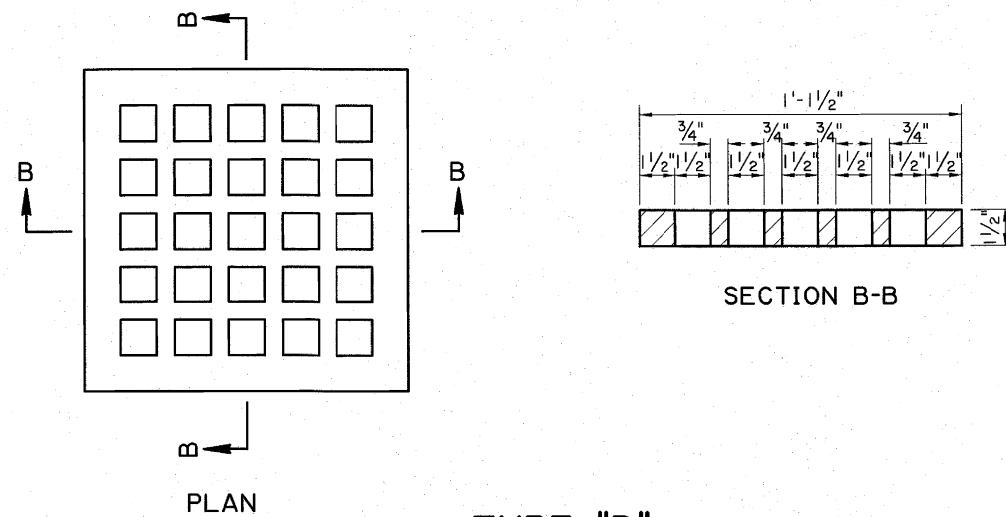
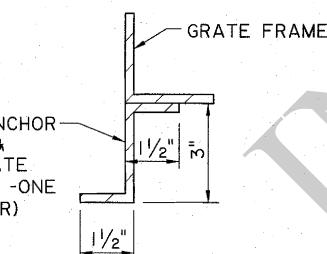
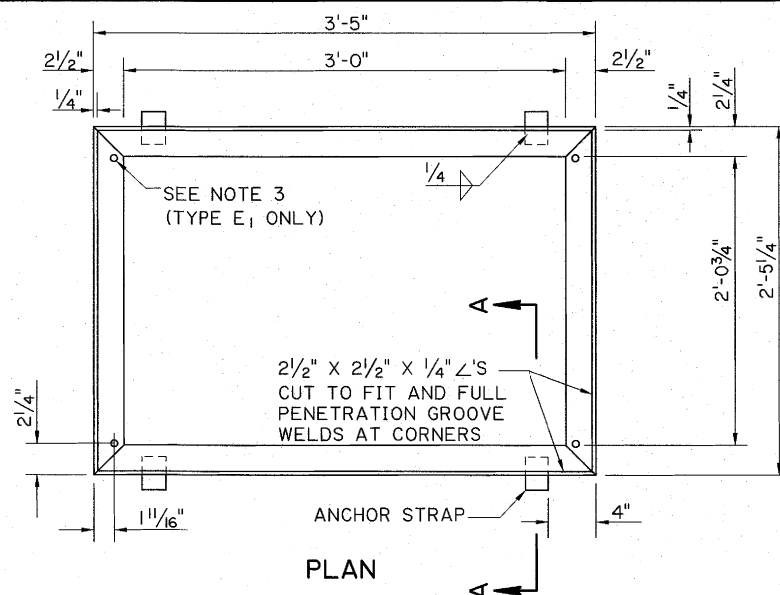




TYPE "D"

