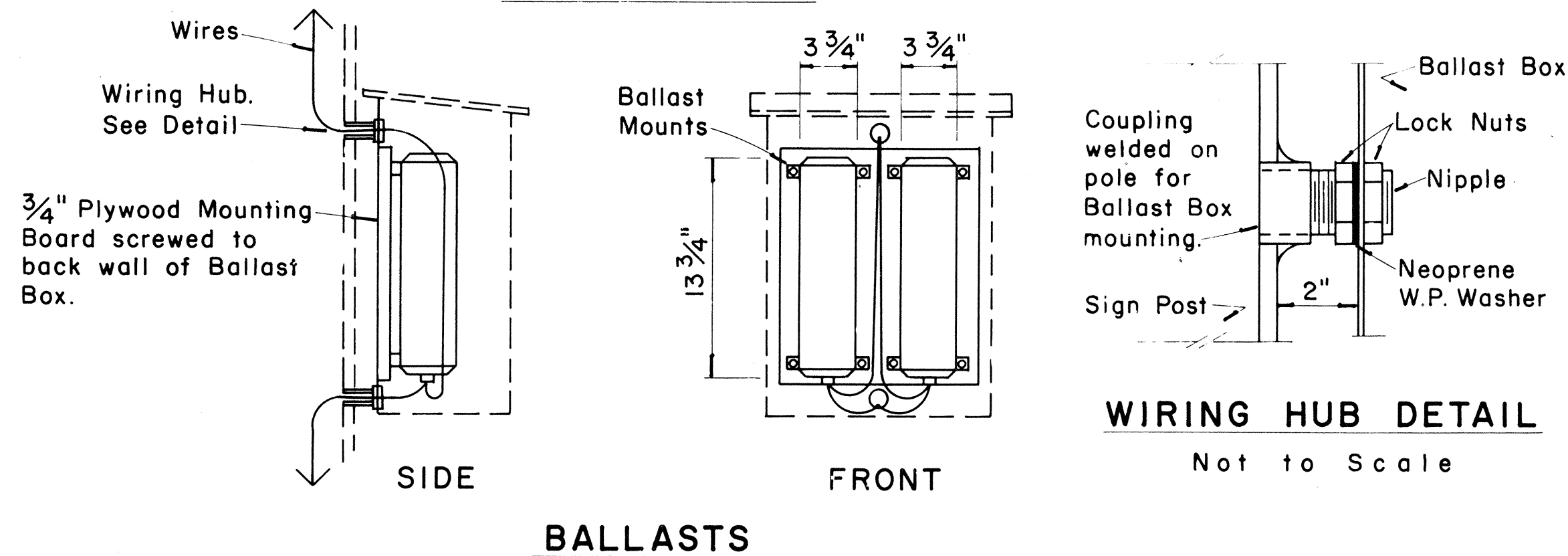
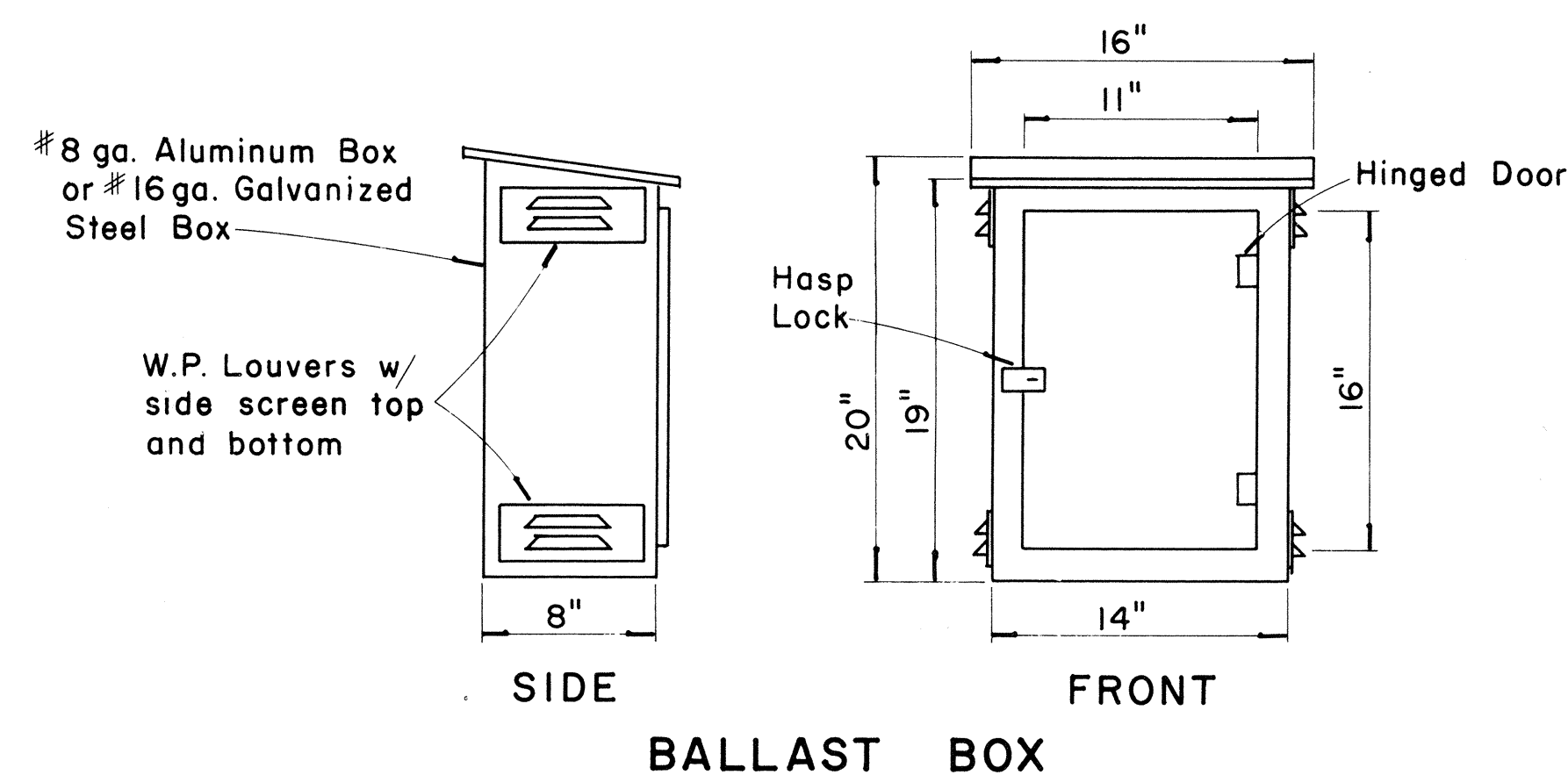
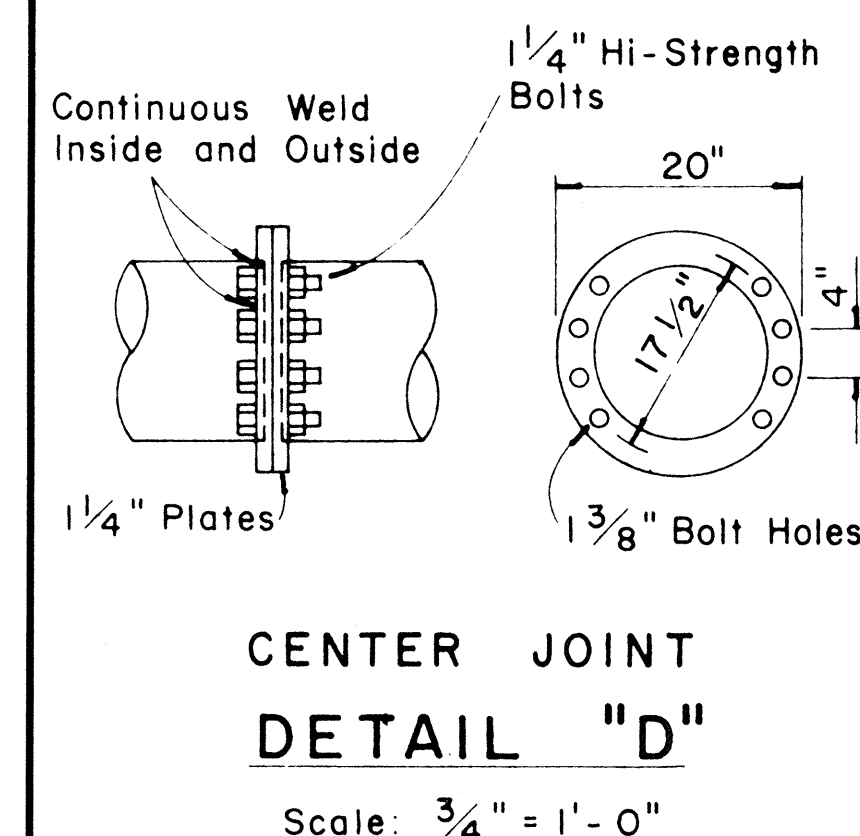
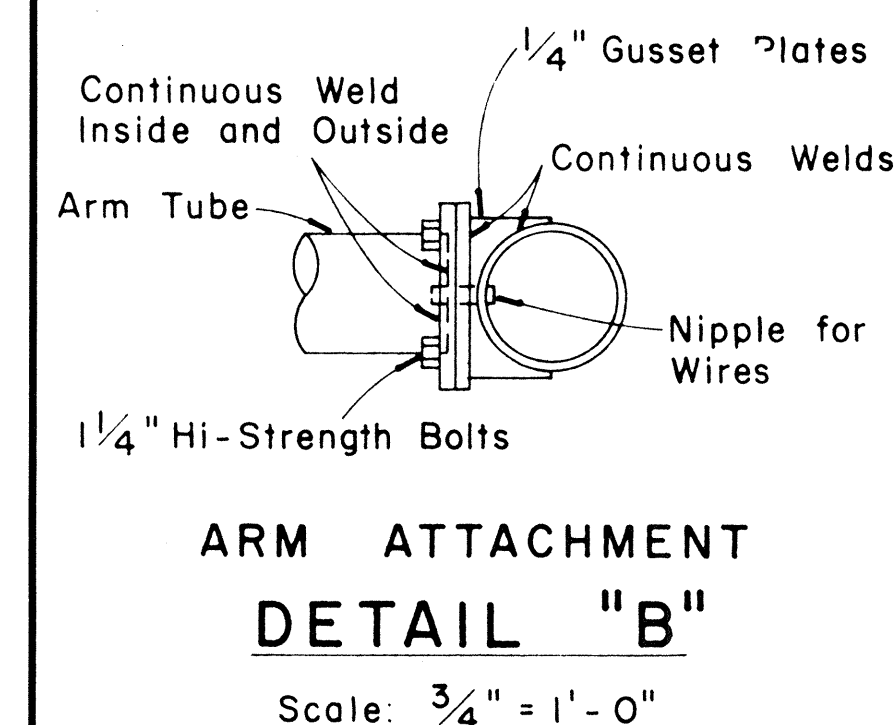
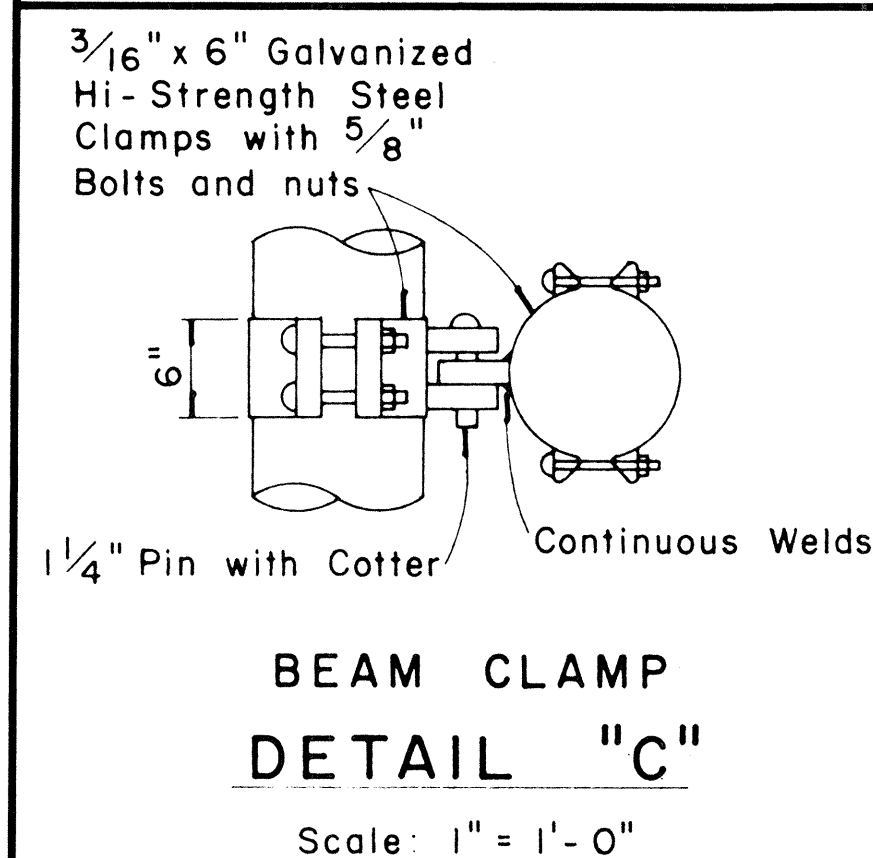
