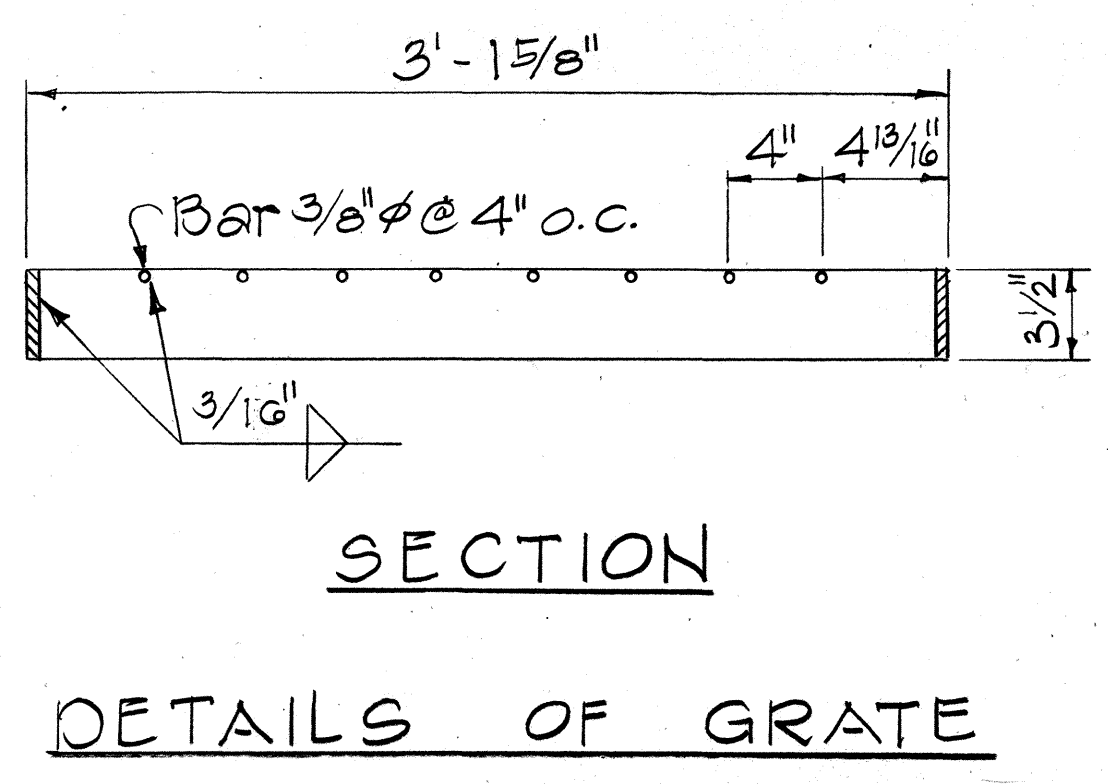
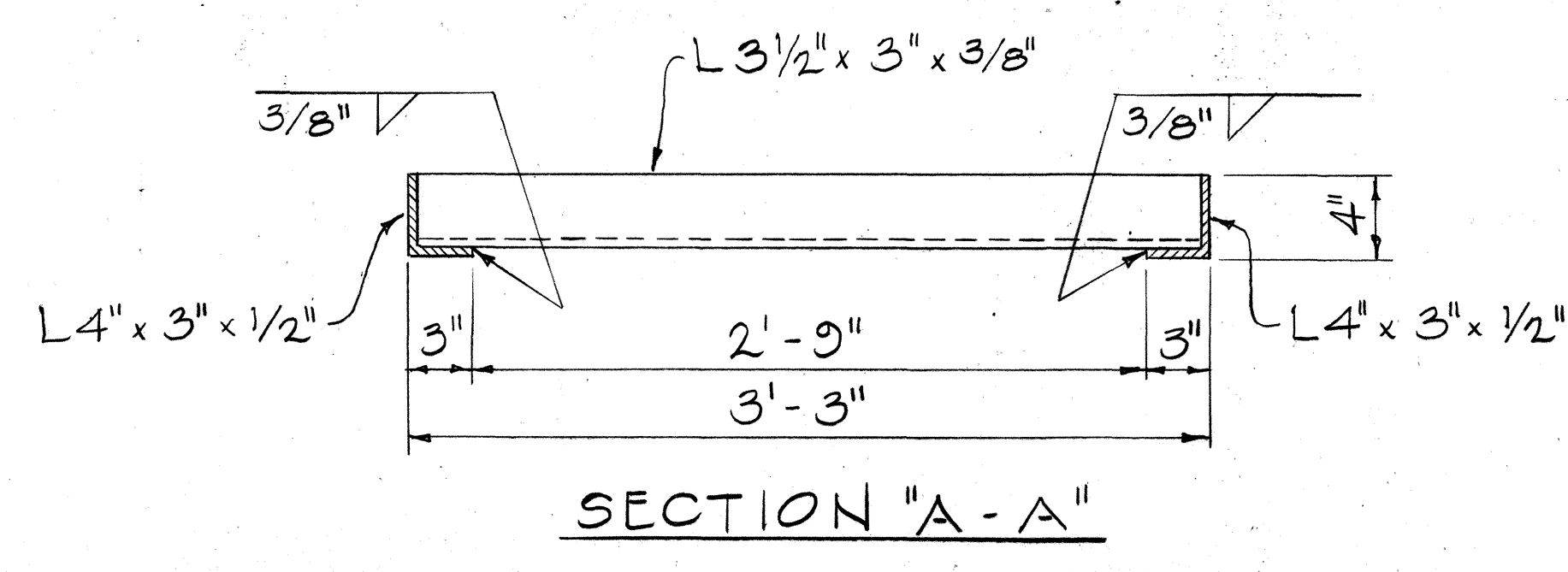
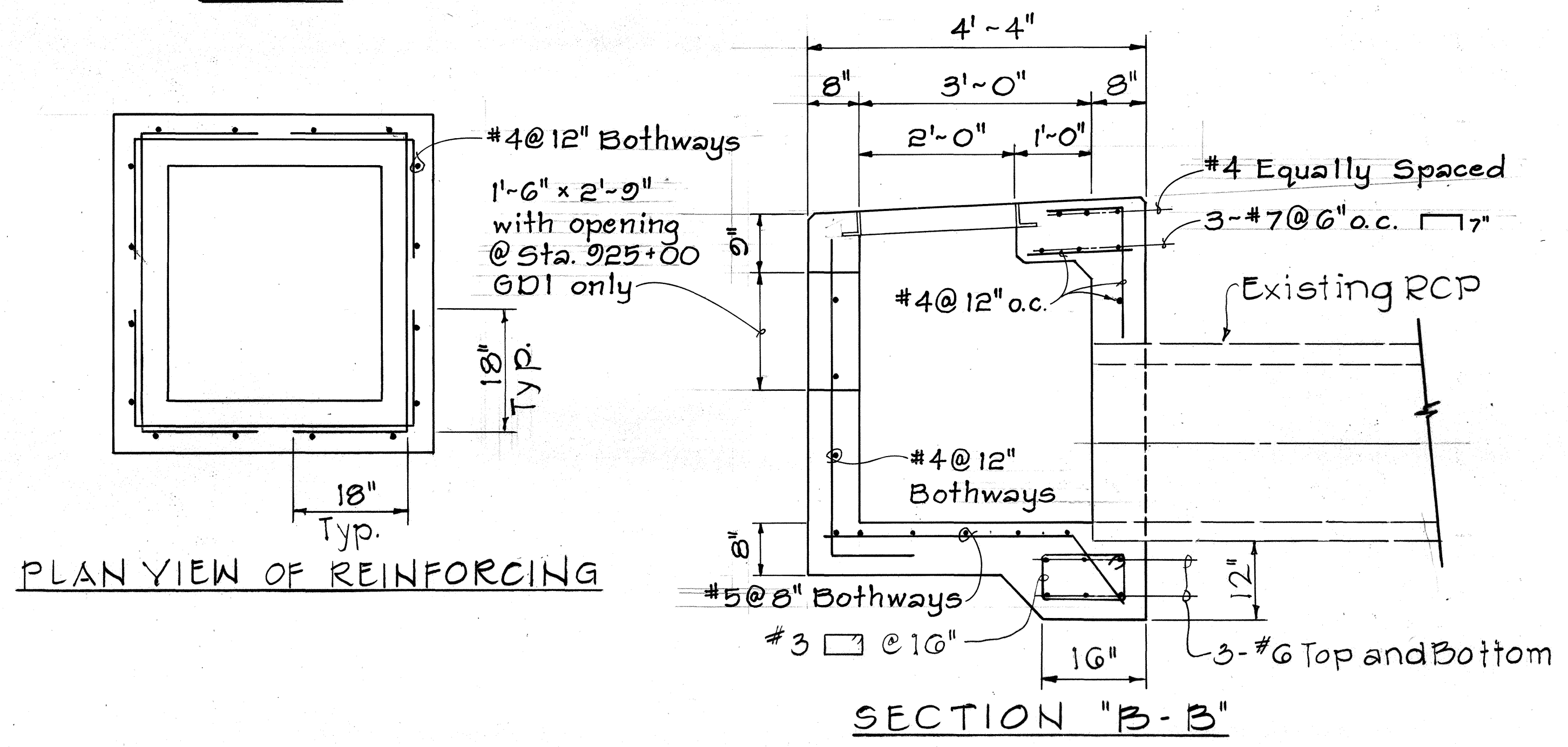
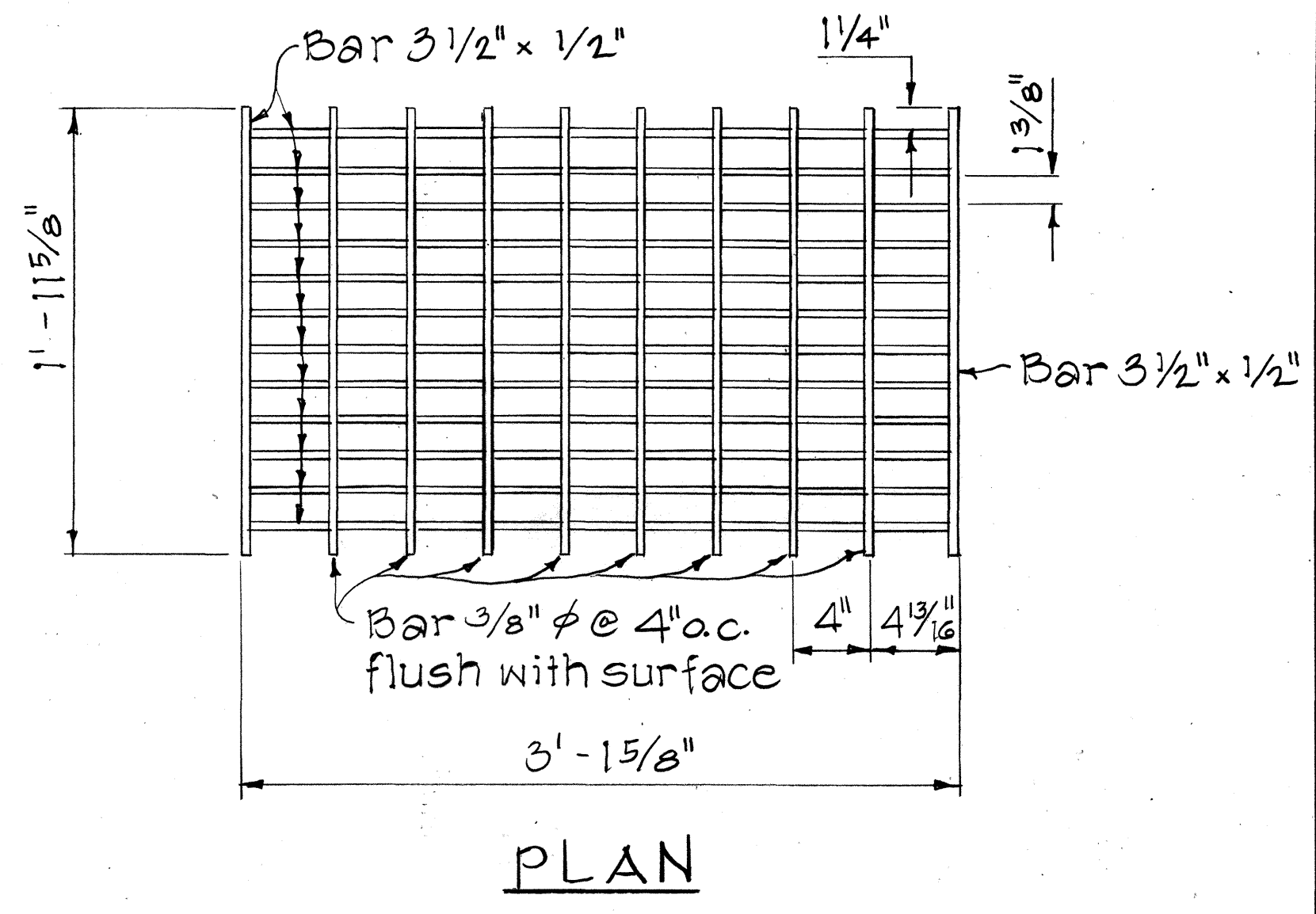
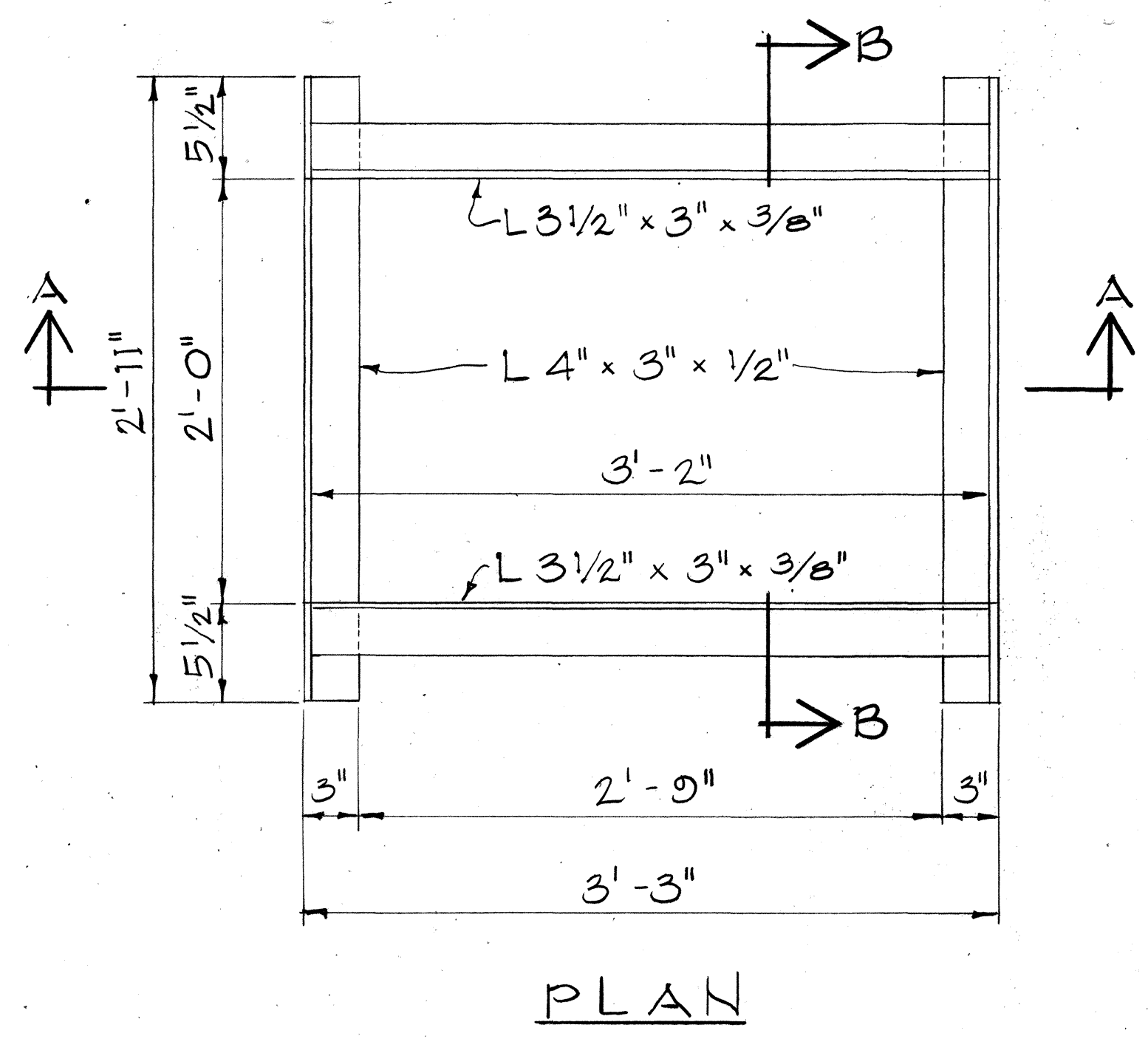