CAST IRON GRATE
WEIGHT OF CASTING = 49 LBS

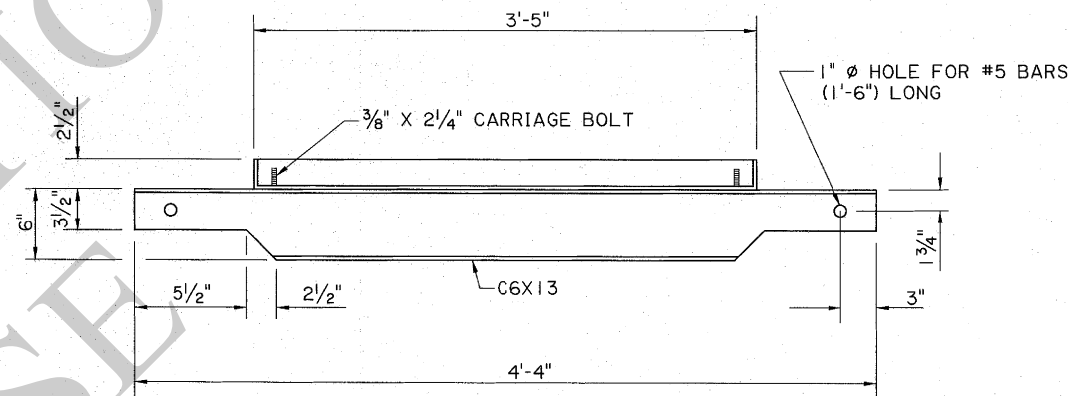
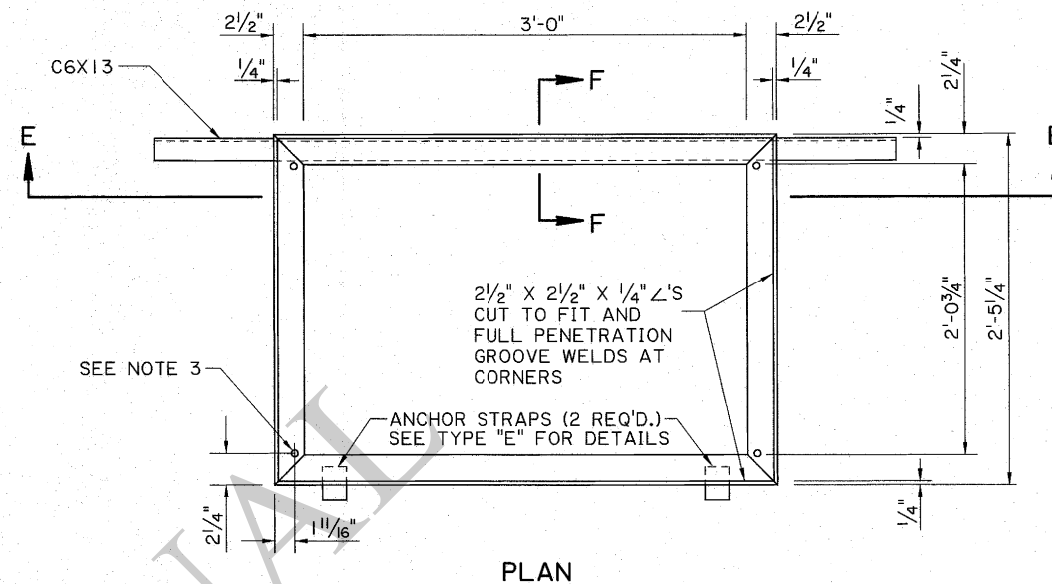


SECTION A-A

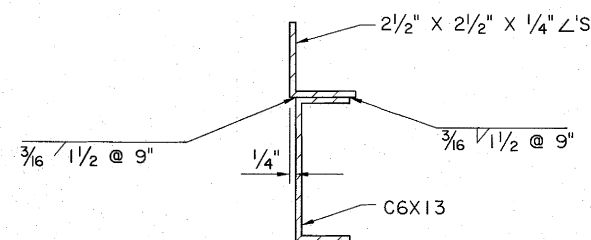
TYPE "E" AND "E1"

STEEL GRATE FRAME

- NOTES:
1. GRATE FRAME TO BE GALVANIZED AFTER FABRICATION
 2. WEIGHT OF GRATE FRAME = 52 LBS
 3. SQUARE PUNCH HOLE PRIOR TO GALVANIZING. ADD A $\frac{3}{8}$ ϕ x 2 1/4" LONG -16 UNC ROUND HEAD SQUARE NECK CARRIAGE BOLT WITH JAM NUT, HEX HEAD NUT, AND FLAT WASHER (ALL STAINLESS STEEL) AFTER FRAME IS GALVANIZED.



SECTION E-E

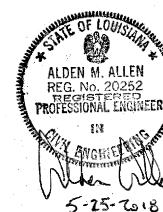


SECTION F-F

TYPE "F"

STEEL GRATE FRAME

- NOTES:
1. GRATE FRAME TO BE GALVANIZED AFTER FABRICATION
 2. WEIGHT OF GRATE FRAME = 52 LBS $\pm$ 5%
 3. SQUARE PUNCH HOLE PRIOR TO GALVANIZING. ADD A $\frac{3}{8}$ ϕ x 2 1/4" LONG -16 UNC ROUND HEAD SQUARE NECK CARRIAGE BOLT WITH JAM NUT, HEX HEAD NUT, AND FLAT WASHER (ALL STAINLESS STEEL) AFTER FRAME IS GALVANIZED.



DETAILS OF GRATES, GRATE FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES		SHEET NUMBER			
STANDARD	MC-01	DESIGNED	AMA	PARISH	
		CHECKED	AMA		
		DATE		CONTROL	
		REVISION DESCRIPTION		SECTION	
		BY		CHECKED	AMA