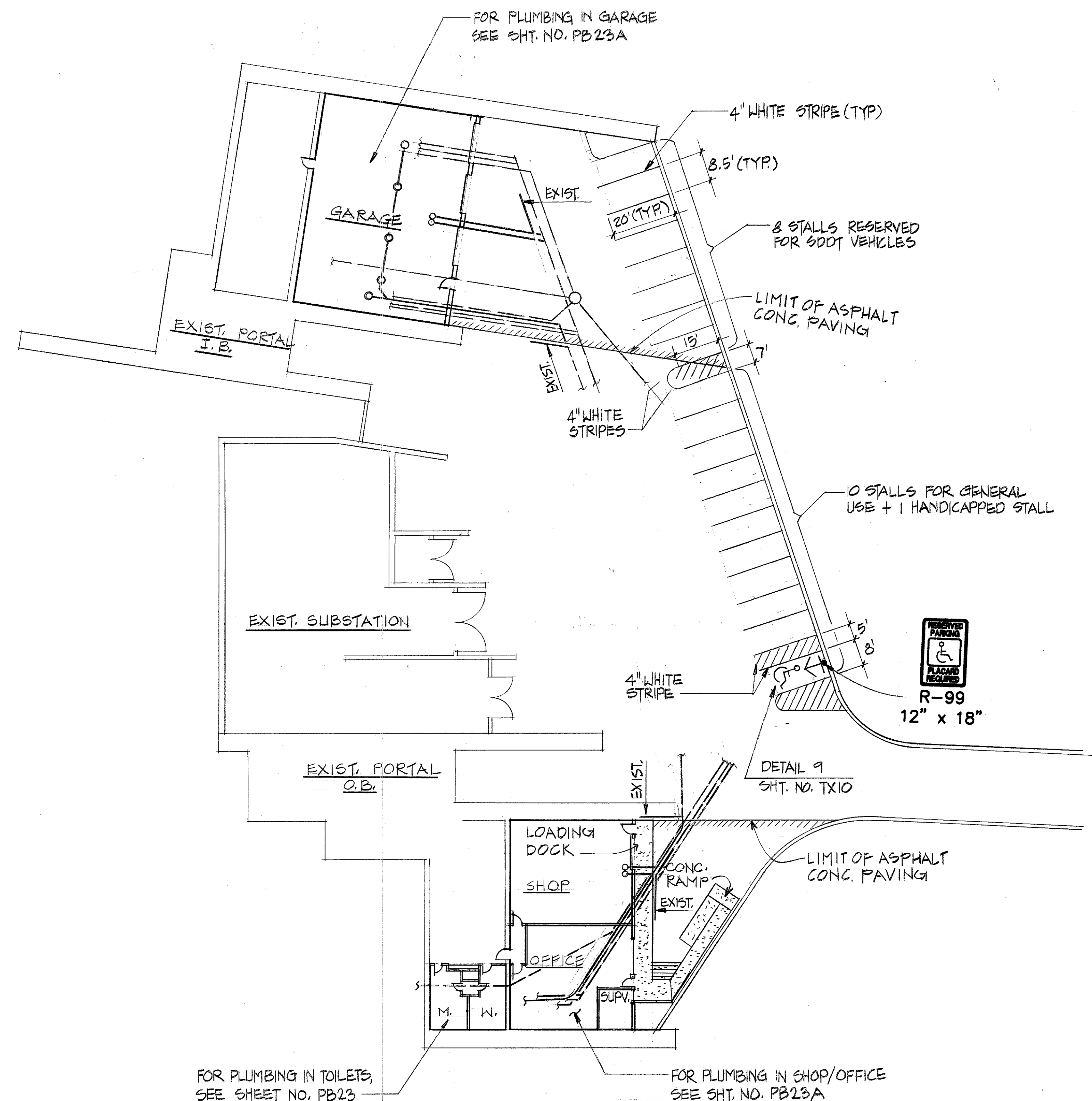


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	411	440

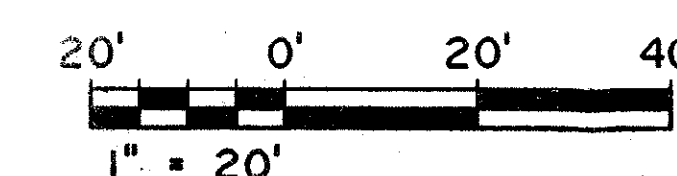


NOTE:

- DENOTES EXISTING UNDERGROUND UTILITIES
- DENOTES NEW UNDERGROUND UTILITIES

ORIGINAL PLAN	DATE
NO.	6/5/92
SURVEY PLOTTED BY	C. C. YANG
DESIGNED BY	C. F. FEE
QUANTITIES BY	C. F. FEE
CHECKED BY	D. E. DEGEN

GRAPHIC SCALE

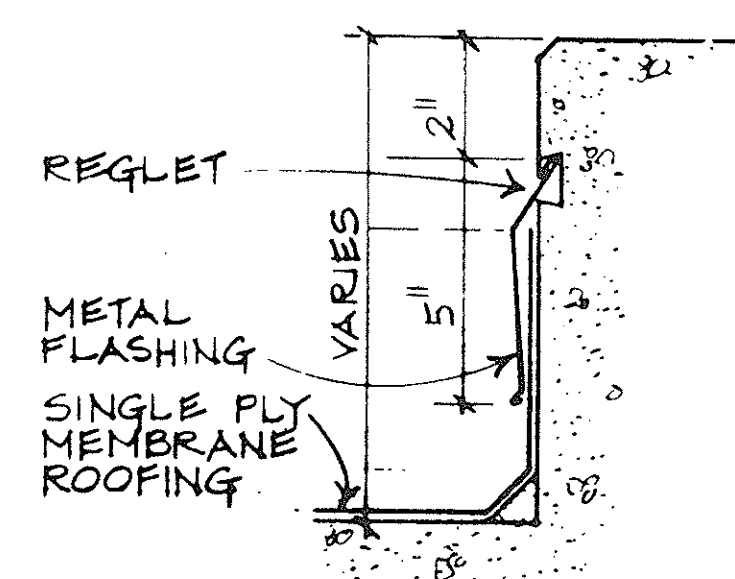


THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

William H. Hansme

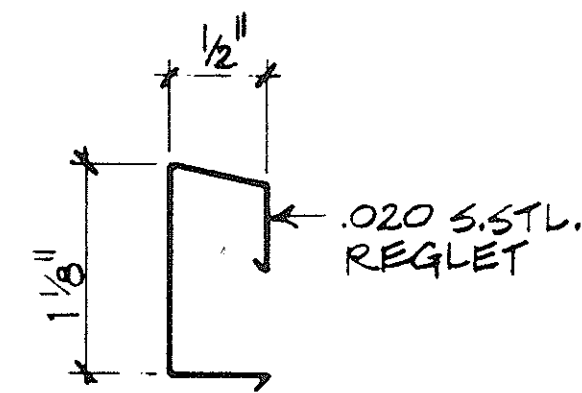
7/22/92	ADDENDUM 1 - GENERAL REVISION
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
SITE PLAN	
HAIKU O&M FACILITY	
INTERSTATE ROUTE H-3	
F.A.I. PROJ. NO. I-H3-1 (66)	
SCALE: 1" = 20'	DATE: JUN 1992
SHEET NO. PBI OF 28 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	413	440



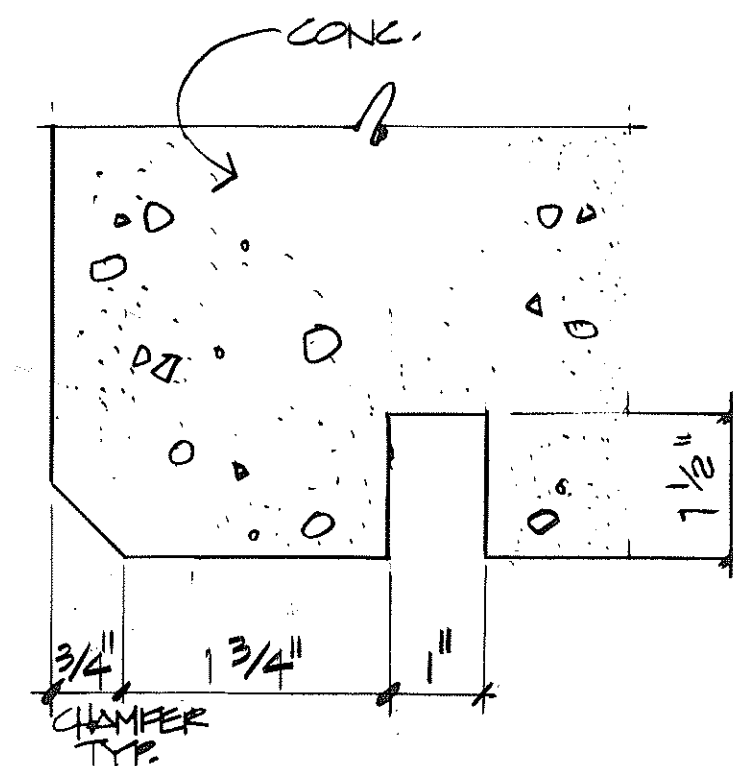
SECTION AT ROOF CURB
AND PARAPET

SCALE: 3"=1'-0"



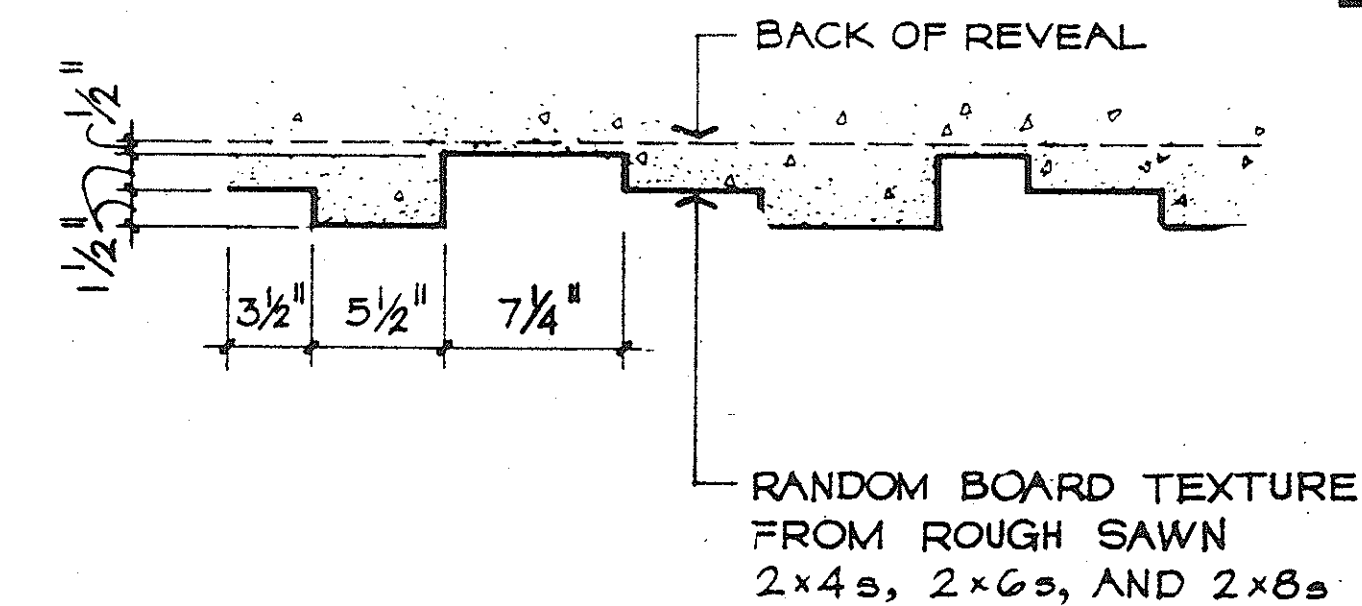
TYP. REGLET PROFILE

SCALE: FULL SIZE



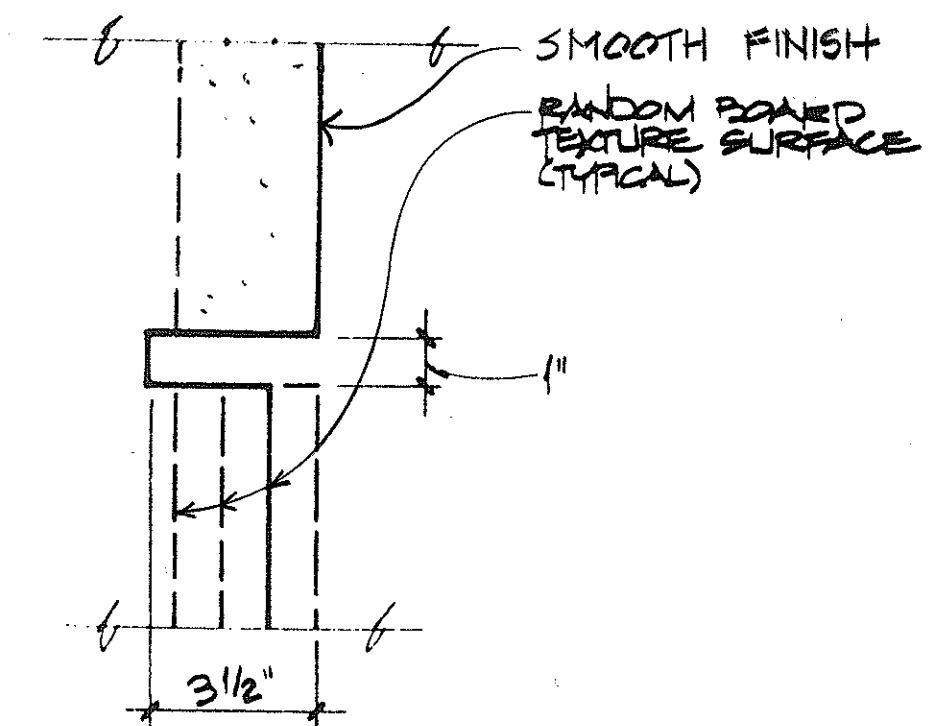
TYP. DRIP @ CONC.

