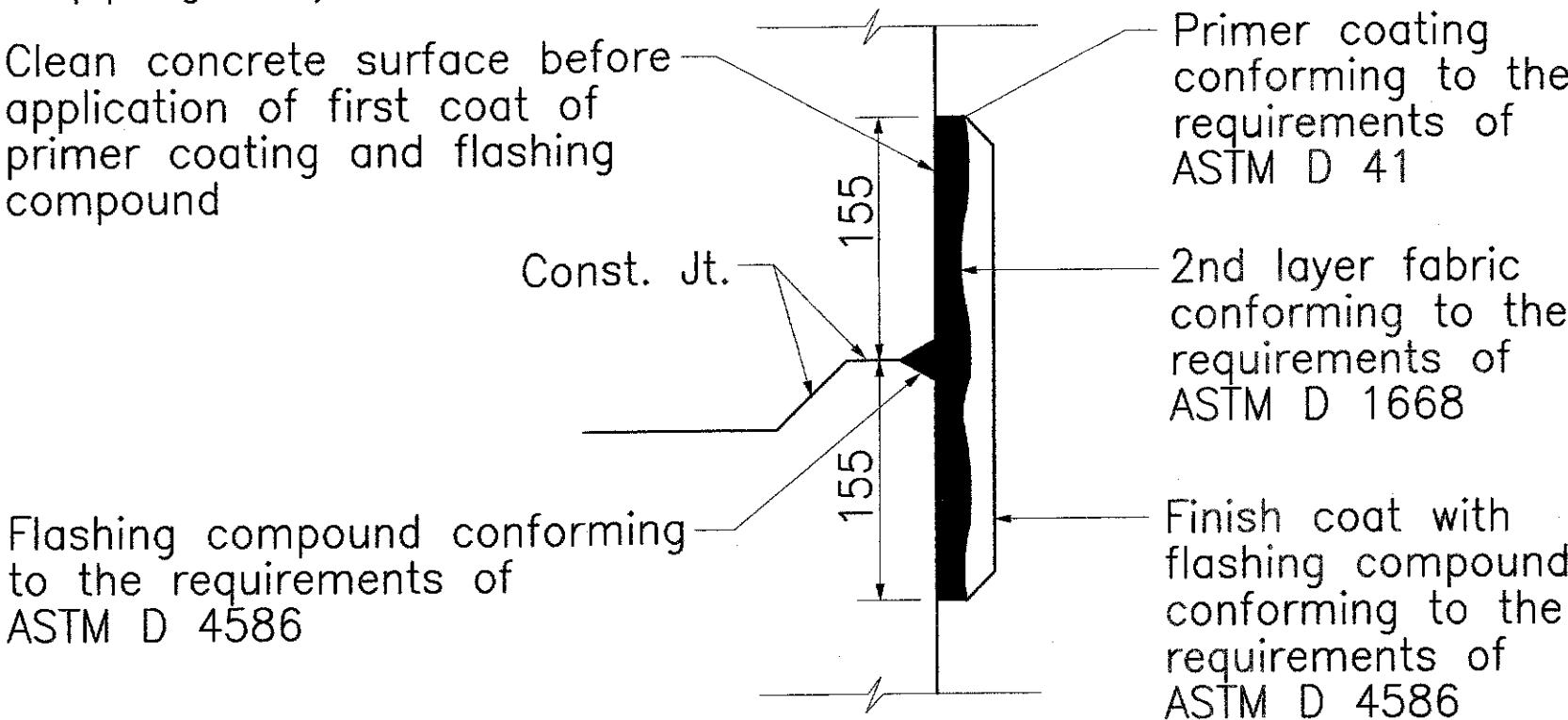


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0001(36)	2008	41	42

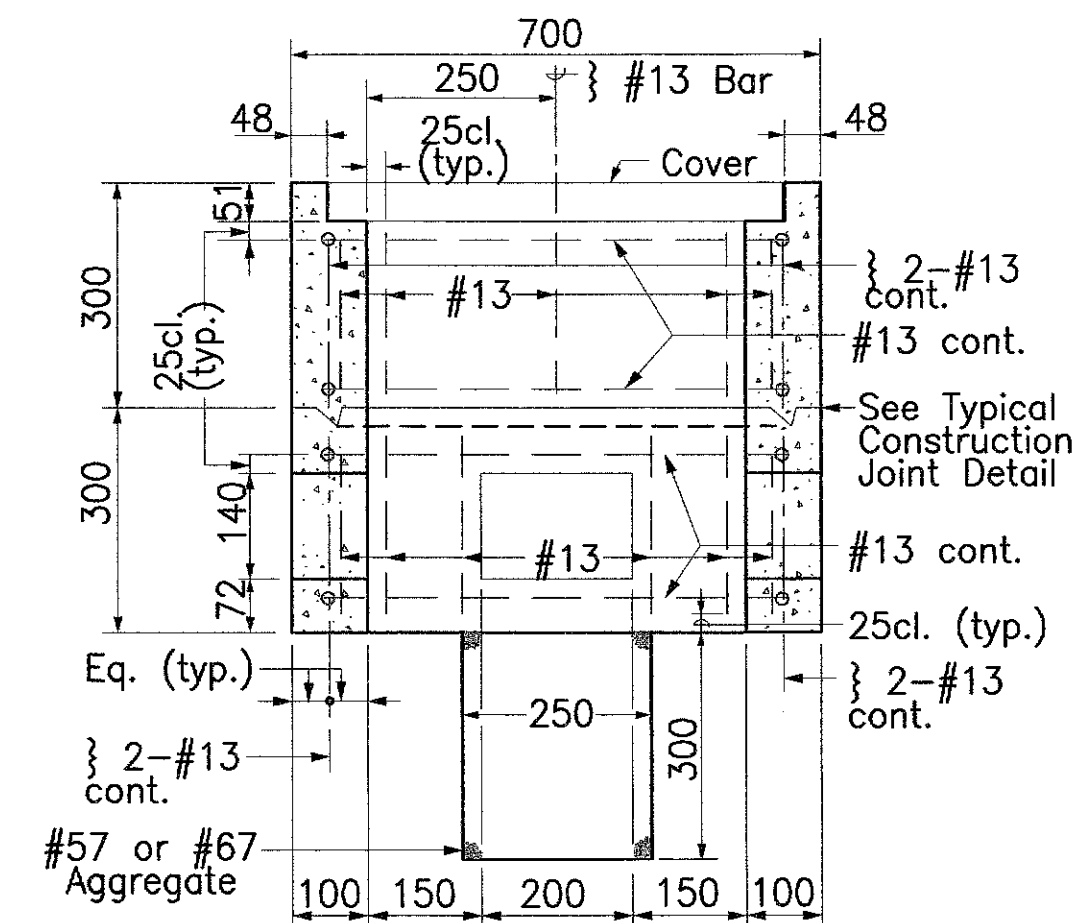
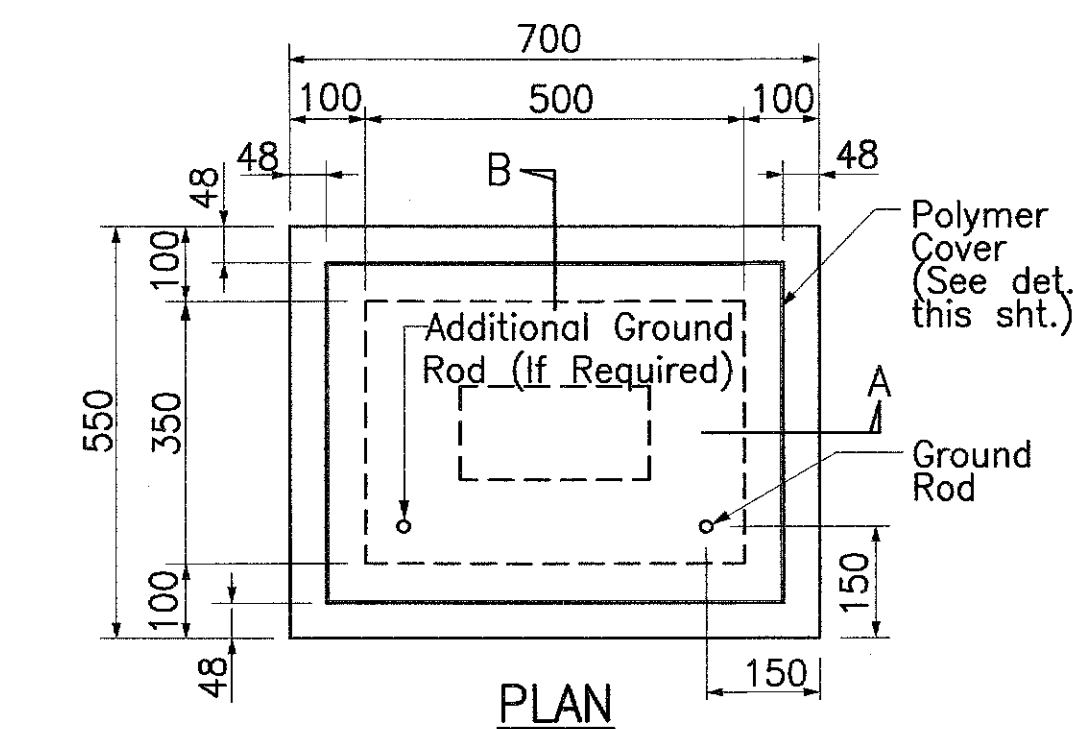
ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE SHOWN

GENERAL NOTES

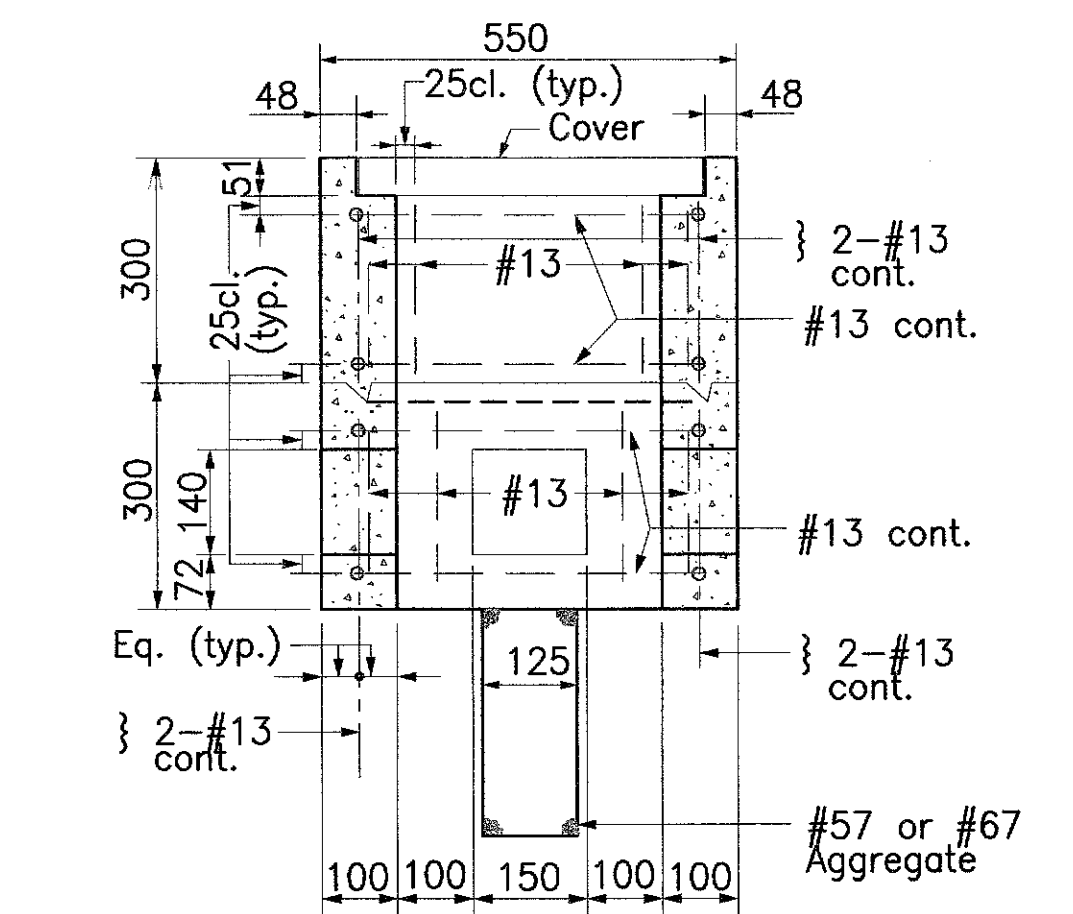
