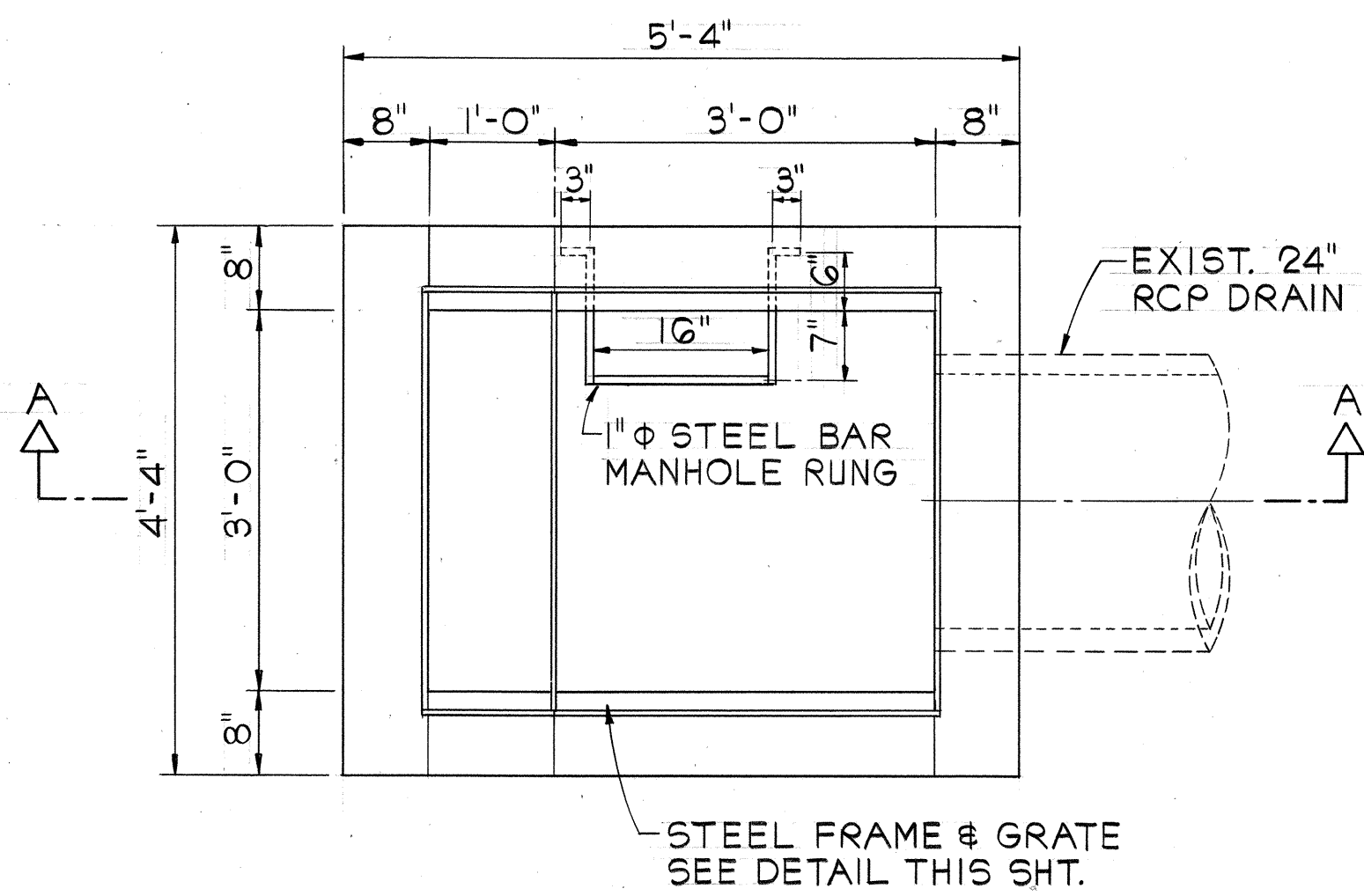