SCALE: HALF SIZE



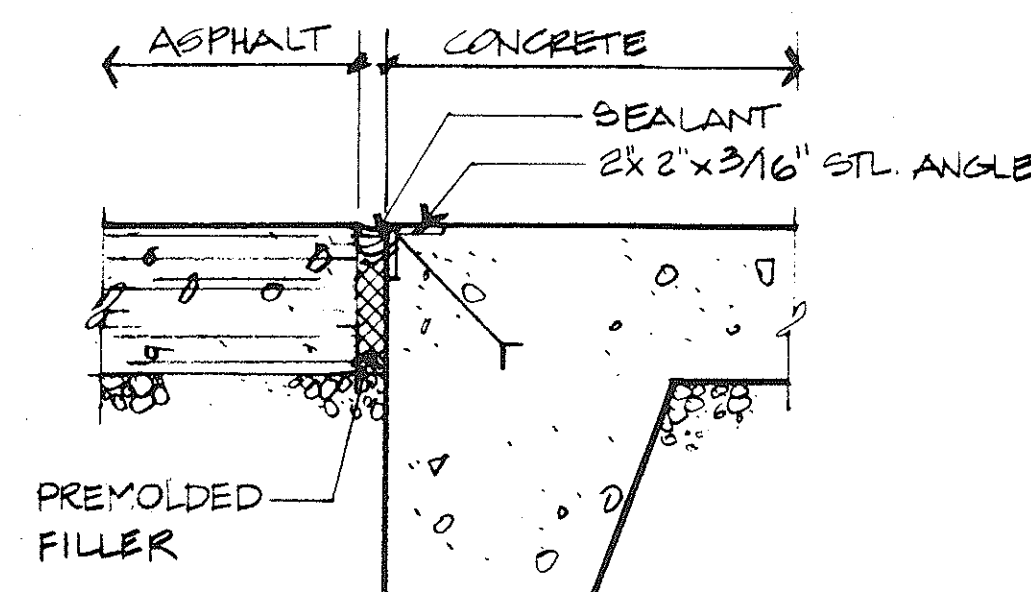
PLAN AT RANDOM BOARD TEXTURE

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



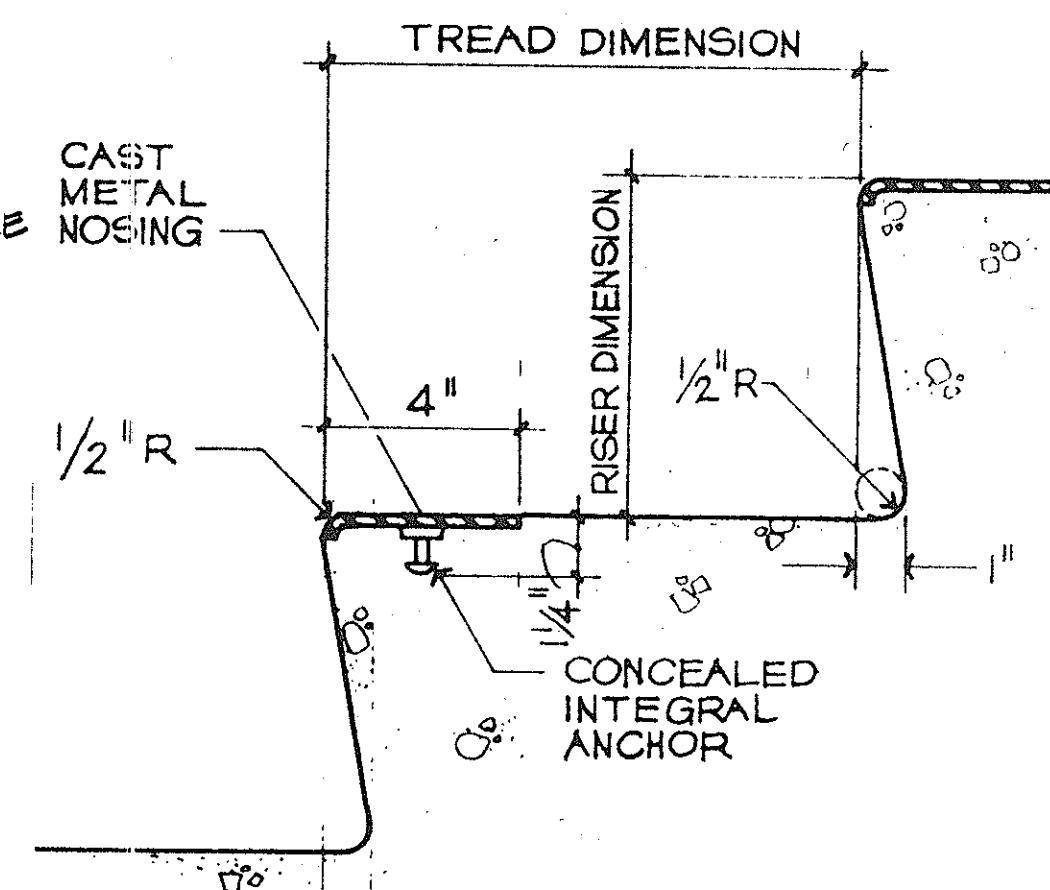
SECTION - TYPICAL
FOR VULNER JOINT

SCALE: 3"=1'-0"



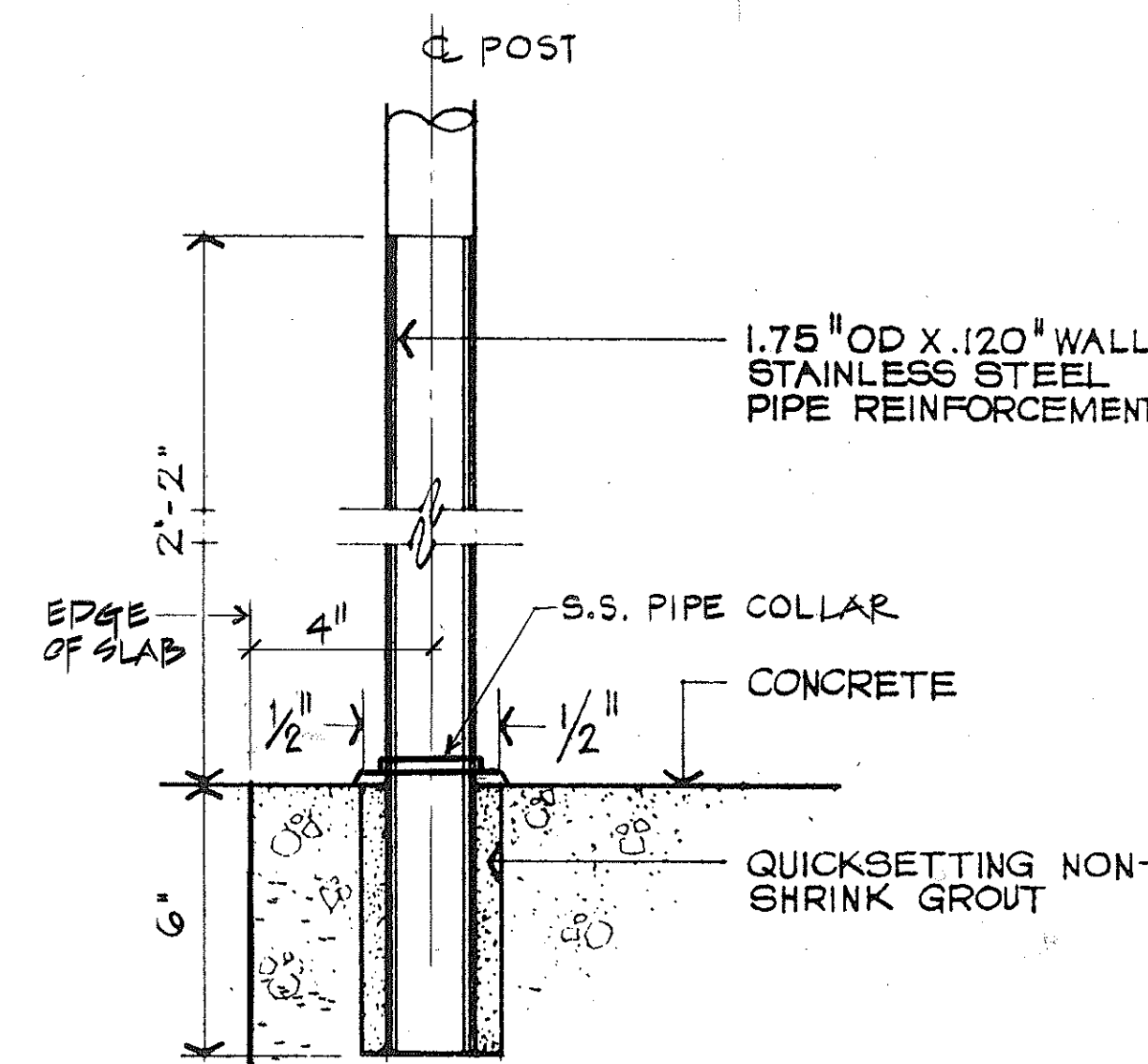
TRANSITION OF ASPHALT TO CONCRETE

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



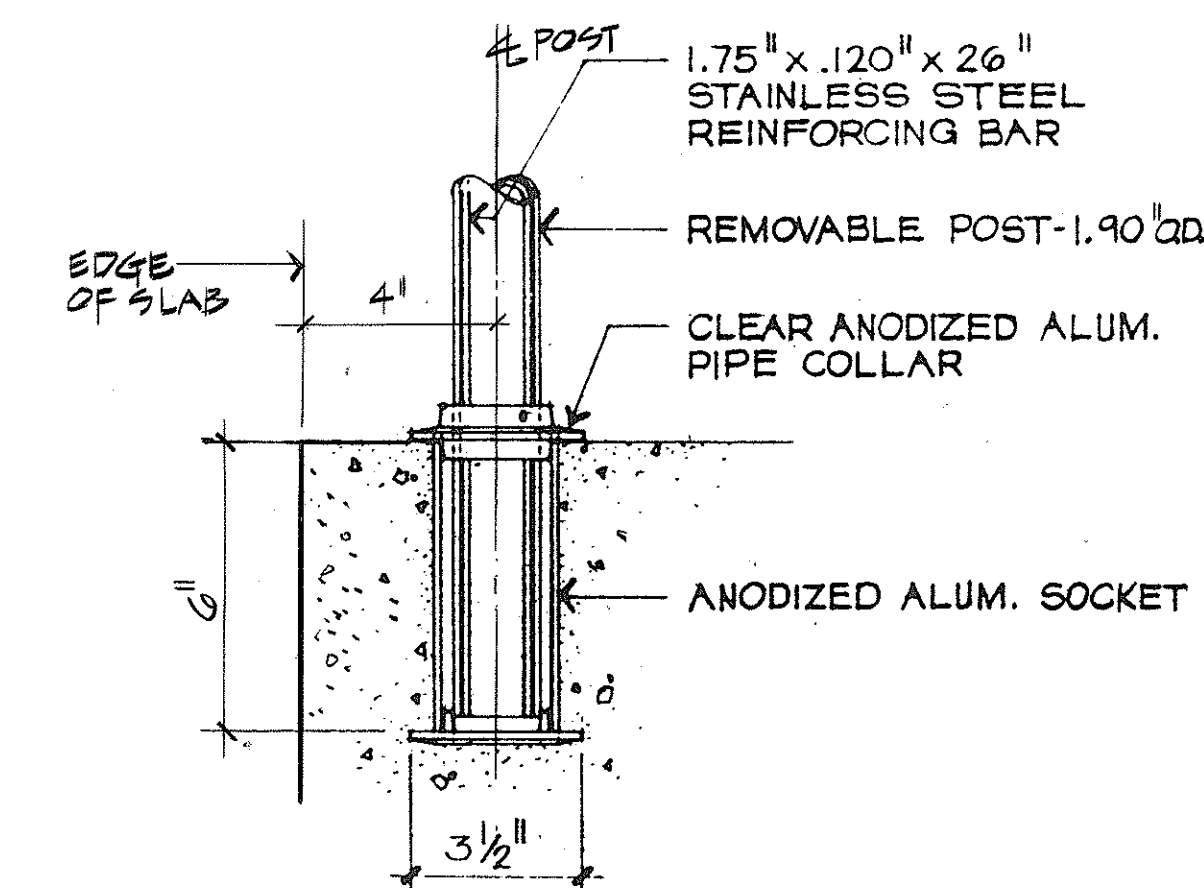
SECTION-TYP. CONC. STAIR

SCALE: 3"=1'-0"



