

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-1500(35)	2008	31	41

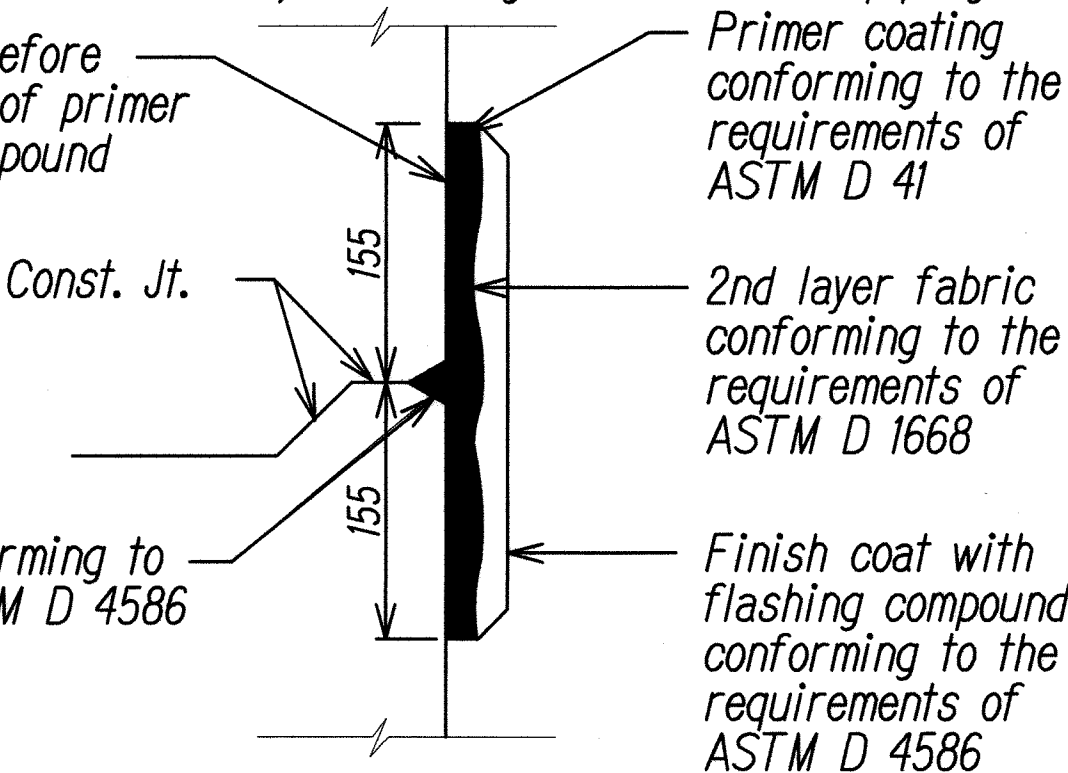
ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE SHOWN

GENERAL NOTES

- Provide a minimum of one 160 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.
- All pre-cast concrete pullboxes shall be manufactured in two pieces.
- The pullbox with cover shall be capable of supporting an MS 18 Loading.
- The maximum weight of the pullbox cover shall not exceed 27 kilograms.
- The openings for the conduits on all pullboxes shall be pre-cast concrete knockouts.
- 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.
- 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.
- All concrete shall be Class A (21MPa or 3000PSI, min.).
- Rebars shall be Grade 300 and all lapped splices shall be 360mm minimum.
- The #57 or #67 size aggregate shall conform to latest version of AASHTO M43 (ASTM D 448).

- 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).

Clean concrete surface before application of first coat of primer coating and flashing compound