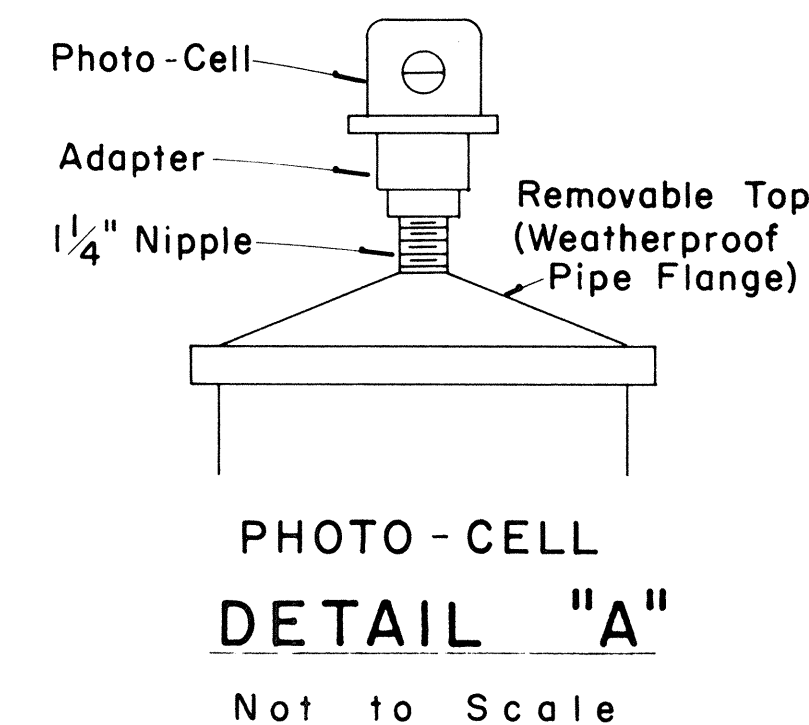
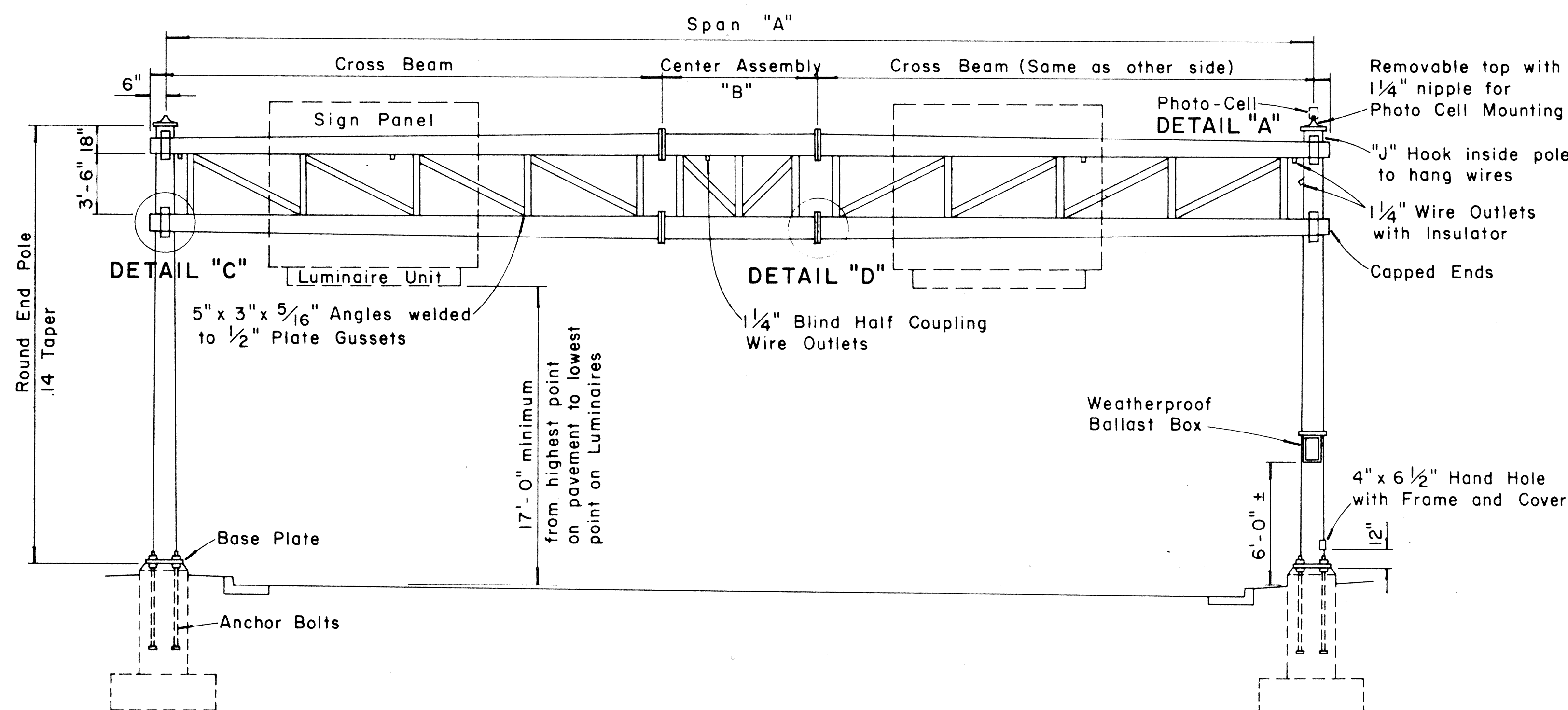
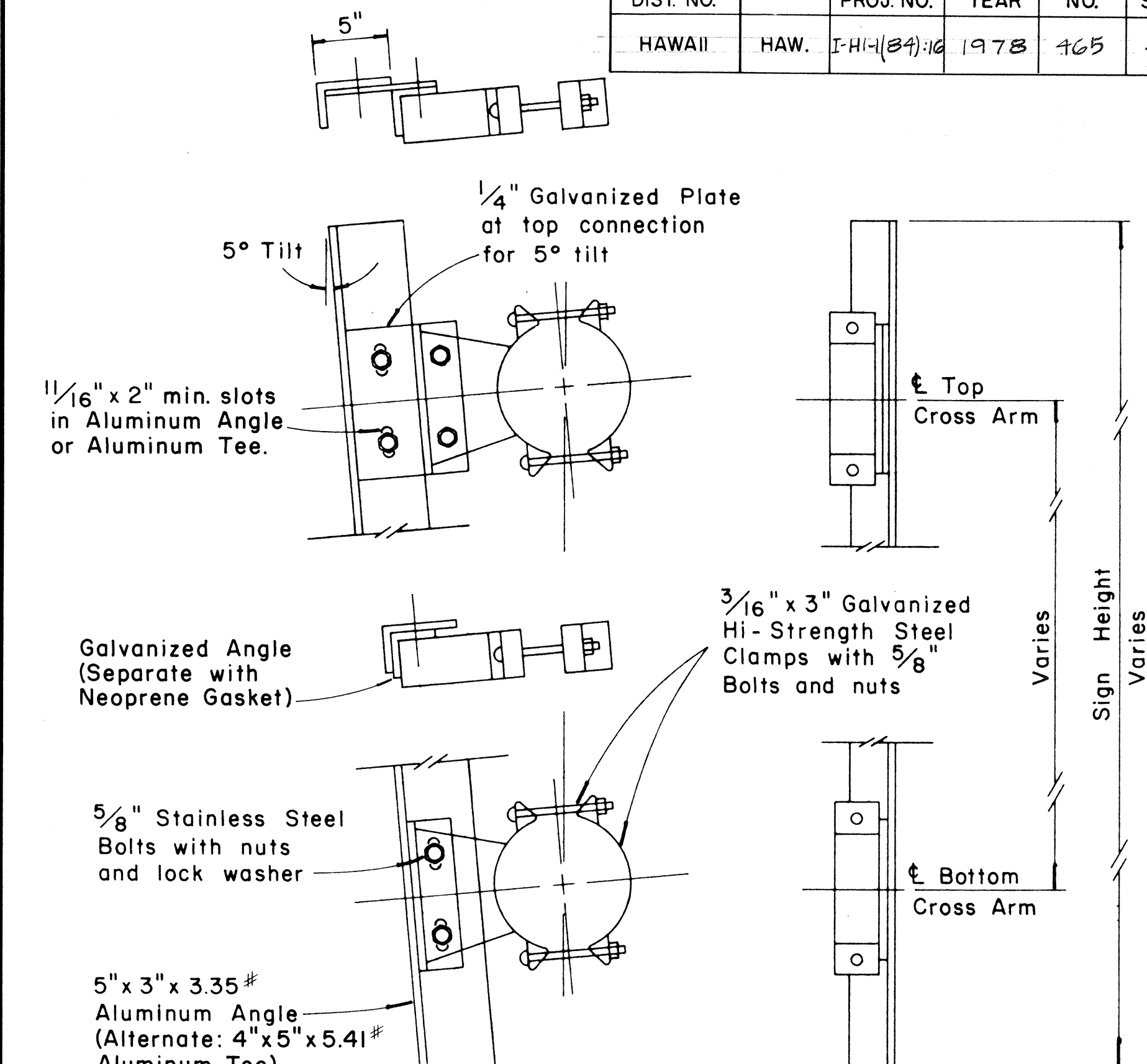
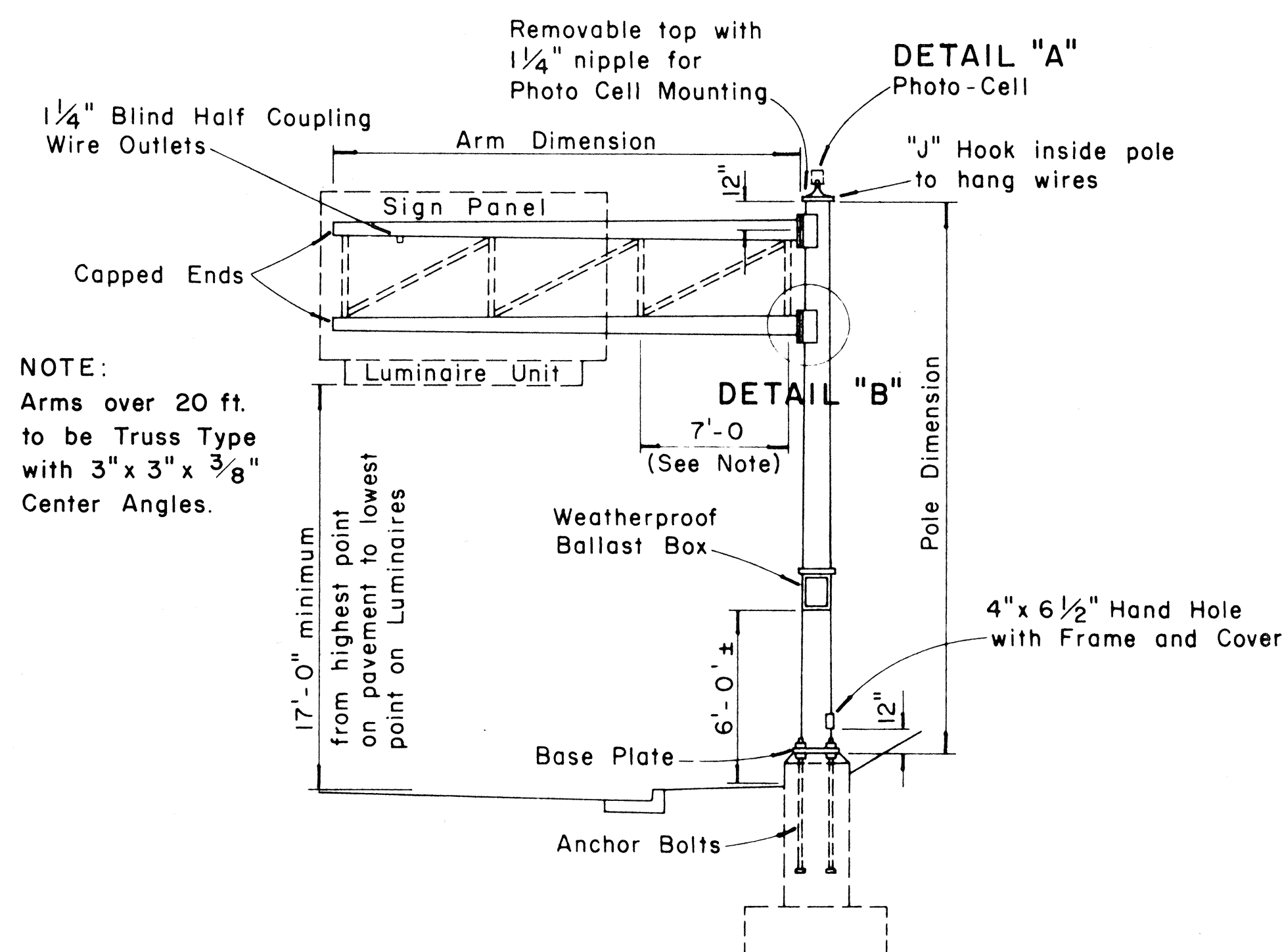


