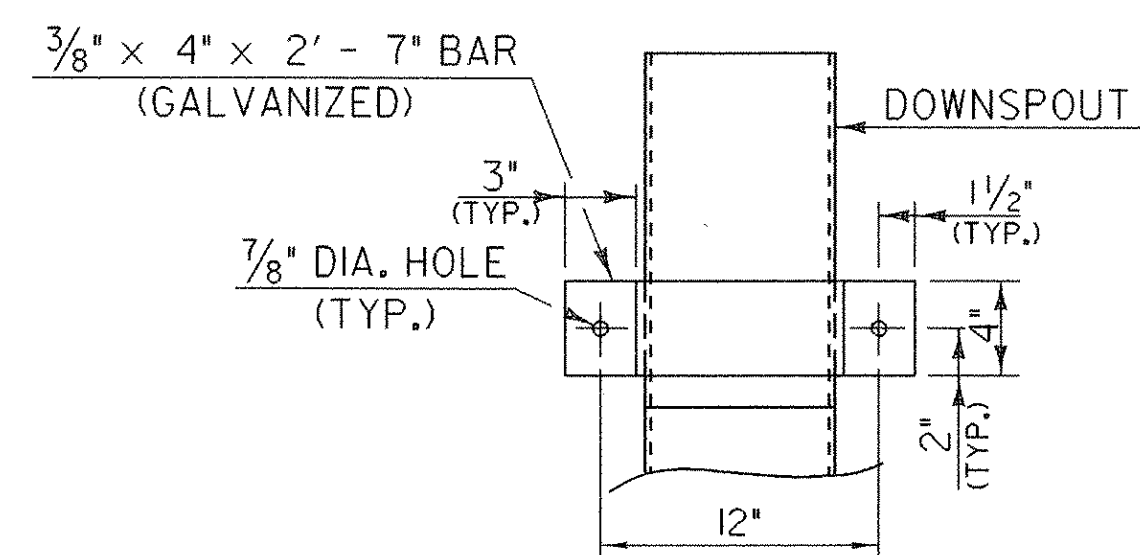


**PLAN VIEW OF DECK BOXOUT FOR DOWNSPOUT**

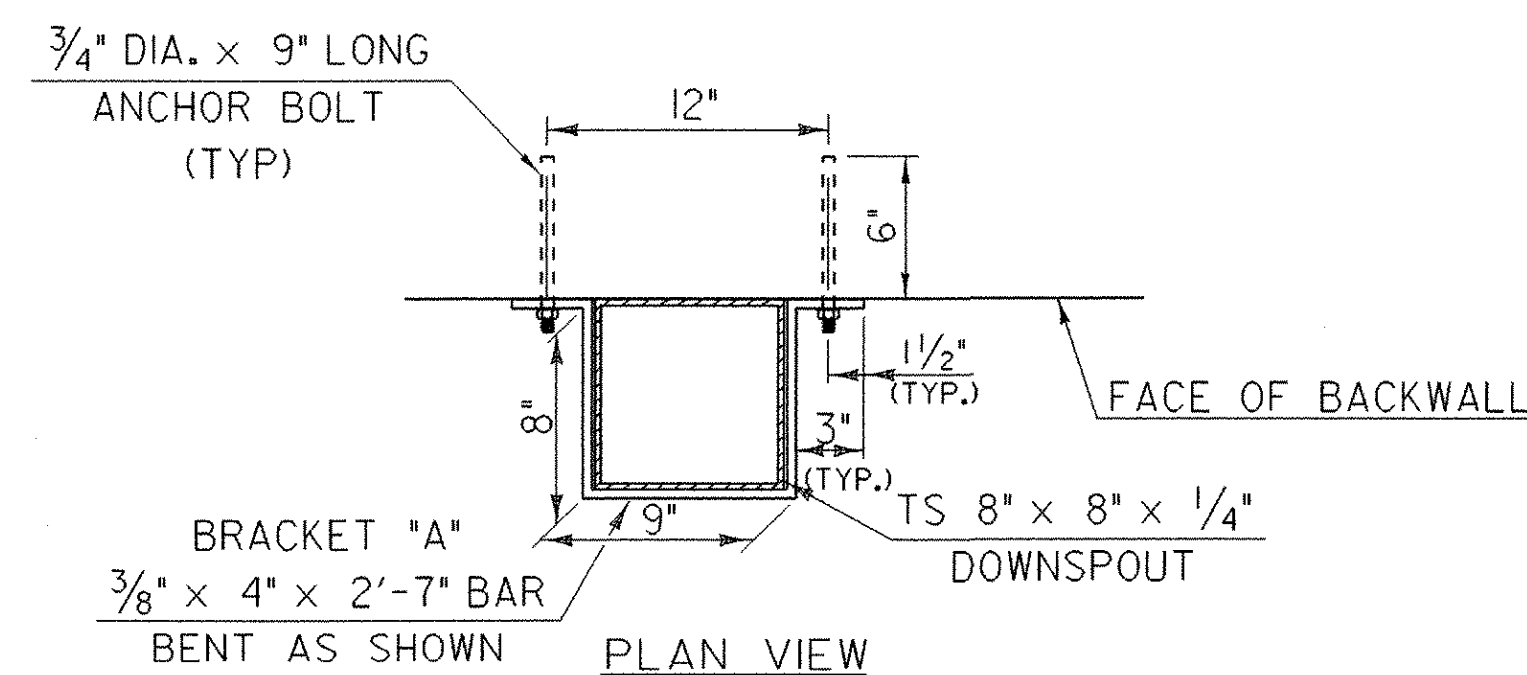
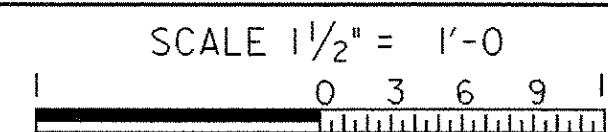


**DOWNSPOUT NOTES**

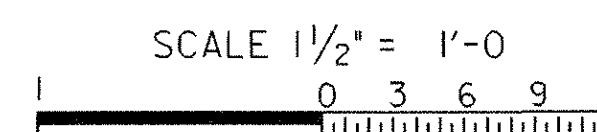
1. HOLLOW STRUCTURAL STEEL TUBING SHALL CONFORM TO A-500 OR A-501.
2. ALL PLATES, BARS, AND ANGLES SHALL CONFORM TO AASHTO M270 GR. 36.
3. DOWNSPOUT SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M111 AFTER FABRICATION.
4. ALL BOLTS AND RELATED HARDWARE SHALL BE ASTM A-307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M232.
5. ANY PLACE WHERE THE GALVANIZING HAS BEEN DAMAGED ON THE DOWNSPOUT EITHER BY CUTTING, BURNING, WELDING, PLACING, OR ANY OTHER MEANS, IT SHALL BE REPAIRED BY THOROUGHLY CLEANING THE DAMAGED AREAS WITH A WIRE BRUSH AND PAINTING THE DAMAGED AREAS WITH TWO COATS OF AN APPROVED SEALANT.
6. DOWNSPOUT AND ALL ANCHOR BOLTS WITH RELATED HARDWARE SHALL BE PAID FOR UNDER THE ITEM 506.60 "STRUCTURAL STEEL".



**ELEVATION VIEW OF BRACKET "A"**



**DETAILS FOR ATTACHING DOWNSPOUT TO BACKWALL**



**DOWNSPOUT DETAILS**

PROJECT NAME:	BARTON	FILE NAME: /str5/01j168/sj168sup.dgn	PLOT DATE: 02-APR-2007
PROJECT NUMBER:	BRO 1449 (29)	PROJECT LEADER: W. SYMONDS	DRAWN BY: J. GILMORE
		DESIGNED BY: J. REED	CHECKED BY: J. REED
		sj168dsp.i	SHEET 43 OF 84