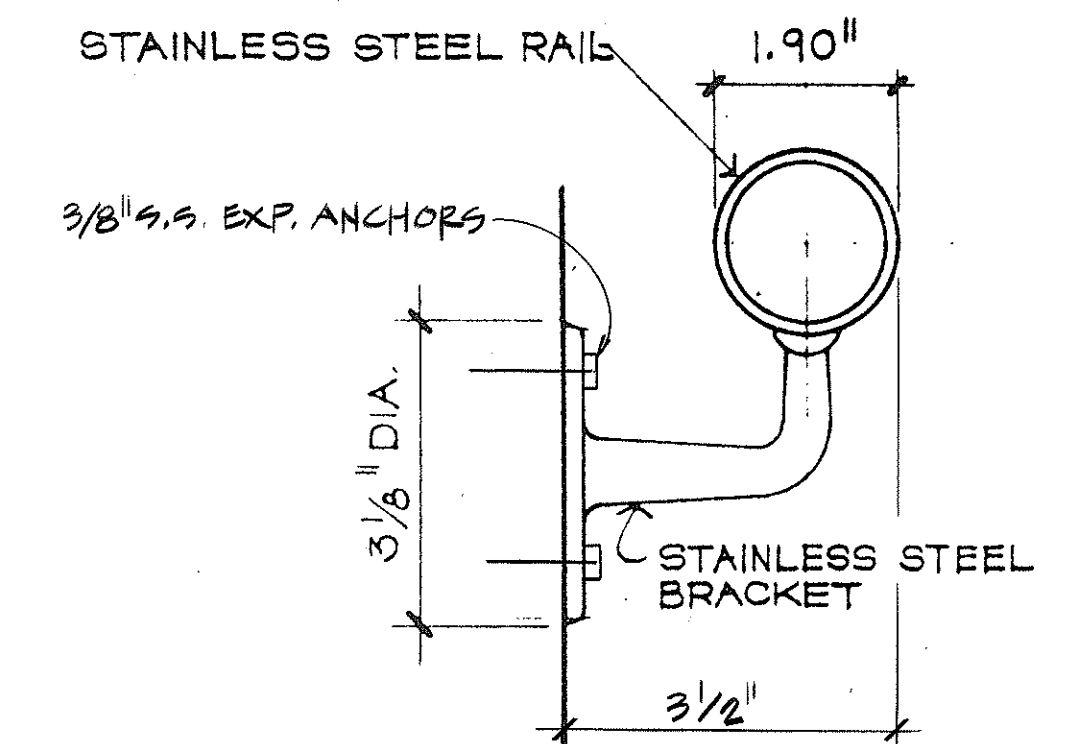
SECTION: TYPICAL POST

SCALE: 3"=1'-0"



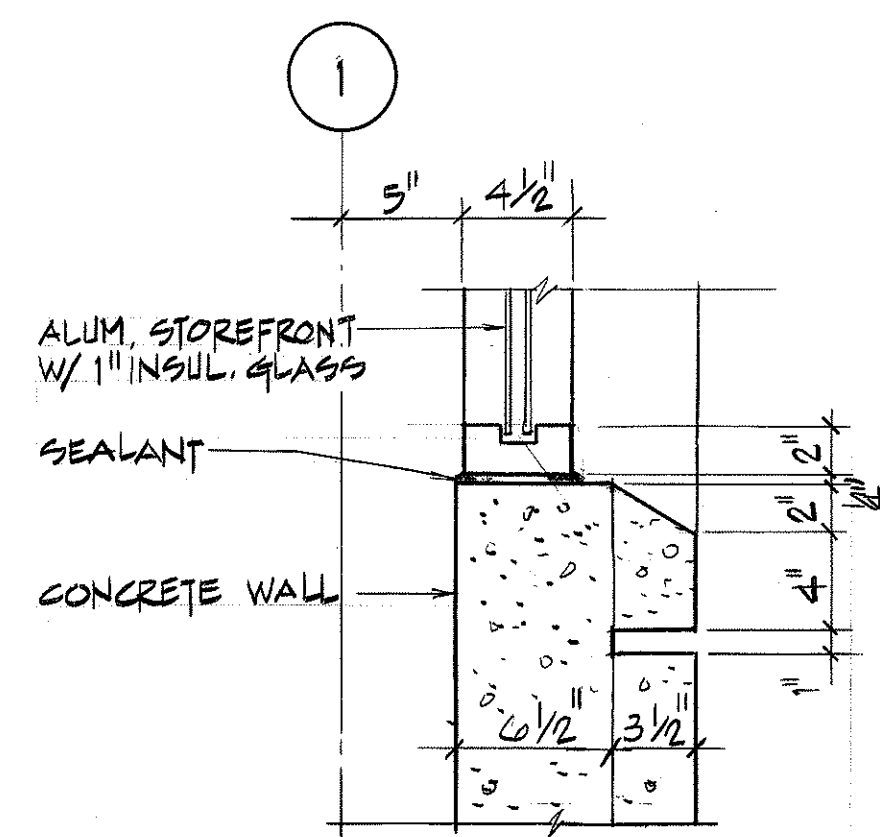
SECTION-REMOVABLE RAIL SOCKET AND COLLAR

SCALE: 3"=1'-0"



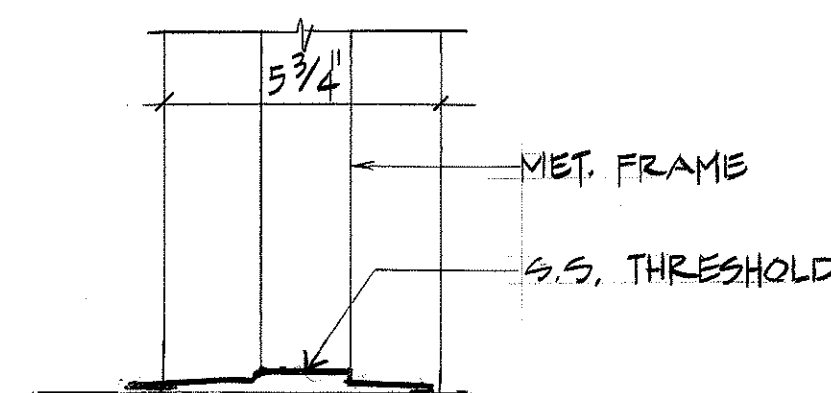
TYPICAL RAIL BRACKET

SCALE: 6"=1'-0"



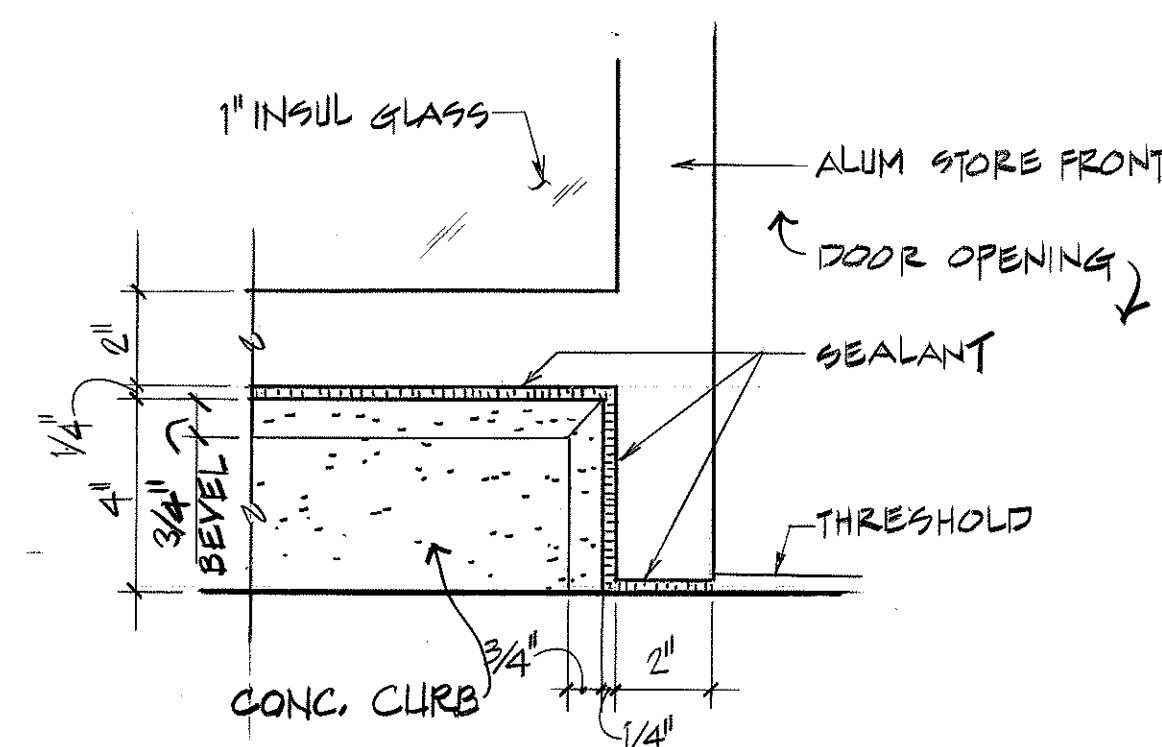
STOREFRONT WINDOW SILL

SCALE: $1\frac{1}{2}'' = 1' - 0''$



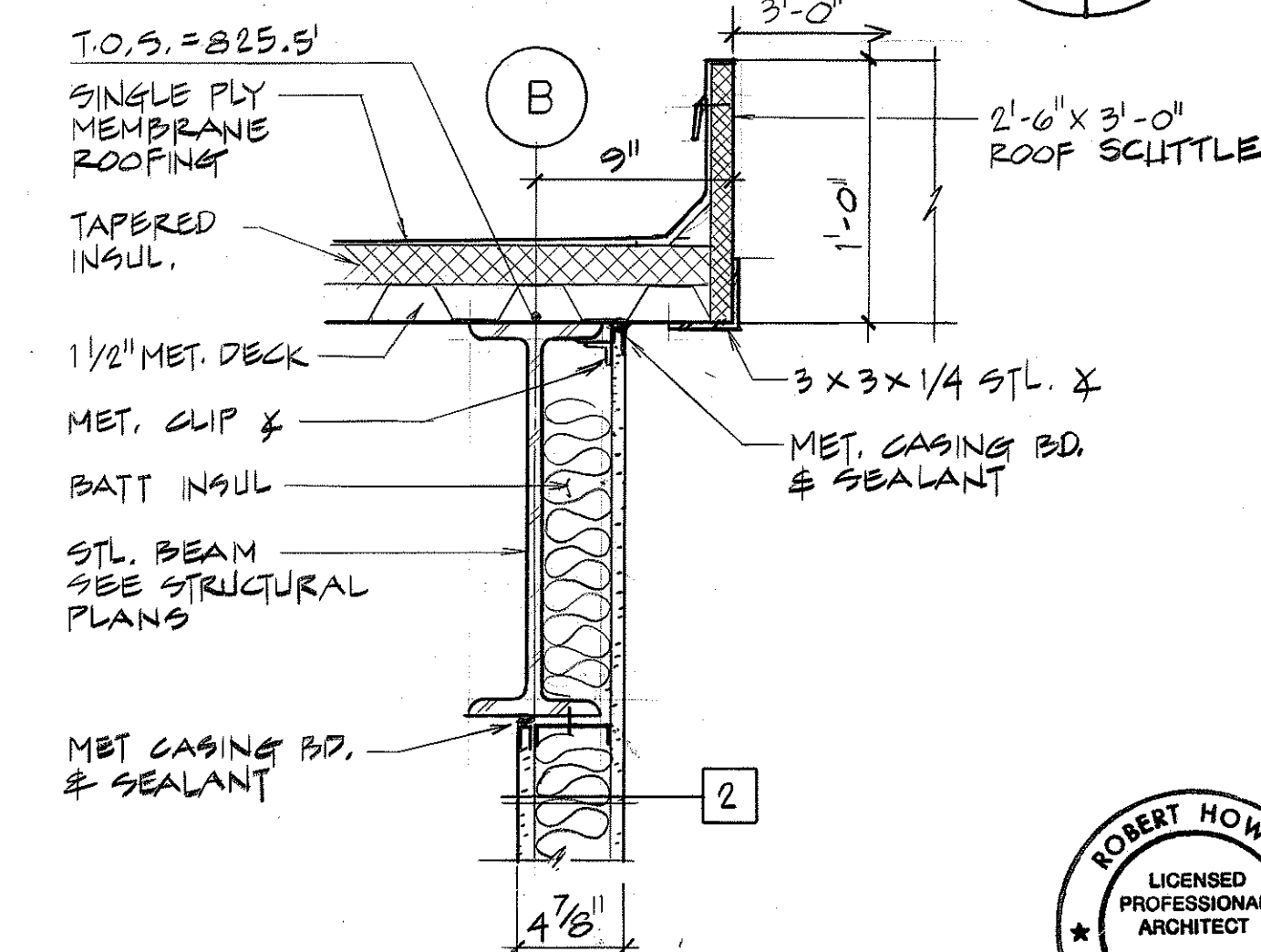
TYP. THRESHOLD DETAIL

SCALE: $3'' = 1' - 0''$



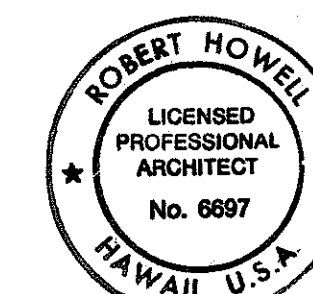
CONC. CURB & STOREFRONT PROFILE 13

SCALE : 3" = 1' - 0"



PARTITION CLOSURE
ROOF SCUTTLE DETAIL

SCALE: $1 \frac{1}{2}'' = 1' - 0''$



THIS WORK WAS PREPARED BY ME

Robert B. Howell

DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ARCHITECTURAL
STANDARD DETAILS - 2

HAIKU O & M FACILITY
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1 (66)