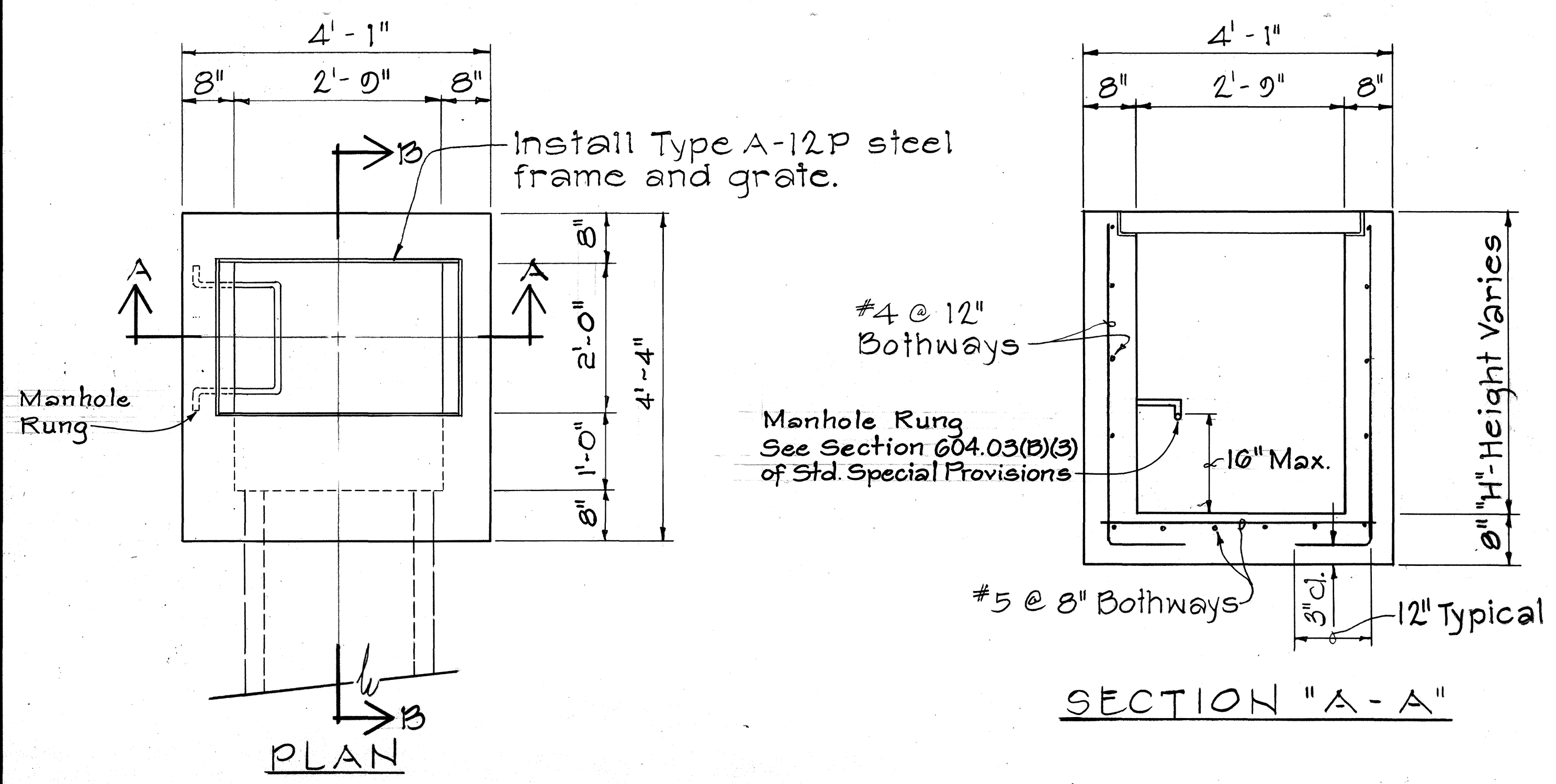
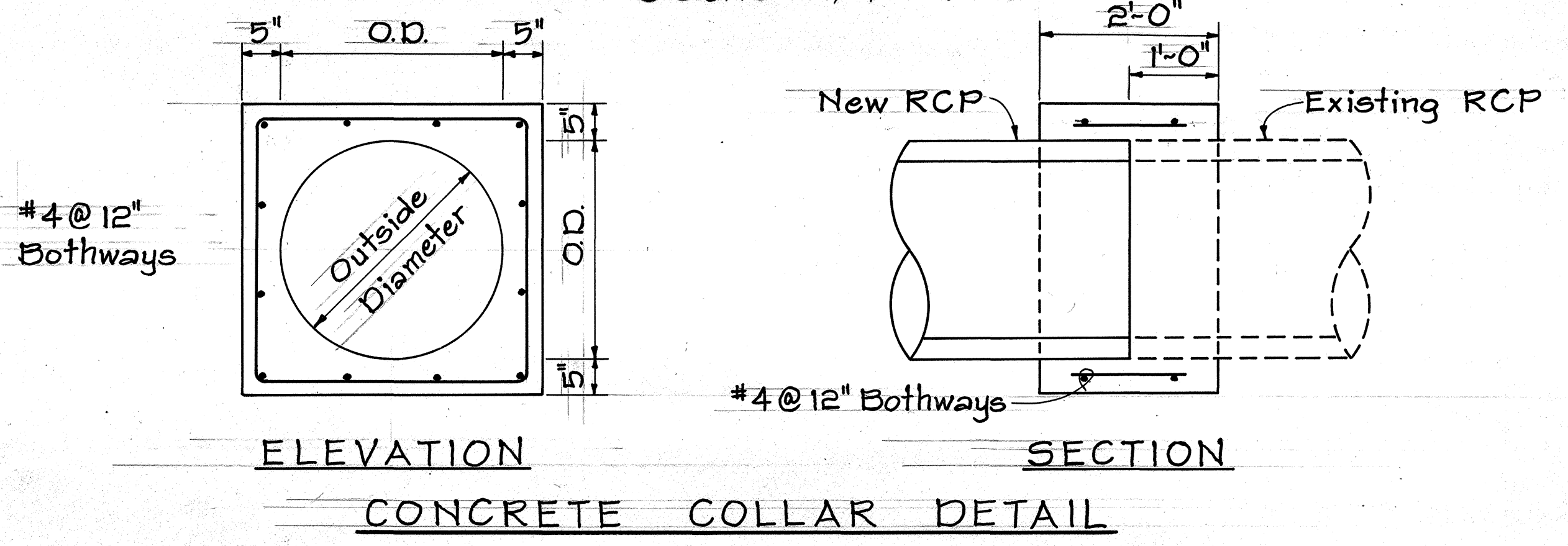


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FR-083-1(17)	1983	8	25



DETAIL OF TYPE A-12P GRATED DROP INLET
Scale: 3/4" = 1'-0"



DETAILS OF FRAME
DETAIL OF TYPE A-12P STEEL FRAME AND GRATE
Scale: 1 1/2" = 1'-0"

- GENERAL NOTES:
- Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow, the cost of which shall be incidental to the various contract items.
 - Demolishing and removing a portion or the entire existing structure shall not be paid for separately, but shall be considered incidental to the various contract items.
 - Contractor shall verify the locations of all culverts in the field. Any culvert damaged during construction shall be repaired or replaced by the Contractor at his expense.
 - Concrete for grated drop inlets, shall be Class "A".

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

DRAINAGE DETAILS

KAMEHAMEHA HIGHWAY RESURFACING
LAU PLACE TO KAHANA BAY
F.A. Proj. No. FR-083-1(17)

Scale: As Noted Date: Feb., 1983

SHEET NO. OF SHEETS

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
NO.	_____