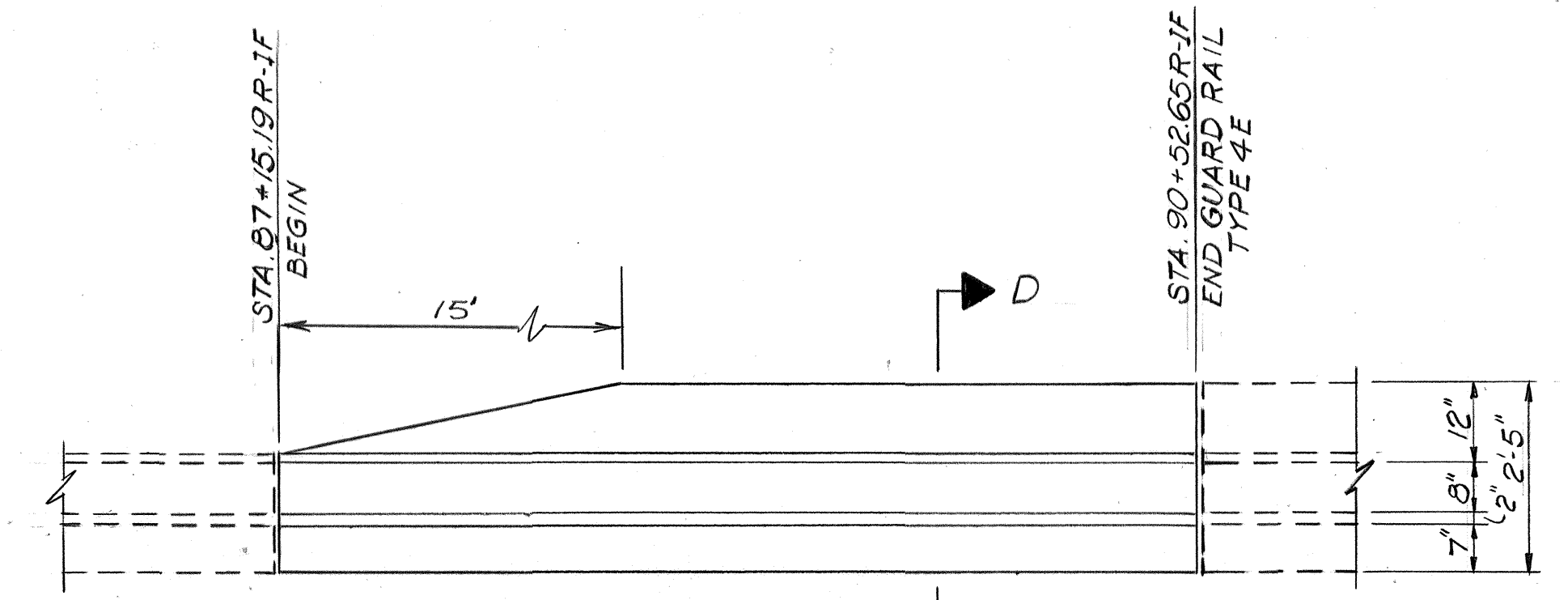