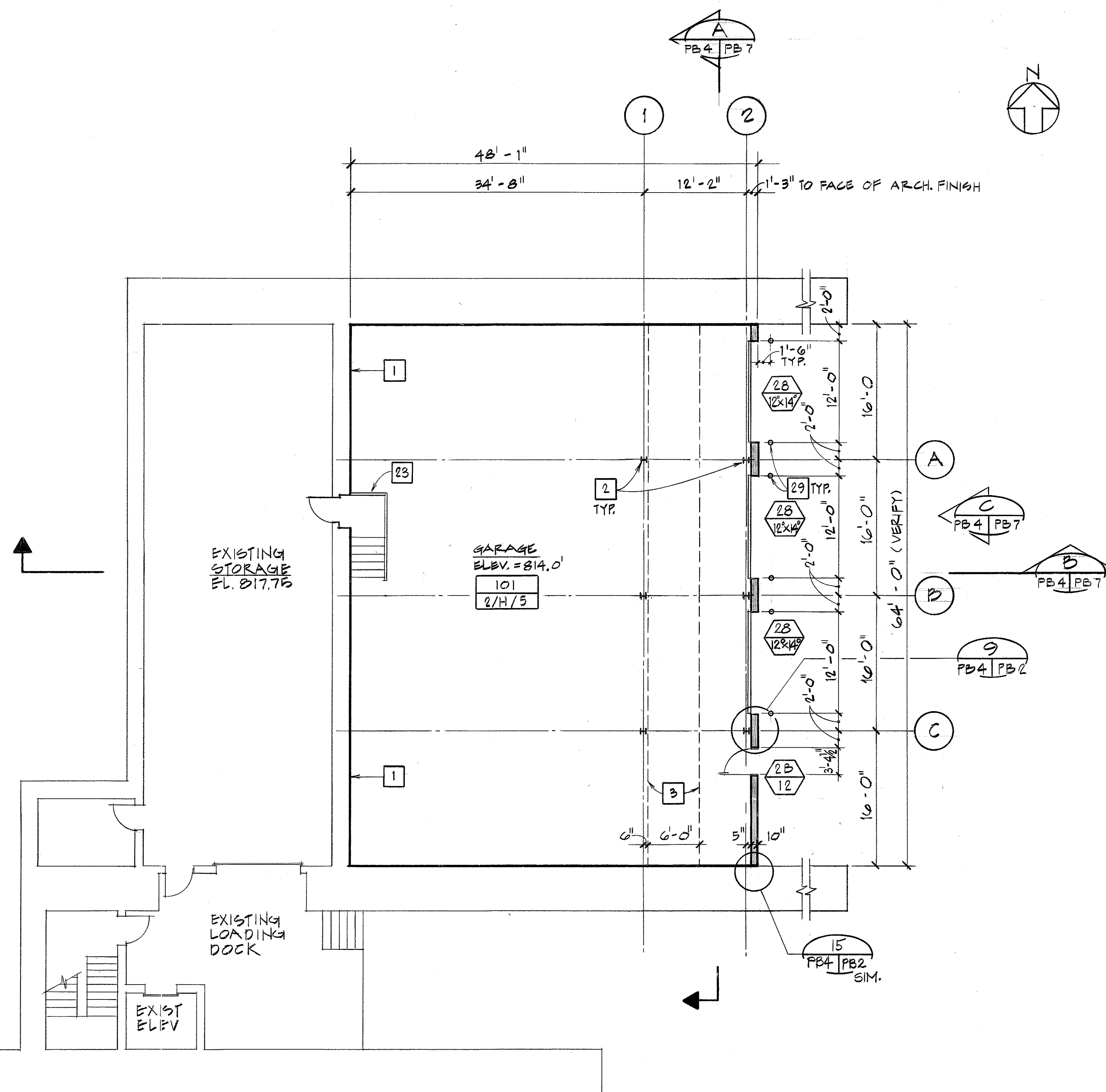
SCALE: AS NOTED DATE: JUN 1992

SHEET NO. PB3 OF 28 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I - H3 - I(66)	1992	414	440

KEY NOTES

- 1 AREA SEPARATION WALL.
- 2 STEEL COLUMN, SEE STRUCTURAL PLANS.
- 3 EXISTING BRIDGE GIRDER ABOVE.
- 23 EXISTING STAIRS AND RAILING
- 29 6" Ø STL. BOLLARD, SEE DETAIL 7, SHEET NO. A6.



FOR DETAIL AS-BUILT INFORMATION
REFER TO CONSTRUCTION SUBMITTALS

7/21/92	ADDENDUM I - DELETED KEYED NOTE 28
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ARCHITECTURAL
LEVEL A PLAN - 1B

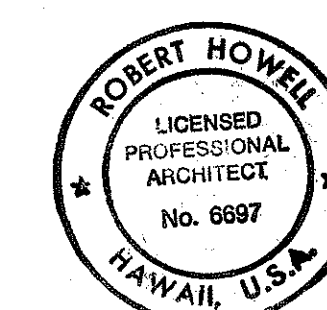
HAIKU O & M FACILITY
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1 (66)

SCALE : 1/8" = 1' - 0" DATE: JUN 1992

SHEET NO. PB4 OF 28 SHEETS

ADD. 414

ORIGINAL PLAN	SURVEY PLOTTED BY <u>D. CHEN</u>	DATE <u>6-9-92</u>
NOTE BOOK	DRAWN BY <u>D. CHEN</u>	
	TRACED BY <u>C. FREY</u>	
	DESIGNED BY <u>C. FREY</u>	
	QUANTITIES BY <u>C. FREY</u>	
No. <u>1</u>	CHECKED BY <u>B. HOWELL</u>	<u>6-9-92</u>



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OR UNDER MY SUPERVISION

Robert B. Howell



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	415	440

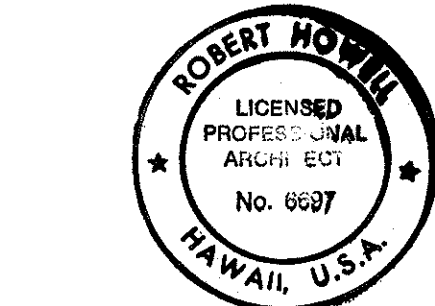
KEY NOTES

- 3 EXISTING BRIDGE GIRDER
- 4 SINGLE PLY MEMBRANE ROOFING ON 1" RIGID INSULATION ON 1/2" MET. DECK.
- 5 ROOF DRAIN
- 6 OVERFLOW DRAIN
- 7 CRICKET
- 8 STEEL FRAMING, SEE STRUCTURAL PLANS
- 9 PARAPET
- 12 EXHAUST FAN OPENING 12"x12"
- 13 ROOF SCUTTLE-2'-6"x 3'-0" SEE DETAIL 14/PB 3. (SIM.)
- 14 EXHAUST AIR DUCT OPENING (DUCT SIZE 24"x12")

NOTE:

- 1. COORDINATE ROOF OPENINGS SHOWN WITH STRUCTURAL AND MECHANICAL PLANS.

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	6-92
DRAWN BY	D. CHEN
DESIGNED BY	C. FREY
QUANTITIES BY	6-92
CHECKED BY	S. HONOLULU
6-92	

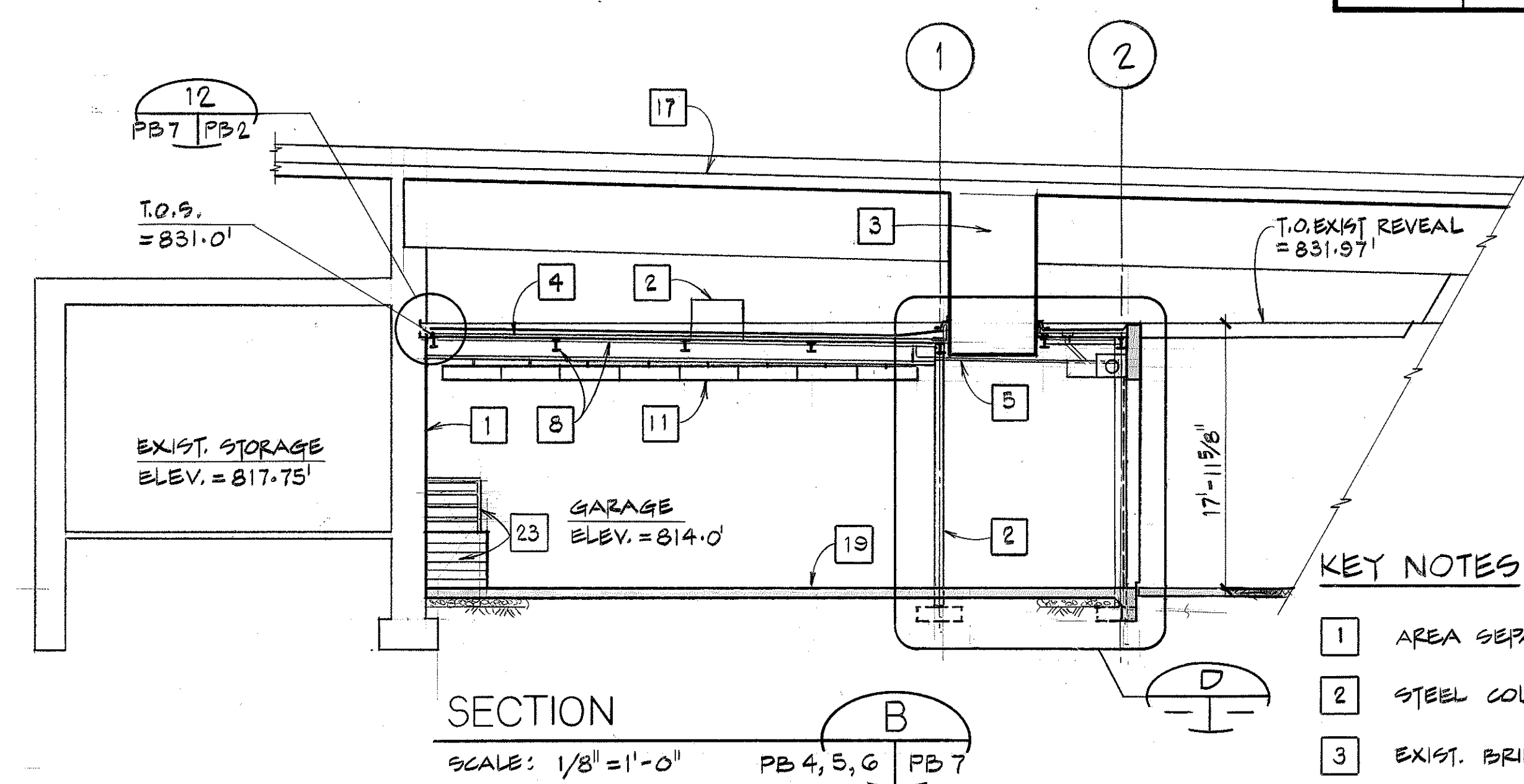
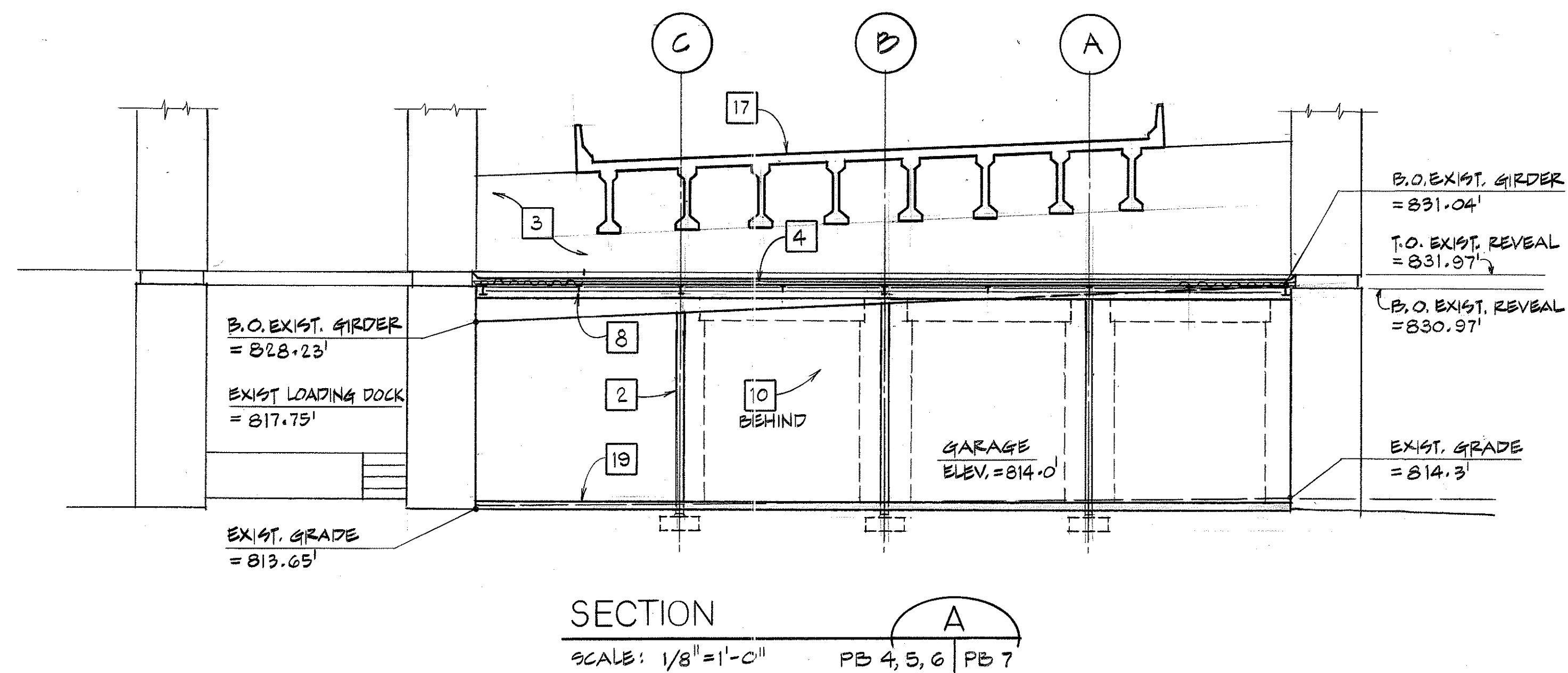