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-11-1(24)-16	1978	465	466



WEATHERPROOF BALLAST BOX
Scale: 1 1/2" = 1'-0"



APPROVAL RECOMMENDED:
Erich Tanaka 12/27/67
TRAFFIC ENGINEER DATE

APPROVED:
William J. Seif 12-30-67
ASSISTANT CHIEF, ENGINEERING DATE

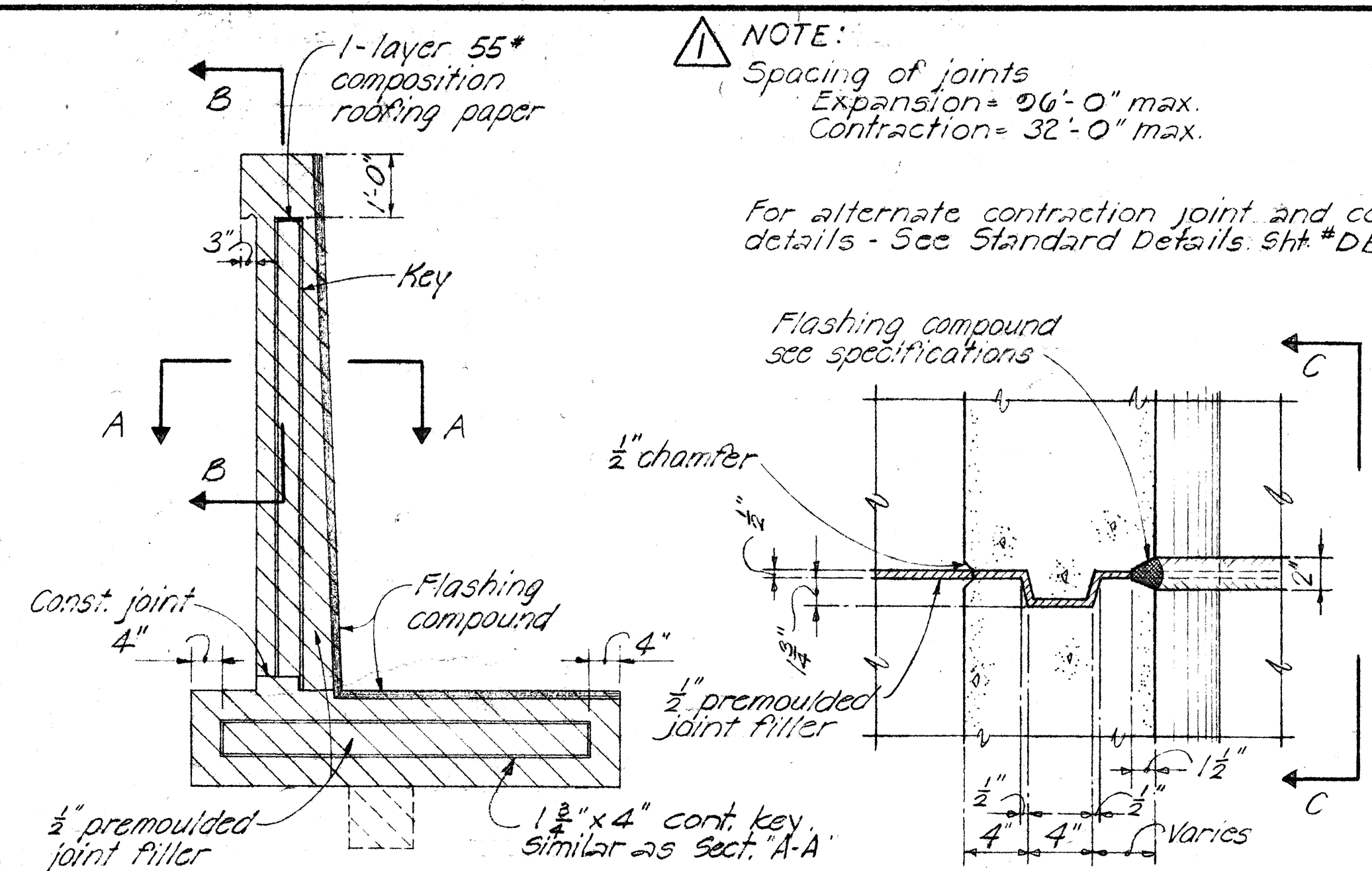
NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

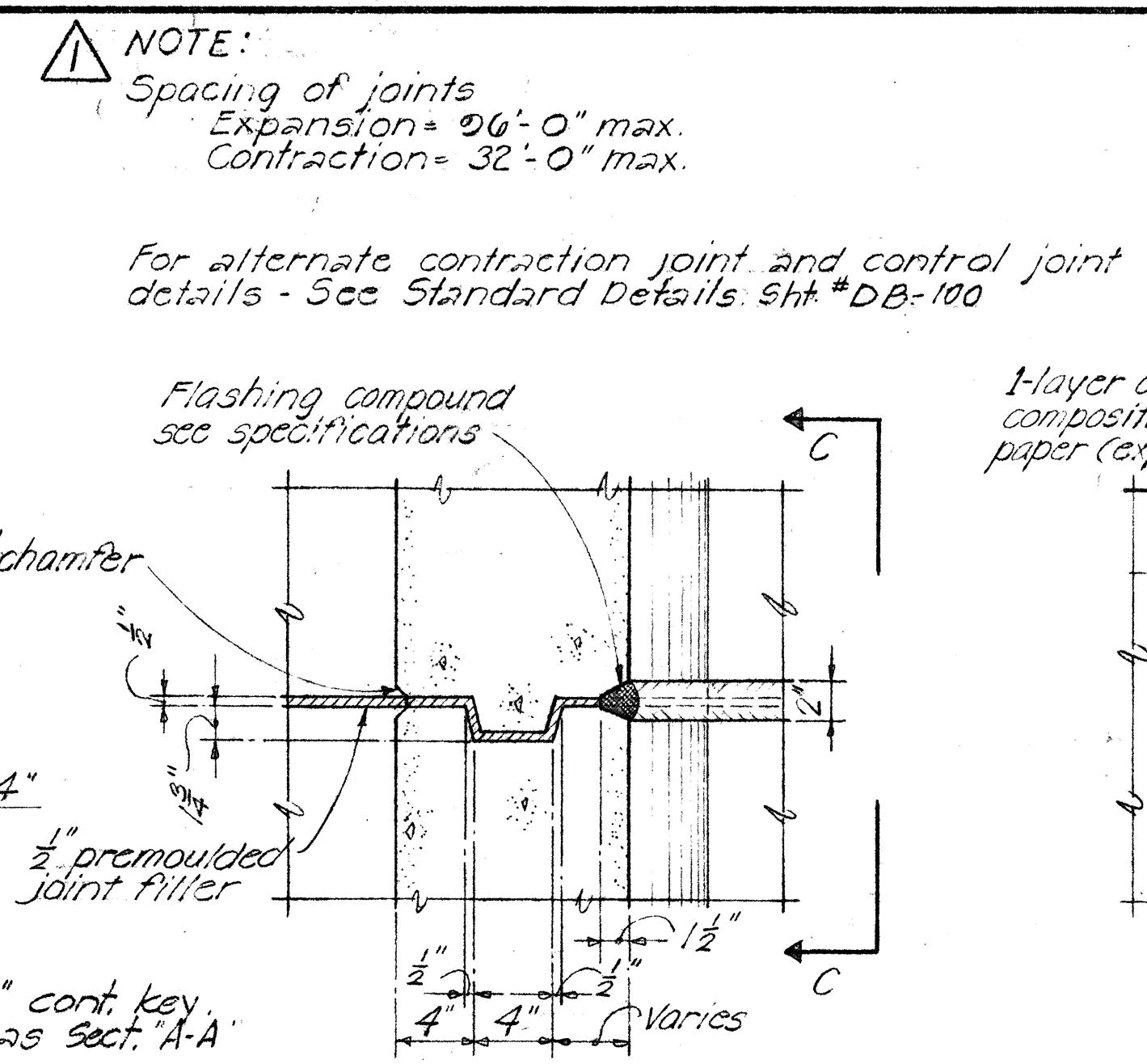
STANDARD DETAILS
OVERHEAD SIGN SUPPORTS

Scale As Shown
SHEET No. 1 OF 2 SHEETS DT 200

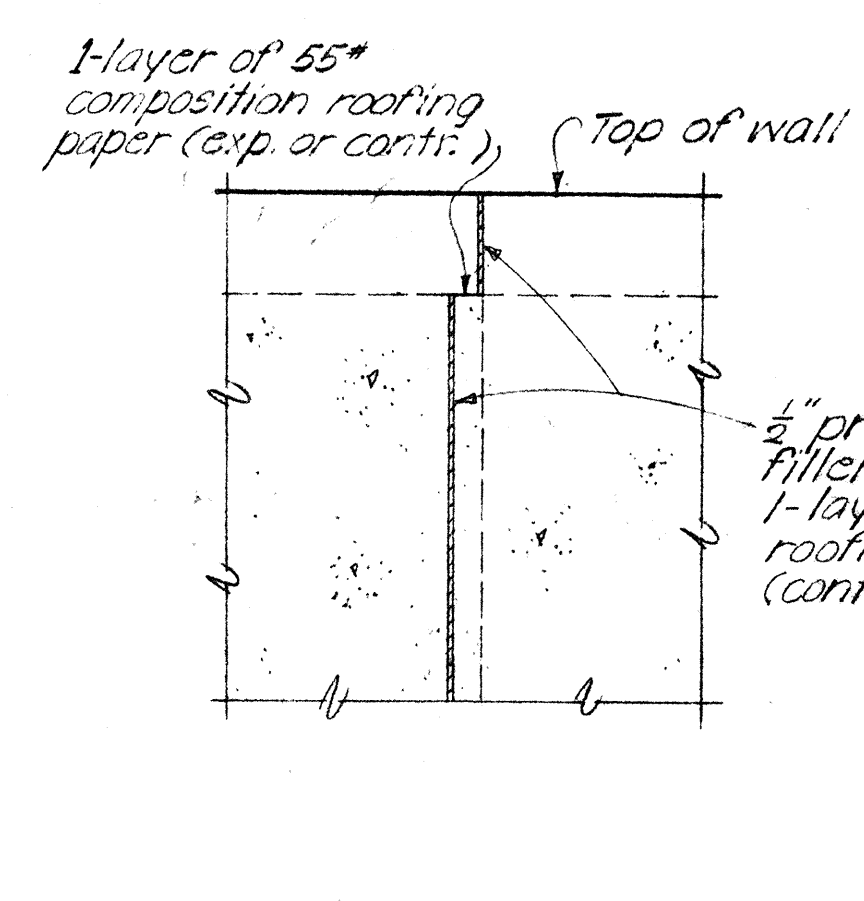
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	141(84)10	1978	466	466