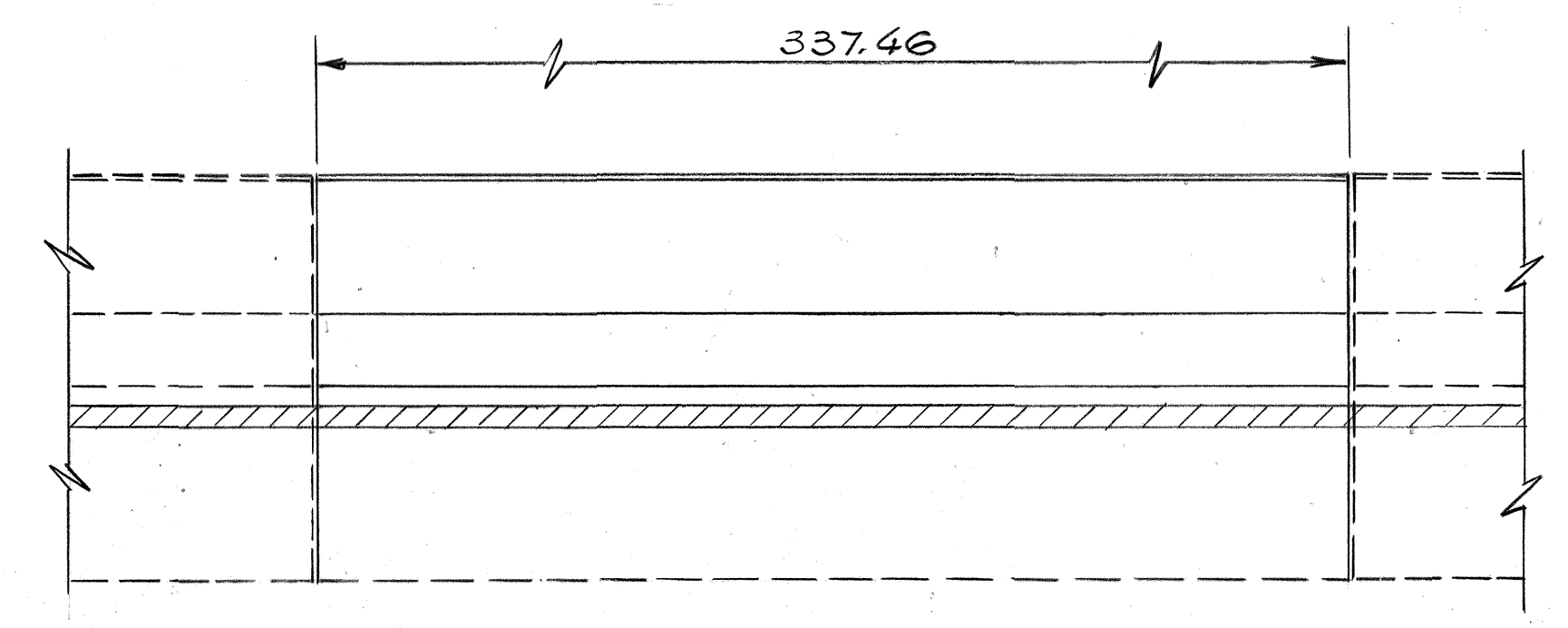