1. Provide a minimum of one 16Ø x 2.5m Copperweld Ground Rod in each pullbox. When directed by the Traffic Signal Inspector/Engineer, install additional Ground Rods. Cost of Ground Rods shall be incidental to the pullboxes.
2. All pre-cast concrete pullboxes shall be manufactured in two pieces.
3. The pullbox with cover shall be capable of supporting an MS 18 Loading.
4. The maximum weight of the pullbox cover shall not exceed 27 kilograms.
5. The openings for the conduits on all pullboxes shall be pre-cast concrete knockouts.
6. After installing the conduits in the openings of the pullboxes, the Contractor shall fill the excess opening in the pre-cast knockouts with concrete mortar.
7. Prior to installing the pullboxes, the Contractor shall level the bottom of the trench and achieve a minimum of 95% relative compaction of the bottom of the trench.
8. All concrete shall be Class A (21MPa or 3000PSI, min.)
9. Rebars shall be Grade 300 and all lapped splices shall be 360mm minimum.
10. The #57 or #67 size aggregate shall conform to latest version of AASHTO M43 (ASTM D 448).
11. Type "C" Pullbox shall be installed in a location protected from vehicular traffic (i.e. raised sidewalk, behind A.C. curbs, traffic signal standard or pipe guards).



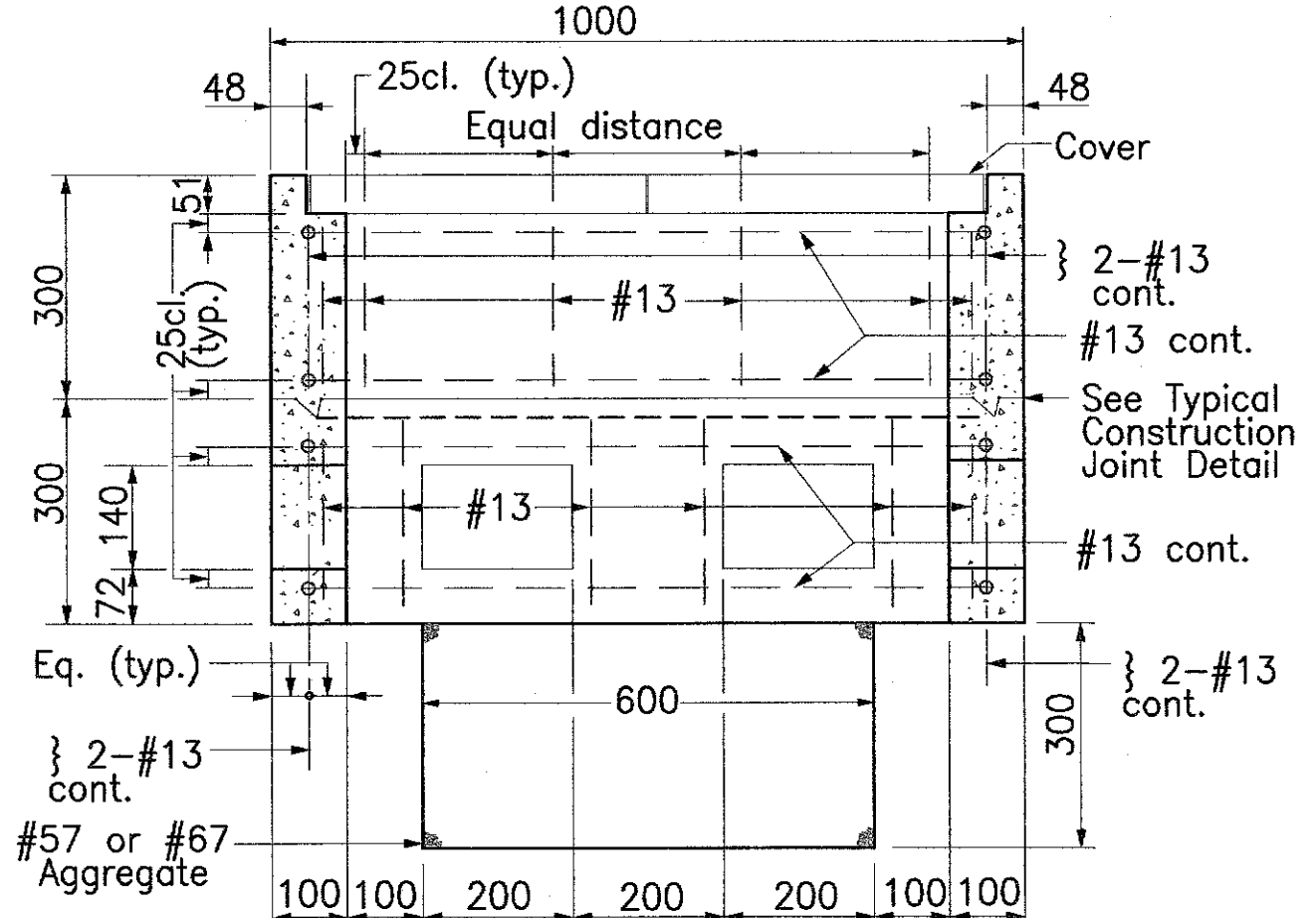
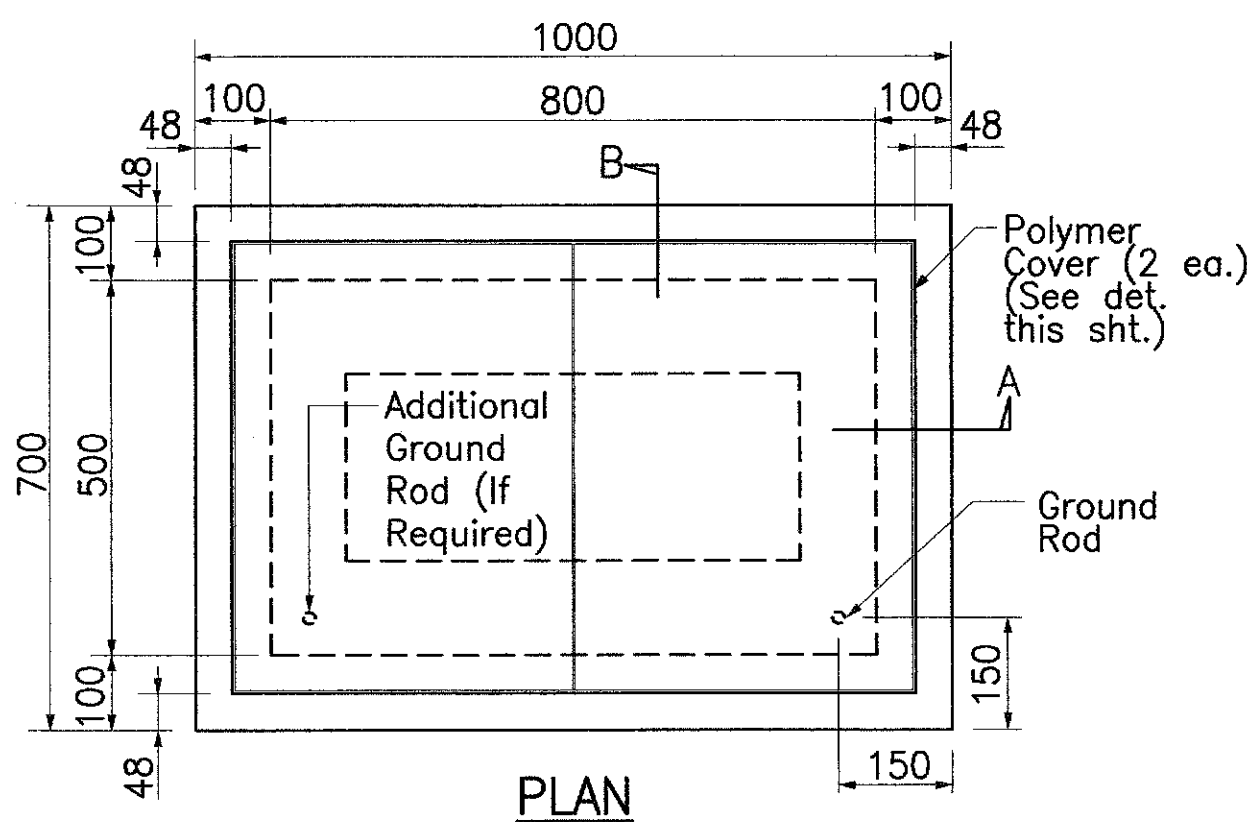
TYPICAL FLASHING COMPOUND
WATERPROOFING DETAILS