Flashing compound conforming to the requirements of ASTM D 4586

TYPICAL FLASHING COMPOUND WATERPROOFING DETAILS

Not to Scale

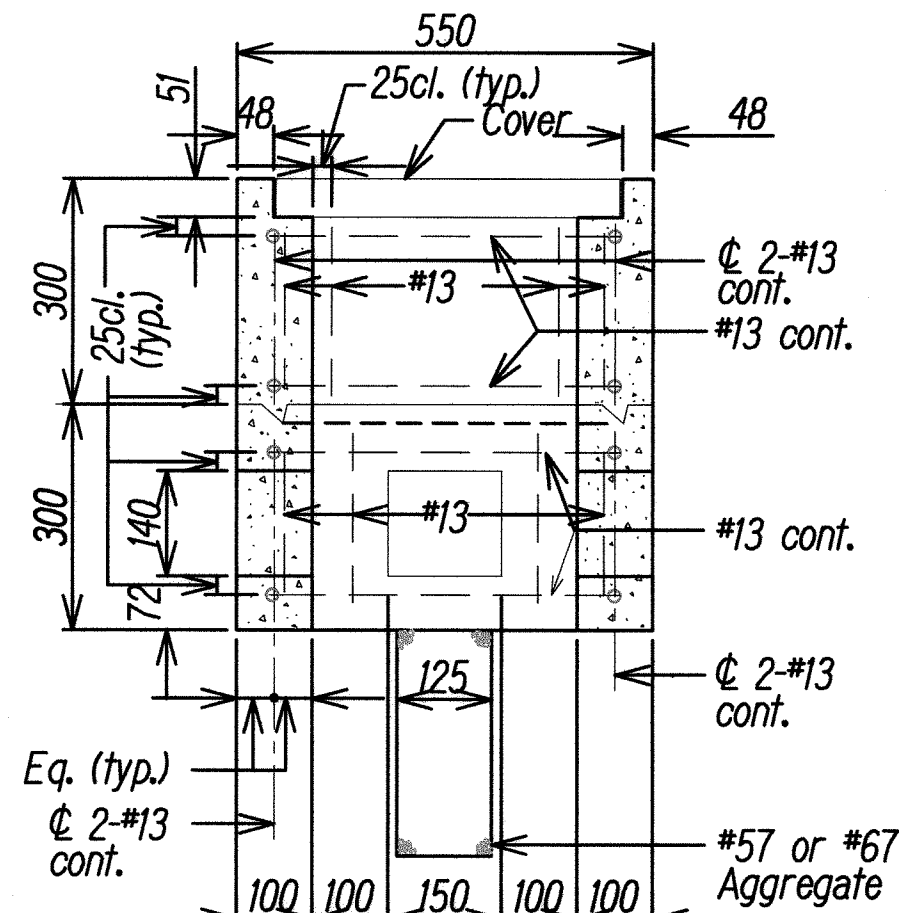