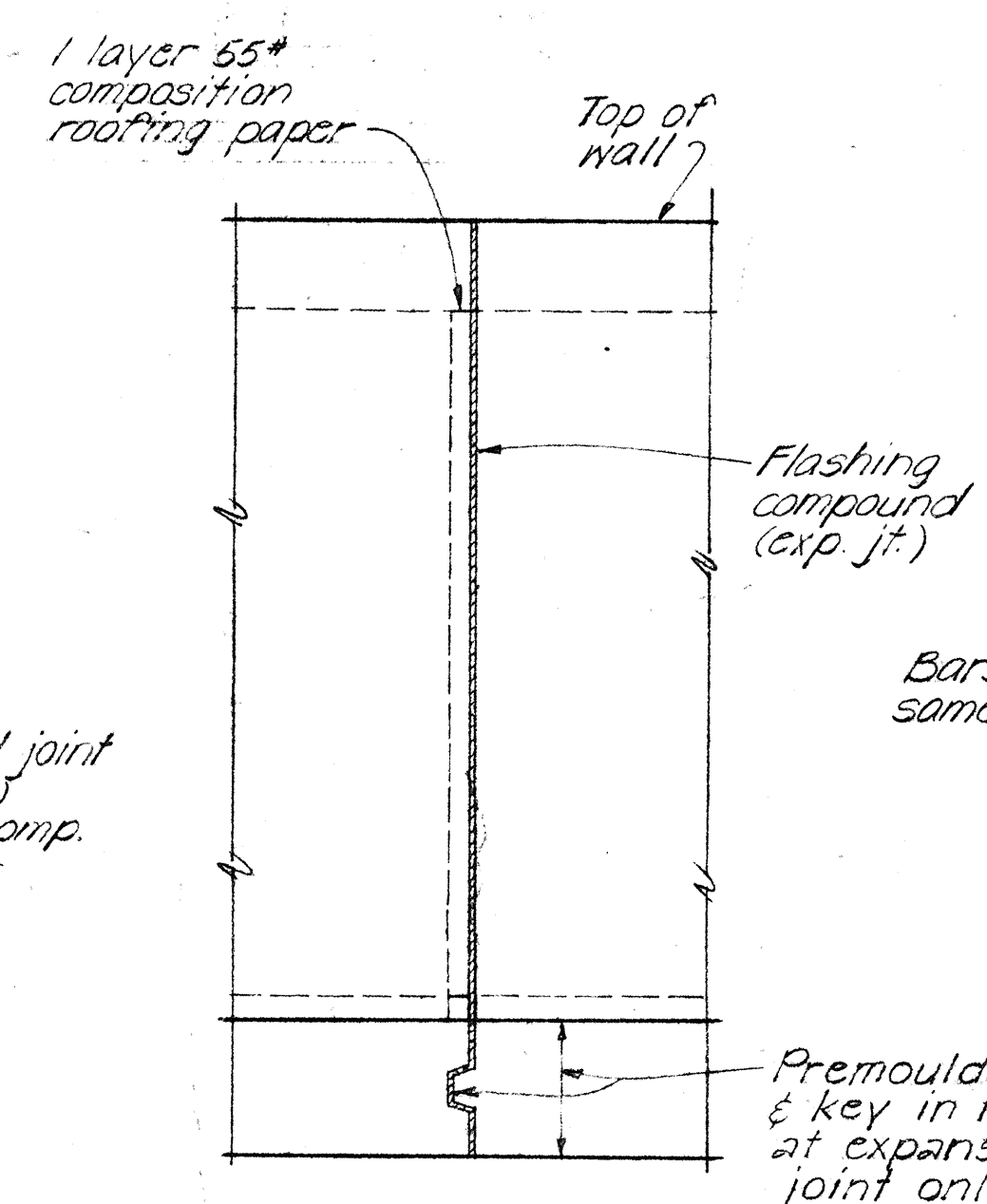
JOINT ELEVATION



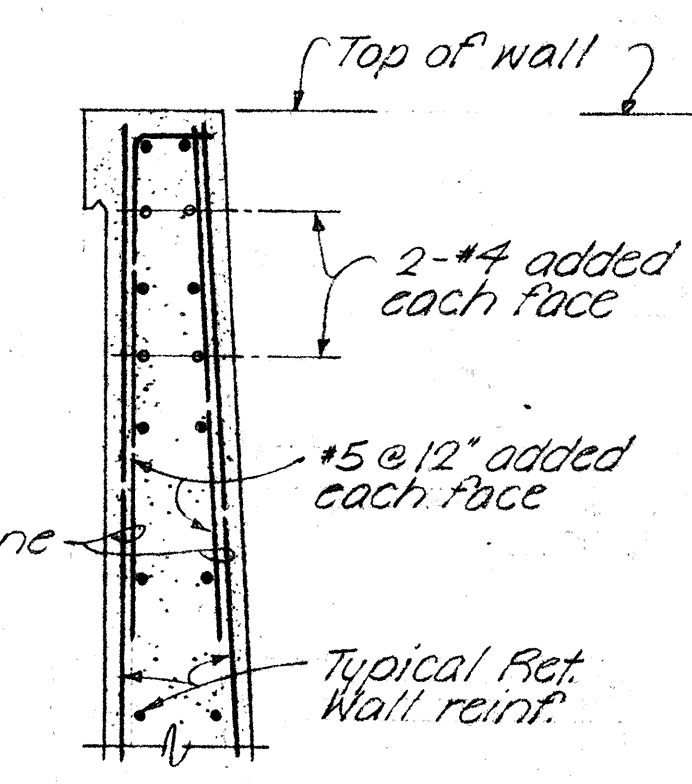
SECTION A-A



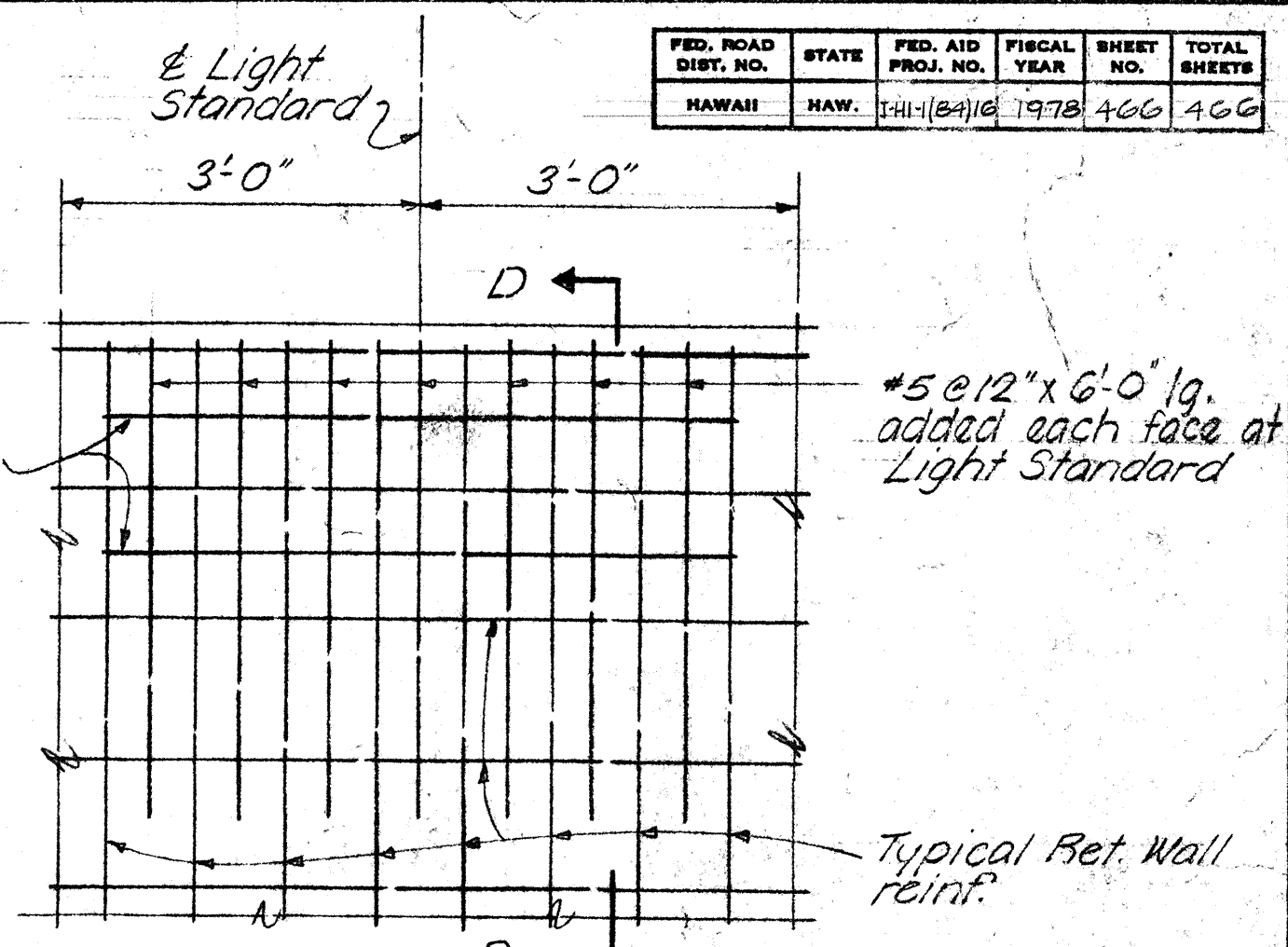
SECTION B-B



SECTION C-C

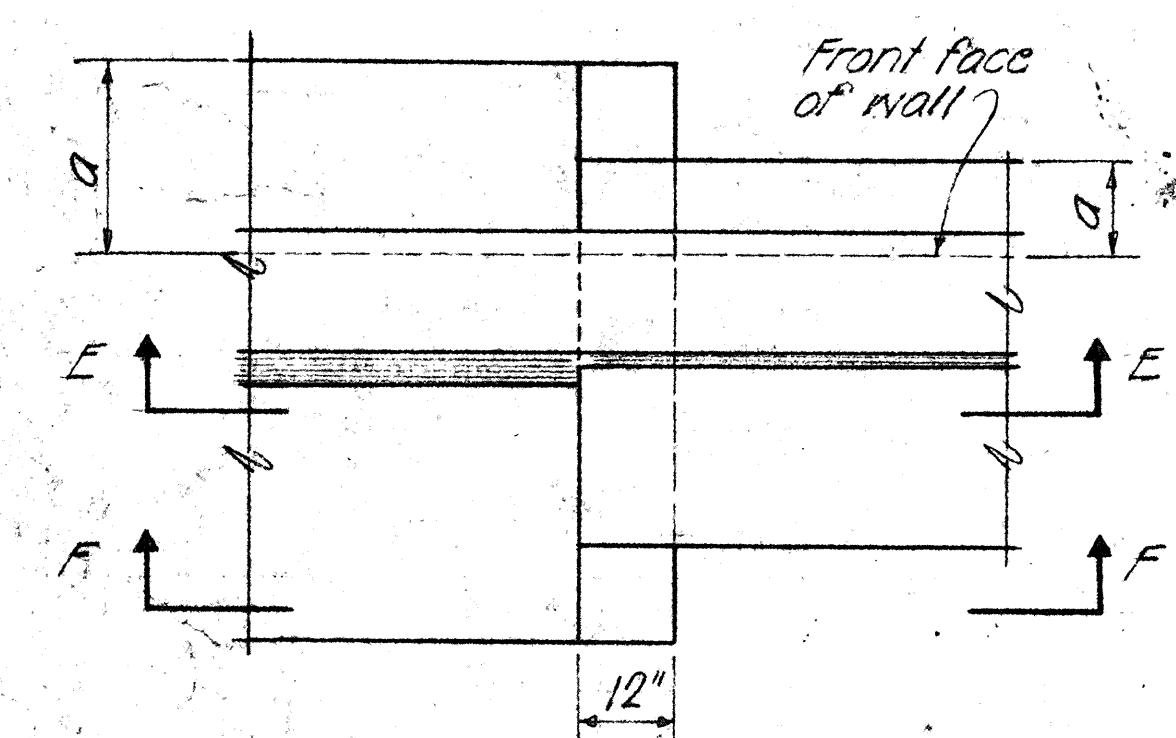


SECTION D-D

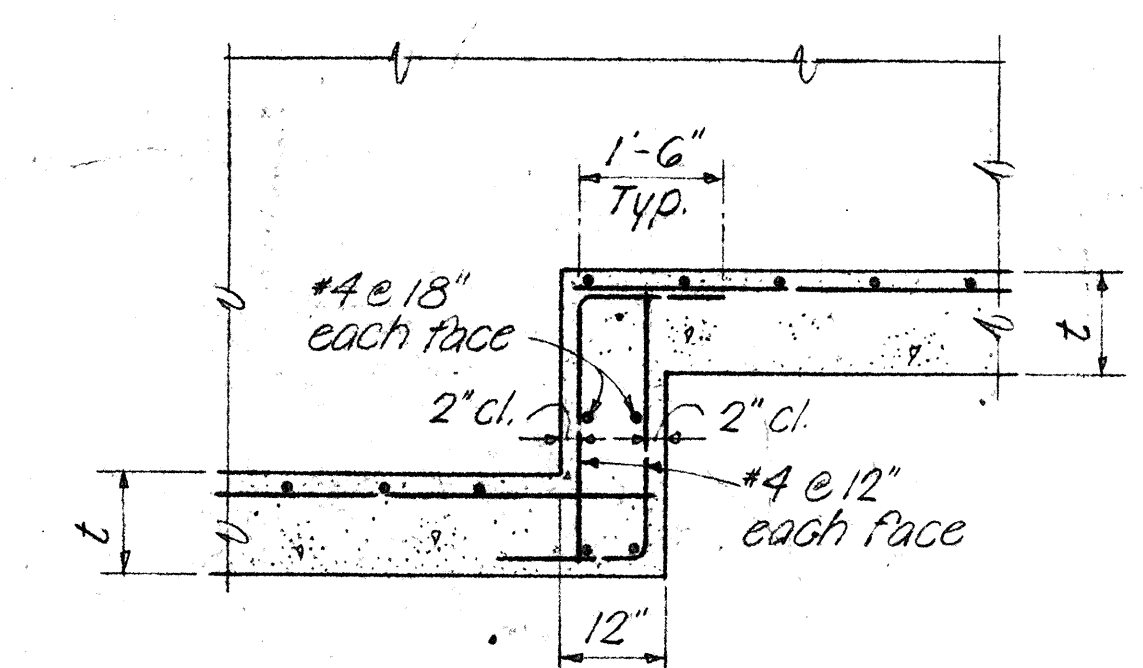


ELEVATION

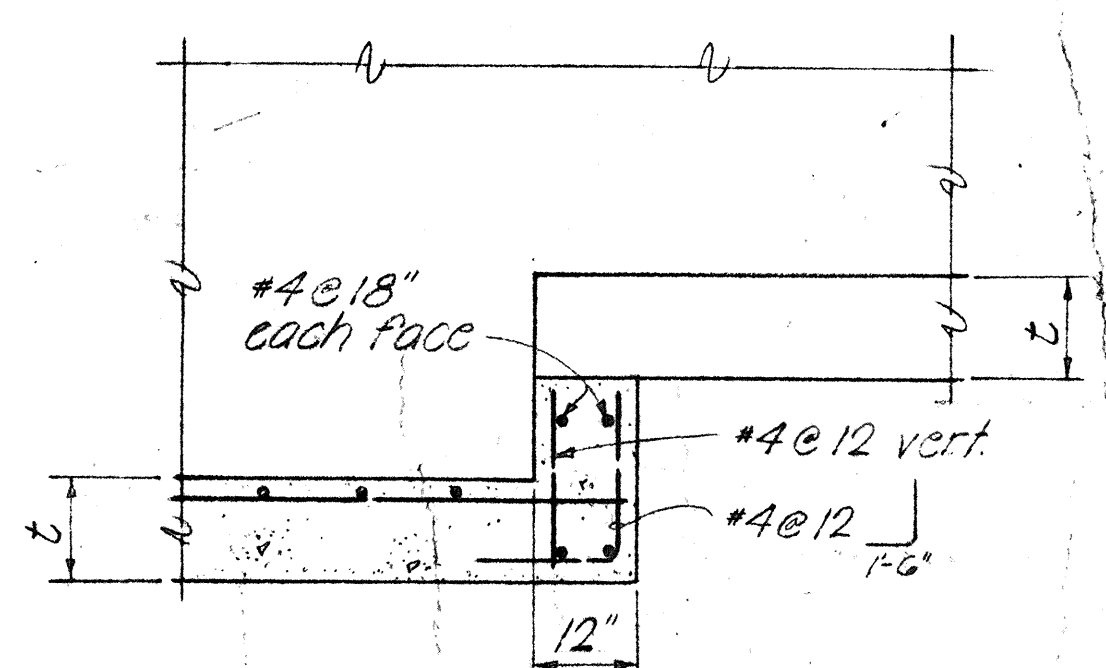
TYPICAL ADDED REINFORCEMENT AT LIGHT STANDARD BASE No Scale



