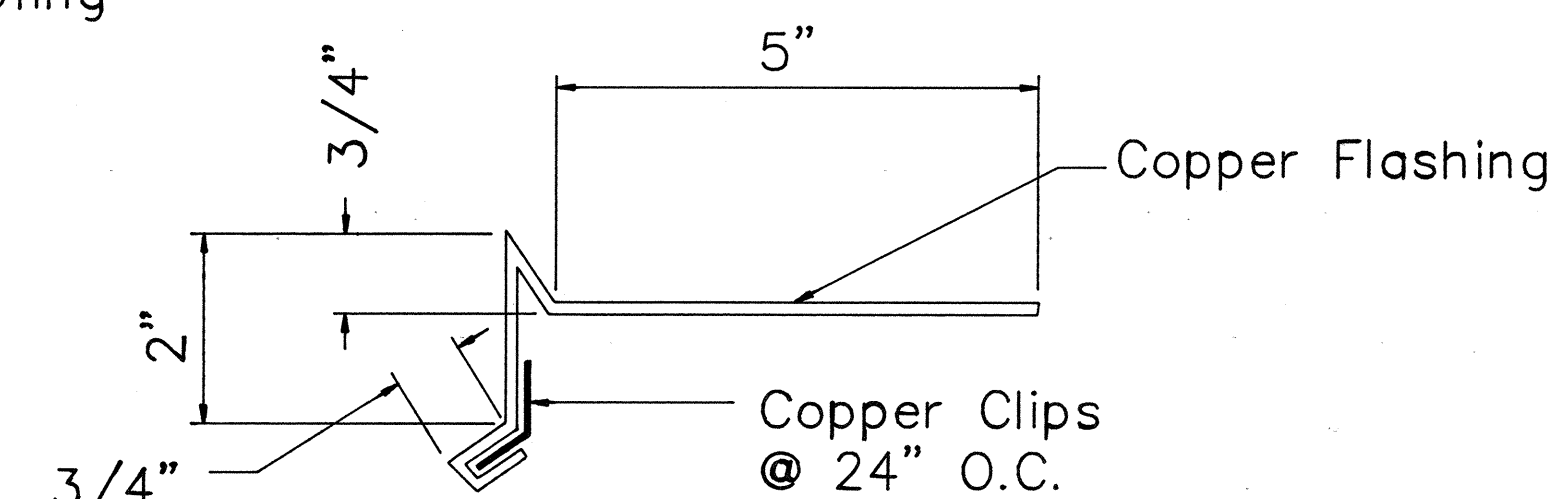