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

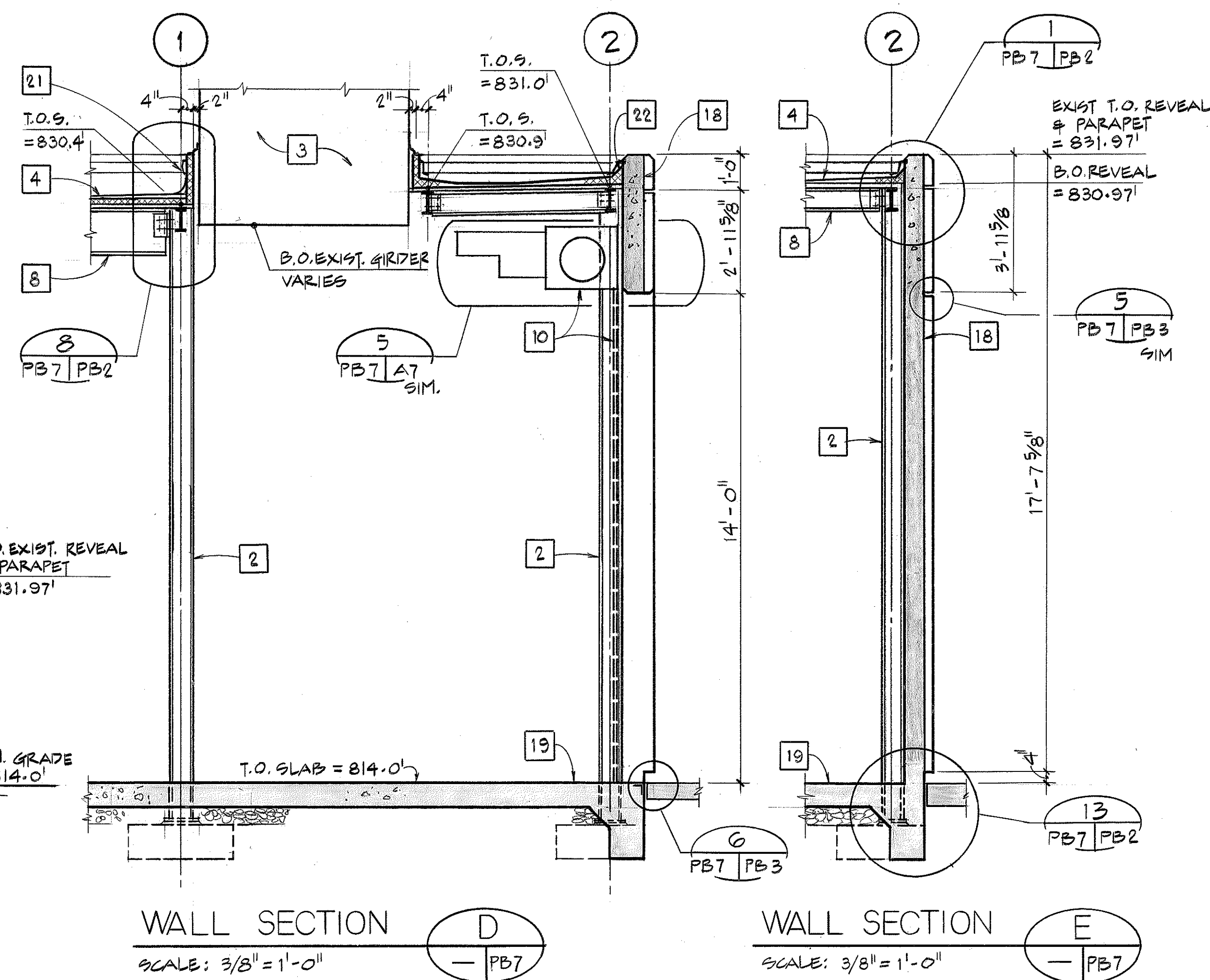
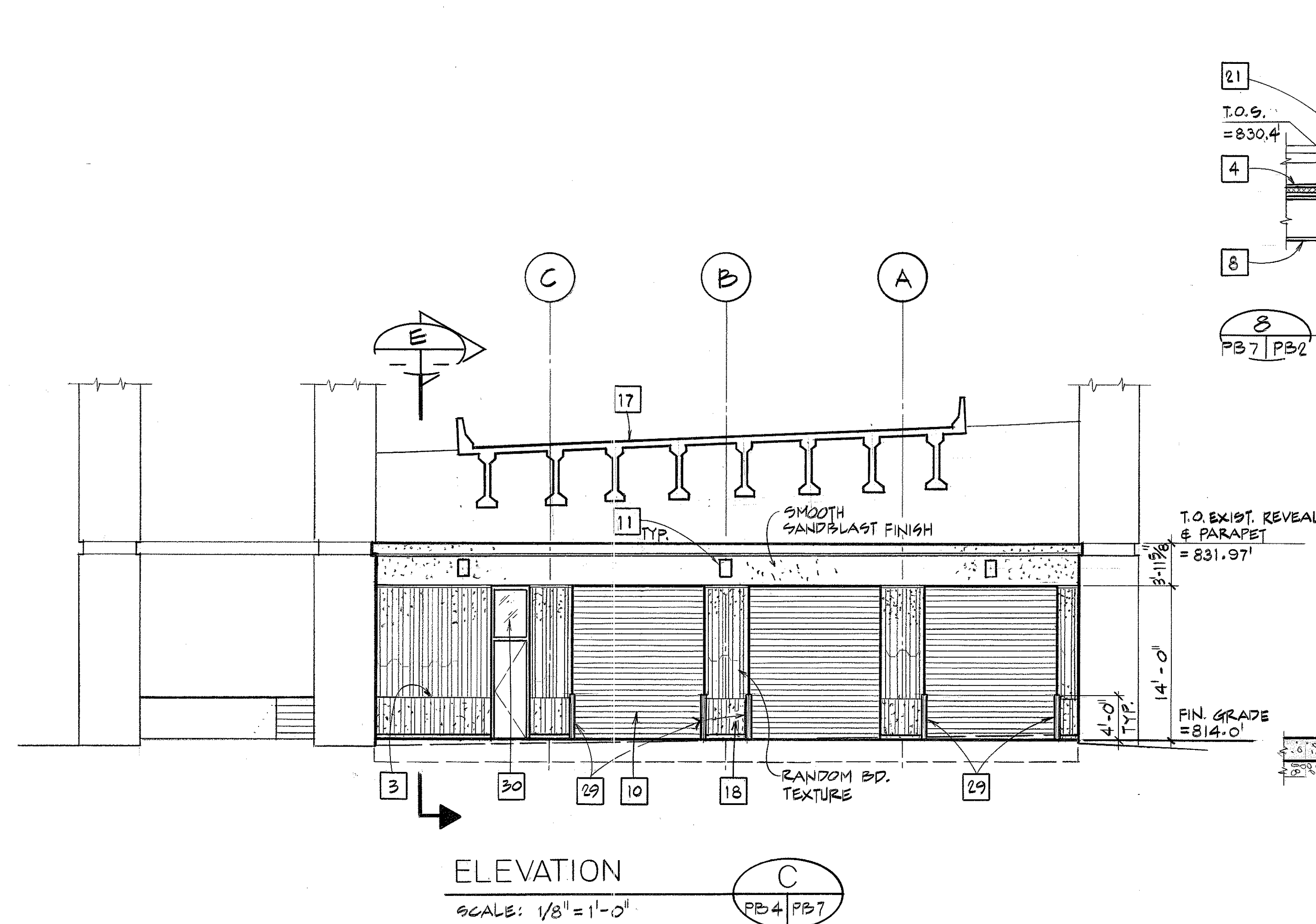
Robert B. Howell

1/22/92	APPENDUM 1 - REVISED ROOF OPENINGS FOR EXHAUST FANS AND DUCTS
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ARCHITECTURAL ROOF PLAN - 1B HAIKU O & M FACILITY INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (66)	
SCALE: 1/8" = 1'-0"	DATE: JUN 1992
SHEET NO. PB5 OF 28 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I - H3 - I(66)	1992	417	440



- ## KEY NOTES
- 1 AREA SEPARATION WALL
 - 2 STEEL COLUMN; SEE STRUCTURAL PLANS
 - 3 EXIST. BRIDGE GIRDER
 - 4 SINGLE PLY MEMBRANE ROOFING ON 1" RIGID INSULATION ON 1/2" METAL DECK
 - 5 ROOF DRAIN
 - 8 STEEL FRAMING; SEE STRUCTURAL PLANS
 - 10 OVERHEAD ROLLING DOOR ASSEMBLY & MOTOR
 - 11 LIGHT FIXTURE; SEE ELECT. PLANS
 - 12 EXHAUST FAN
 - 17 EXIST. ROADWAY
 - 18 CONCRETE WALL
 - 19 CONCRETE SLAB
 - 21 ROOF CURB
 - 22 S.S. FLASHING
 - 23 EXISTING STAIRS AND RAILING
 - 29 6" ϕ STL. BOLLARD, SEE DETAIL 7, SHEET NO. AG
 - 30 1/4" GLASS TRANSOM
 - 31 HORIZONTAL POUR JOINT, ALIGN POUR JOINT W/ EXIST. POUR JOINTS @ ADJACENT WALLS.



DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ARCHITECTURAL
SECTIONS & ELEVATIONS - 1B
HAIKU O & M FACILITY
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1 (66)

SCALE: . . . AS NOTED. DATE: JUN 1992

SHEET NO. PB7 OF 28 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY <u>P. CHEN</u>	<u>6-92</u>
	TRACED BY	
NOTE BOOK	DESIGNED BY <u>C. FREY</u>	<u>6-92</u>
	QUANTITIES BY	
NO.	CHECKED BY <u>R. HONELL</u>	<u>6-92</u>



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OR UNDER MY SUPERVISION

Robert B. Howell

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	419	440

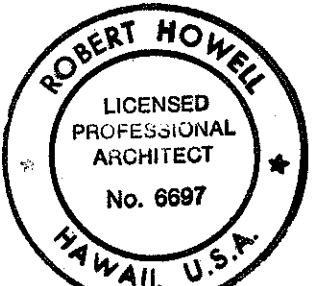
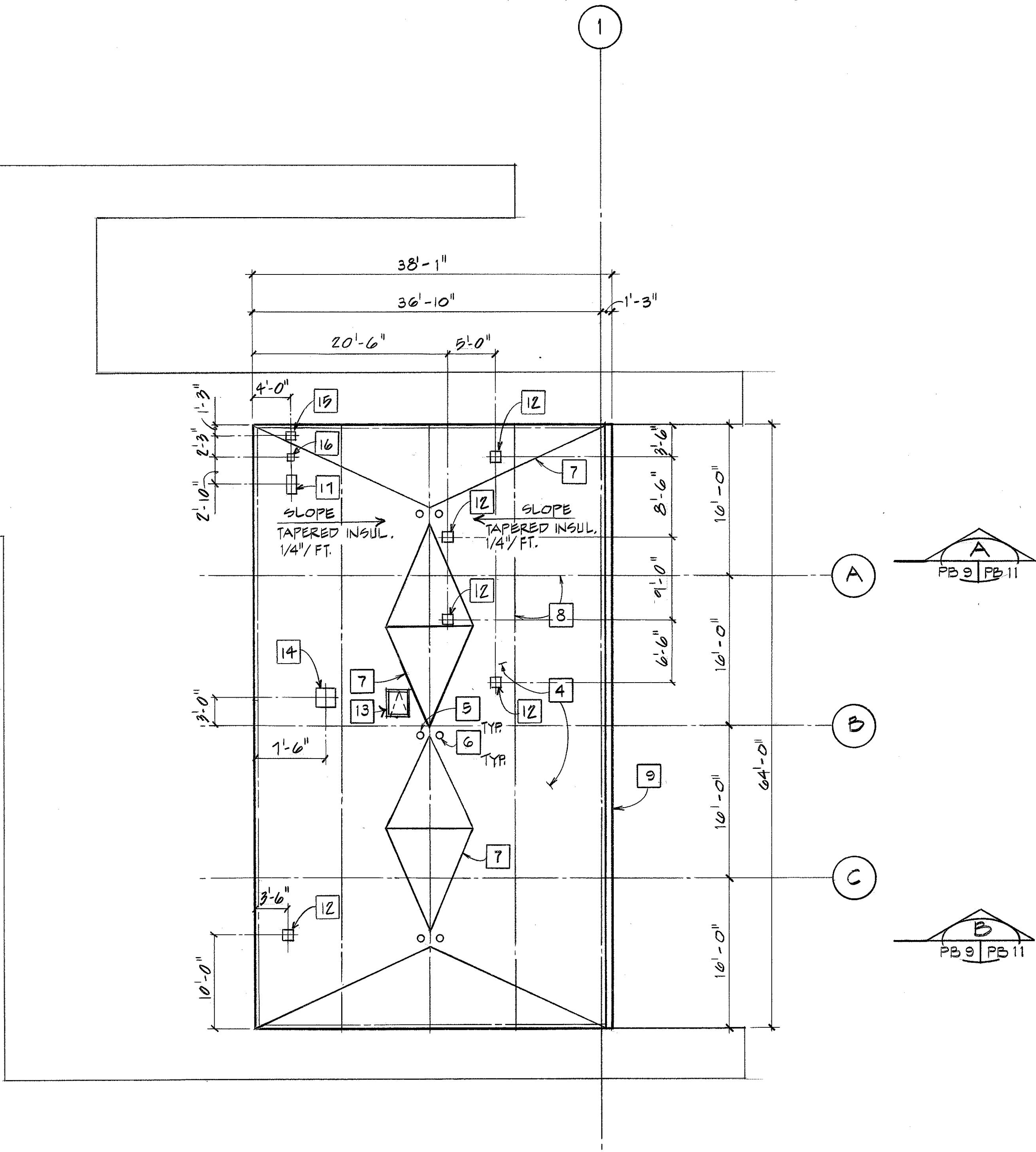
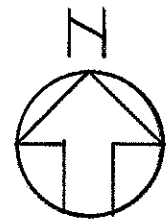
KEY NOTES

- 4 SINGLE PLY MEMBRANE ROOFING ON TAPERED INSULATION ON 1/2" METAL DECK.
- 5 ROOF DRAIN
- 6 OVERFLOW DRAIN
- 7 CRICKET
- 8 STEEL FRAMING; SEE STRUCTURAL PLANS.
- 9 PARAPET
- 12 EXHAUST FAN OPENING 12"x12"
- 13 ROOF SCUTTLE-2'-6" X 3'-0" SEE DET. 14/PB3
- 14 OUTSIDE AIR DUCT OPENING (DUCT SIZE 24"x24")
- 15 EXHAUST AIR DUCT OPENING (DUCT SIZE 10"x10")
- 16 EXHAUST AIR DUCT OPENING (DUCT SIZE 6"x6")
- 11 EXHAUST AIR DUCT OPENING (DUCT SIZE 24"x12")