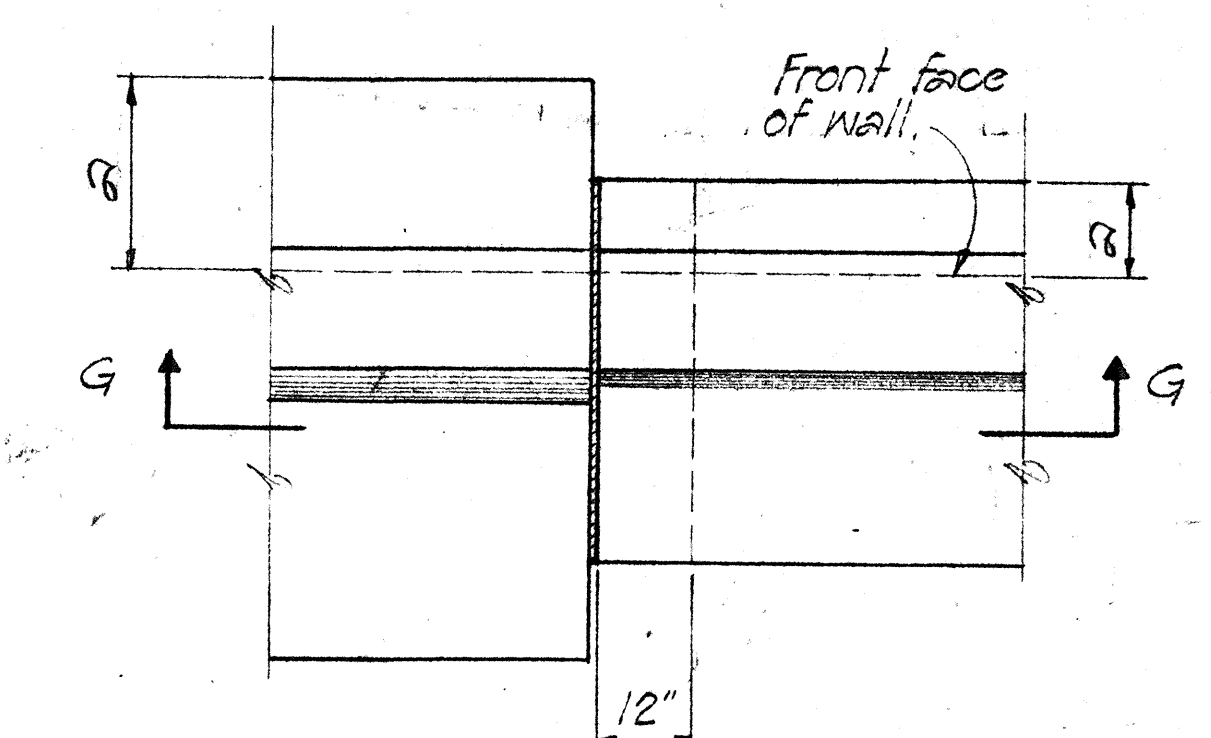
PLAN



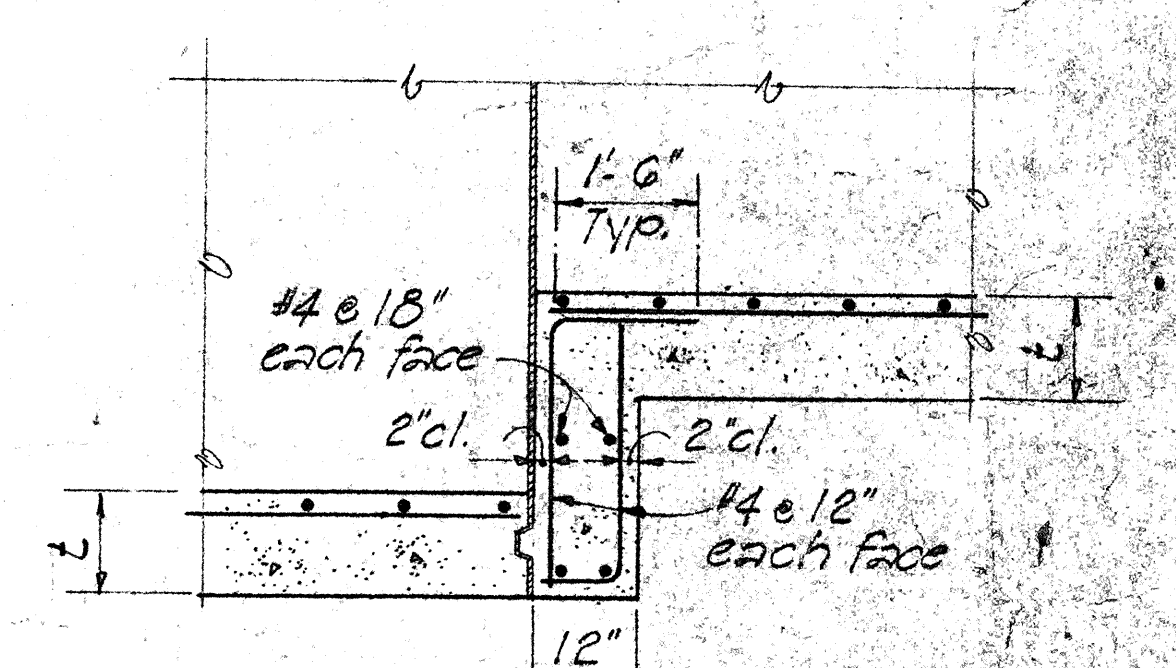
SECTION E-E AT CONTINUOUS FOOTING



SECTION F-F



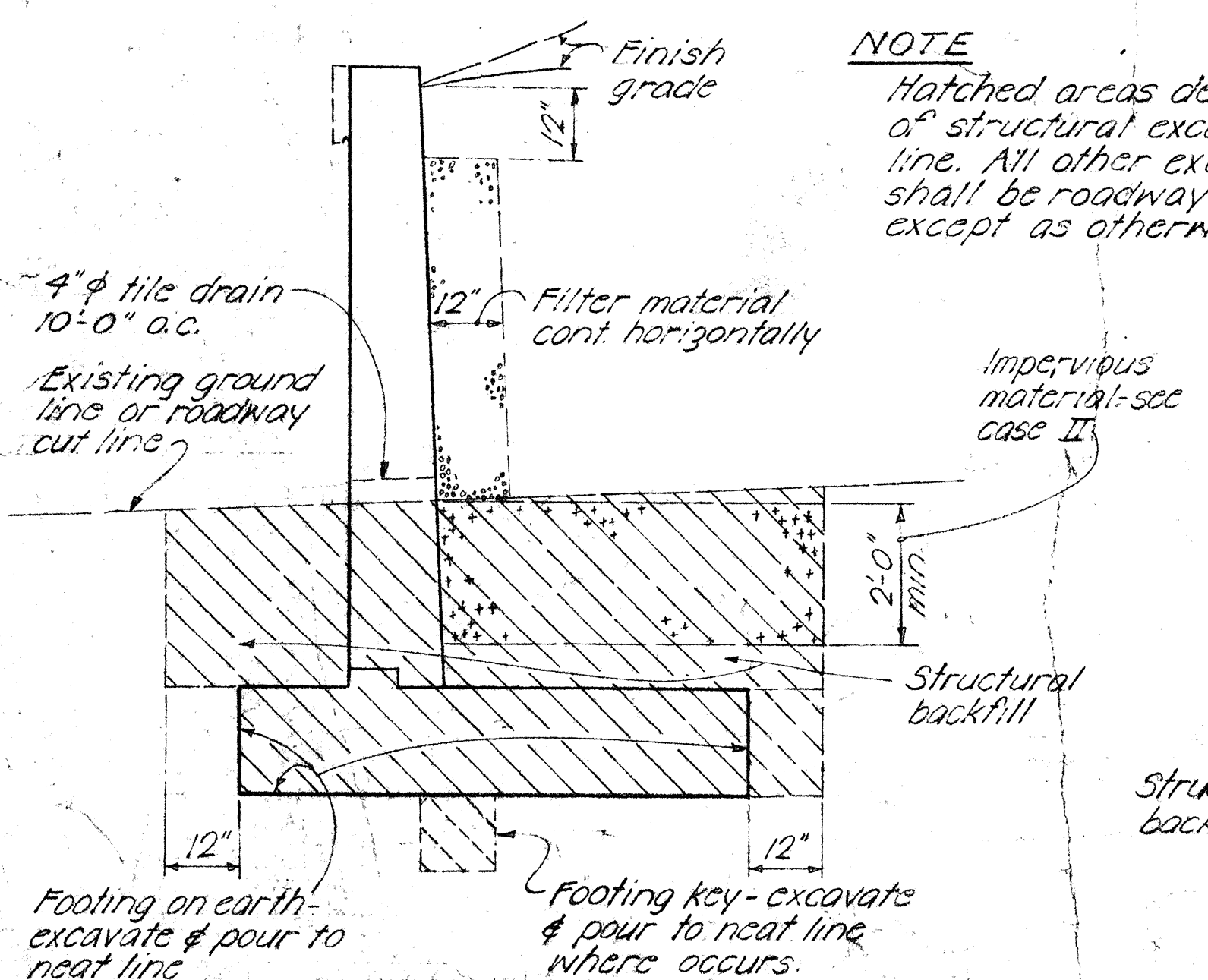
PLAN



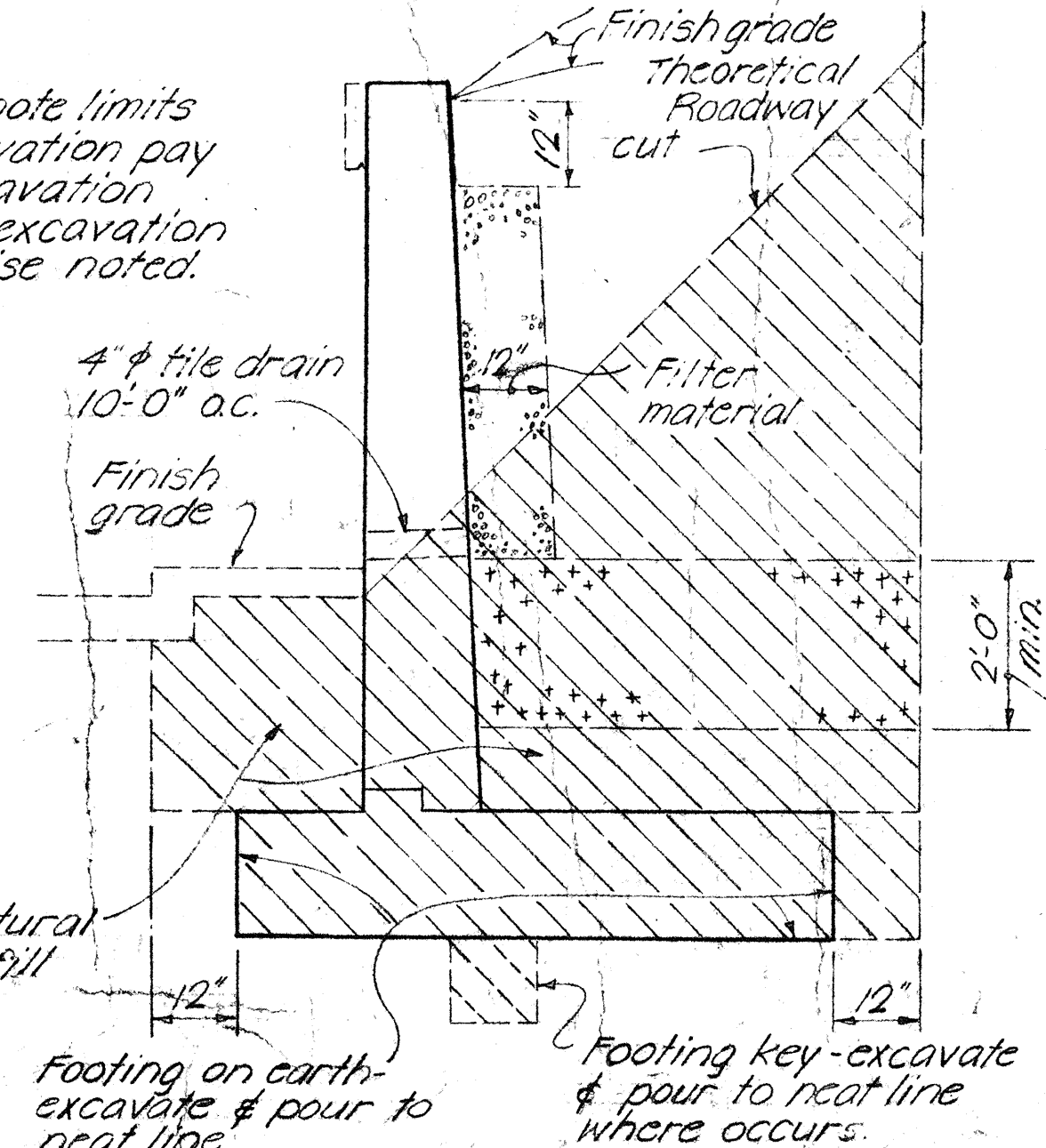
SECTION G-G

AT EXPANSION JOINT

TYPICAL FOOTING STEP-UP DETAILS No Scale



CASE I



CASE II

STRUCTURAL EXCAVATION & DRAINAGE DETAILS No Scale

NOTE

Hatched areas denote limits of structural excavation pay line. All other excavation shall be roadway excavation except as otherwise noted.