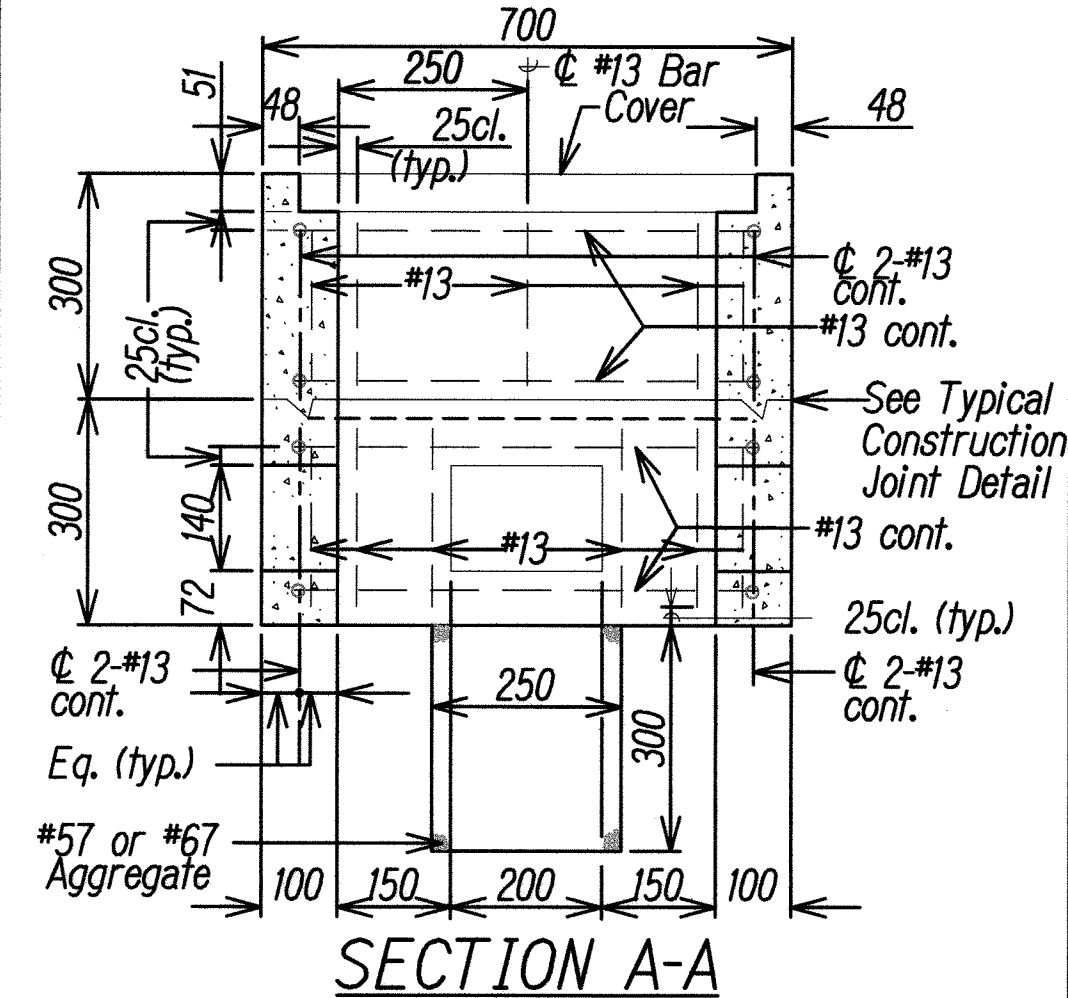
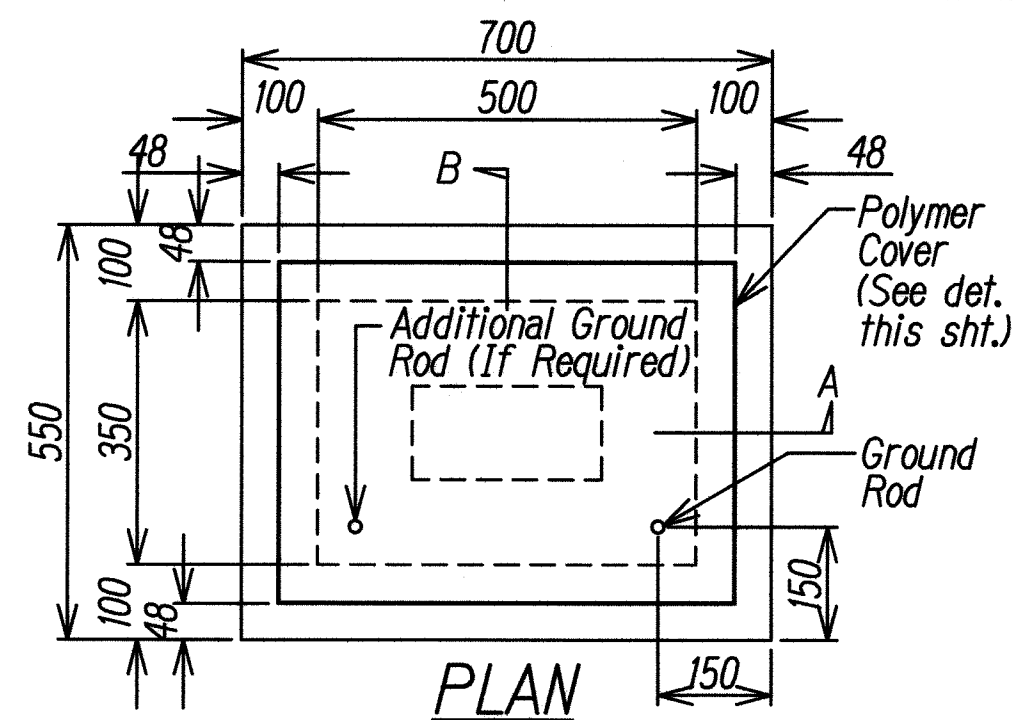
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PULLBOX DETAILS