NOTE:

1. COORDINATE ROOF OPENINGS SHOWN WITH STRUCTURAL AND MECHANICAL PLANS.

ORIGINAL PLAN	DATE
NO.	6-92
DESIGNED BY	C. FREY
CHECKED BY	R. HOWELL
DRAWN BY	D. CHEN
DATE	6-92



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Robert B. Howell

DATE	REVISION
7/22/92	ADDENDUM 1 - ADDED ROOF OPN'GS FOR EXHAUST FANS AND DUCTS
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ARCHITECTURAL ROOF PLAN - 0B HAIKU O & M FACILITY INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (66) SCALE: 1/8" = 1'-0" DATE: JUN 1992 SHEET NO. PB9 OF 28 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	420	440

KEY NOTES

- 8 STEEL FRAMING; SEE STRUCTURAL PLANS.
- 10 OVERHEAD ROLLING DOOR ASSEMBLY & MOTOR
- 12 EXHAUST FAN OPENING 12" x 12"
- 13 ROOF SCUTTLE 2'-6" x 3'-0"
- 14 SUSPENDED ACOUST. TILE CEILING 2' x 2' GRID
- 15 SUSPENDED GYP. BD. CEILING
- 16 GYP. BD. SOFFIT
- 17 OUTSIDE AIR DUCT OPENING (DUCT SIZE 24" x 24")
- 18 EXHAUST AIR DUCT OPENING (DUCT SIZE 10" x 10")
- 19 EXHAUST AIR DUCT OPENING (DUCT SIZE 6" x 6")
- 20 EXHAUST AIR DUCT OPENING (DUCT SIZE 24" x 12")

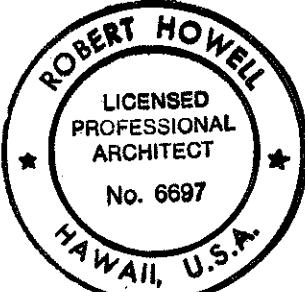
LEGEND

- 2' x 2' RECESSED FLUORESCENT LIGHT FIXTURE
- 2' x 2' SUPPLY GRILLE
- 2' x 2' RETURN AIR GRILLE
- FLUORESCENT INDUSTRIAL LIGHT FIXTURE
- DOWN LIGHT FIXTURE
- FLUORESCENT LIGHT STRIP
- 1' x 1' EXHAUST AIR GRILLE

GENERAL NOTES

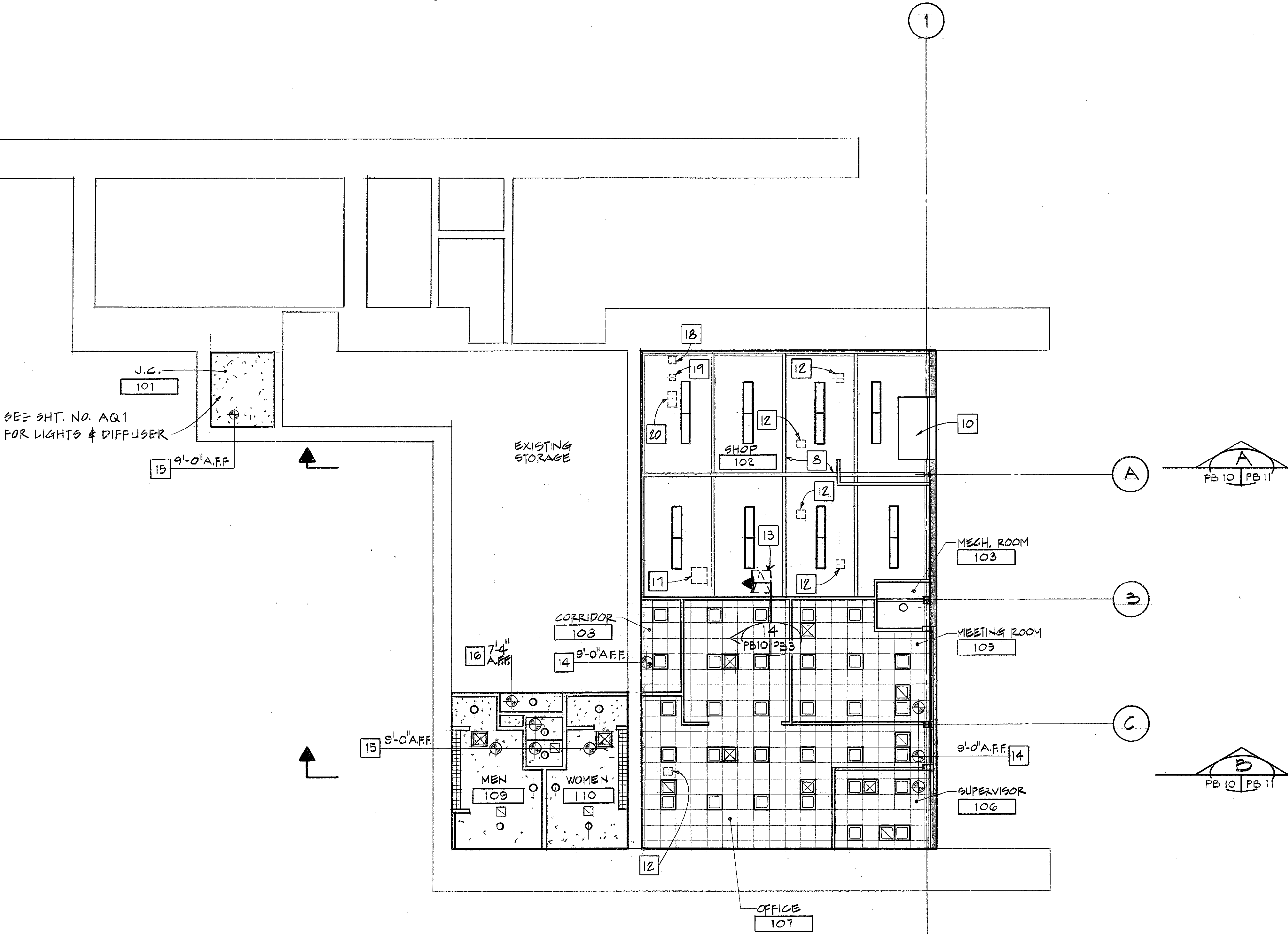
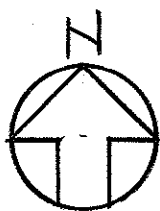
- A SEE SHEET NO. A13 FOR TYPICAL CEILING & SOFFIT DETAILS.

1/22/92	ADDENDUM 1 - ADDED ROOF OPENINGS
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ARCHITECTURAL REFLECTED CEILING PLAN - OB HAIKU O & M FACILITY INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (66)	
SCALE: 1/8" = 1'-0"	DATE: JUN 1992
SHEET NO. PB10 OF 28 SHEETS	



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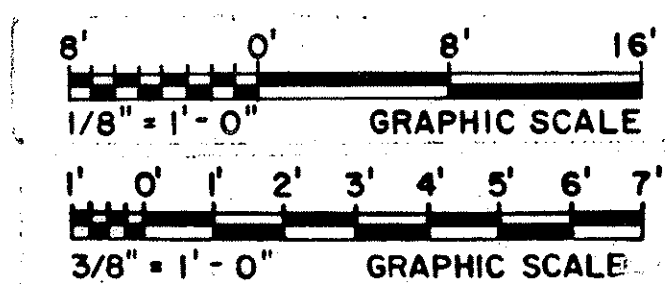
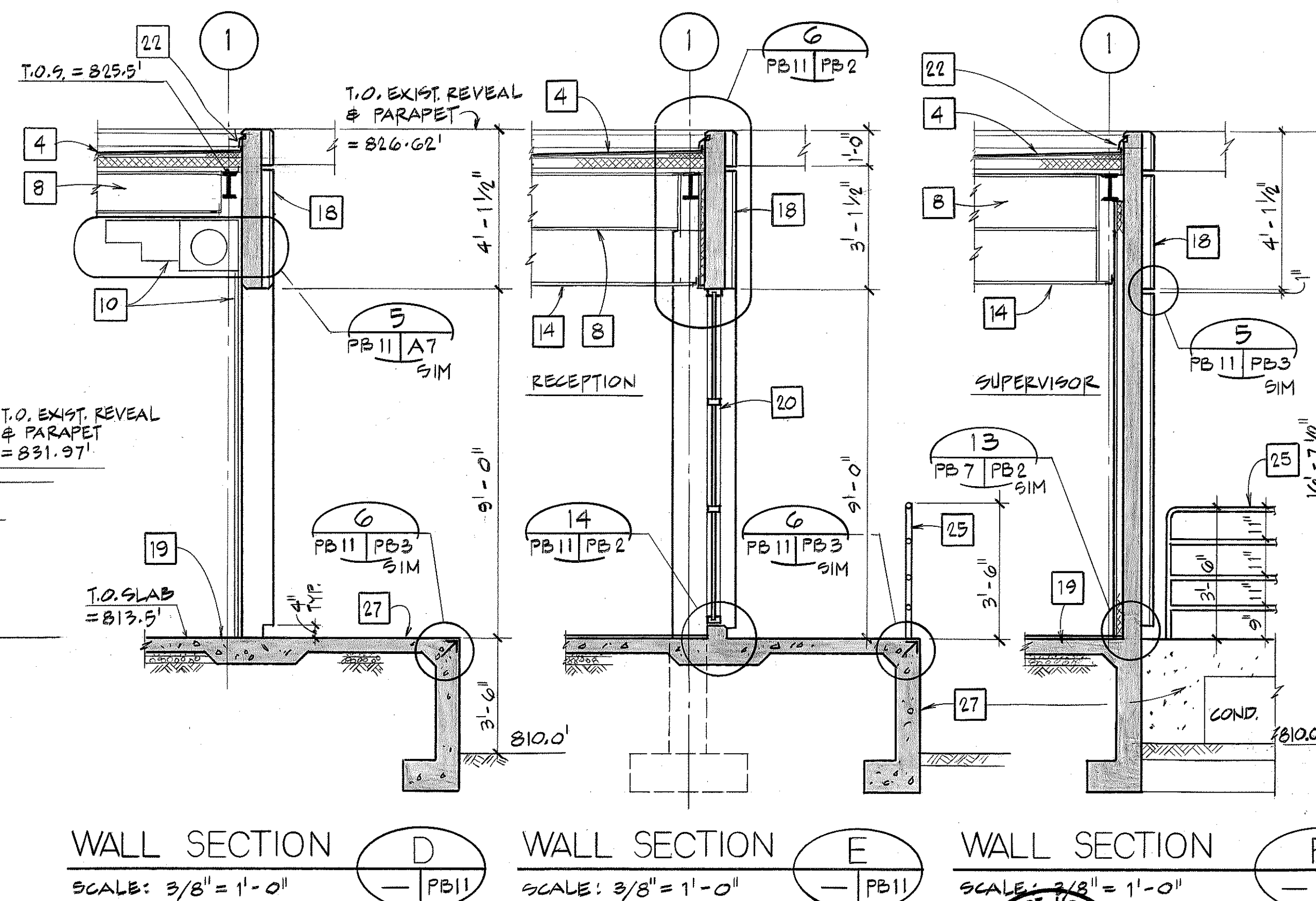
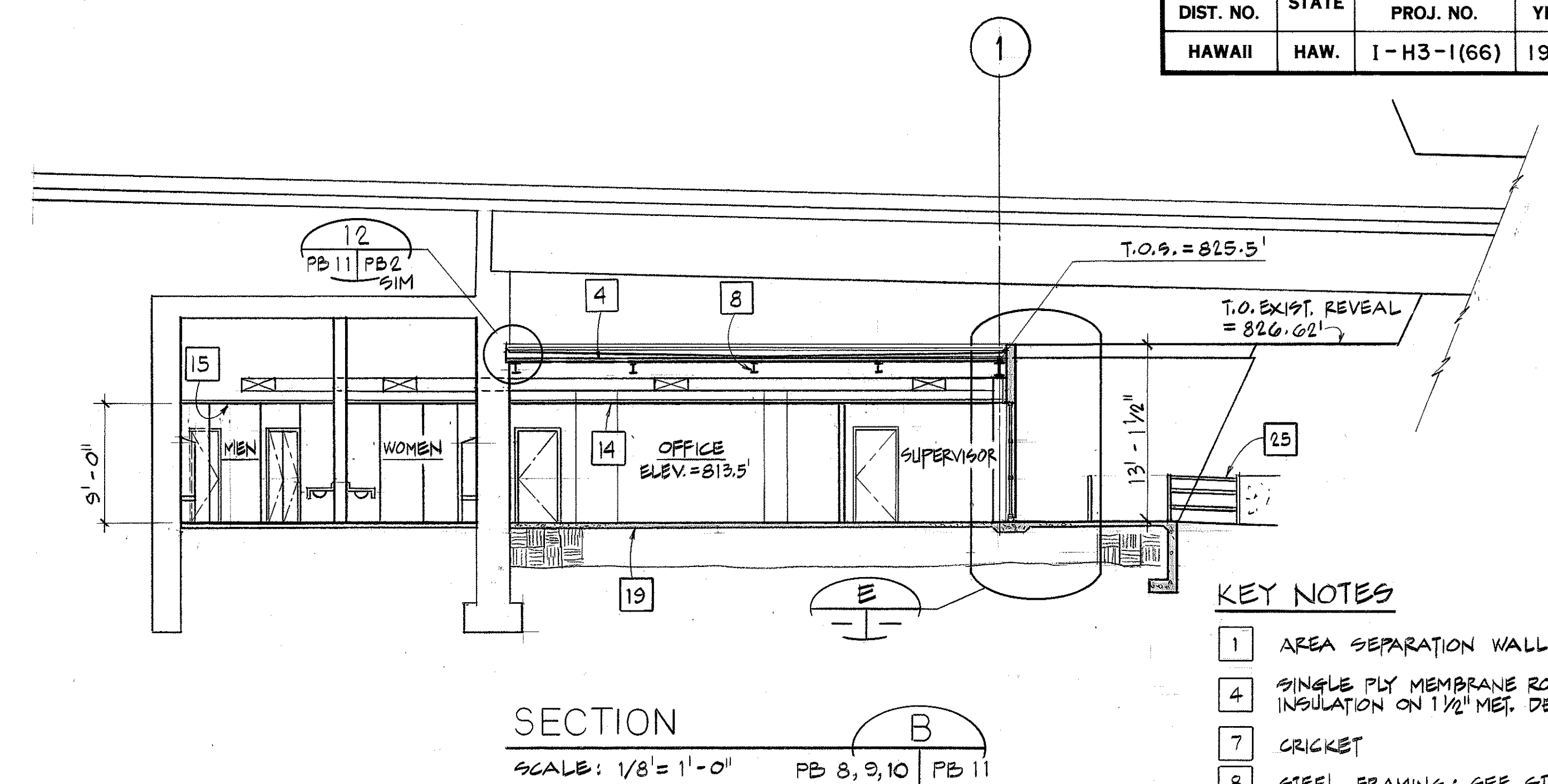
Robert B. Howell