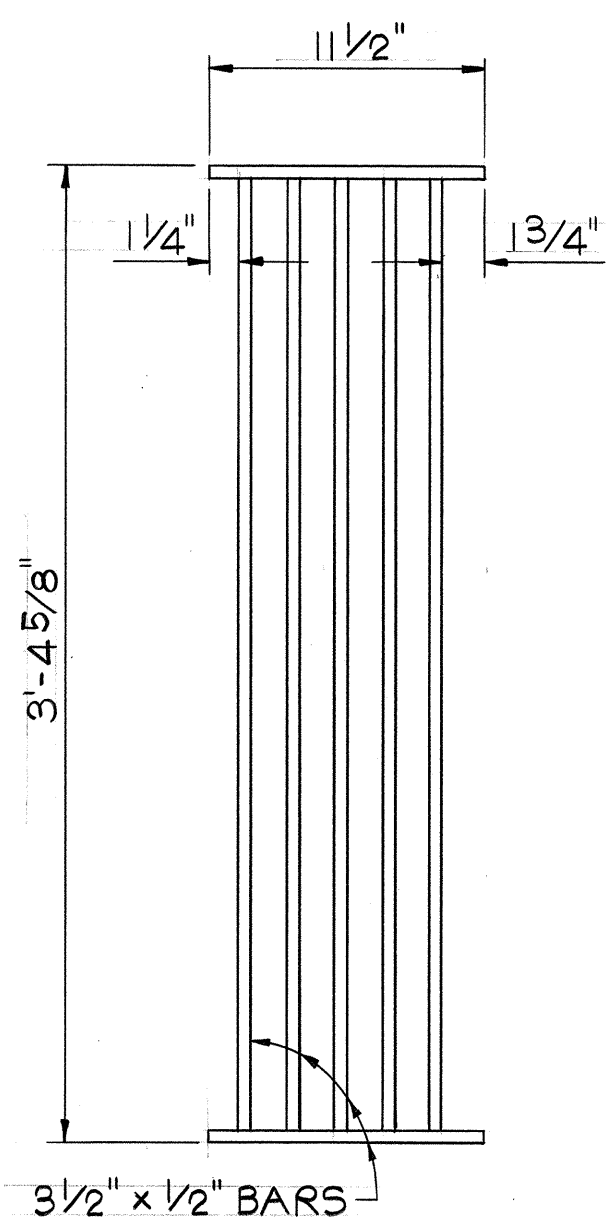