TRAFFIC COUNTING STATIONS
AT VARIOUS LOCATIONS
F.A.P. NO. STP-1500(35)

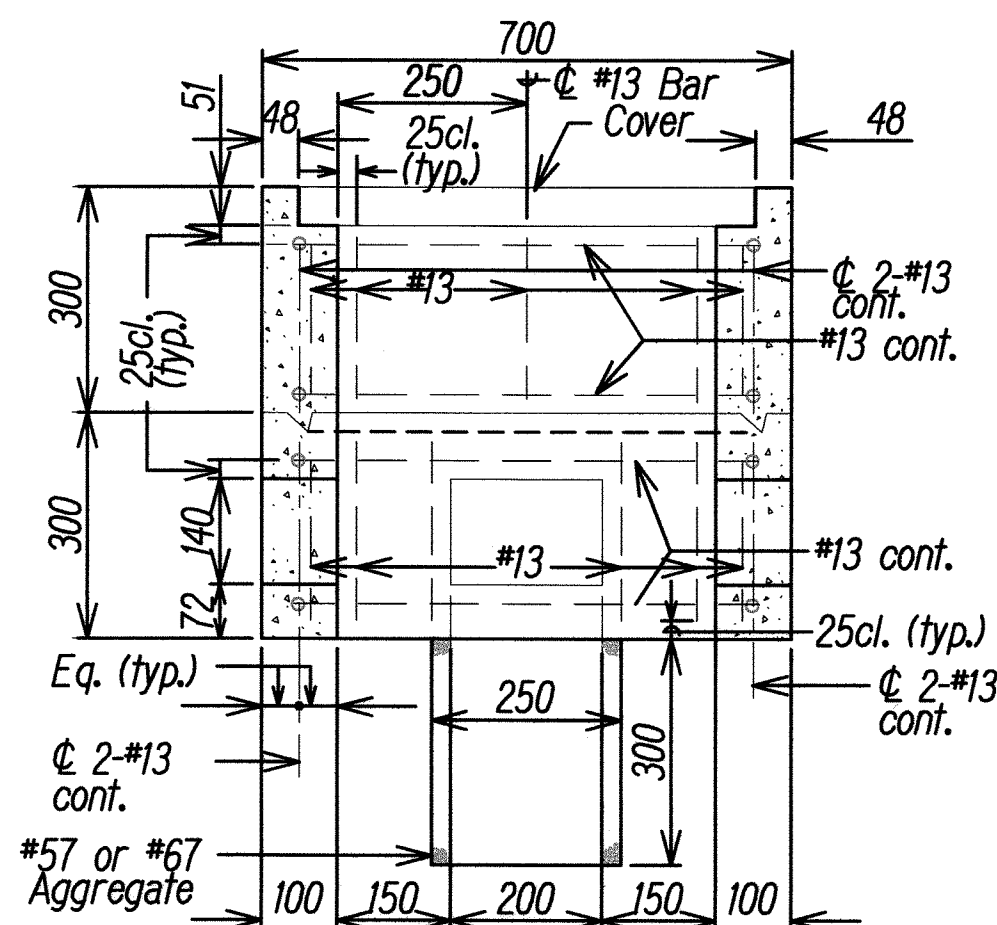