SURVEY PLOTTED BY	DATE
DRAWN BY	6-92
CHECKED BY	6-92
DESIGNED BY	6-92
QUANTITIES BY	6-92
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

KEY NOTES

1	AREA SEPARATION WALL
4	SINGLE PLY MEMBRANE ROOFING ON TAPERED INSULATION ON 1½" MEI. DECK
7	CRICKET
8	STEEL FRAMING ; SEE STRUCTURAL PLANS
10	OVERHEAD ROLLING DOOR ASSEMBLY & MOTOR
11	LIGHT FIXTURE ; SEE ELECT. PLANS
14	SUSPENDED ACOUST. TILE CEILING 2'x2' GRID
15	SUSPENDED GYP. BD. CEILING
17	EXIST. ROADWAY
18	CONCRETE WALL
19	CONCRETE SLAB
20	ALUM. STORE FRONT W/1" INSULATED GLASS
22	S.S. FLASHING
24	LOADING DOCK BUMPERS
25	S.S. GUARDRAIL AND HANDRAIL
26	ALUM. LOUVER
27	LOADING DOCK, SMOOTH, SAND BLAST FINISH
34	TYP 1" REVEAL-ALIGN W/EXIST. REVEALS @ ADJ. WALLS.



DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ARCHITECTURAL SECTIONS & ELEVATIONS - OB

HAIKU O & M FACILITY
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1 (66)

SCALE :
A6 NOTED. DATE: JUN 1992

SHEET NO. PB11 OF 28 SHEETS

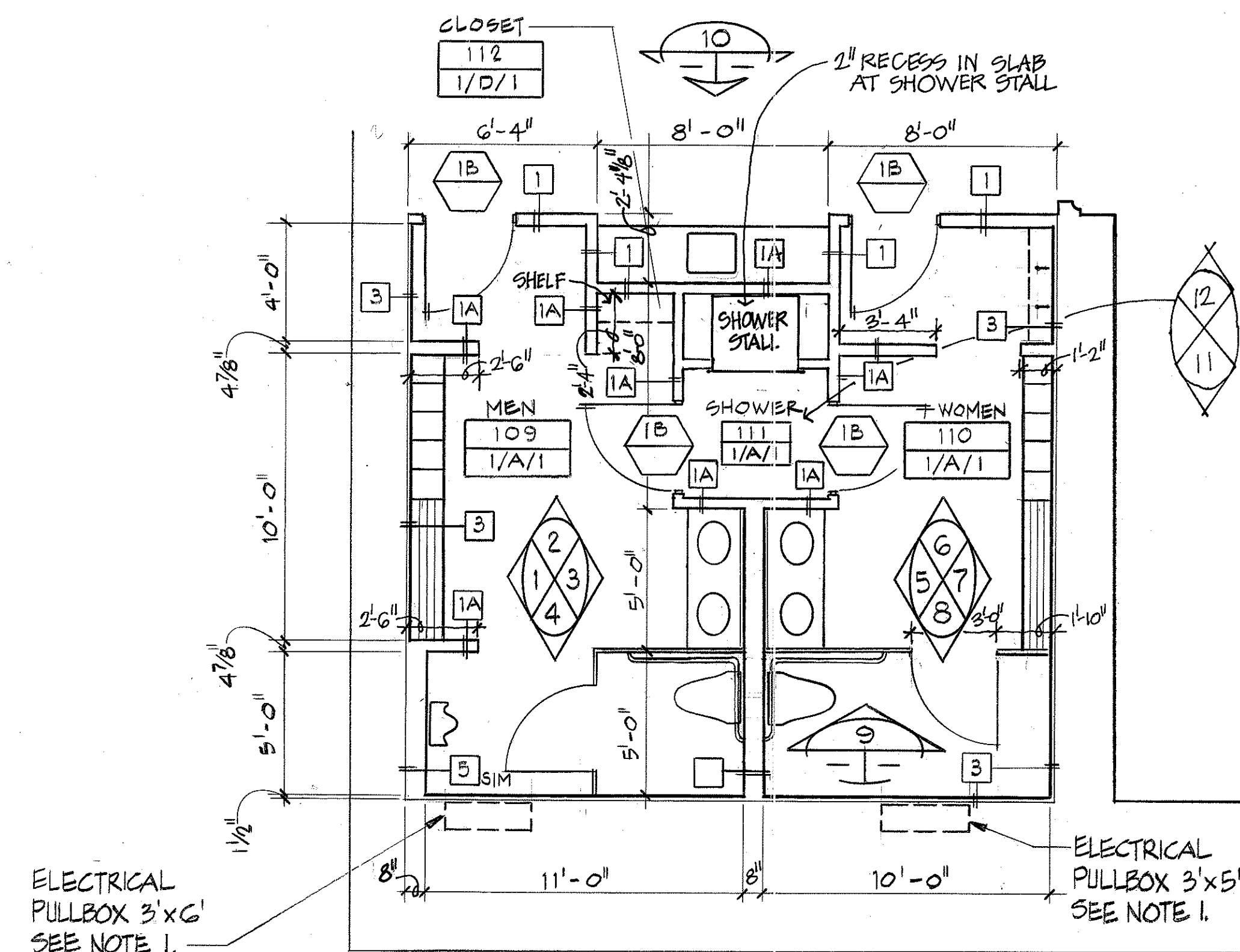
421

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY <u>P. CHEN</u>	<u>6-92</u>
	TRACED BY	*
	DESIGNED BY <u>C. FREY</u>	<u>6-92</u>
	QUANTITIES BY	*
	CHECKED BY <u>R. HOWELL</u>	<u>6-92</u>
	NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	422	440

NOTE:

1. AT EXISTING ELECTRICAL PULLBOXES, REMOVE METAL DOOR, ENLARGE OPENING AND INSTALL NEW HOLLOW METAL DOOR, FLUSH WITH TILE FINISH.

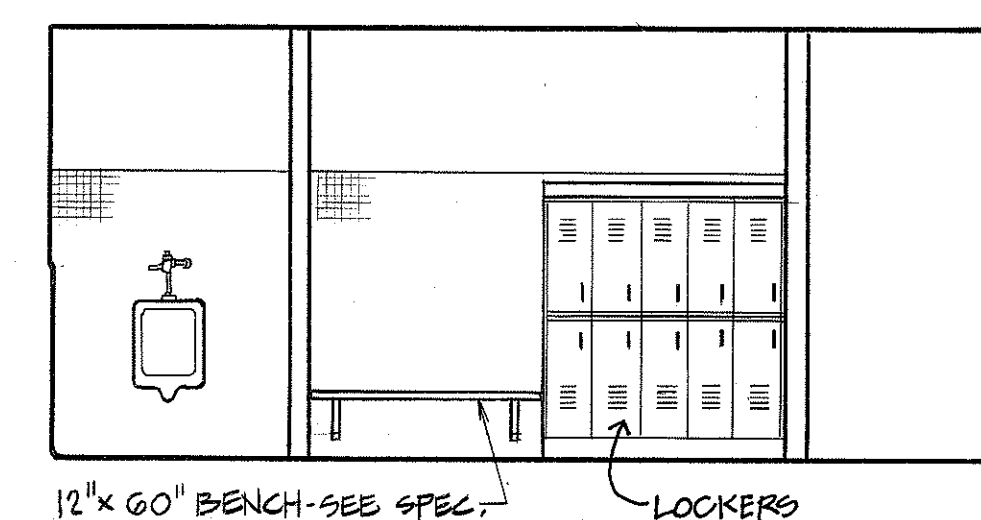
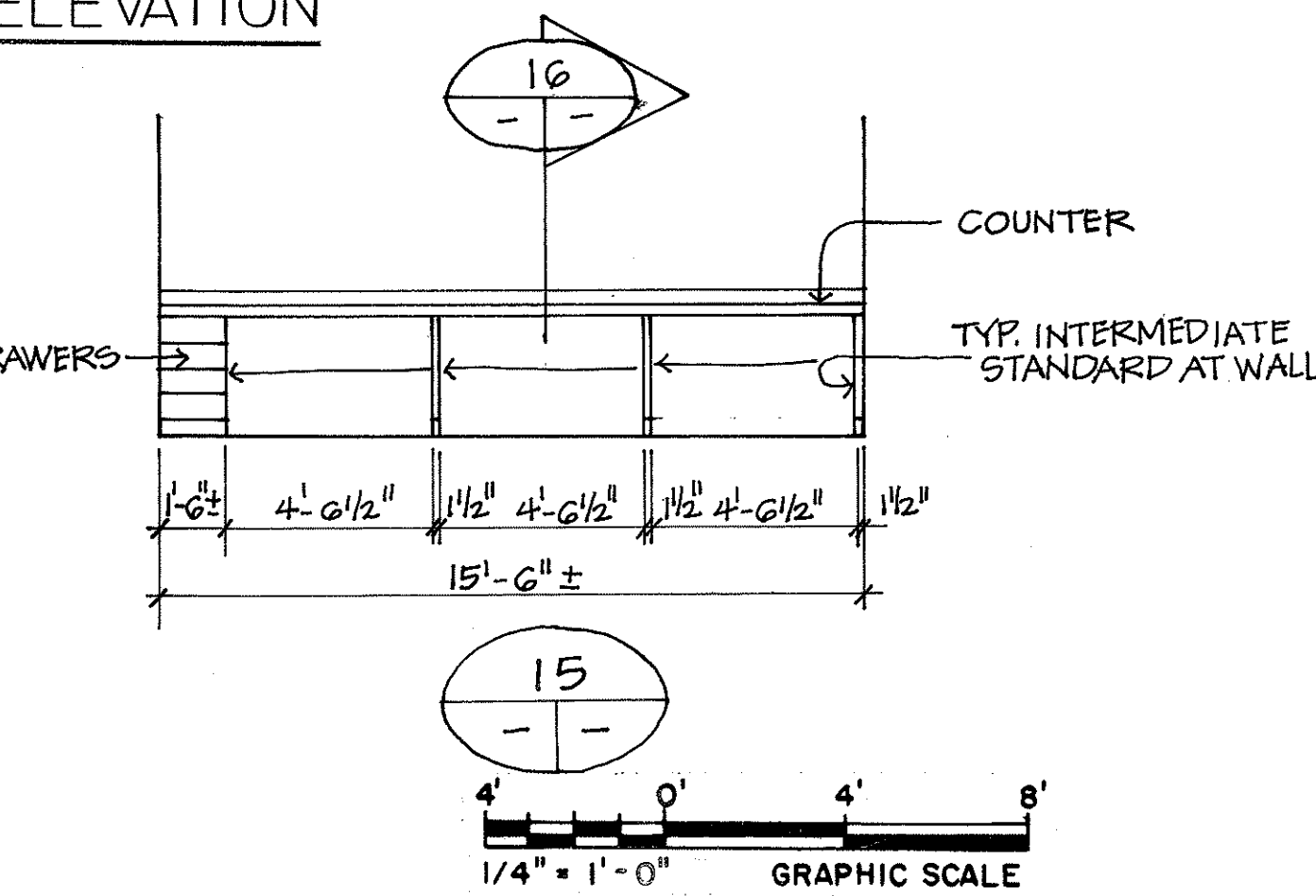
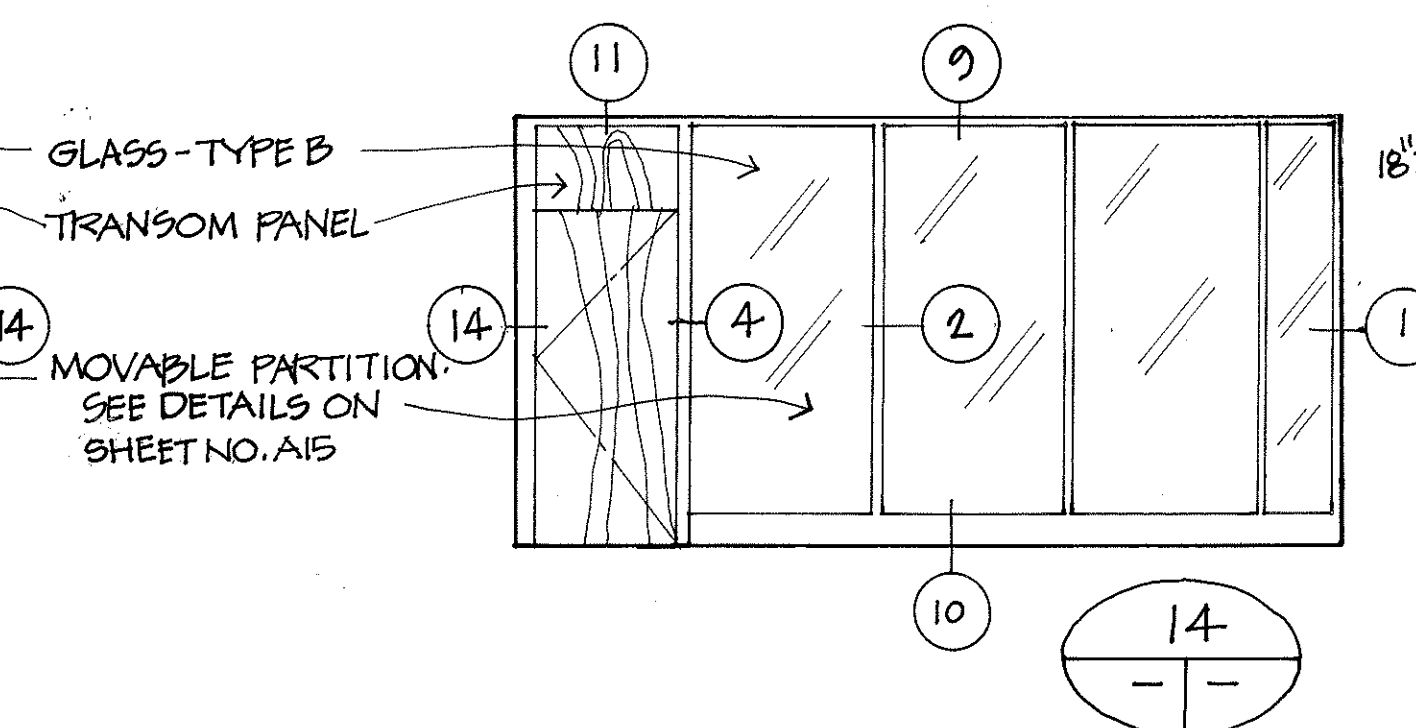
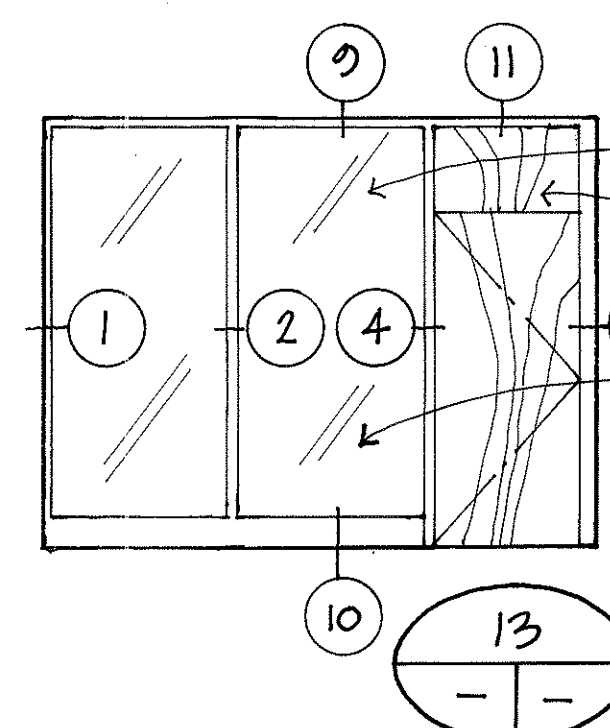
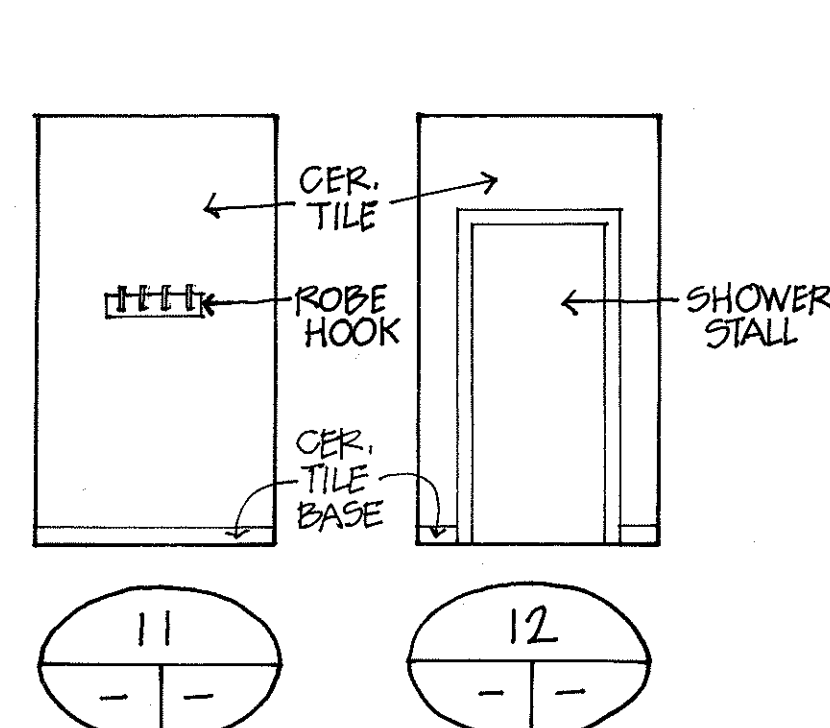


