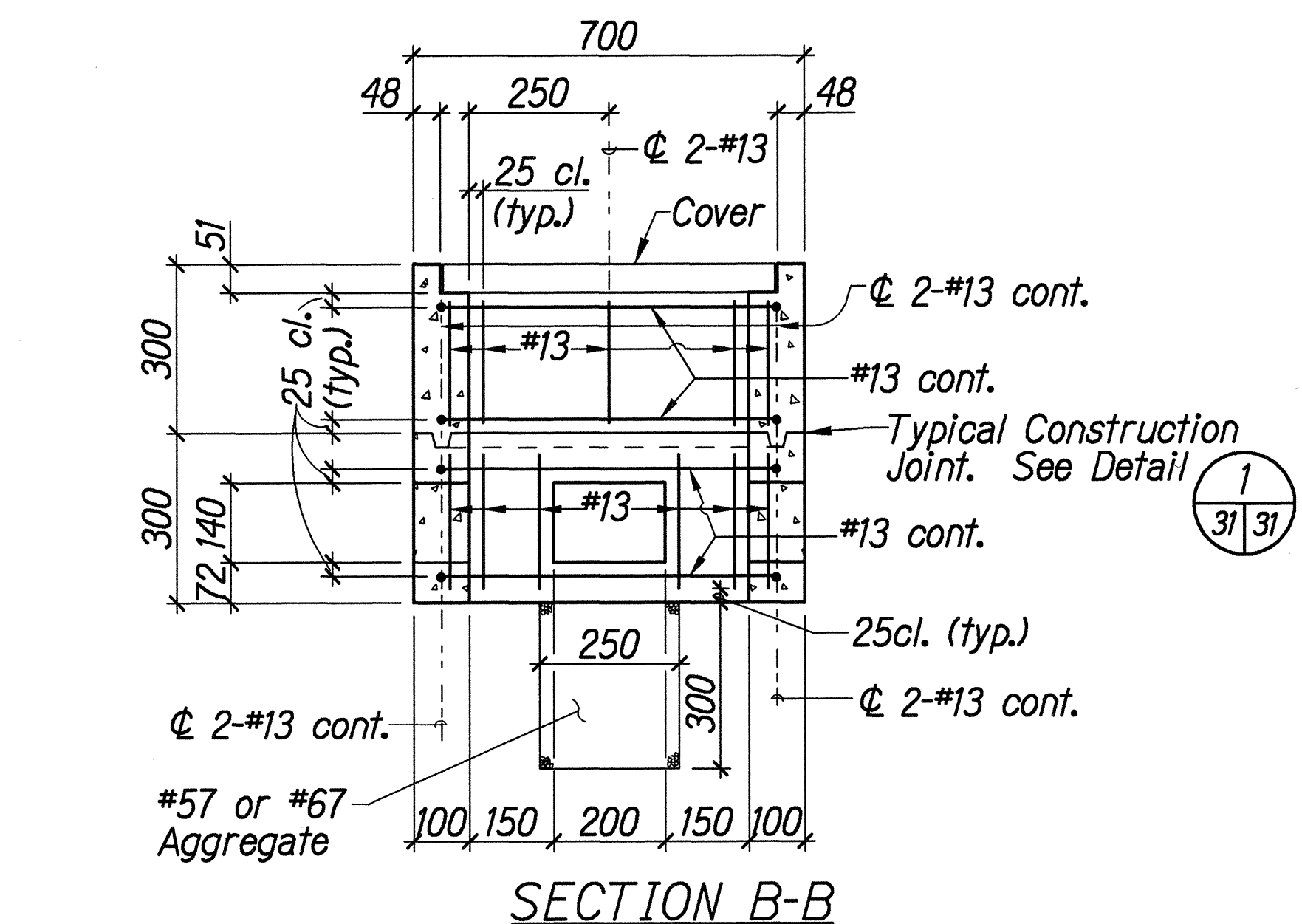