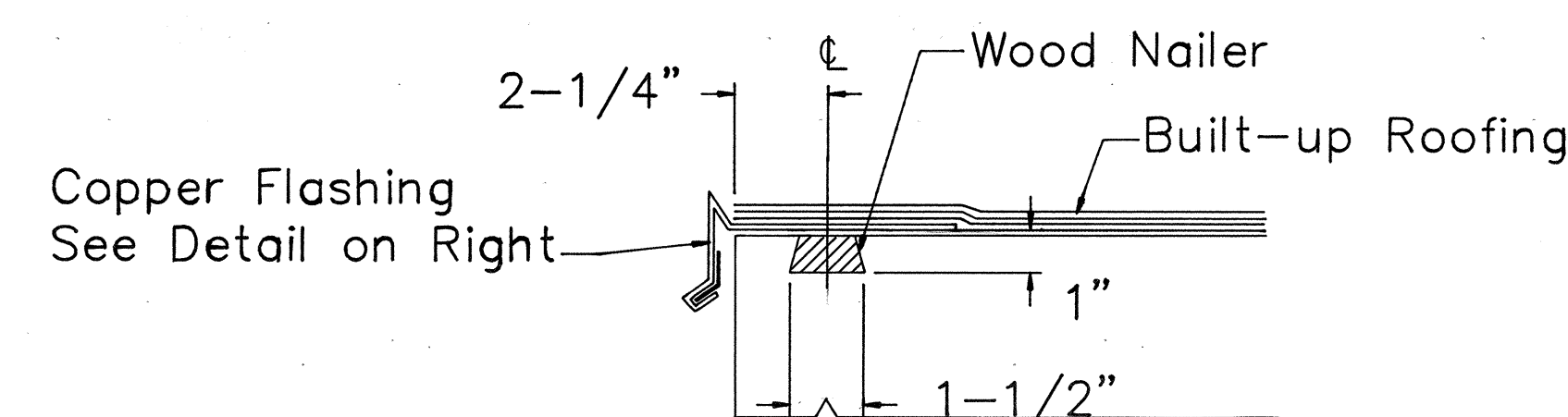
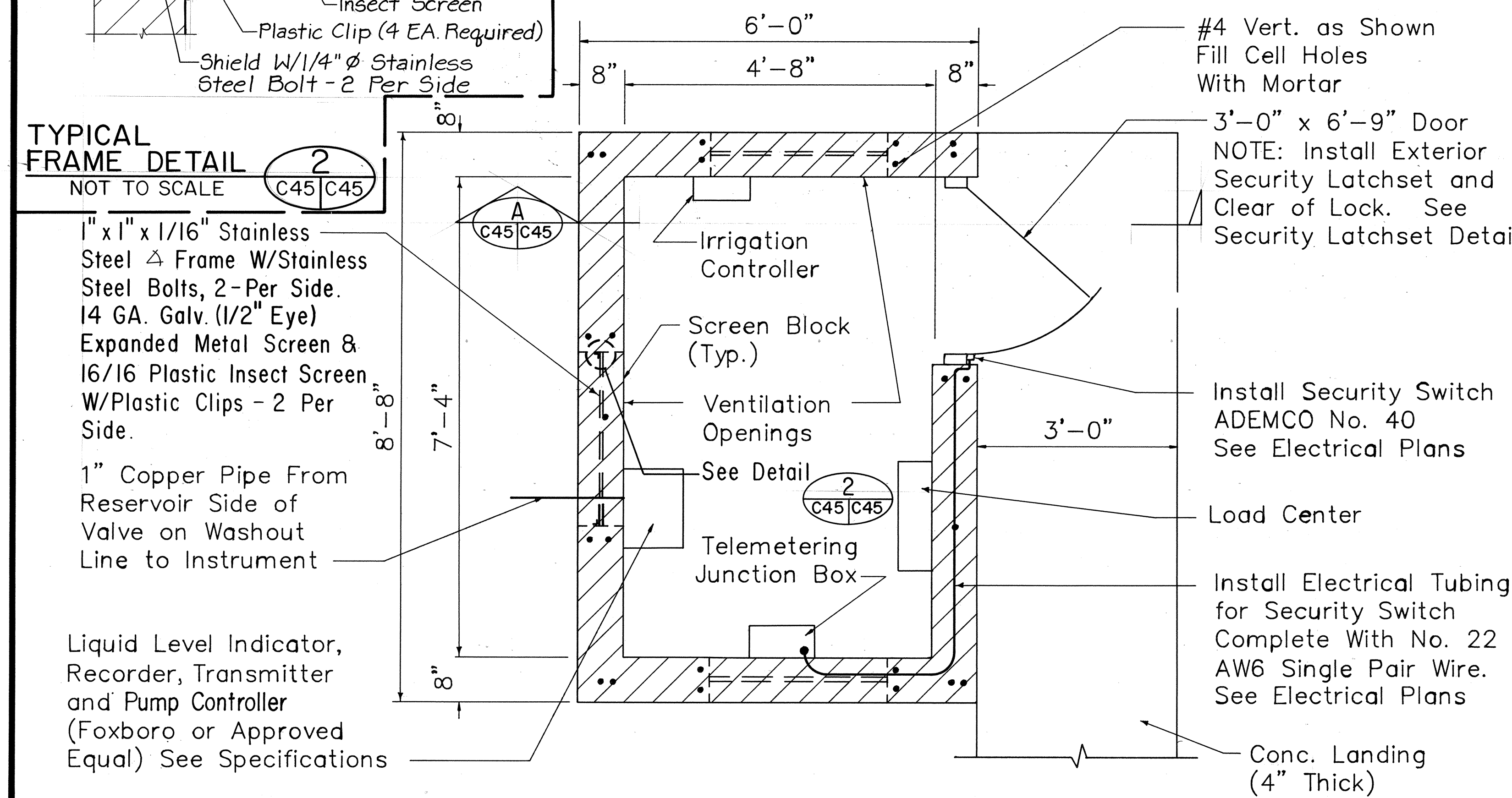