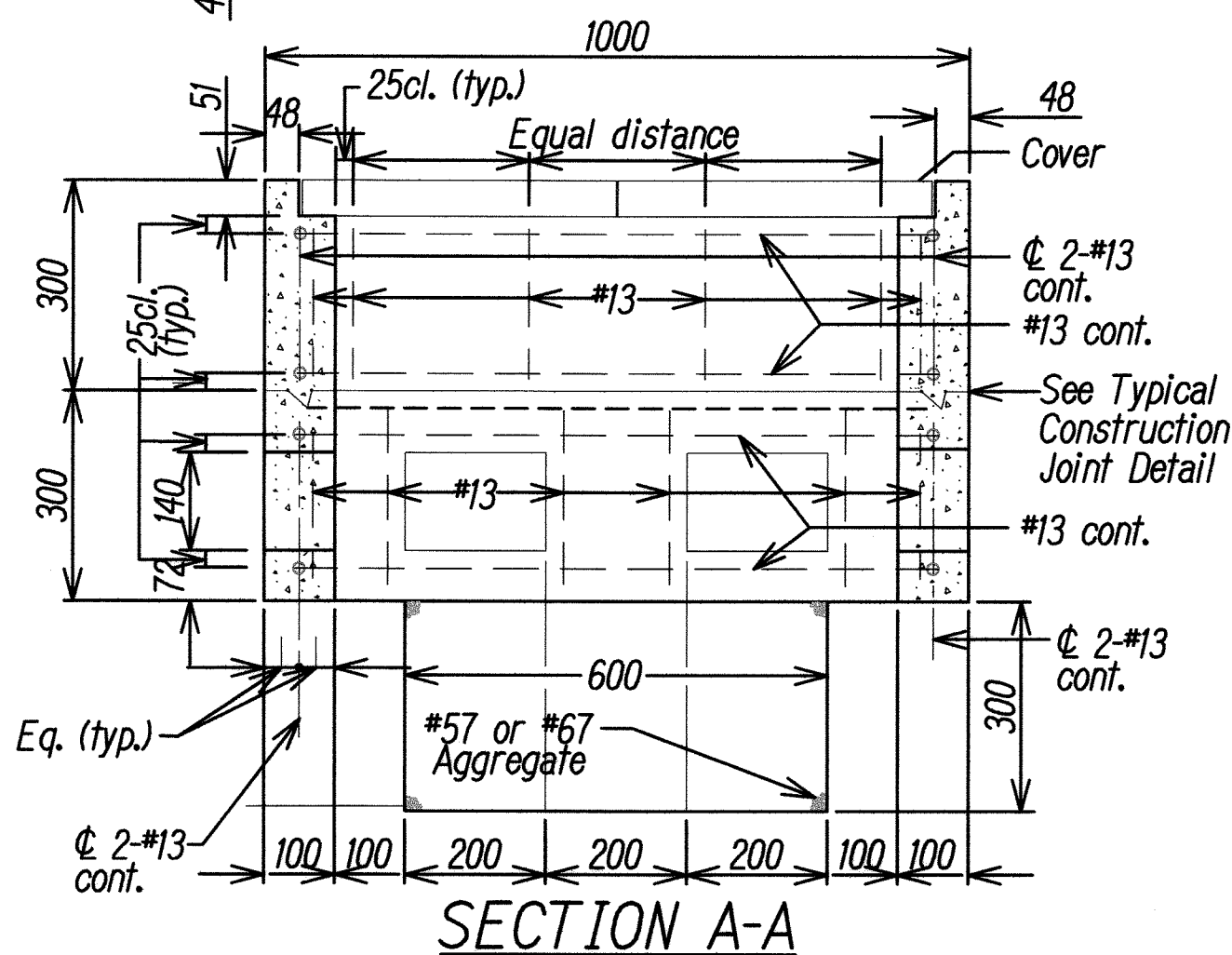
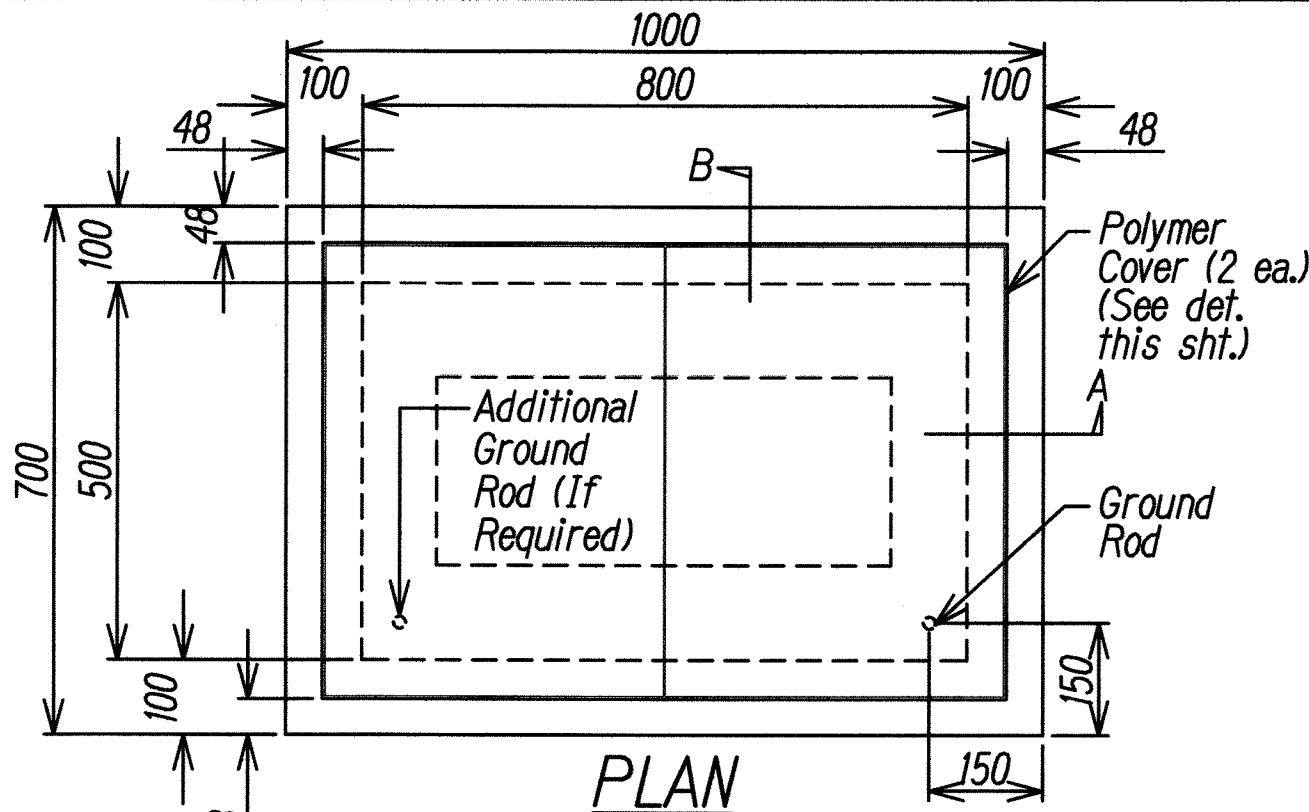
Scale: As Shown Date: June 2008