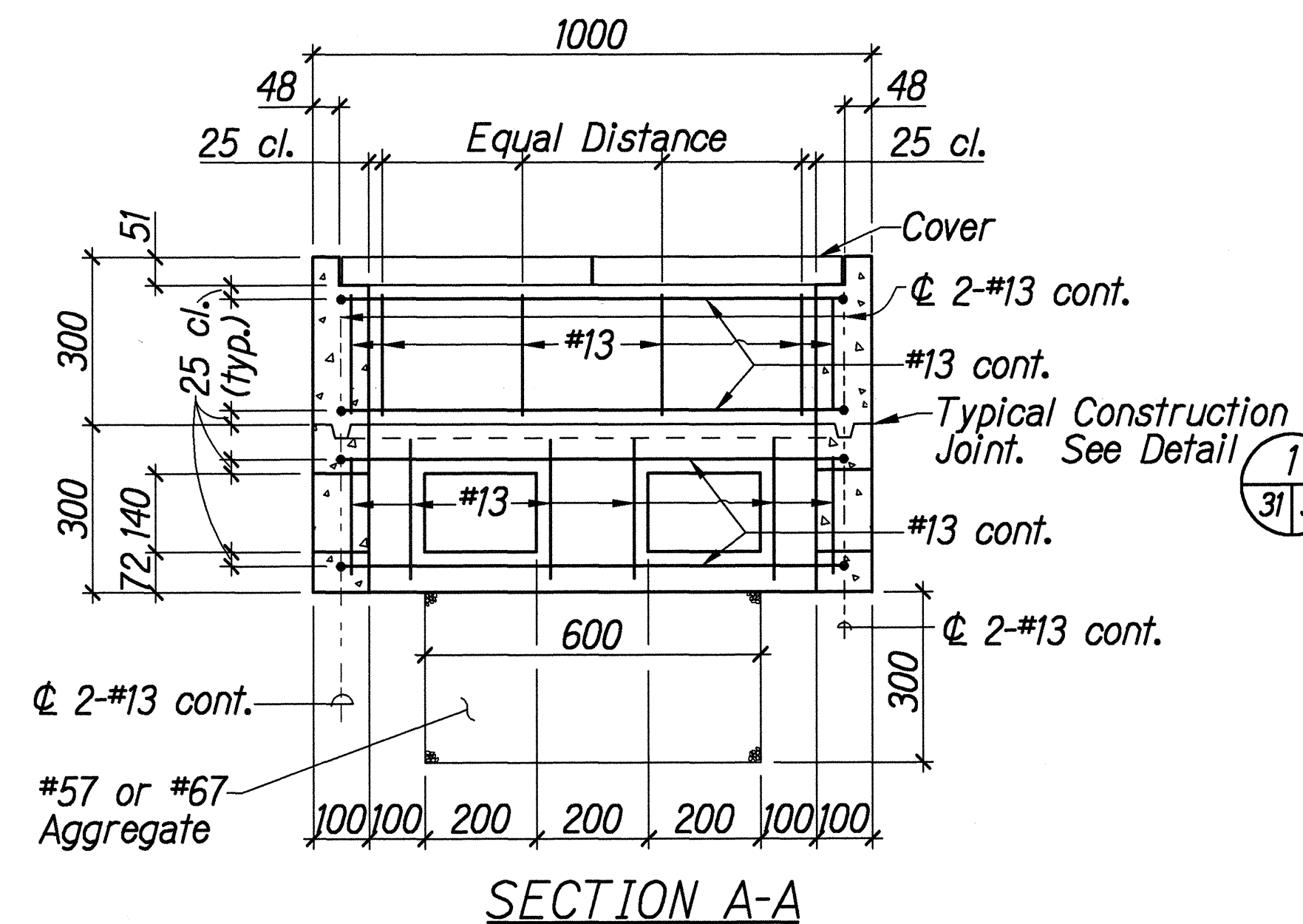
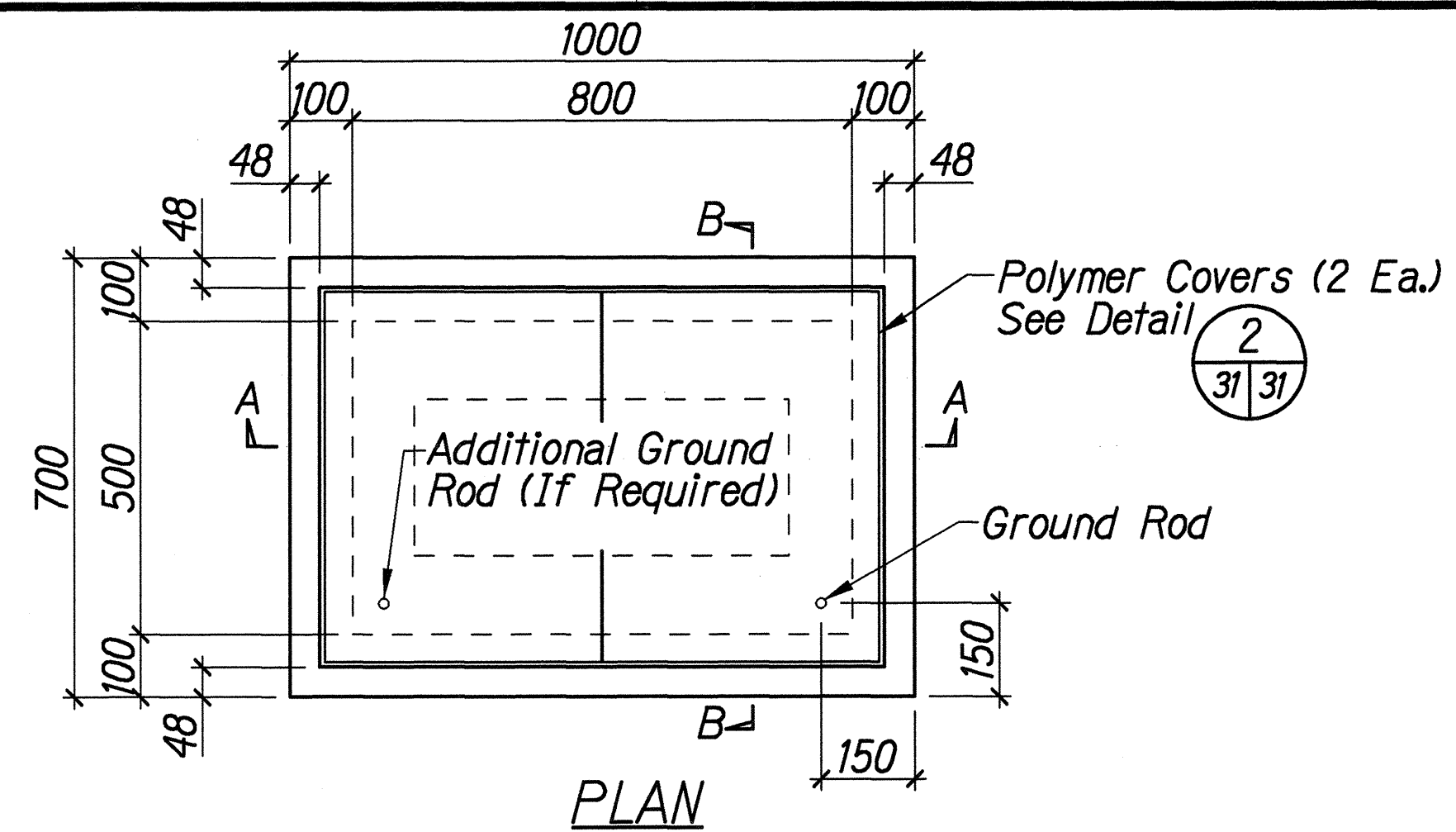