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(174):16	1982	6	70

DATE	REVISION
1-14-83	ADDED SUBTITLE TO GUARDRAIL DETAILS, ADDED TRANSITION WIDTH AND LENGTH ON GUARDRAIL SECTION. REVISE WELDING SYMBOL ON SECTION A-A OF INLET FRAME DETAIL. ADDED WELDED SYMBOL ON SPECIAL INLET GRATE DETAIL. ADDED NOTE #4 TO NOTES.

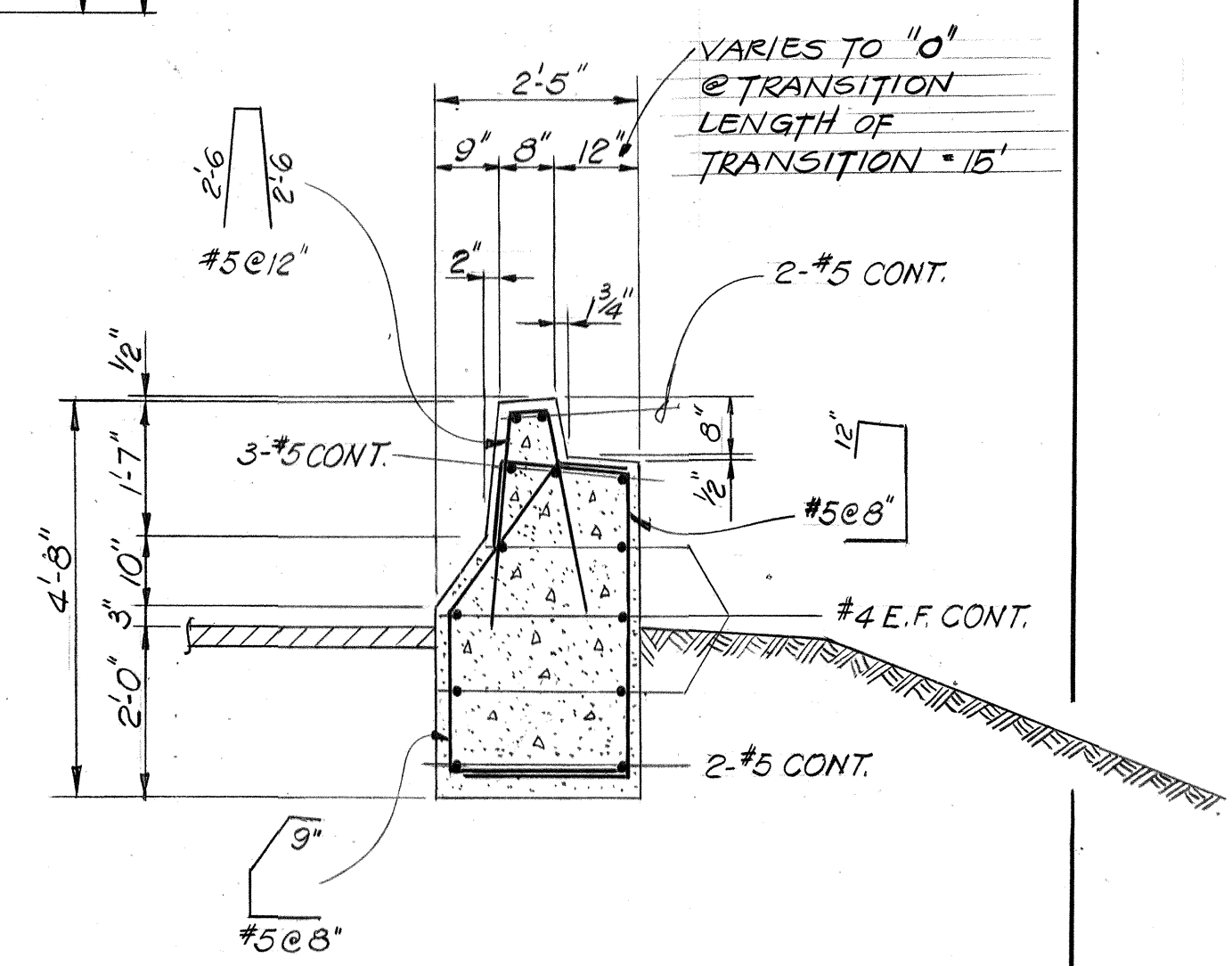


PLAN VIEW

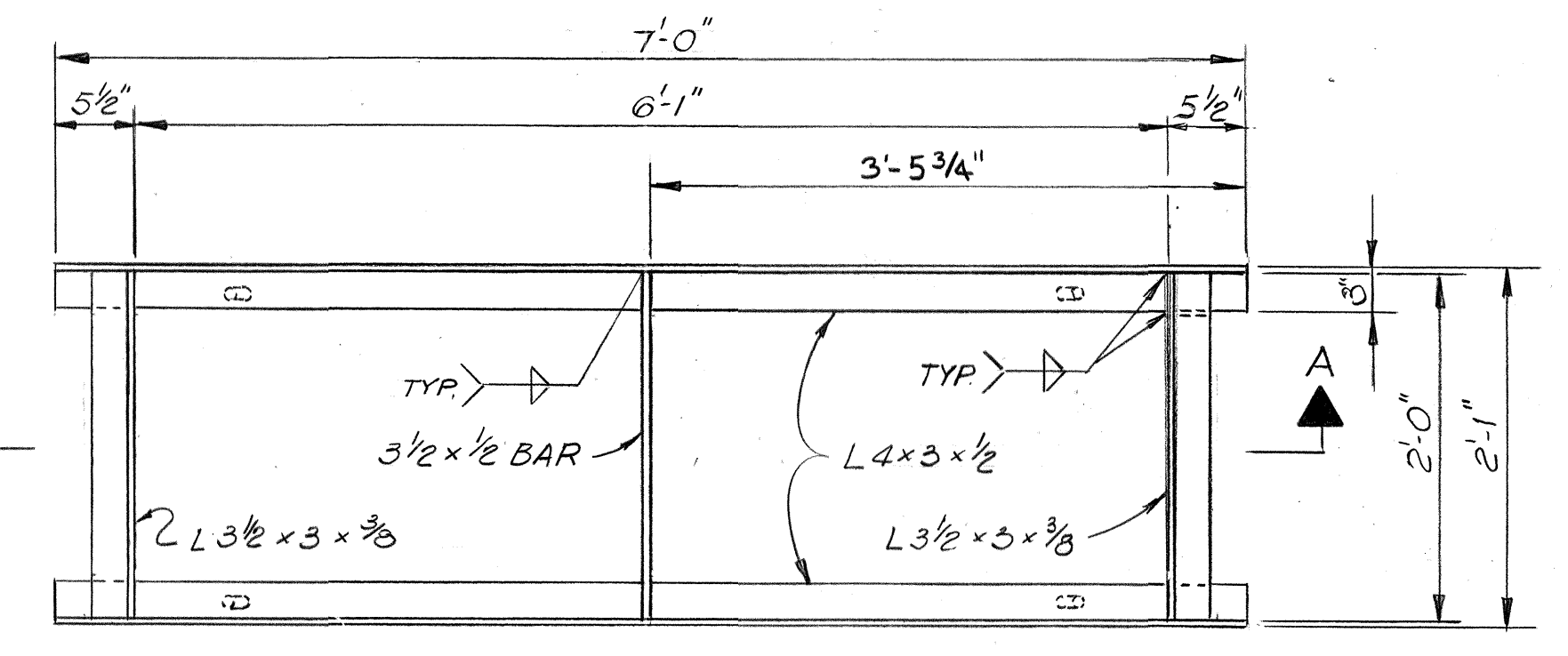


ELEVATION

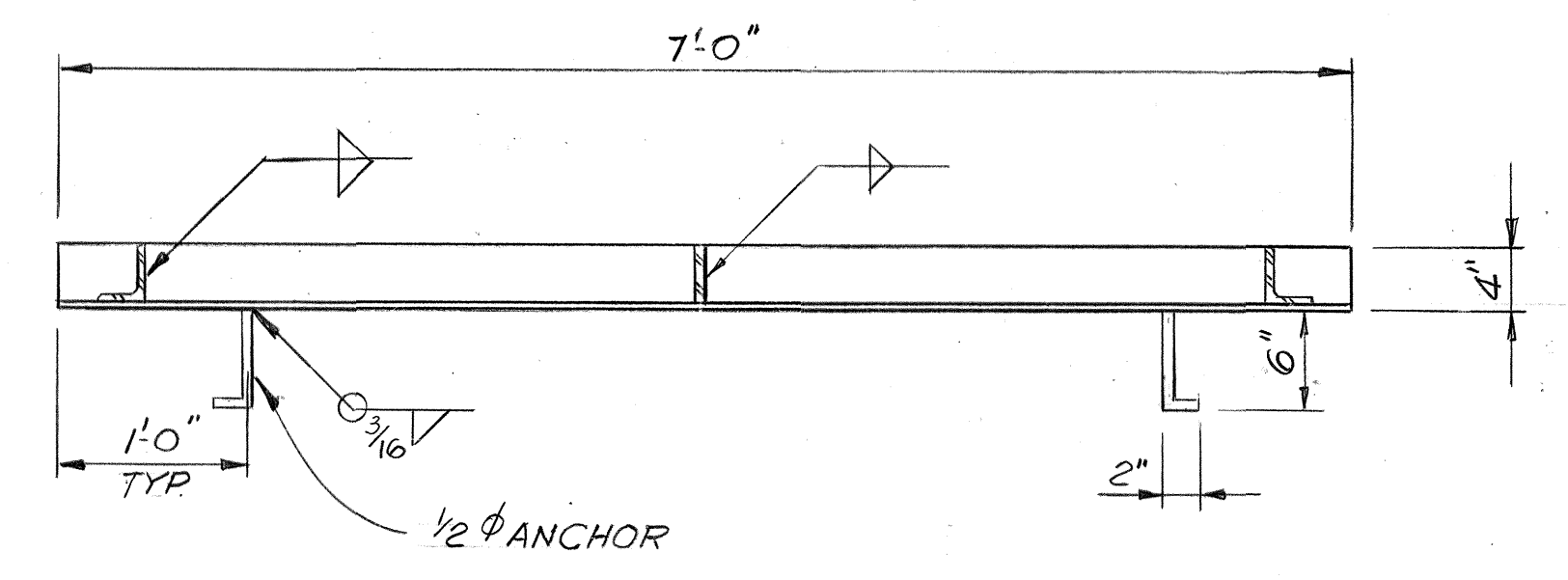