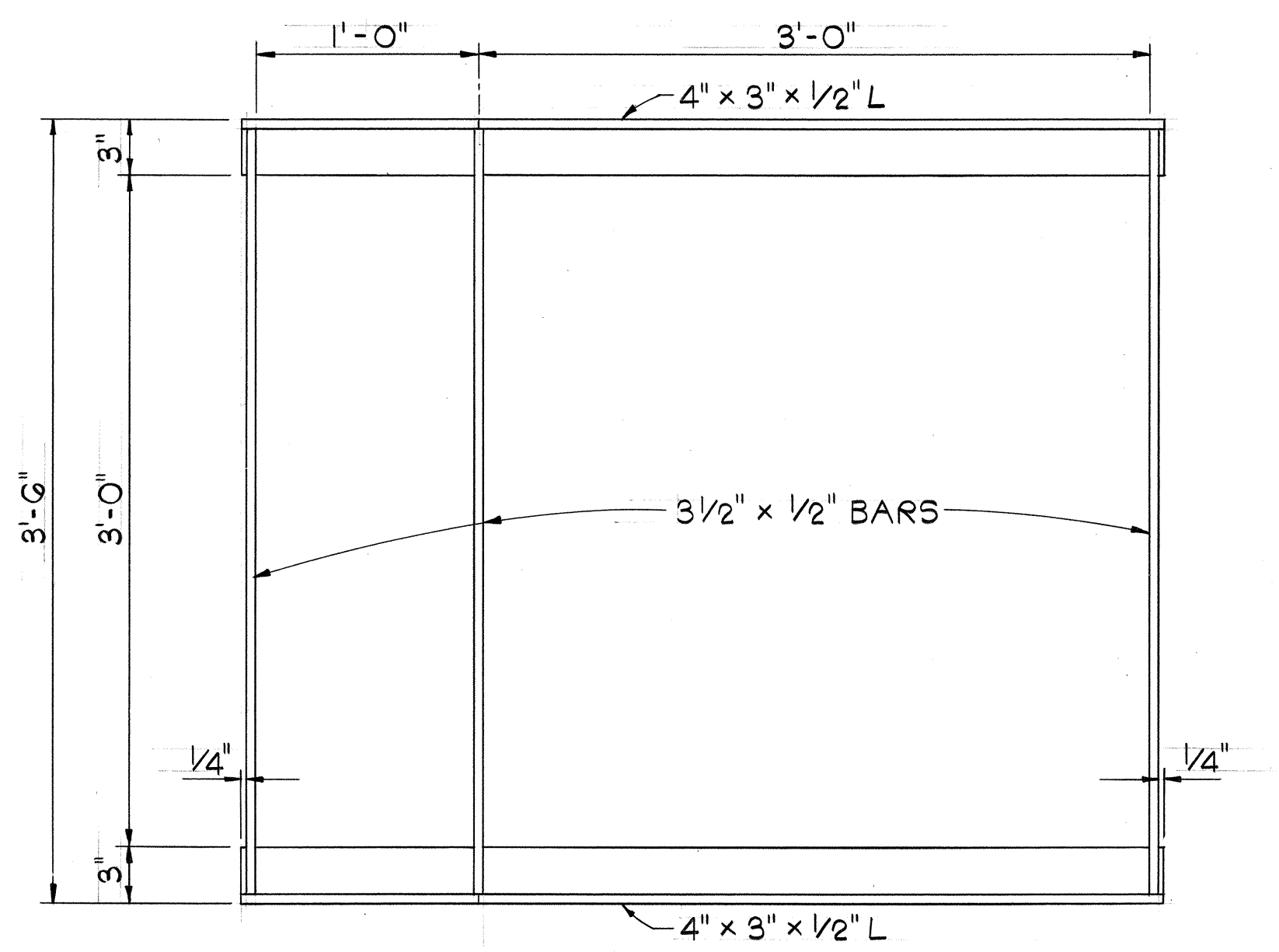
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-02-82	1984	14	29