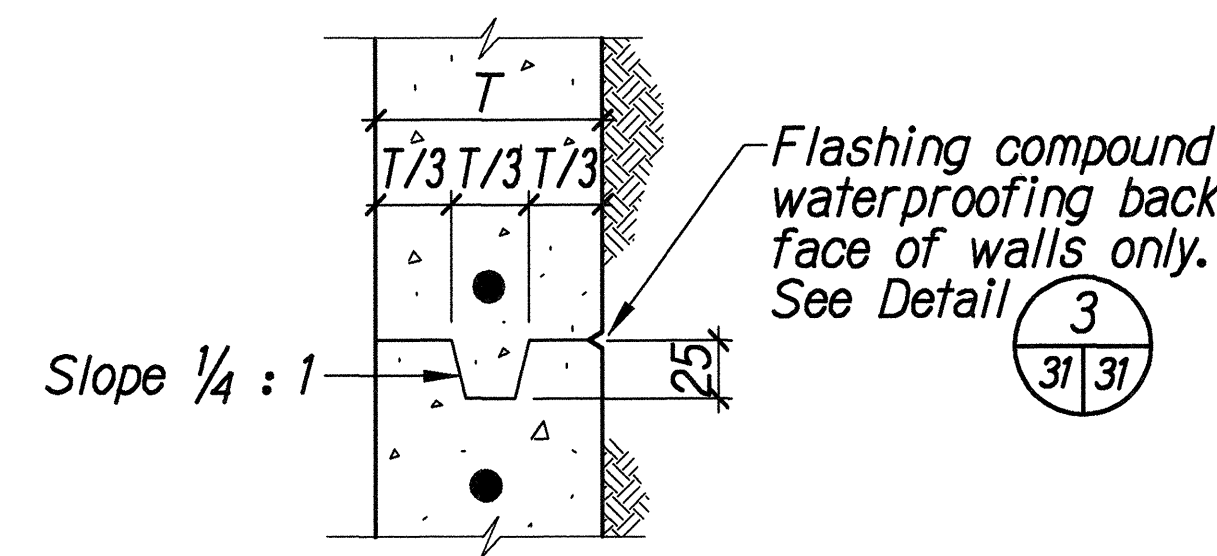