Not to Scale



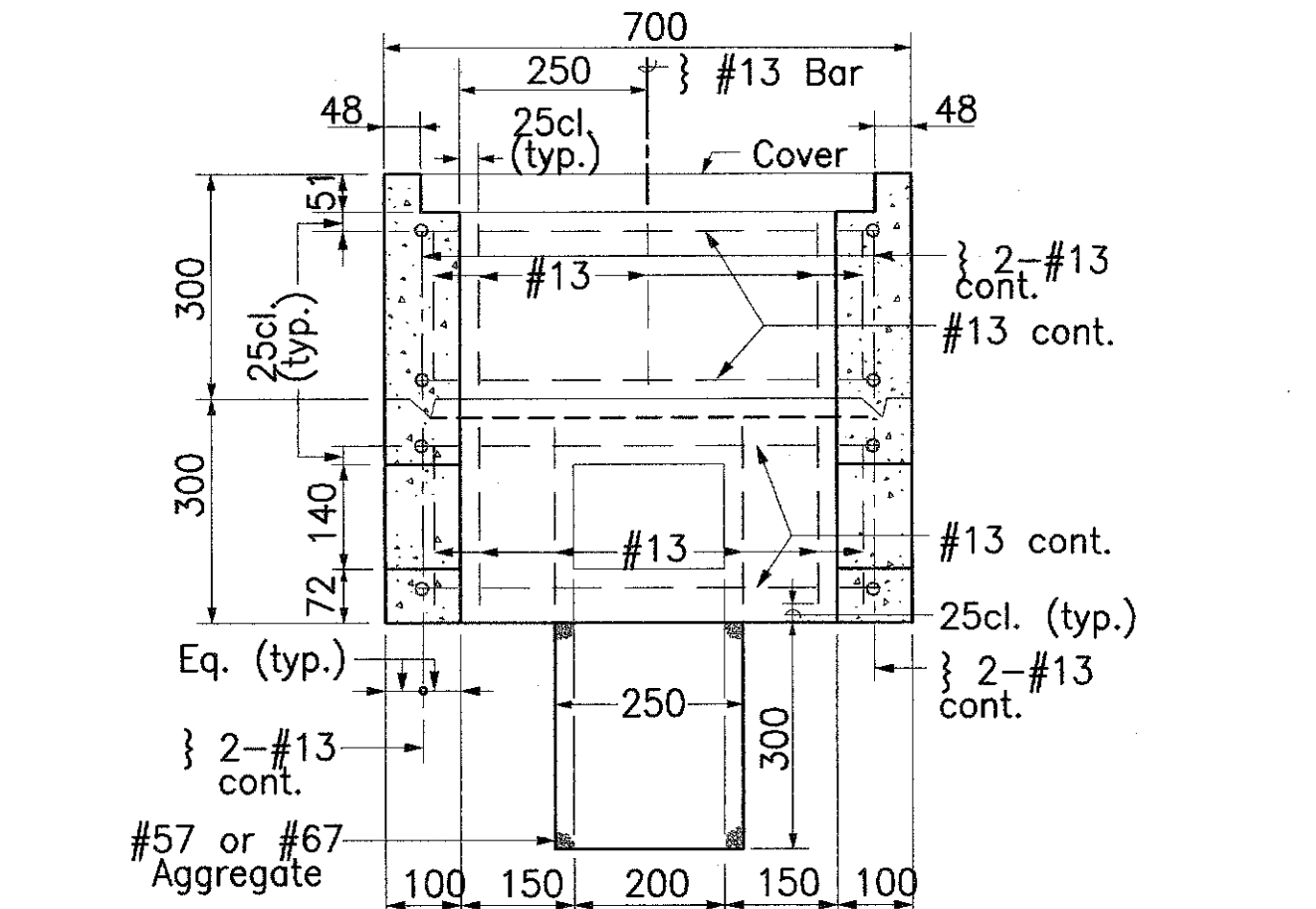
SECTION A-A



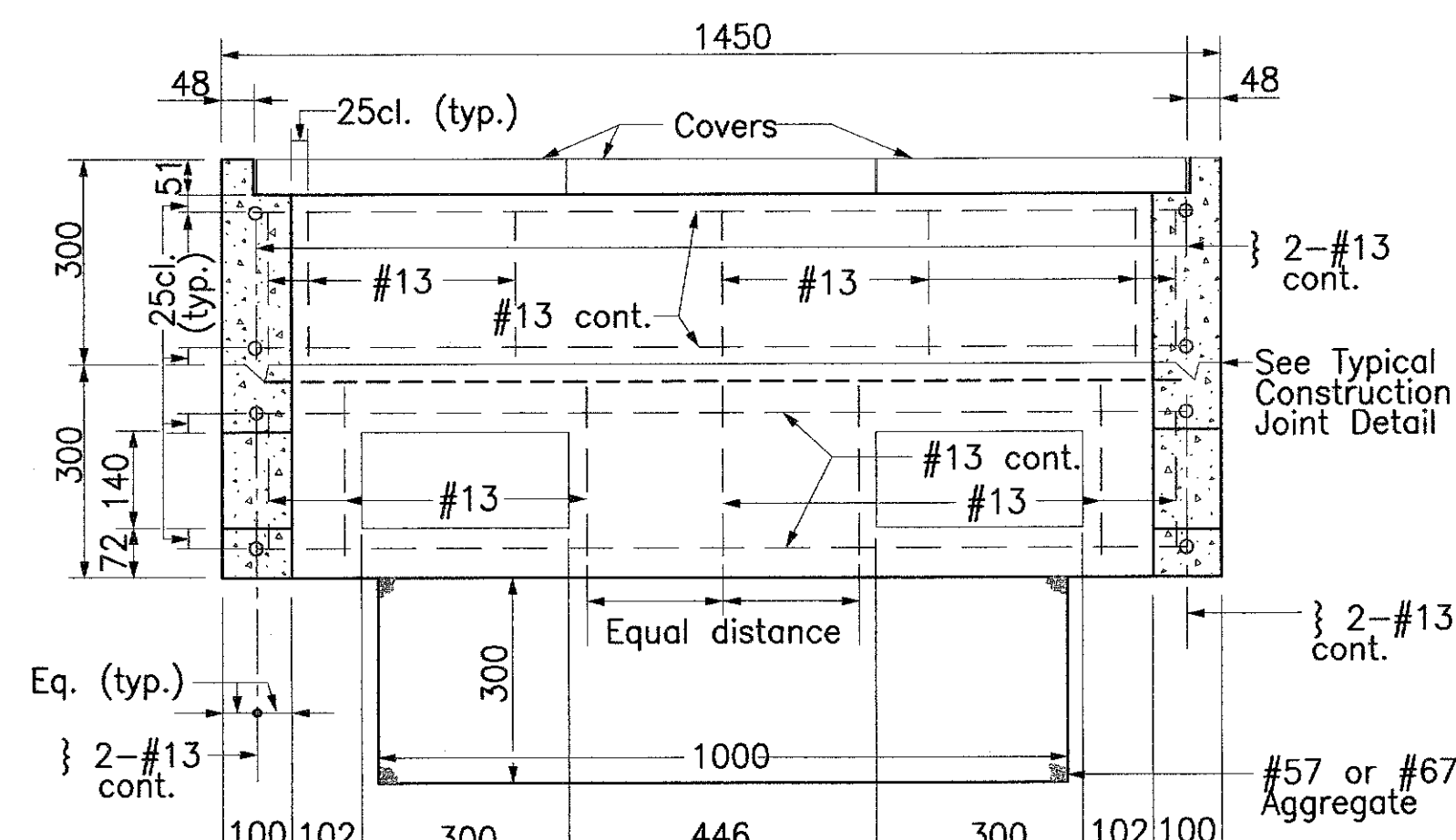
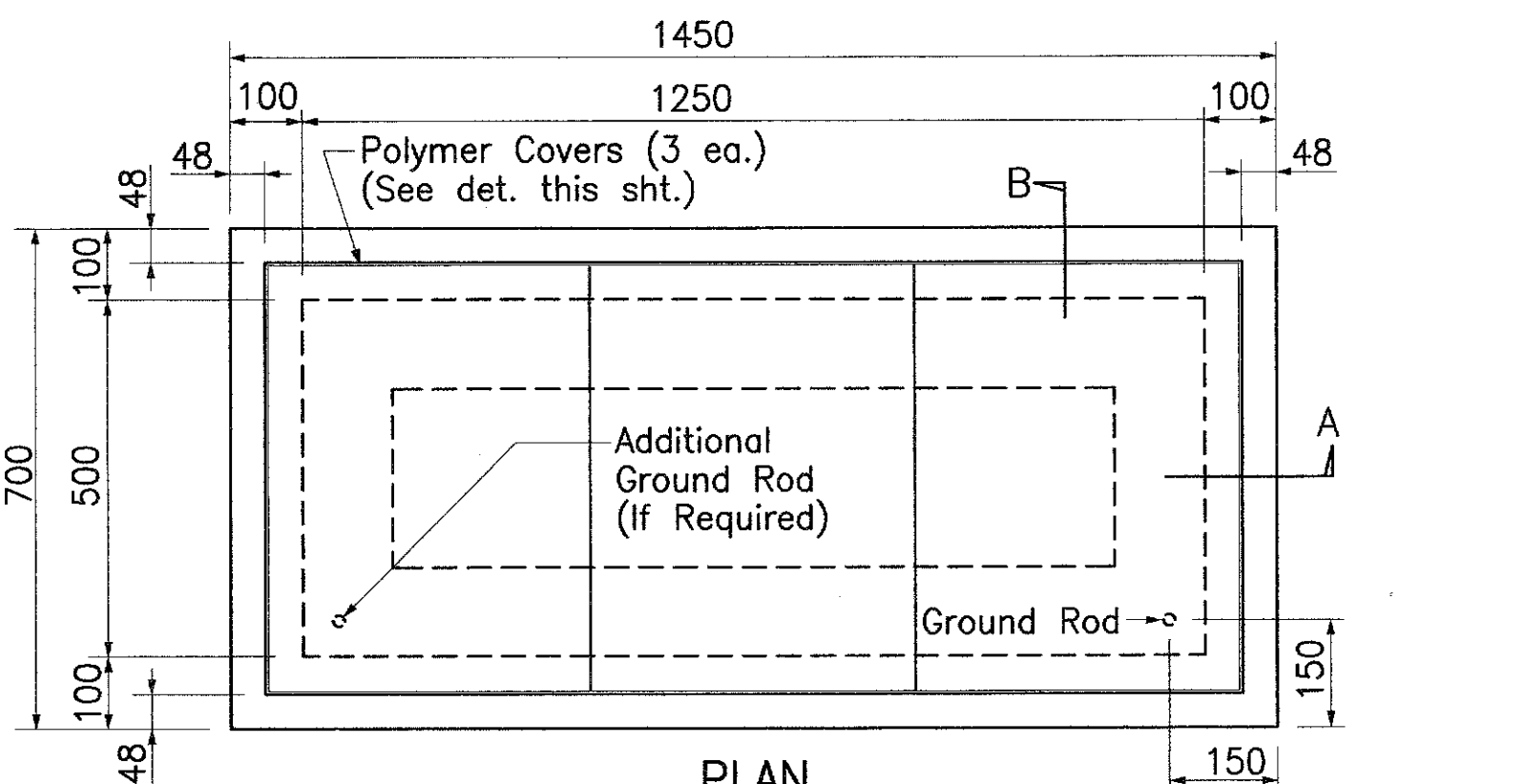
SECTION B-B
TYPE "A" PULLBOX
(Old Type "B")
Scale: 1 : 100



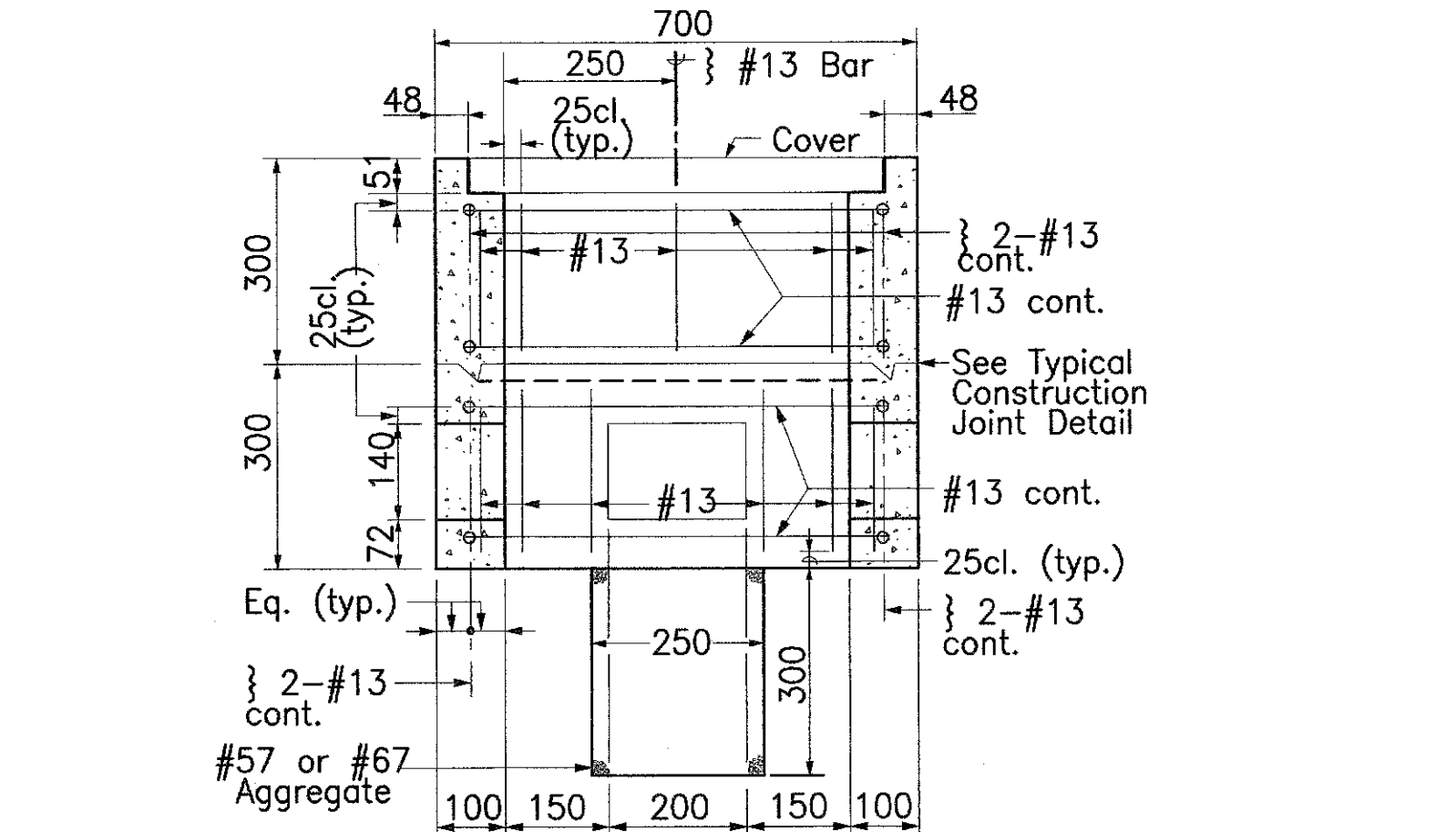
SECTION A-A



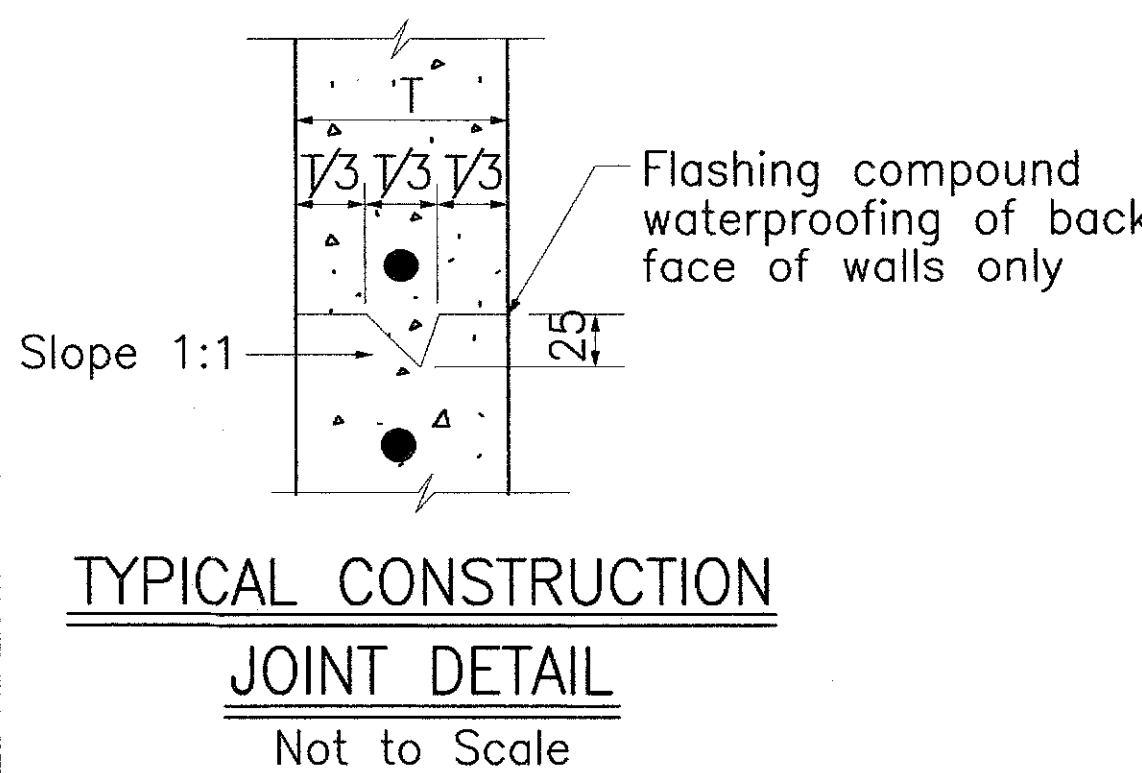