SHEET No. C-24 OF 24 SHEETS



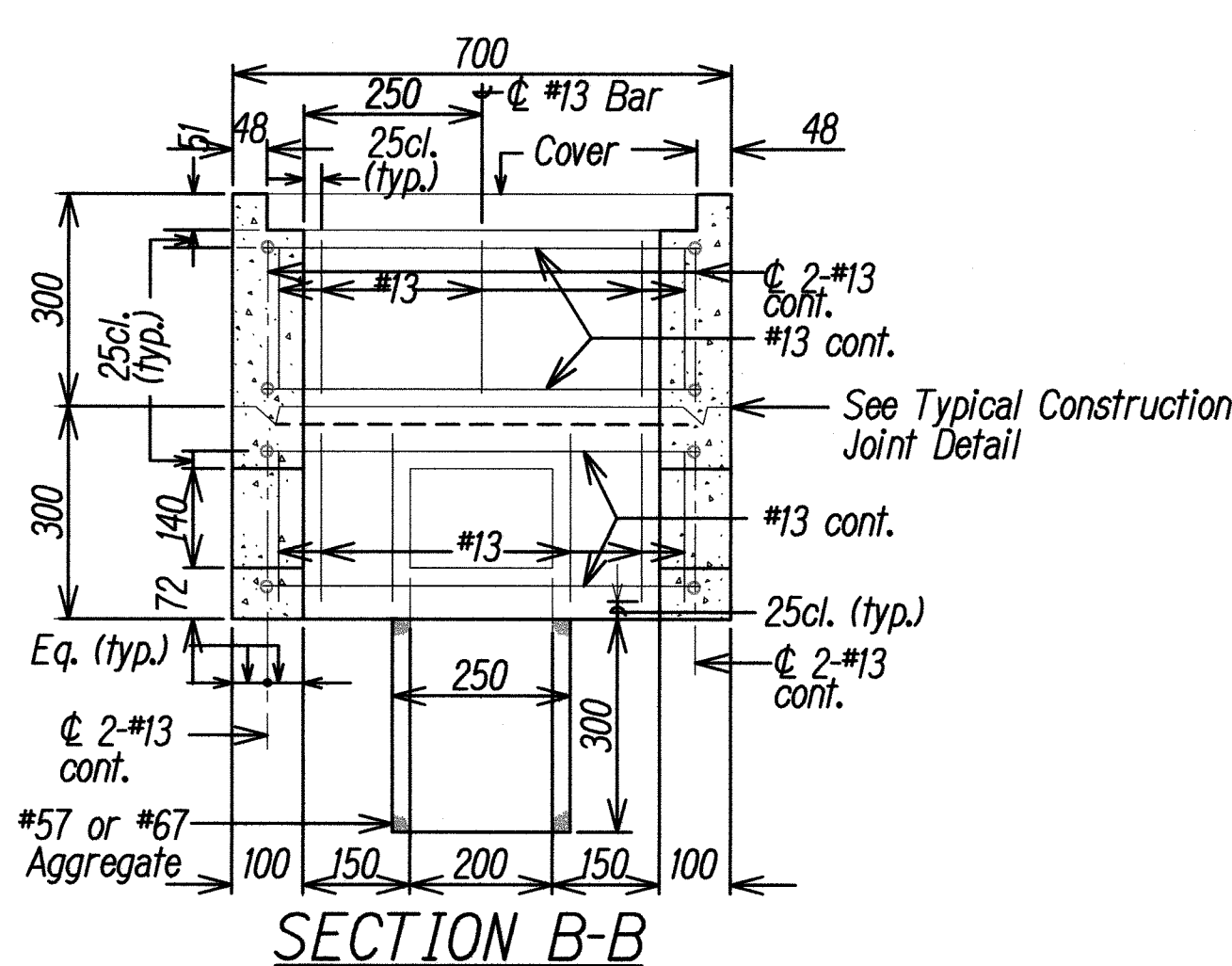
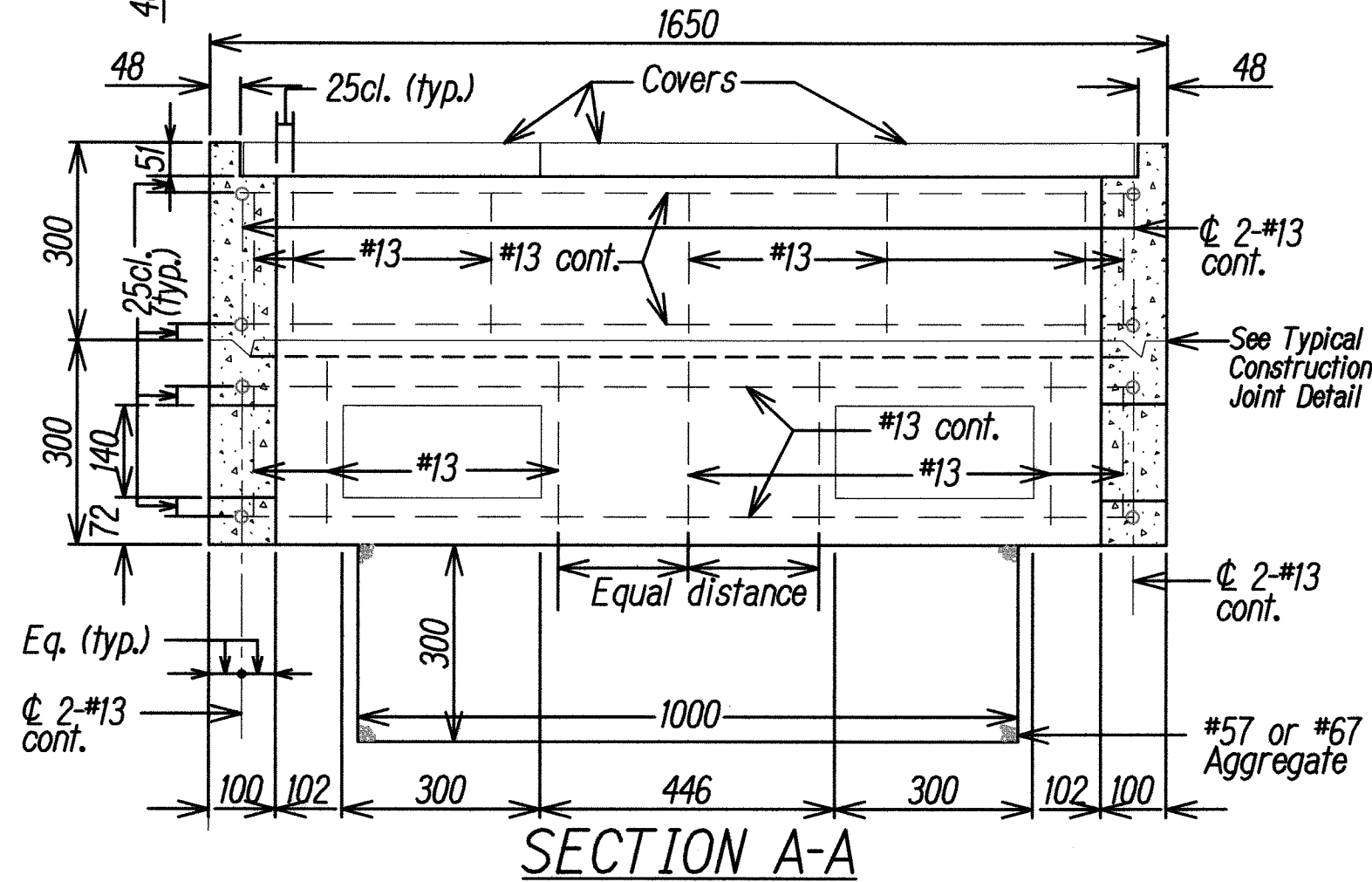