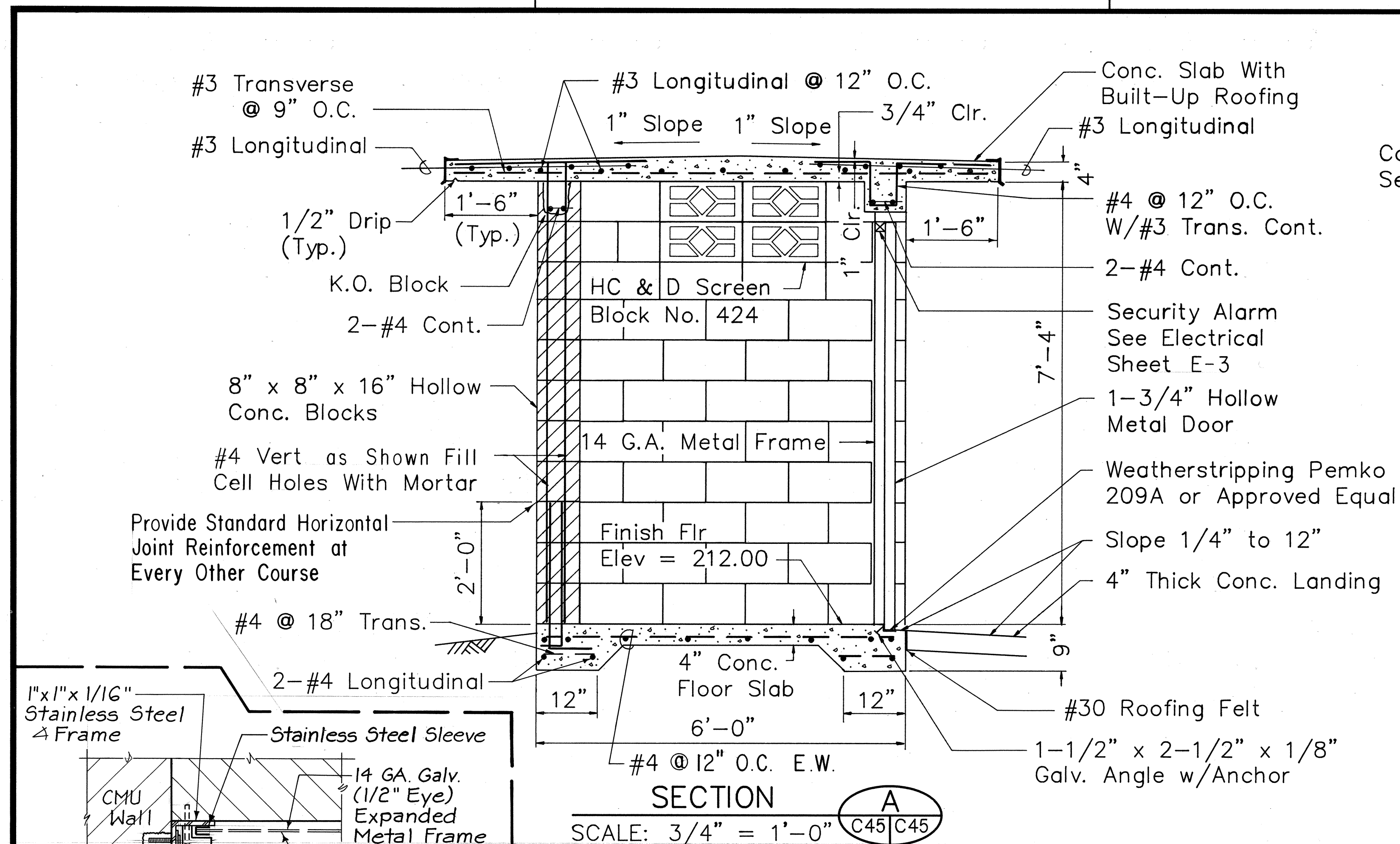
