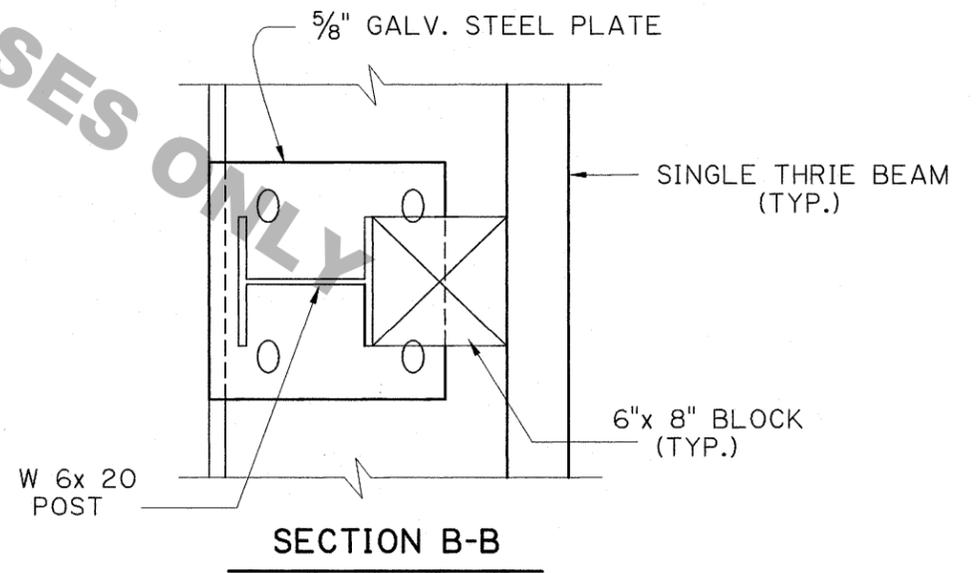
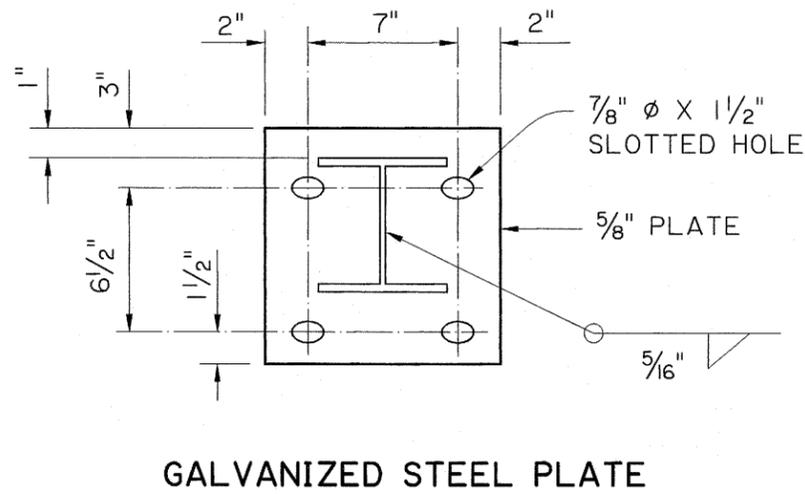


SECTION A-A



**NOTES**

FOR ADDITIONAL INFORMATION ON GUARD RAIL, SEE STD.PLAN GR-200 AND GR-202.

ALL WORK AND MATERIALS REQ'D. TO INSTALL GUARD RAIL ON BOX CULVERTS SHALL BE PAID FOR UNDER ITEM 704-01-01000 GUARD RAIL (SINGLE THRIE BEAM) (3'-1 1/2" POST SPA.)

GUARD RAIL SPLICES SHALL BE MADE AT POST LOCATIONS ONLY.

\* DRILL 1" Ø HOLES, 6" DEEP FOR 3/4" Ø GALVANIZED BOLT. USE 3/4" GALVANIZED NUT WITH GALVANIZED CUT WASHER.

ALL HOLES DRILLED INTO AN EXISTING CONCRETE STRUCTURE SHALL BE CLEANED WITH COMPRESSED AIR AND MADE FREE OF ANY OIL OR RESIDUE. HOLES SHALL BE FILLED WITH EPOXY INJECTION SYSTEM AS LISTED ON QPL 40. PLACE BOLT IN HOLE IMMEDIATELY AND WAIT FOR MANUFACTURERS CURE TIME.

ALL STRUCTURAL STEEL SHALL BE ASTM A-36 AND GALVANIZED. ALL 5/8" Ø BOLTS SHALL BE ASTM A307.



*Paul B. Fossier, Jr.*  
4-9-09

SHEET NUMBER	PARISH	FEDERAL PROJECT	STATE PROJECT
DESIGNED	CHECKED	DATE	SHEET
BY	REVISION DESCRIPTION	NO.	DATE
			
<b>TOP MOUNTED GUARD RAIL (FOR BOX CULVERTS)</b>			
			
BRIDGE AND STRUCTURAL DESIGN			