GUARDRAIL TYPE 4E



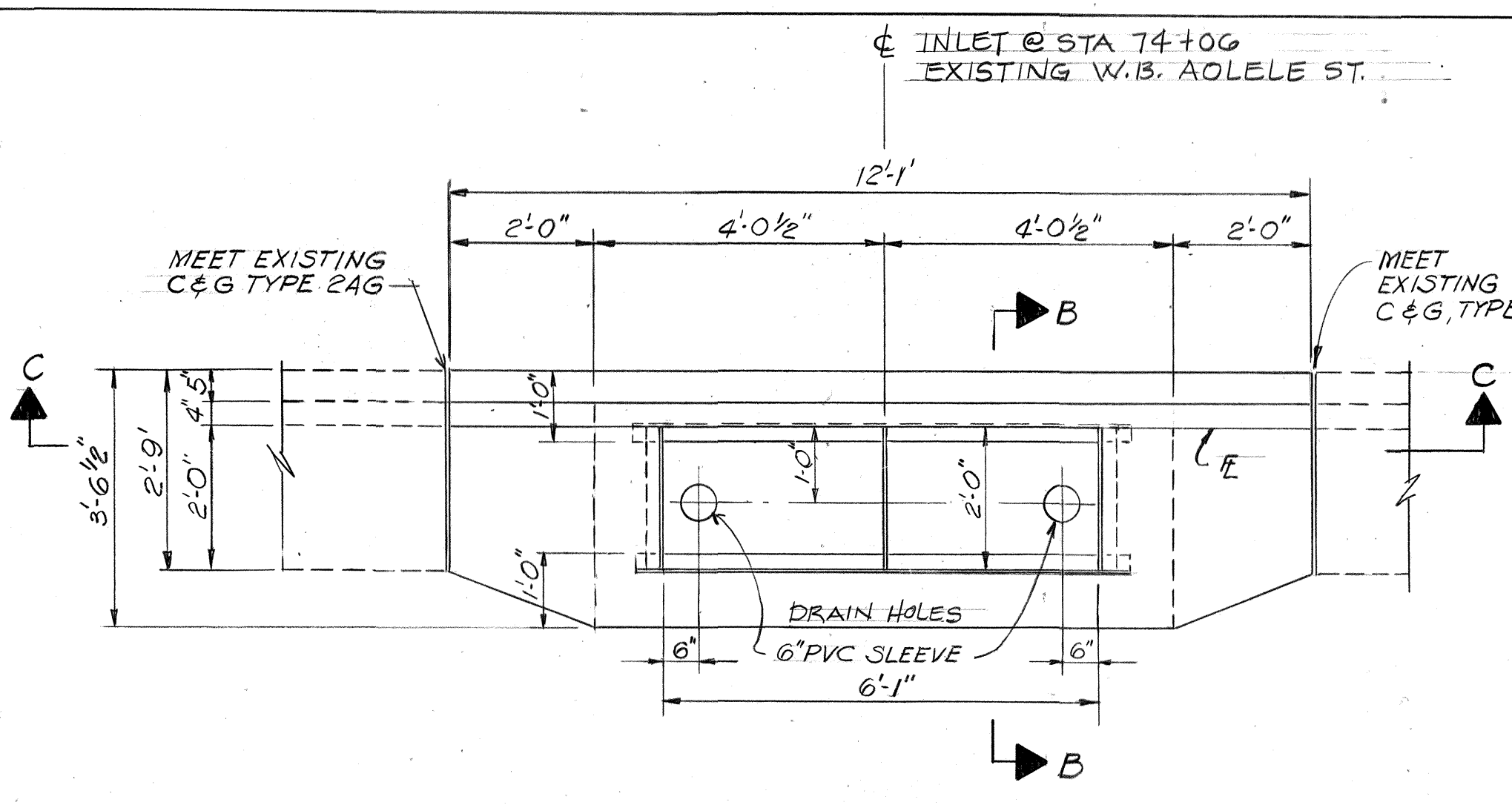
SECTION D-D



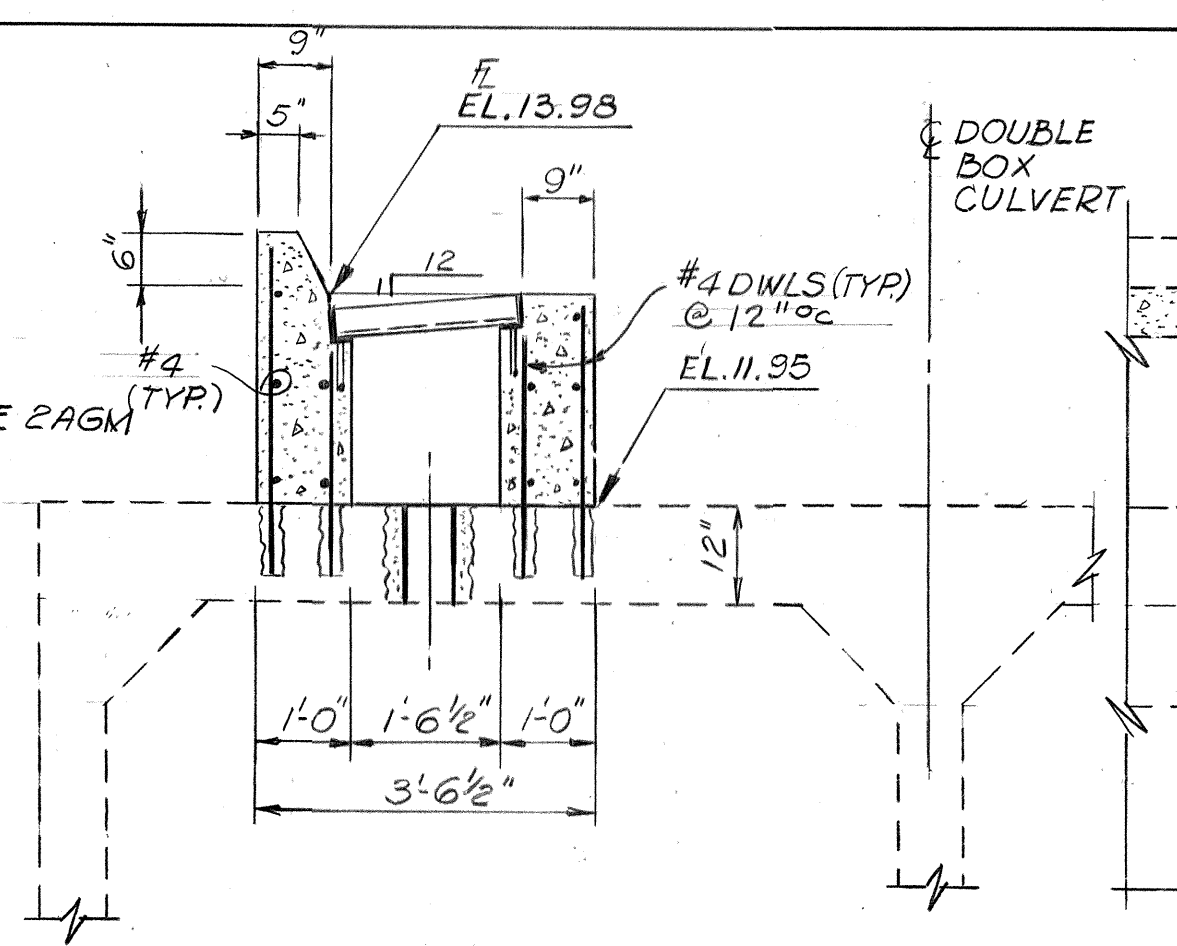
INLET FRAME
SCALE: 1" = 1'-0"