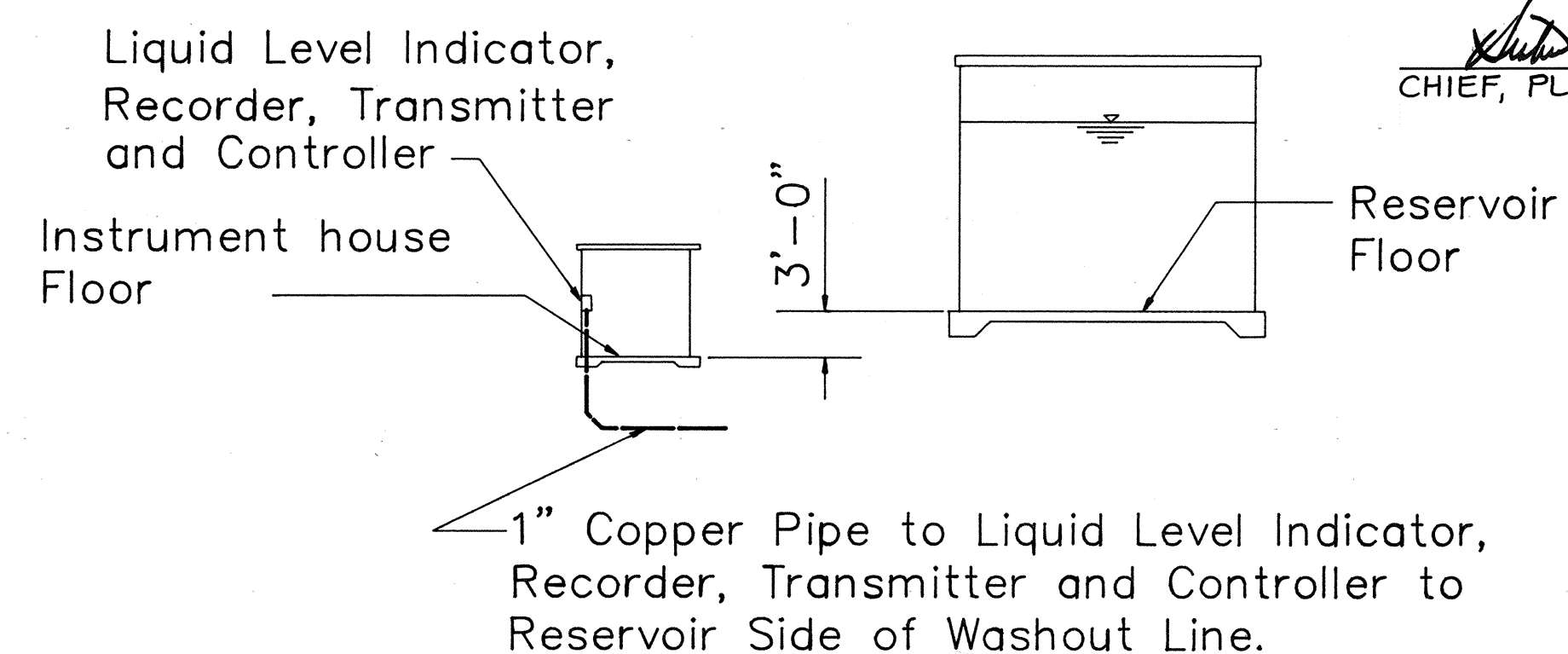