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(6)	2001	31	33

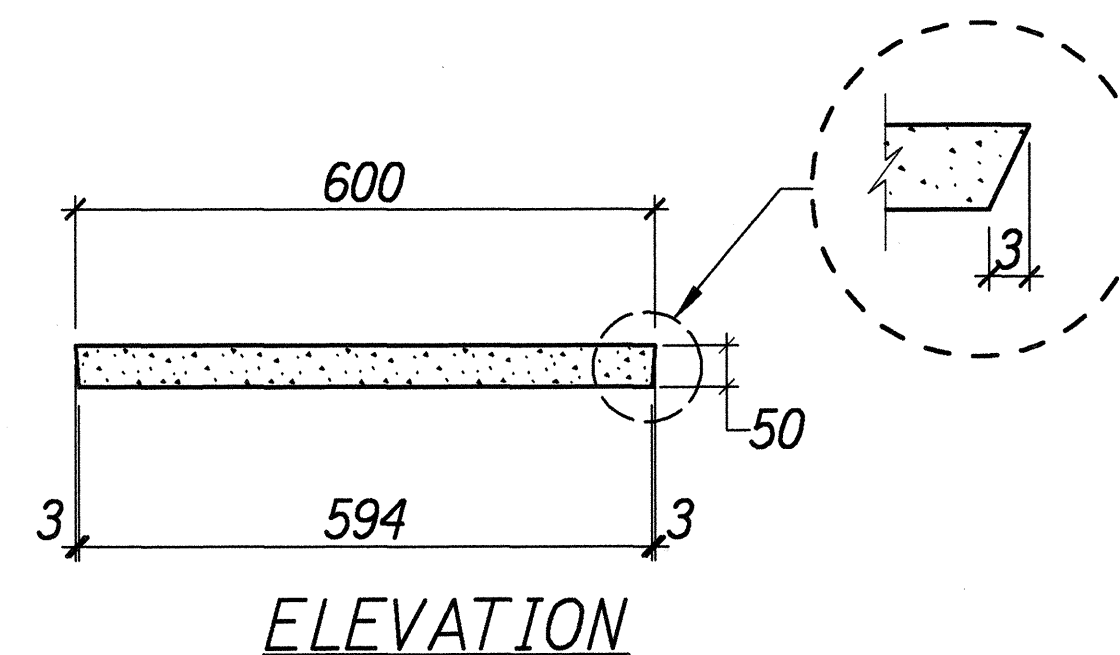