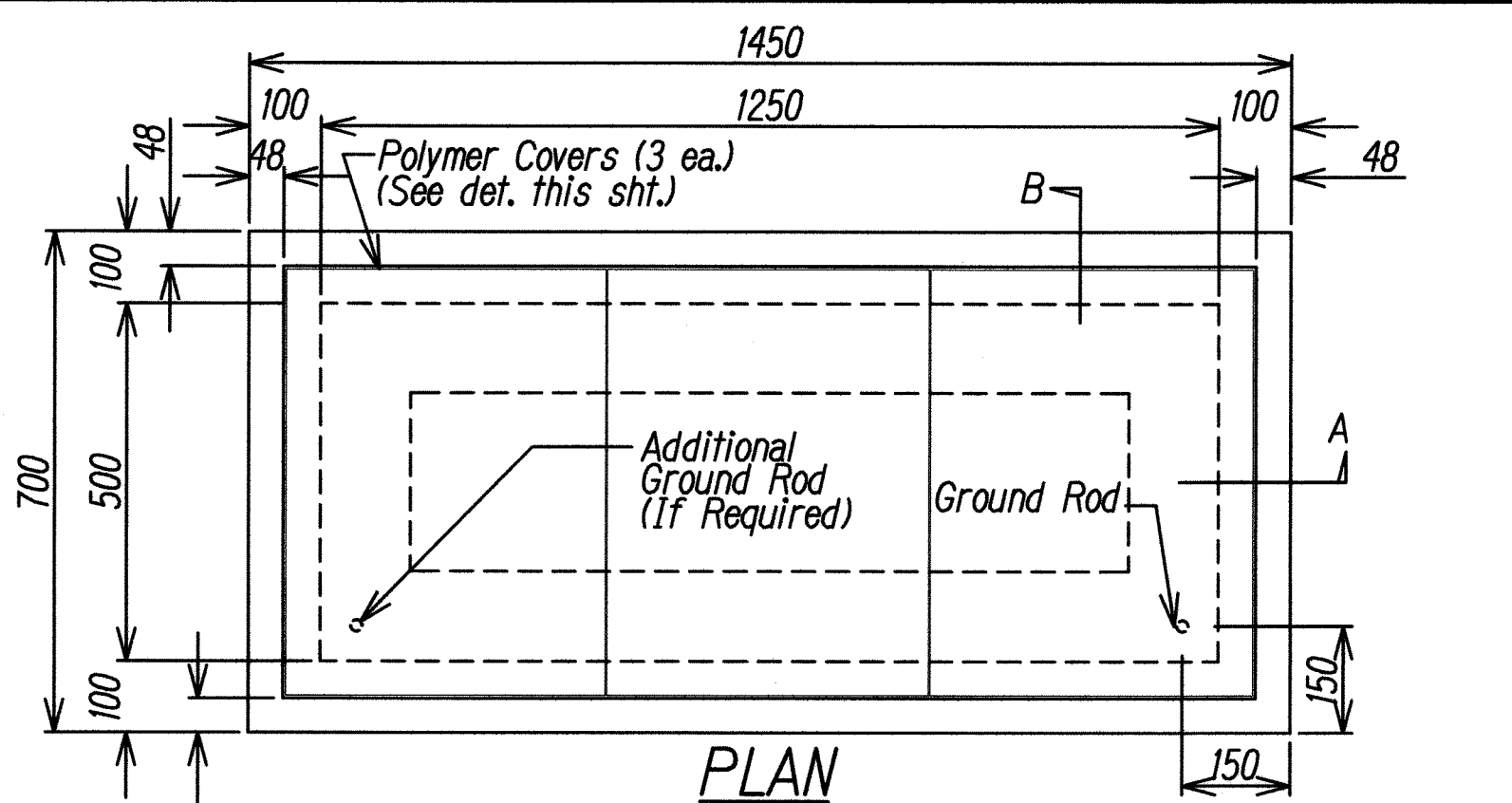
TYPE "A" PULLBOX (Old Type "B")