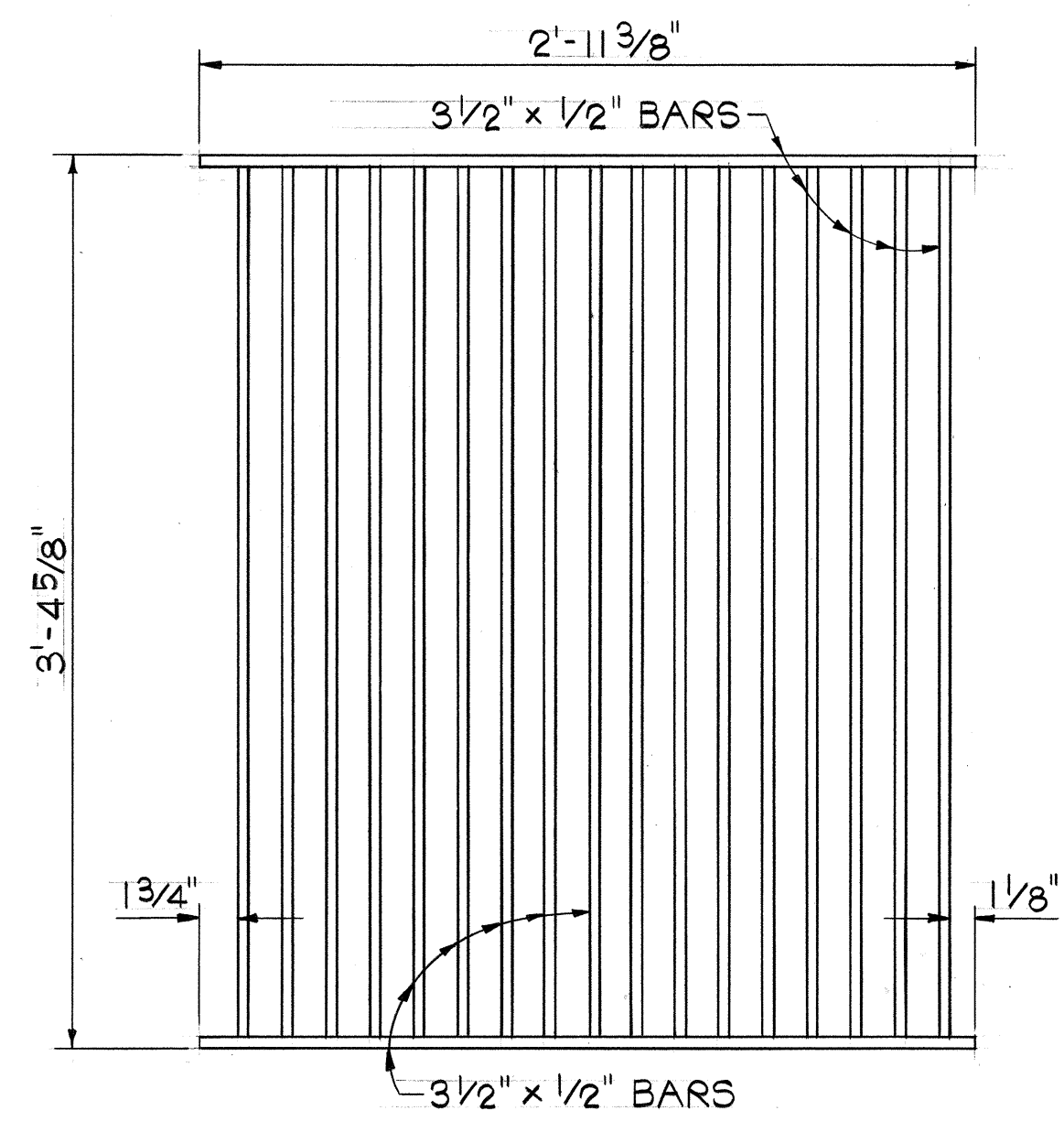
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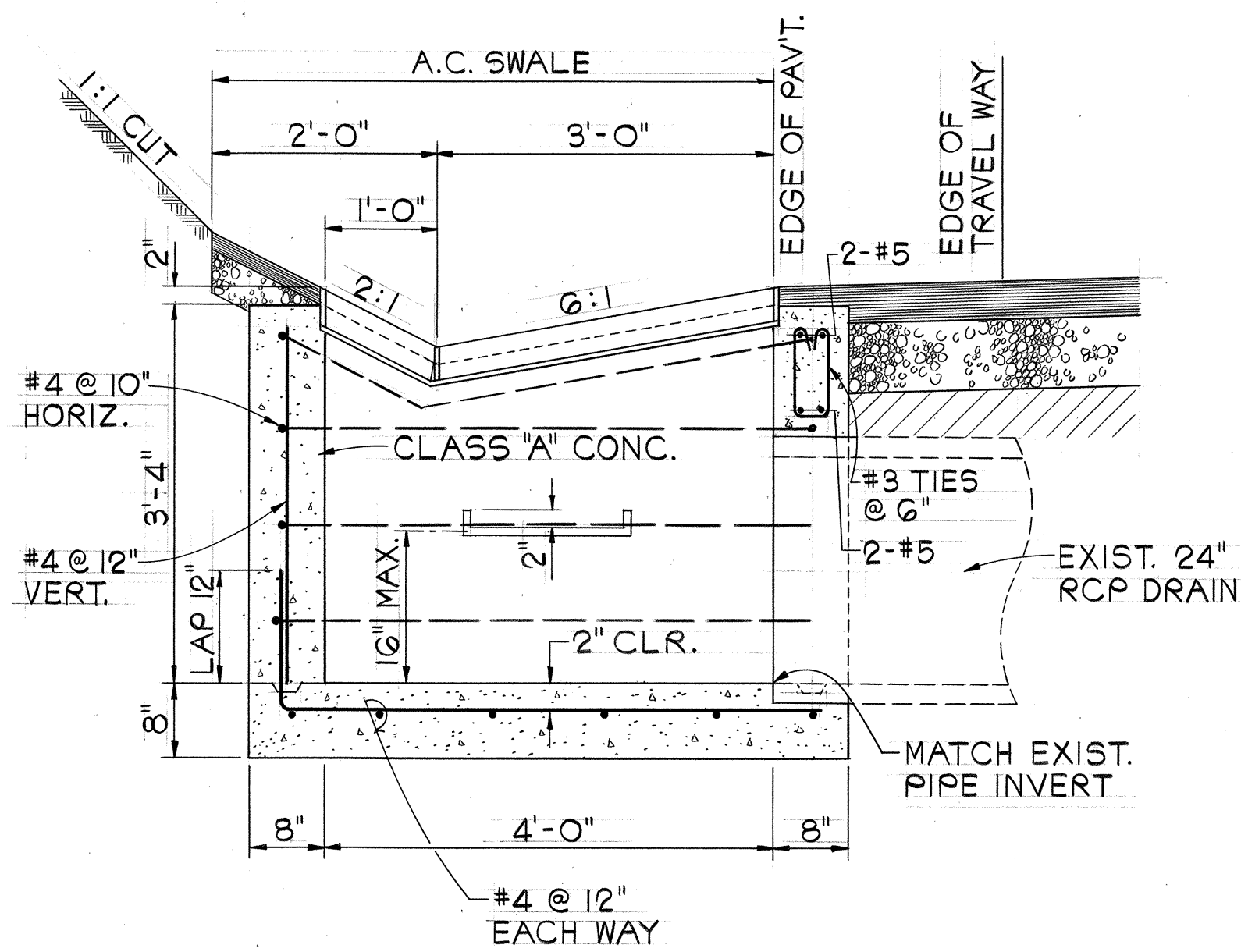
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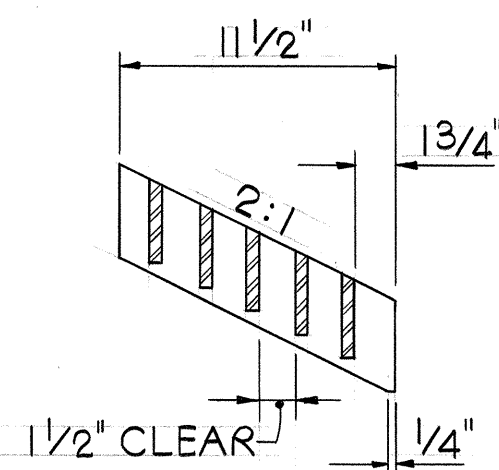
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PLAN