Impervious material as selected by the Engineer incidental to structural excavation. The subgrade upon which filter material is to be placed shall be made as impervious as possible by pneumatic tamping or other approved methods. Impervious material shall be incidental to roadway excavation or imported borrow when used in embankment area.

APPROVAL RECOMMENDED:
Paul T. Yamashita
BRIDGE DESIGN ENGINEER 1-23-76 DATE

APPROVED
Paul T. Yamashita
For ASSISTANT CHIEF, ENGINEERING 1-28-76 DATE

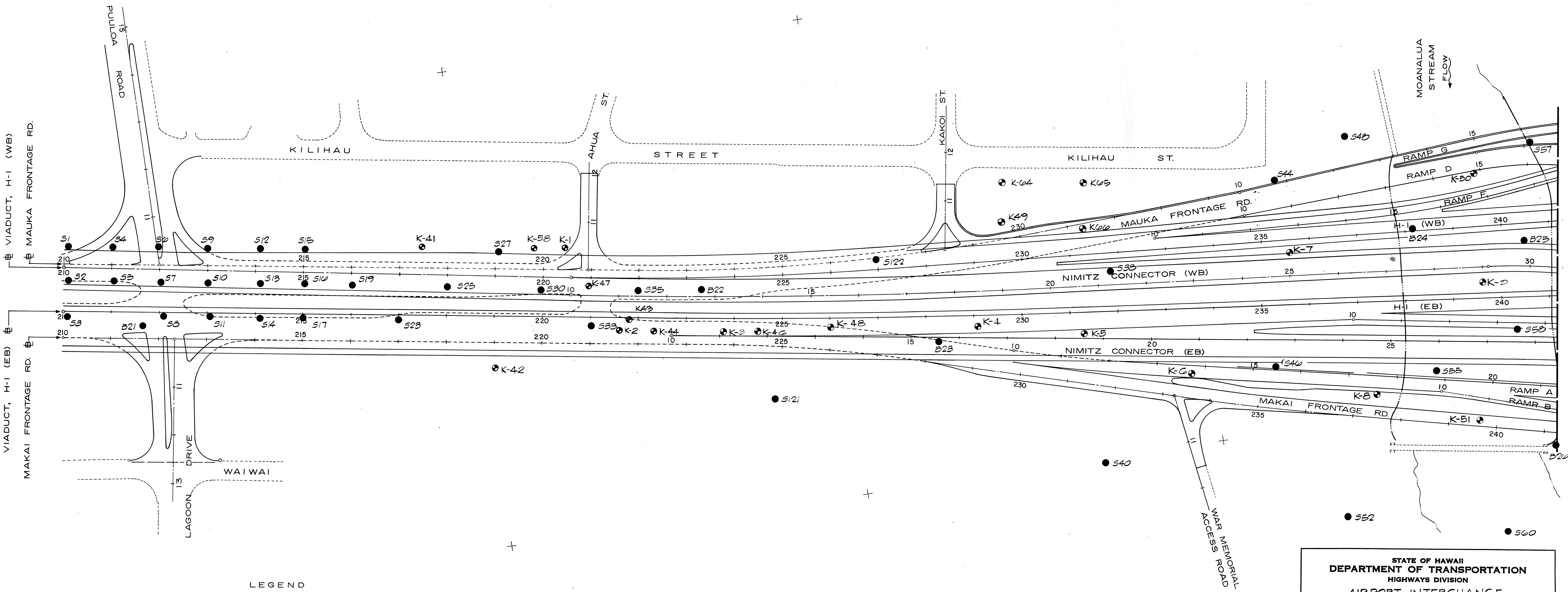
NO	REVISION	APPROVED BY	DATE
1	Change note spacing of joints.	H.F.	2.4.72

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
RETAINING WALL TYPE T-1

SCALE AS NOTED DATE
SHEET NO. 2 OF 2 SHEETS DB-207-2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(84):16	1978	466A	466



ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

LEGEND

- VIADUCT STRUCTURE
- BELOW VIADUCT ON GRADE
- EXISTING

BORING LOCATIONS

- "B" SERIES BORINGS DRILLED IN 1967
- "S" SERIES BORINGS DRILLED IN 1970
- "K" SERIES BORINGS DRILLED IN 1974

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
AIRPORT INTERCHANGE
BORING LOCATION PLAN

INTERSTATE ROUTE H-1
PROJECT No. I-HI-1 (84):16
SCALE: 1" = 100' DATE: MAY 16, 78
SHEET No. 466A OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(84):16	1978	466B	466

GENERAL NOTES
AND LEGEND

S-24 ← BORING NUMBER

0.2' — ORIGINAL GROUND SURFACE ELEVATION
Nx 92% PERCENT OF ROCK CORE RUN RECOVERED

SH. SHELBY TUBE
HYD. HYDRAULICALLY PRESSED

← WATER LEVEL

"N" — NUMBER OF BLOWS OF 40 LB. HAMMER FALLING 30" PER FOOT OF PENETRATION OF SAMPLER EITHER SPLIT SPOON (2' O.D., 1 3/8" I.D.) OR SHELBY TUBE (SH.). WHERE "SH." IS NOT LISTED, USE OF SPLIT SPOON SAMPLER IS UNDERSTOOD.

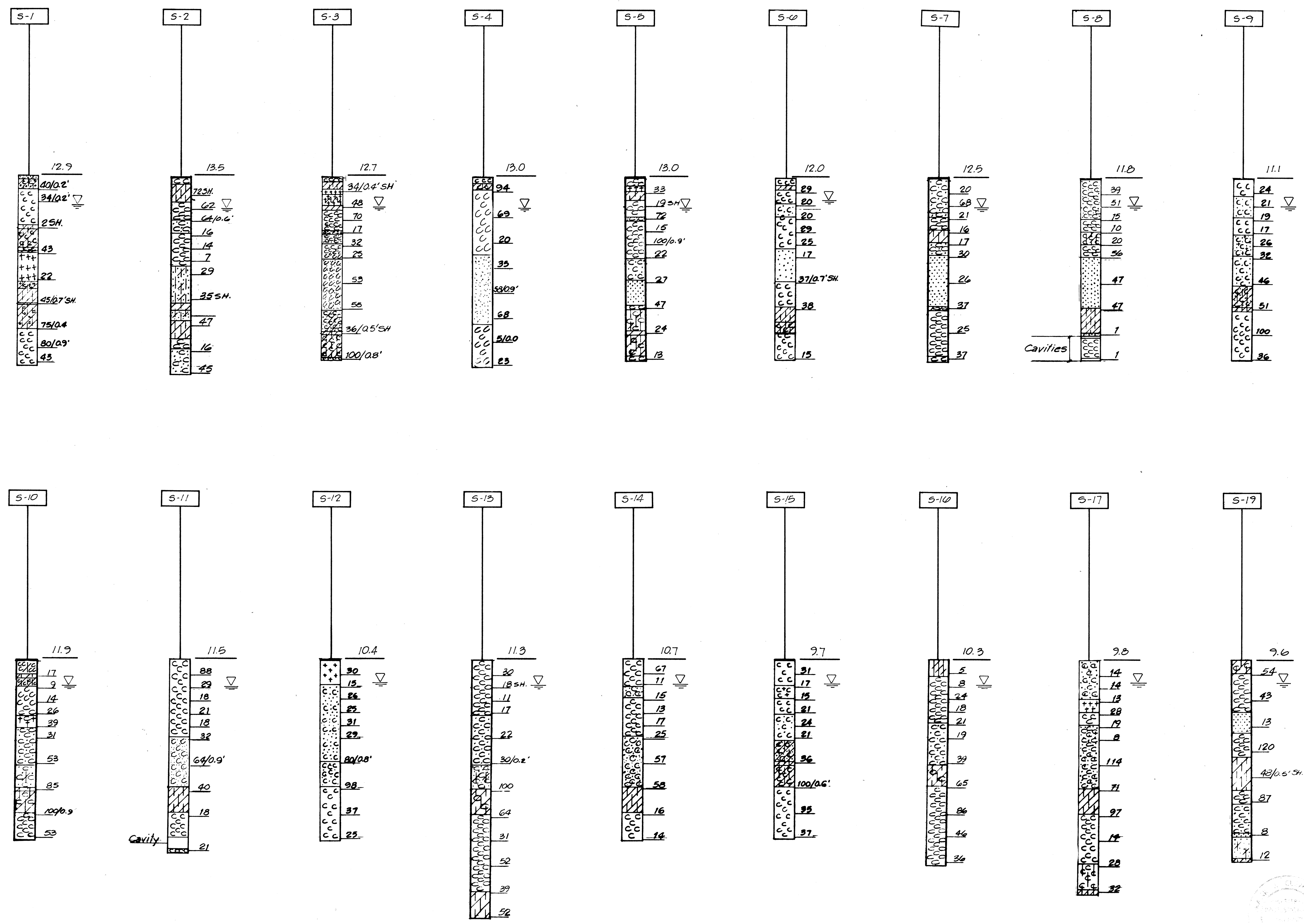
SOIL SYMBOLS REPRESENT A GENERALIZED CLASSIFICATION. FOR INSTANCE, "TRACE" QUANTITIES ARE NOT DEPICTED IN GRAPHIC LOG. THE PENETRATION OF DENSITIES OF GRANULAR MATERIALS (LOOSE, MEDIUM, ETC.) AND CONSISTENCIES OF COHESIVE SOILS (SOFT, FIRM, STIFF, ETC.) ARE NOT SHOWN OTHER THAN THE "N" VALUES GIVEN AT SPECIFIC DEPTHS. SOIL COLORS ARE NOT GIVEN. SEE INSPECTORS LOGS FOR DETAILED CLASSIFICATION. INSPECTORS LOGS AND LABORATORY TEST DATA ARE AVAILABLE FOR CONTRACTORS USE UPON REQUEST.

BORING LOGS AND TEST DATA ARE SUPPLIED FOR THE CONVENIENCE OF BIDDERS ONLY AND THEIR USE IS SUBJECT TO ALL THE CONDITIONS SET FORTH IN SUBSECTION 102.05 OF THE STANDARD SPECIFICATIONS.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
AIRPORT INTERCHANGE
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT No. I-HI-1 (84):16
SCALE: 1"=20' VERT. DATE: MAY 16, 78
SHEET No. 81-2 OF 6 SHEETS

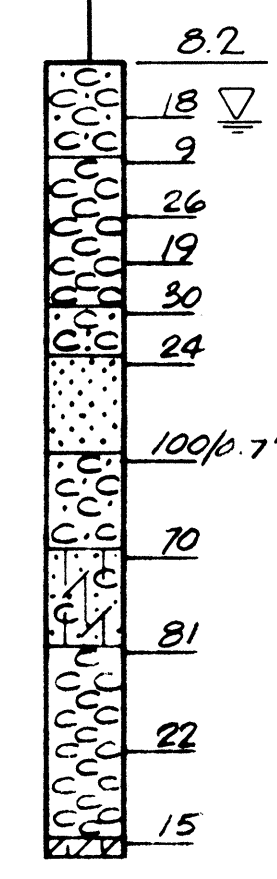
Frank M. Clements



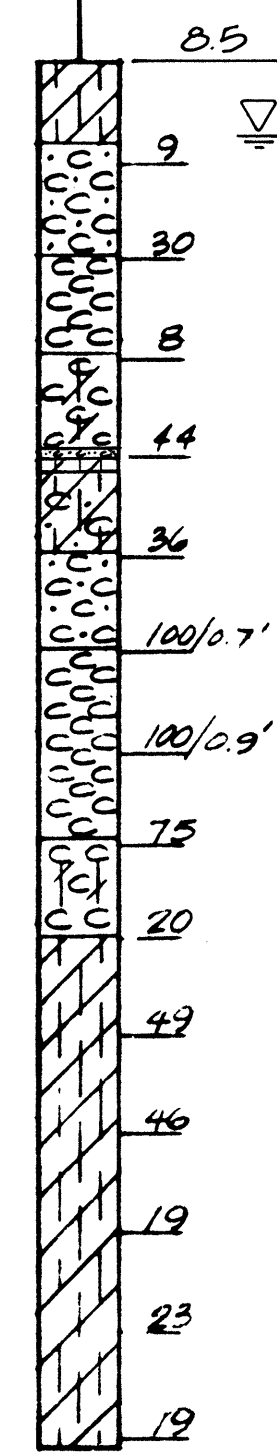
DATE	
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(84)16	1978	466C	466