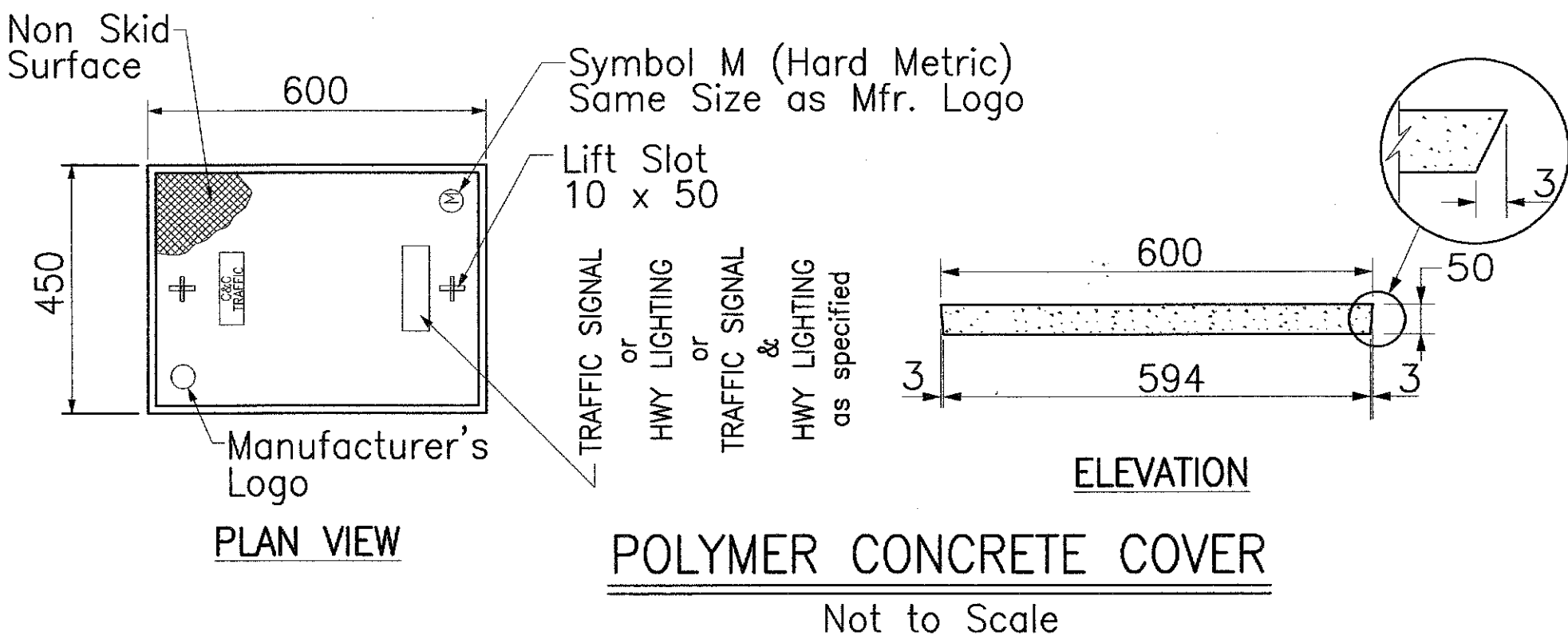
SECTION B-B
TYPE "B" PULLBOX (Old Type "C")
Scale: 1 : 100



SECTION A-A



SECTION B-B
TYPE "C" PULLBOX (Old Type "D")
Scale: 1 : 100



APPROVED:

Chief, Traffic Signals and Technology Division
Department of Transportation Services
City & County of Honolulu

REVISION		DATE	DESCRIPTION	ENGINEER	APPROVED
DEPARTMENT OF TRANSPORTATION SERVICES CITY & COUNTY OF HONOLULU					
TRAFFIC CONTROL SIGNALIZATION AT VARIOUS LOCATIONS ON OAHU, PHASE X FEDERAL-AID NO. STP-0001(36)					
TRAFFIC SIGNAL PULLBOX DETAILS					
DESIGN	LHY			C-41	
DRAWN	LHY			SHEET 41	
CHECKED	KKN			OF 42 SHEETS	
DATE	08/04/08				
PROJECT NO.		FILE	DRAW	FOLDER	
		FILE	POCKET	FOLDER	NO.