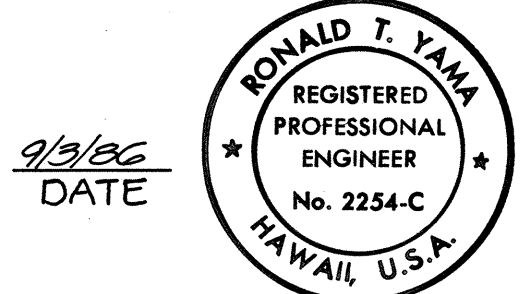
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(203)	1987	47	87



- NOTES:
1. MOUNT LIQUID INDICATOR, RECORDER, TRANSMITTER AND CONTROLLER AT THE SAME OR LOWER ELEVATION AS THE RESERVOIR FLOOR.
 2. SEE ELECTRICAL SHEETS FOR WIRING AND DETAILS.
 3. DOOR TO BE 1 3/4" THICK, 16 GAGE HOLLOW METAL WITH MINERAL WOOL CORE (DOOR SIZE 3'-0" x 6'-9"), SHALL MEET UL "B" LABEL REQUIREMENTS AND DESIGNED FOR USE WITH STANDARD BUILDER'S HARDWARE AND 14 GAGE DOOR FRAME. LOCKSET SHALL BE SARGENT 7715 EC WITH SECURITY LATCHSET. BUTTS SHALL BE STANLEY FBB 199 STD 4-1/2 X 4-1/2, NRP. SHOP DRAWINGS REQUIRED BEFORE FABRICATION.
 4. CONDUITS FOR INCOMING POWER AND TELEMETERING CABLE SHALL BE 2". LOCATION OF CONDUITS SHALL BE DETERMINED BY THE MANAGER.
 5. SURFACE MOUNT LOAD CENTER, 4'-6" FROM FLOOR TO CENTER WITH 10" X 12" X 6" JUNCTION BOX BELOW AND CONNECTED TO LOAD CENTER WITH TWO 1-1/2" CONDUITS.
 6. SURFACE MOUNT 10" X 12" X 6" JUNCTION BOX FOR TELEMETERING 4'-6" FROM FLOOR TO CENTER AND INTERCONNECT TO LOAD CENTER JUNCTION BOX 3/4" CONDUIT.
 7. RUN 3/4" CONDUITS, ONE EACH TO LOAD CENTER AND TO TELEMETERING BOX FROM LIQUID LEVEL INDICATOR, RECORDER, TRANSMITTER AND CONTROLLER.
 8. MOUNT TWO DUPLEX OUTLETS 12" ABOVE FLOOR.
 9. INTERIOR LIGHT SHALL BE HEAVY DUTY, WATERTIGHT WITH GLOBE AND GUARD.
 10. RUN 1" COPPER PIPE FROM RESERVOIR SIDE OF VALVE ON WASHOUT LINE AND CONNECT TO LIQUID LEVEL INDICATOR, RECORDER, TRANSMITTER AND CONTROLLER WITH BRASS FITTINGS, UNION COCK AND PRESSURE SNUBBER WITH #3 INSERT.
 11. INSTALL EXTERIOR SECURITY LATCHSET 4" CLEAR OF LOCK. SEE SECURITY LATCHSET DETAIL



APPROVED:
[Signature]
 CHIEF, PLANNING & ENGR. DIV., BWS



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

INSTRUMENT HOUSE DETAILS

H-1 NON-POTABLE WATER SYSTEM
 KALAUAO SPRINGS TO HALAWA RESERVOIR
 F.A.I. PROJ. NO. IR-HI-1 (203)

SCALE: AS SHOWN DATE: 1/20/87

SHEET No. C45 OF 64 SHEETS

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
QUANTITIES BY	_____
NO.	_____