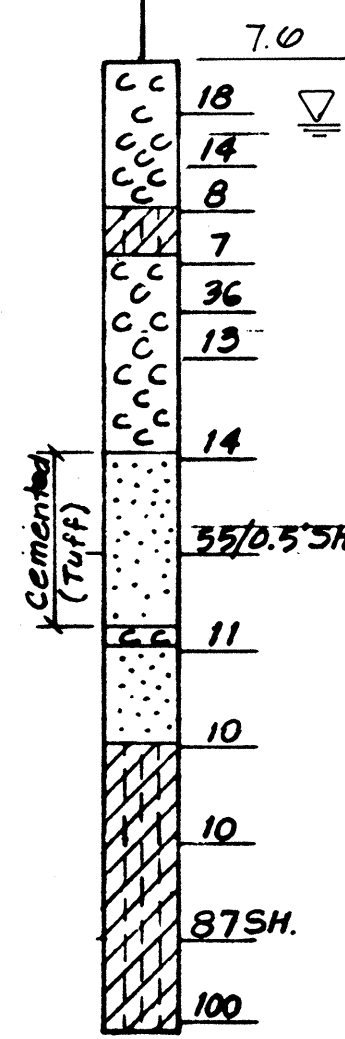
S-23



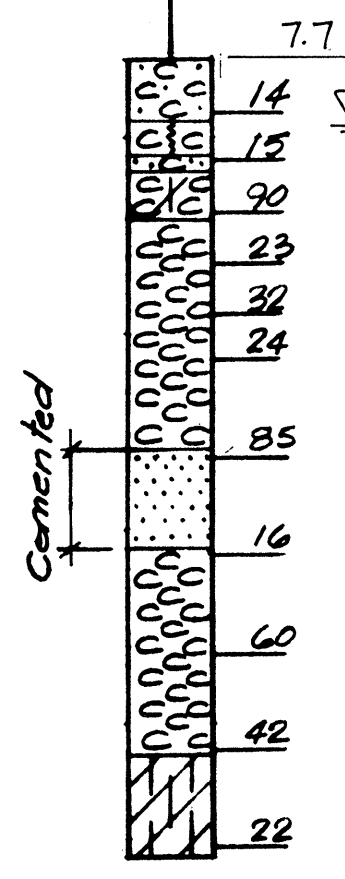
S-25



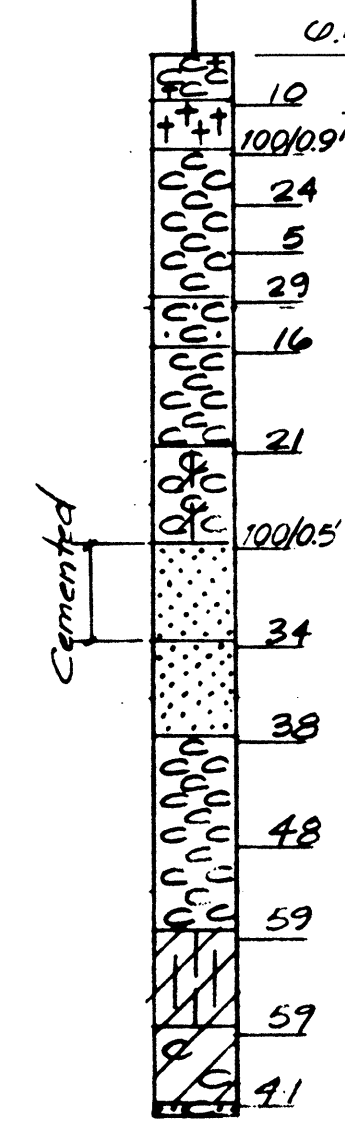
S-27



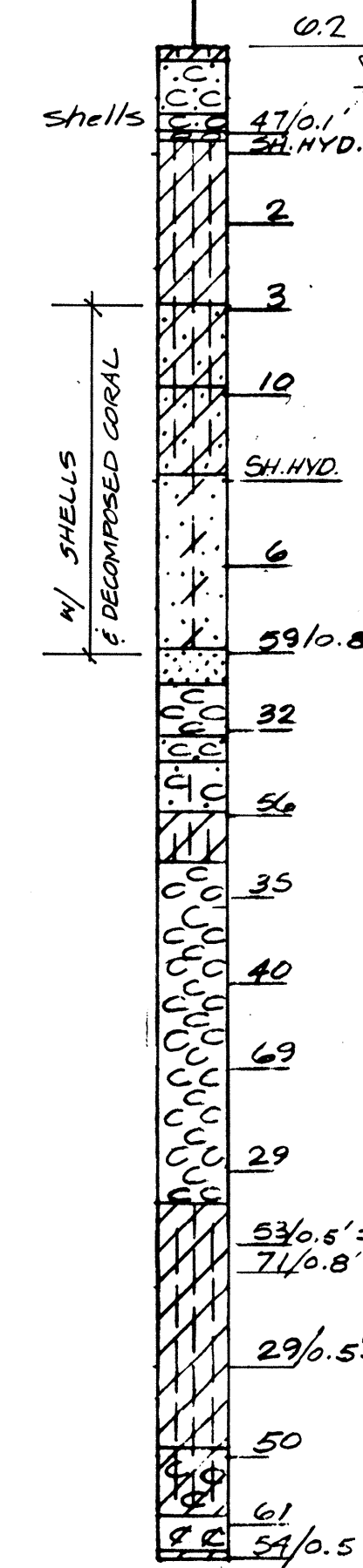
S-30



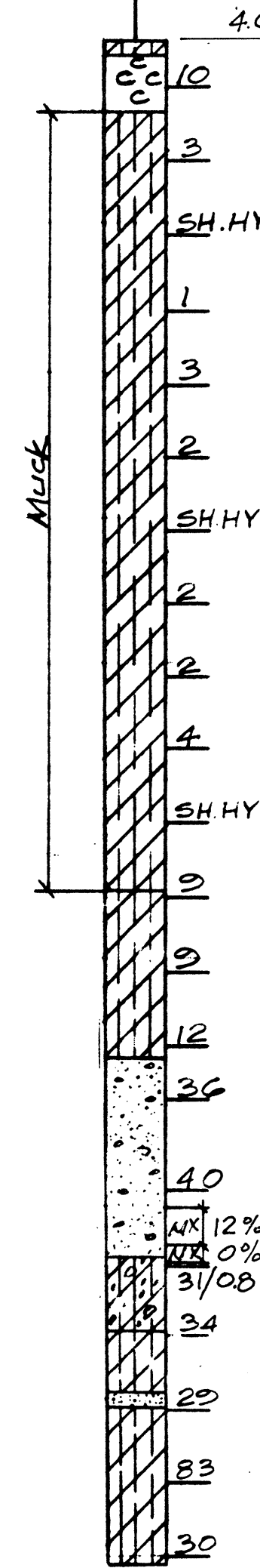
S-33



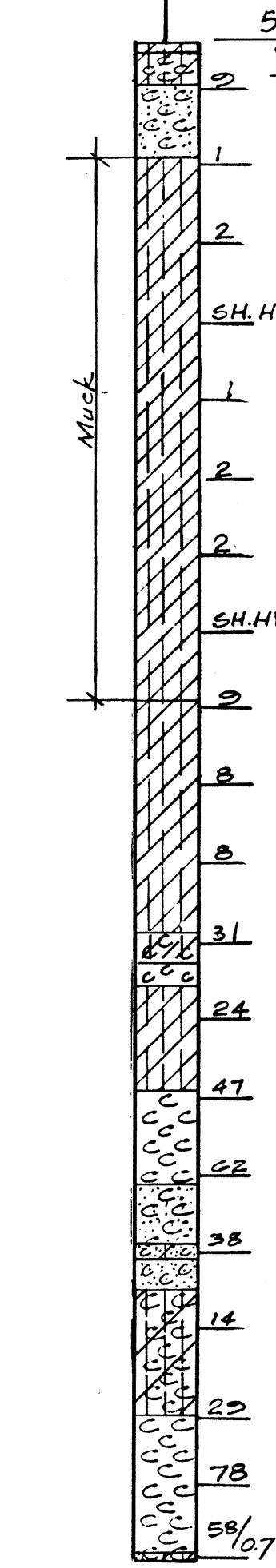
S-35



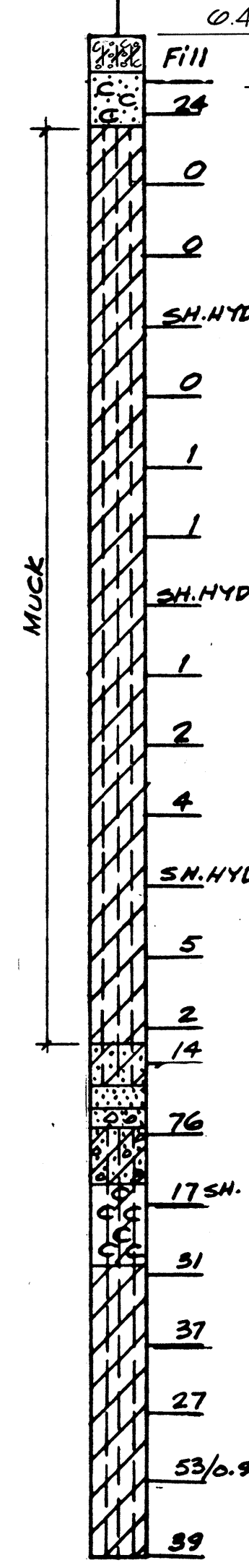
S-38



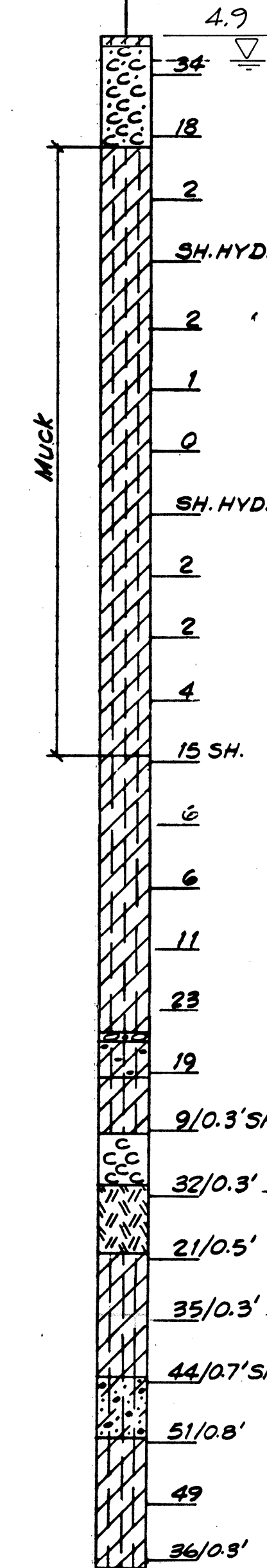
S-40



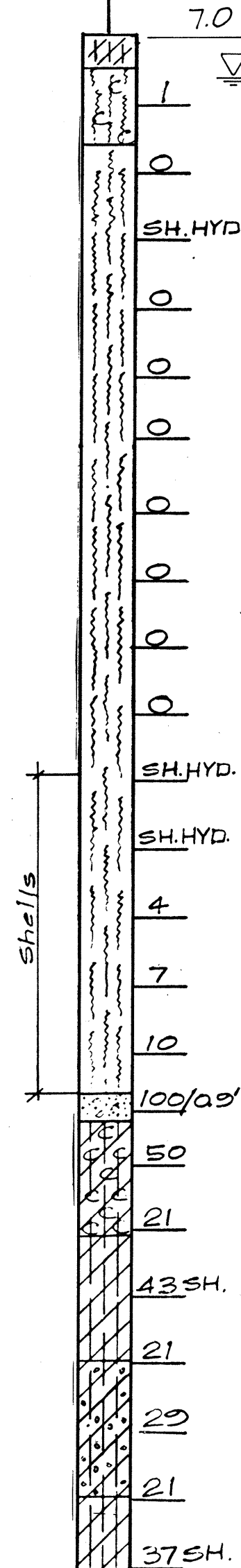
S-44



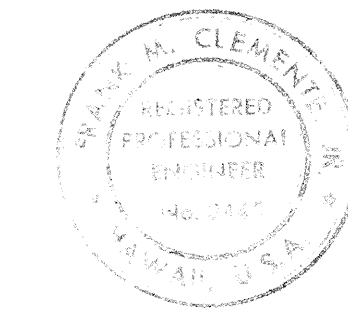
S-46



S-48



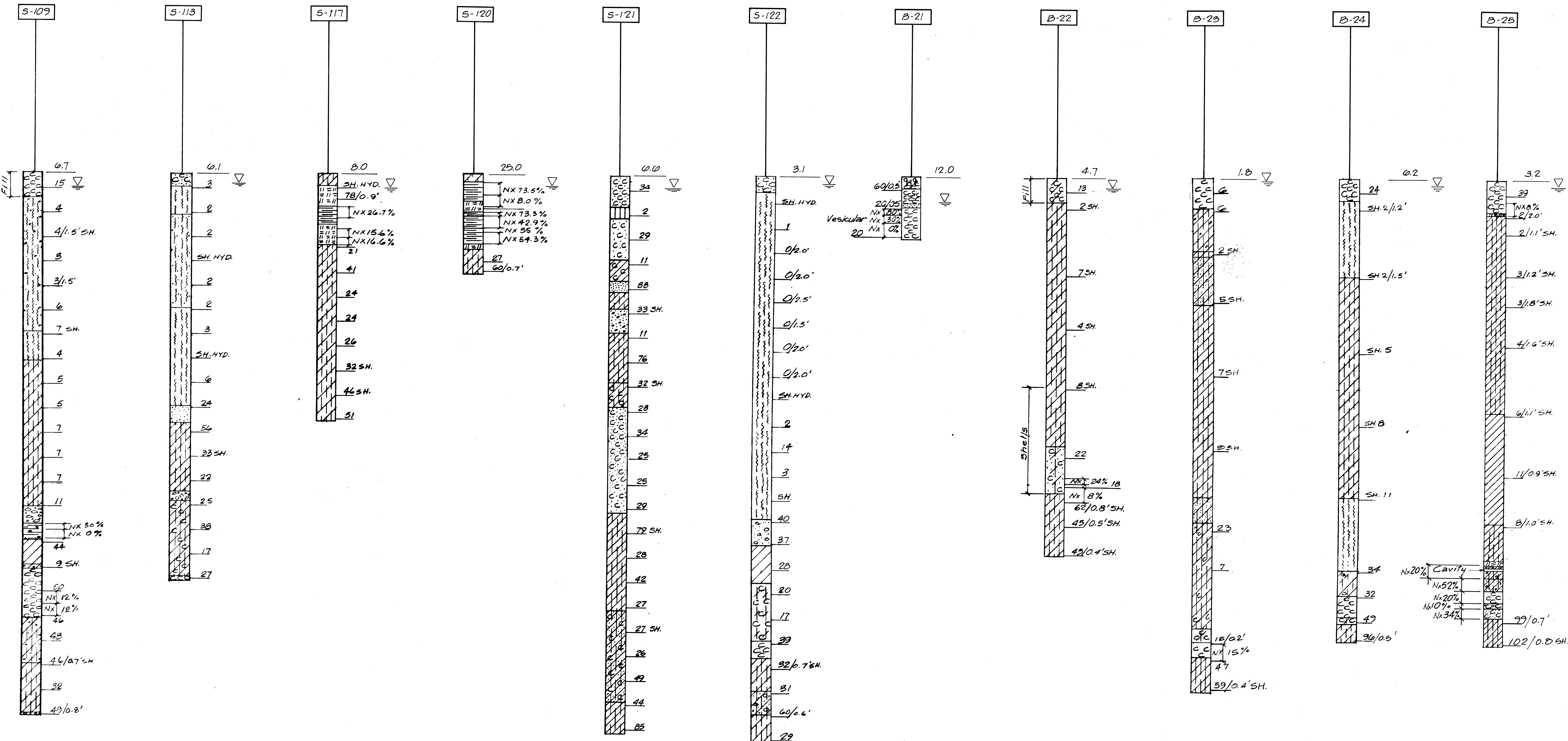
SURVEY PLOTTED BY: _____ DATE: _____
DRAWN BY: _____
TRACED BY: _____
NOTED BY: _____
CHECKED BY: _____
ORIGINAL PLAN: _____
NOTE BOOK: _____
NO. _____



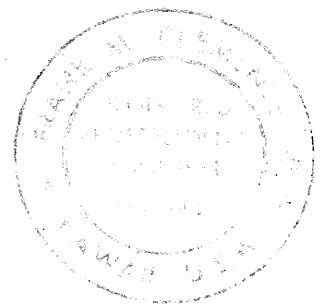
PREPARED BY
FRANK M. CLEMENTS
REGISTERED PROFESSIONAL ENGINEER
NO. 12345
HAWAII, U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**AIRPORT INTERCHANGE
BORING LOGS**
INTERSTATE ROUTE H-1
PROJECT No. I-HI-1 (84) 16
SCALE: 1"=20' VERT. DATE: MAY 16, 78
SHEET No. BL-3 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(84):16	1978	466D	466



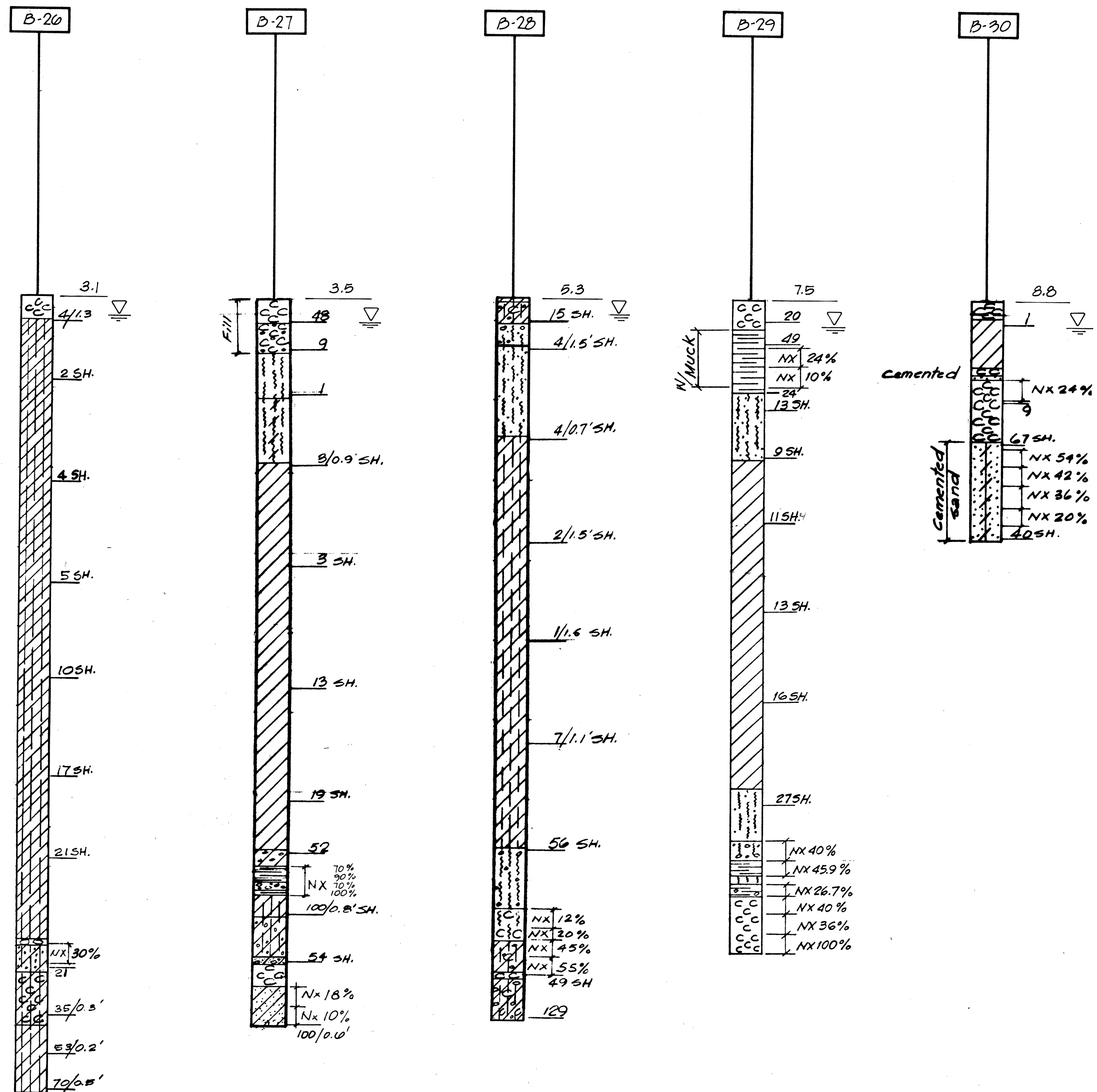