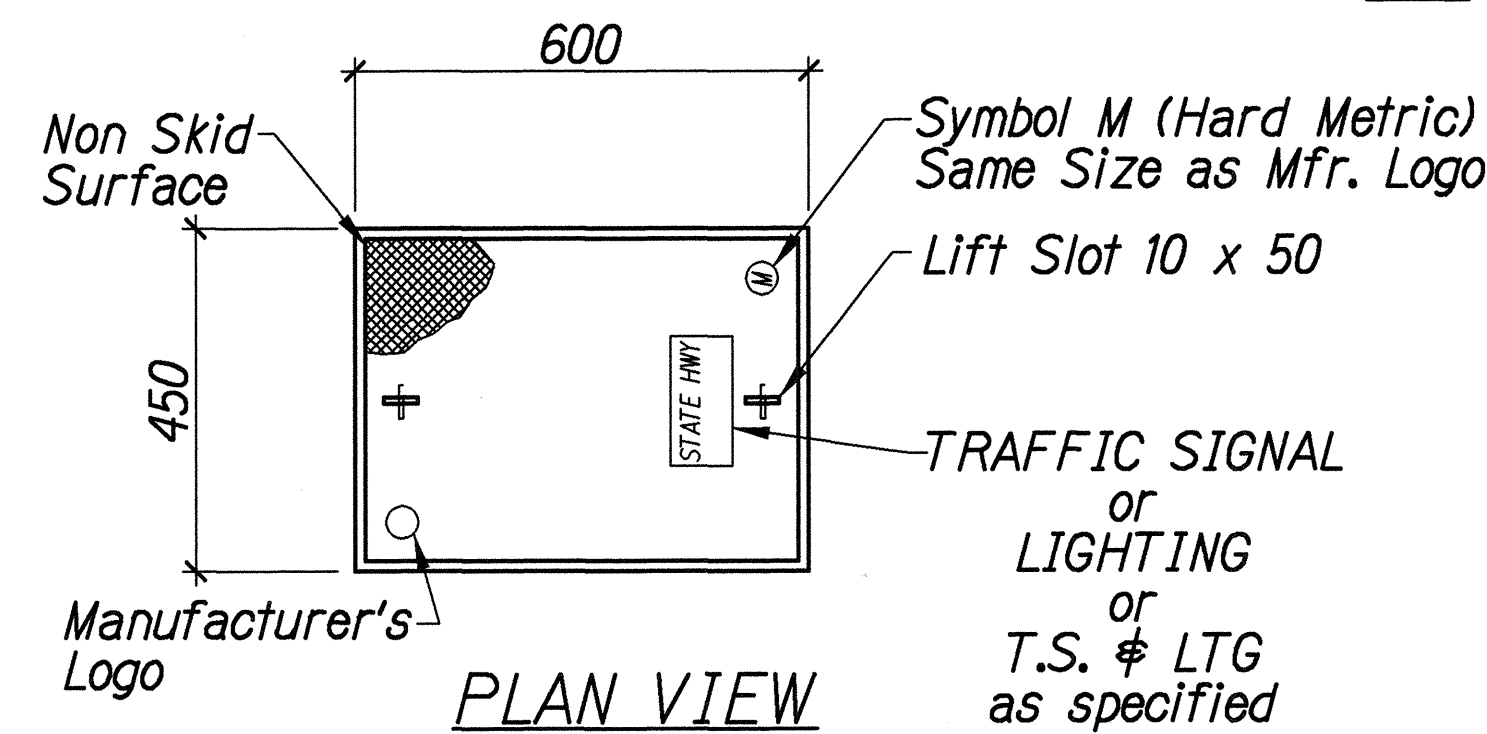
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.