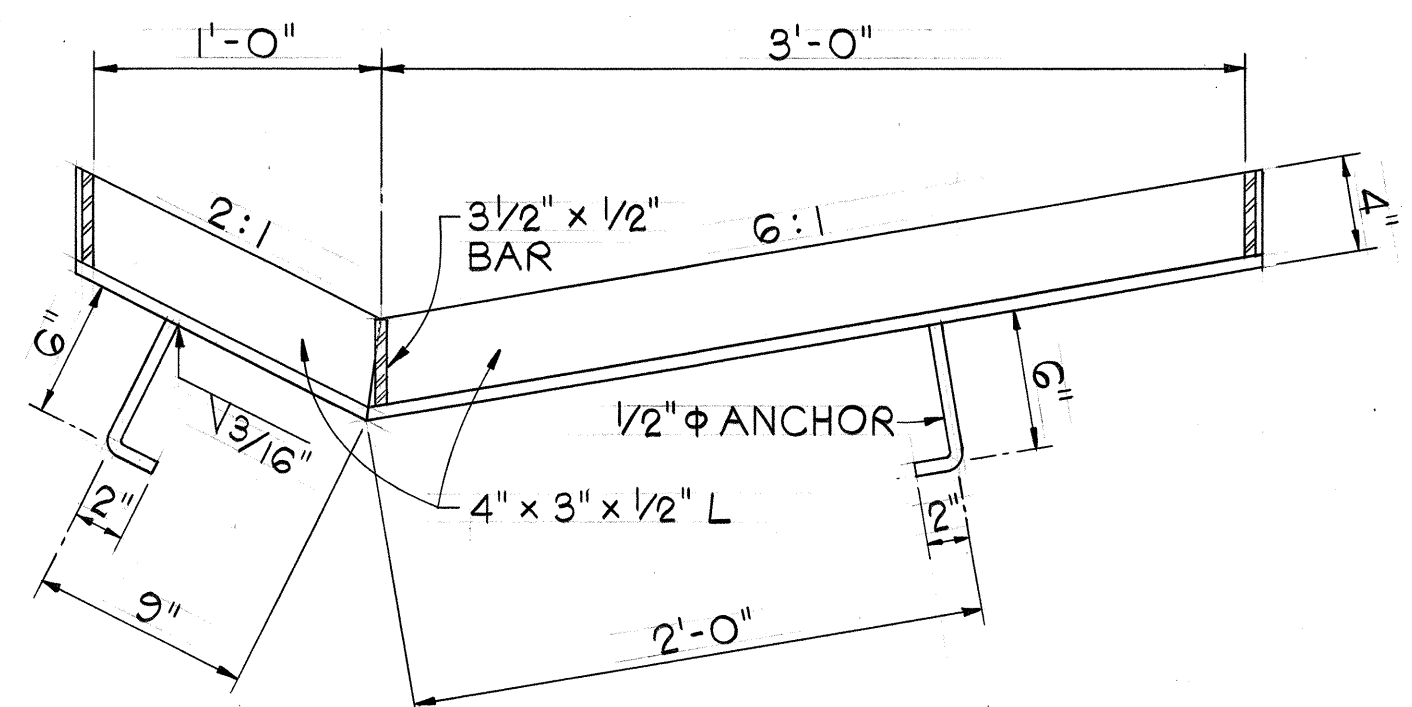


SECTION "A-A"