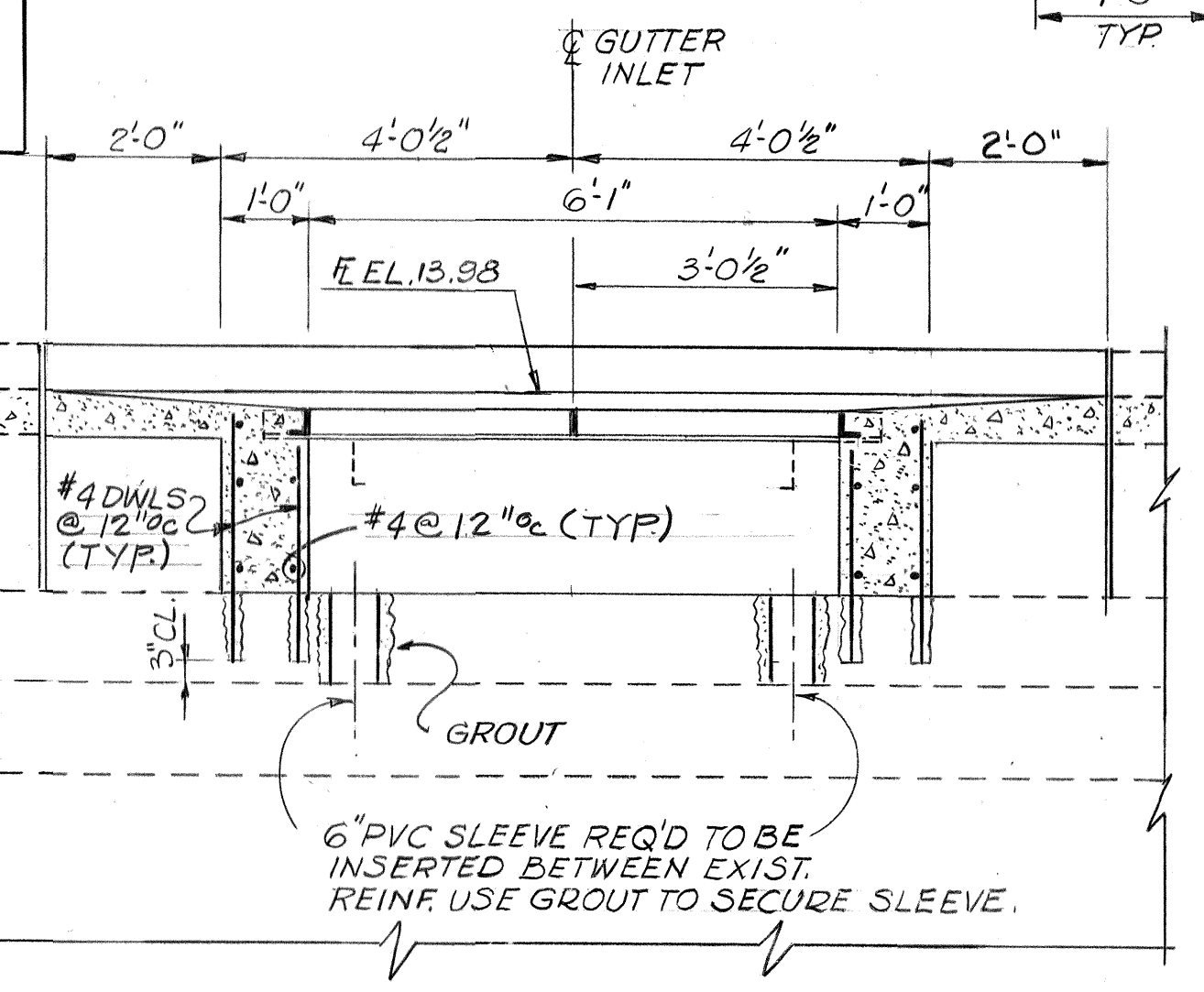
SECTION A-A
SCALE: 1" = 1'-0"