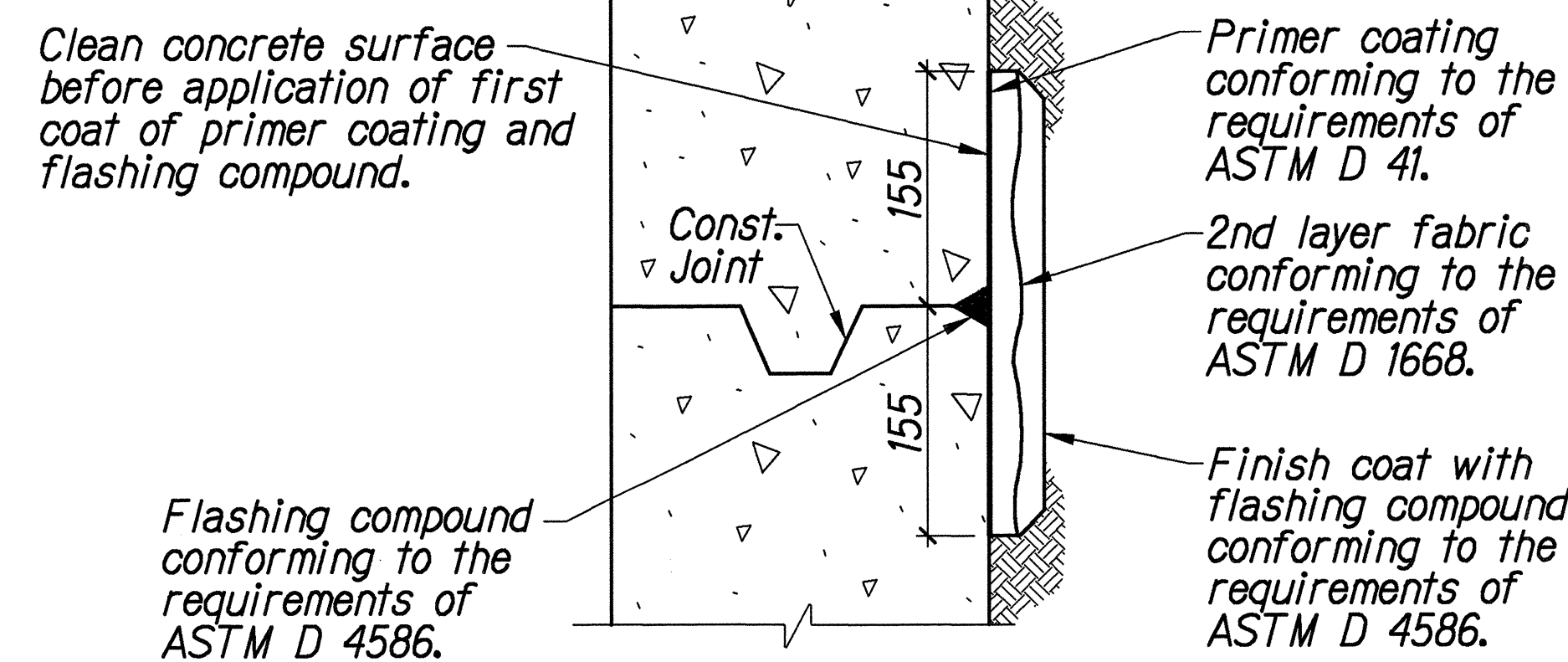
TYPE "B" PULLBOX (Old Type "C")
Scale: 1:10



TYP. CONSTRUCTION JOINT DETAIL
Not to Scale



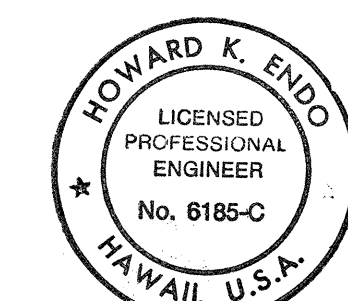
POLYMER CONCRETE COVER
Not to Scale



TYPICAL FLASHING COMPOUND WATERPROOFING DETAILS
Not to Scale

METRIC PULLBOX NOTES:

1. Provide a minimum of one 16.0 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 (25MPa, 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).



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
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Honolulu, Hawaii 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PULLBOX & COVER DETAILS

Fort Weaver Road
Traffic Signal Modernization
Federal-Aid Project No. CMAQ-076-1(6)

Scale: As Noted Date: Sept., 2000

SHEET No. 1 OF 3 SHEETS