Scale: 1 : 100



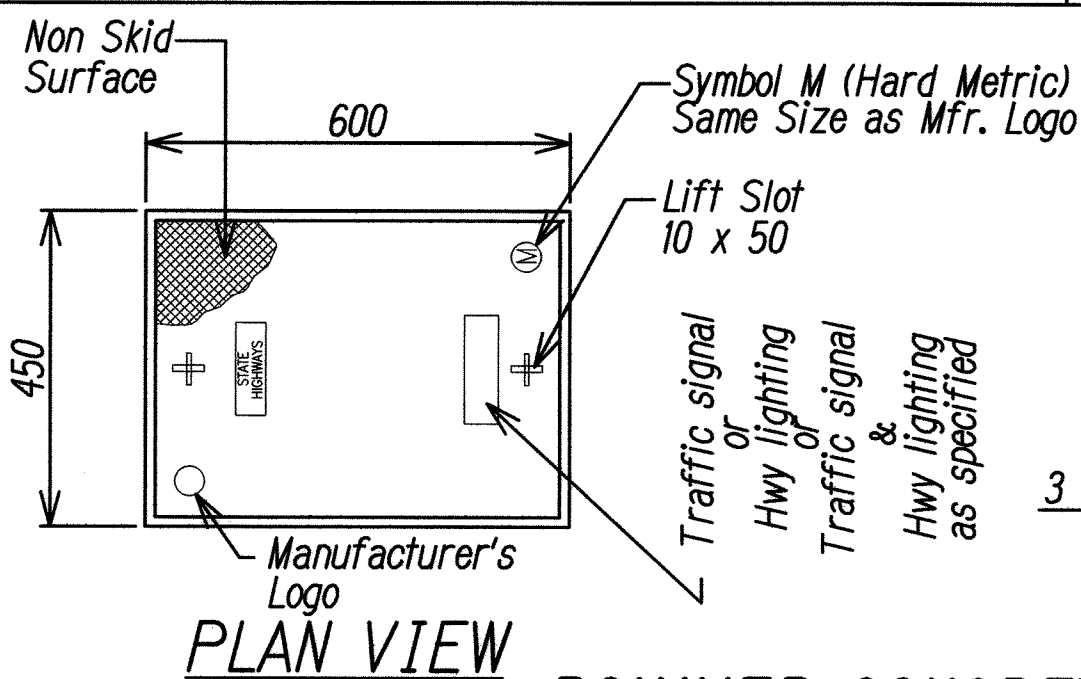
TYPE "B" PULLBOX (Old Type "C")

Scale: 1 : 100



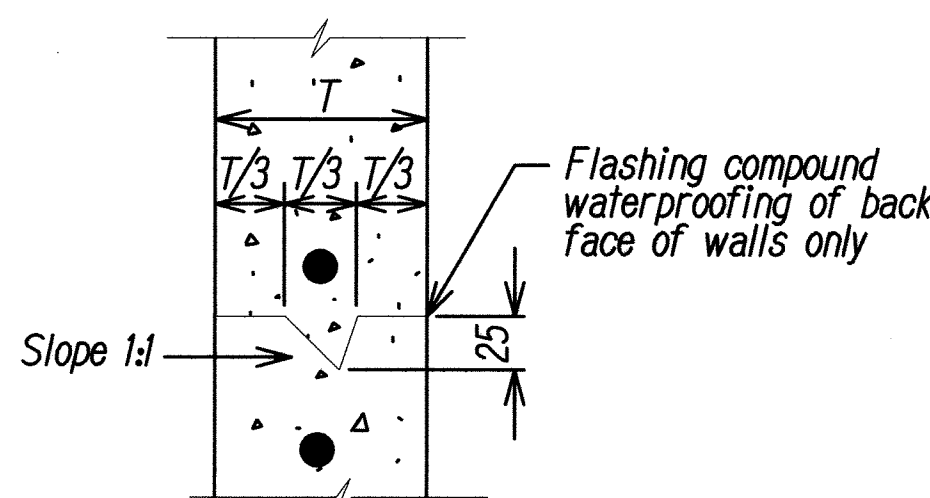
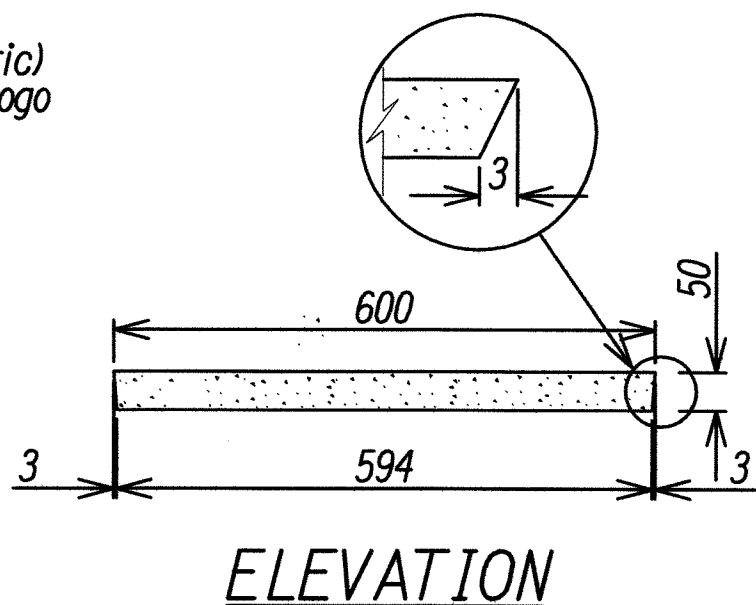
TYPE "C" PULLBOX (Old Type "D")

Scale: 1 : 100



POLYMER CONCRETE COVER

Not to Scale



Not to Scale

ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
NO.	