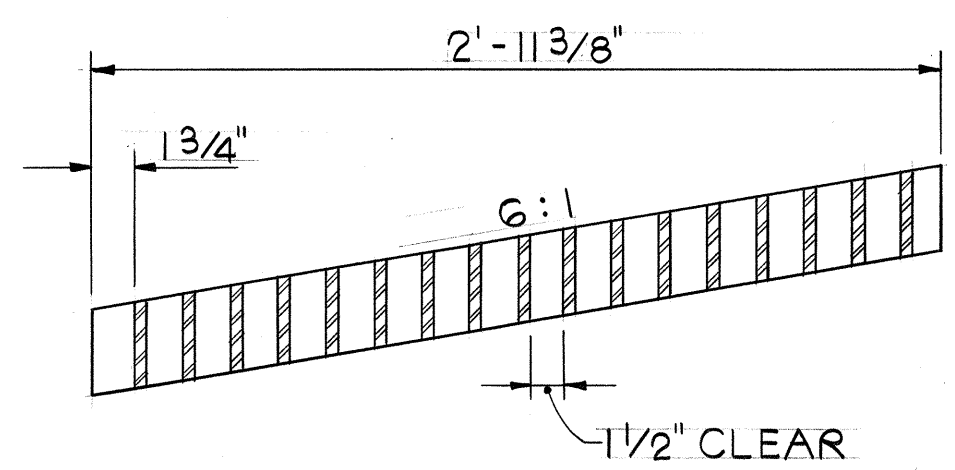
SECTION

GRATE



SECTION

FRAME



SECTION

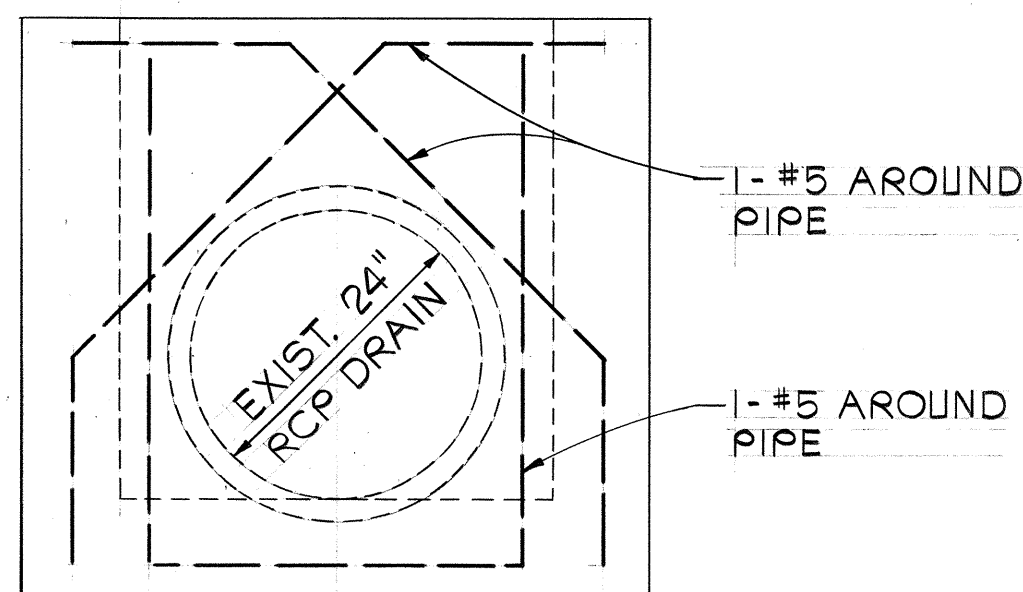
GRATE

NOTES:

1. GRATES AND FRAMES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. ALL WELDS 3/8" UNLESS OTHERWISE NOTED.
3. THE FRAME AND GRATE MATERIALS SHALL CONFORM TO THE SPECIFICATIONS OF ASTM DESIGNATION STRUCTURAL STEEL A283, GRADE D AND THE STANDARD SPECIFICATIONS.
4. DEMOLITION OF EXISTING DROP INTAKE AND CONSTRUCTION OF NEW GRATED DROP INTAKE IN PLACE SHALL BE PAID FOR UNDER ITEM NO. 604.5001, GRATED DROP INTAKE.

FRAME AND GRATE DETAILS

SCALE: 1 1/2" = 1'-0"



REINF. DET. AROUND PIPE

GRATED DROP INTAKE DETAIL

SCALE: 3/4" = 1'-0"



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Theodore S. Kawahara
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS
HALEAKALA HIGHWAY
Intersection Improvements at
Pukalani Street
Project No. 37C-02-82
SCALE: AS SHOWN
DATE: 1-15-82
SHEET NO. 1 OF 1 SHEETS