DATE	_____
DESIGNED BY	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____



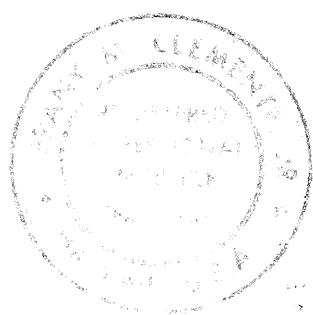
James H. [Signature]

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
AIRPORT INTERCHANGE
BORING LOGS
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (84):16
SCALE: 1"=20' VERT. DATE: MAY 16, 1978
SHEET NO. 4 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(84):16	1978	466E	466



DATE	
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	



Frank M. Clements

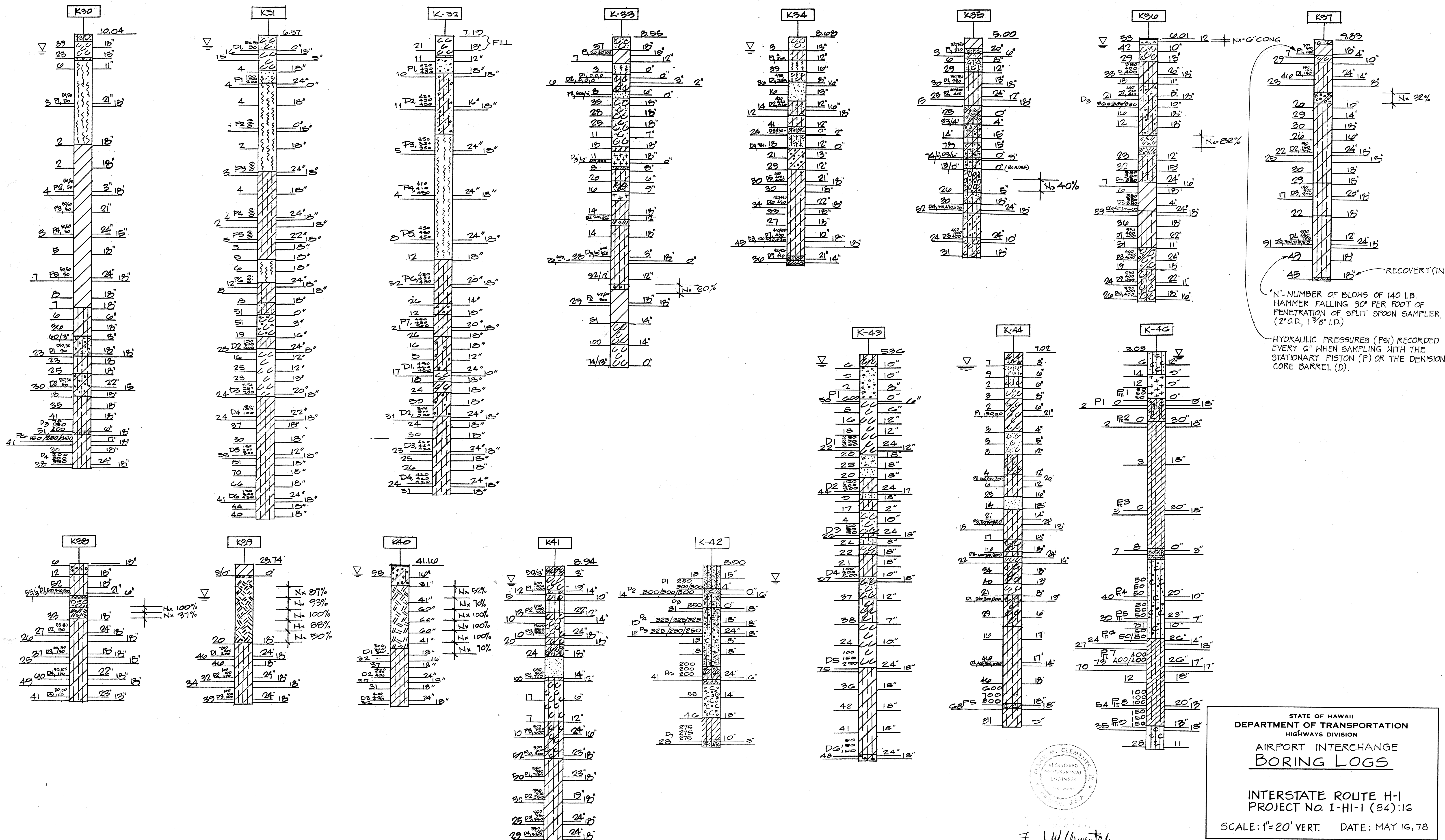
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**AIRPORT INTERCHANGE
BORING LOGS**

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (84):16
SCALE: 1"=20' VERT. DATE: MAY 16, 78

SHEET NO. BL-5 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(84)16	1978	466F	466



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 AIRPORT INTERCHANGE
 BORING LOGS
 INTERSTATE ROUTE H-1
 PROJECT NO. I-HI-1 (84)16
 SCALE: 1" = 20' VERT. DATE: MAY 16, 78
 SHEET NO. 81 OF 6 SHEETS

SURVEY PLOTTED BY
 DATE
 ORIGINAL PLAN
 DESIGNED BY
 NOTE BOOK
 QUANTITIES BY
 CHECKED BY
 NO.