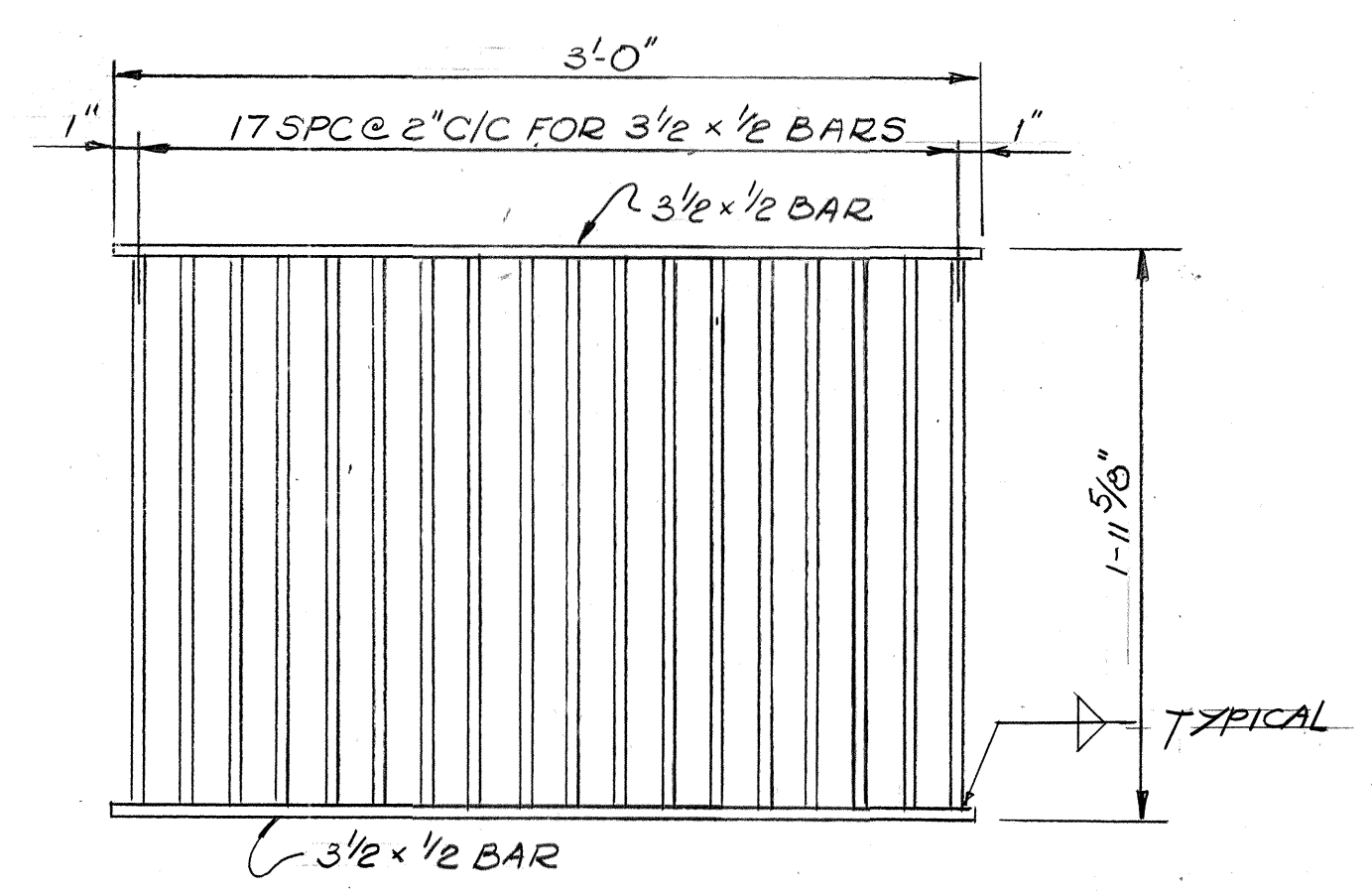
PLAN @ GUTTER INLET
SCALE: 1/2" = 1'-0"



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

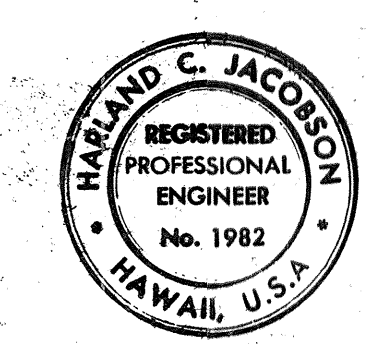


SECTION C-C
SCALE: 1/2" = 1'-0"



SPECIAL INLET GRATE
(2 REQ'D FOR EACH FRAME)
SCALE: 1/2" = 1'-0"

- NOTES:
1. GRATE AND FRAME SHALL BE HOT DIP GALVANIZED AFTER FABRICATION. SEE SPECIFICATIONS.
 2. ALL WELDS 3/8" UNLESS OTHERWISE NOTED.
 3. THE GRATE AND FRAME MATERIALS SHALL CONFORM TO THE SPECIFICATIONS OF ASTM DESIGNATION STRUCTURAL STEEL A283, GRADE D AND THE STANDARD SPECIFICATIONS.
 4. THE FOLLOWING ITEMS SHALL BE INCIDENTAL TO CLASS A CONCRETE FOR DRAINAGE SYSTEM (ITEM 503.0025)
 - a. REMOVAL AND DISPOSAL OF EXISTING CURB AT GUTTER AND A.C. PAVEMENT.
 - b. EXCAVATION, BACKFILL AND PATCHING OF A.C. PAVEMENT.
 - c. REINFORCING STEEL FOR DRAINAGE SYSTEM.
 - d. PVC SLEEVES FOR DRAINAGE SYSTEM.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Harold C. Jacobson

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAILS
ROADWAY & DRAINAGE

AIRPORT INTERCHANGE
F.A.I. PROJ. NOI-HI-1(174):16
SCALE: AS SHOWN DATE: SEPT. 1982

SHEET No. 1 OF 1 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____