TOILET ROOM PLAN

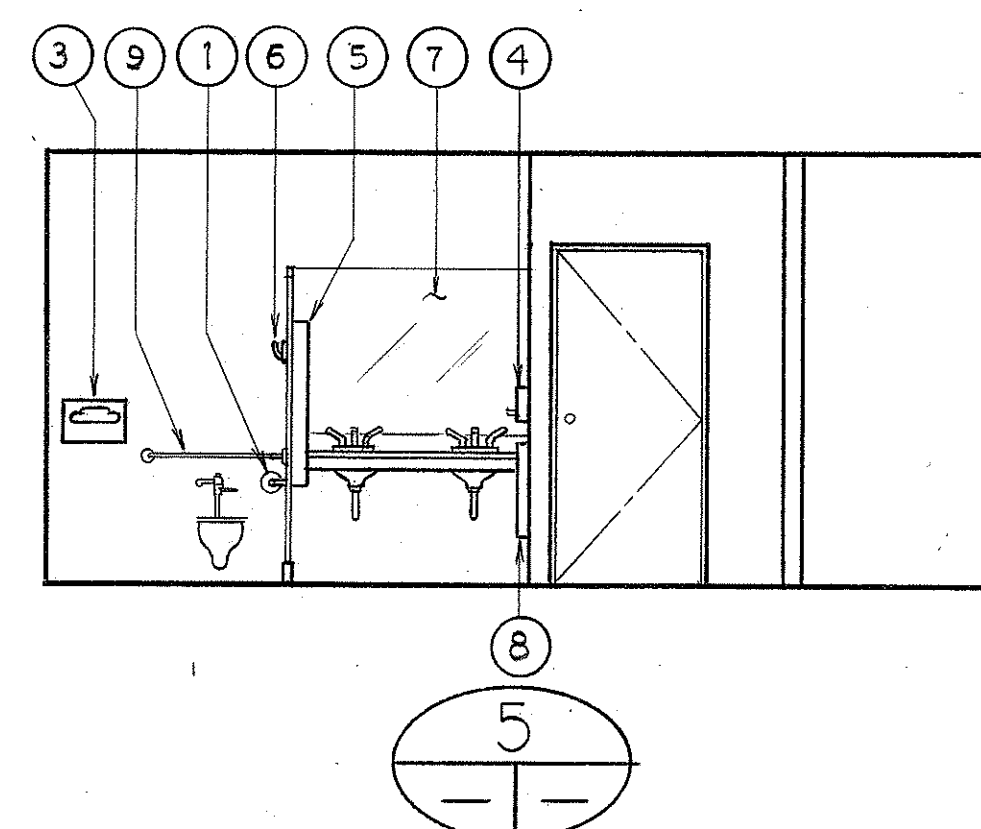
SCALE: $1/4" = 1'-0"$

LEGEND:

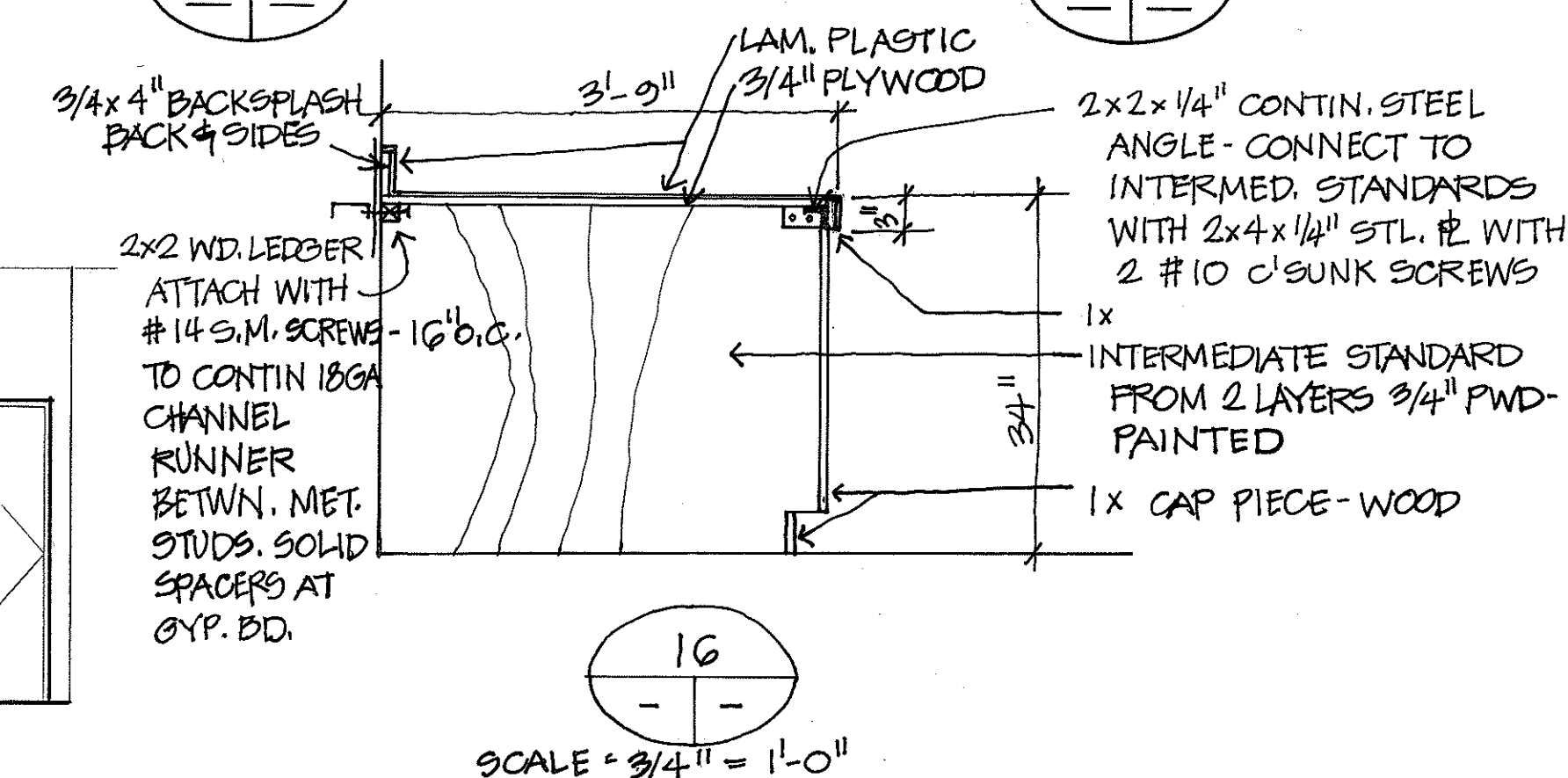
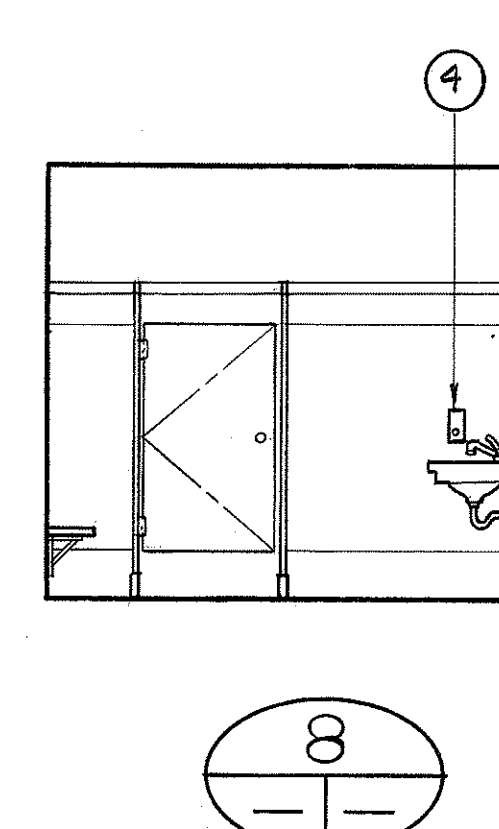
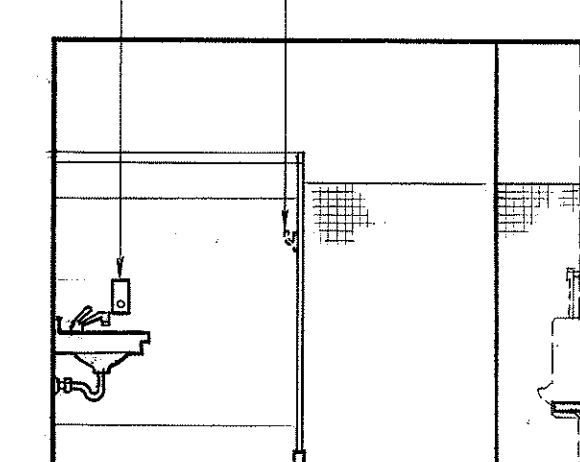
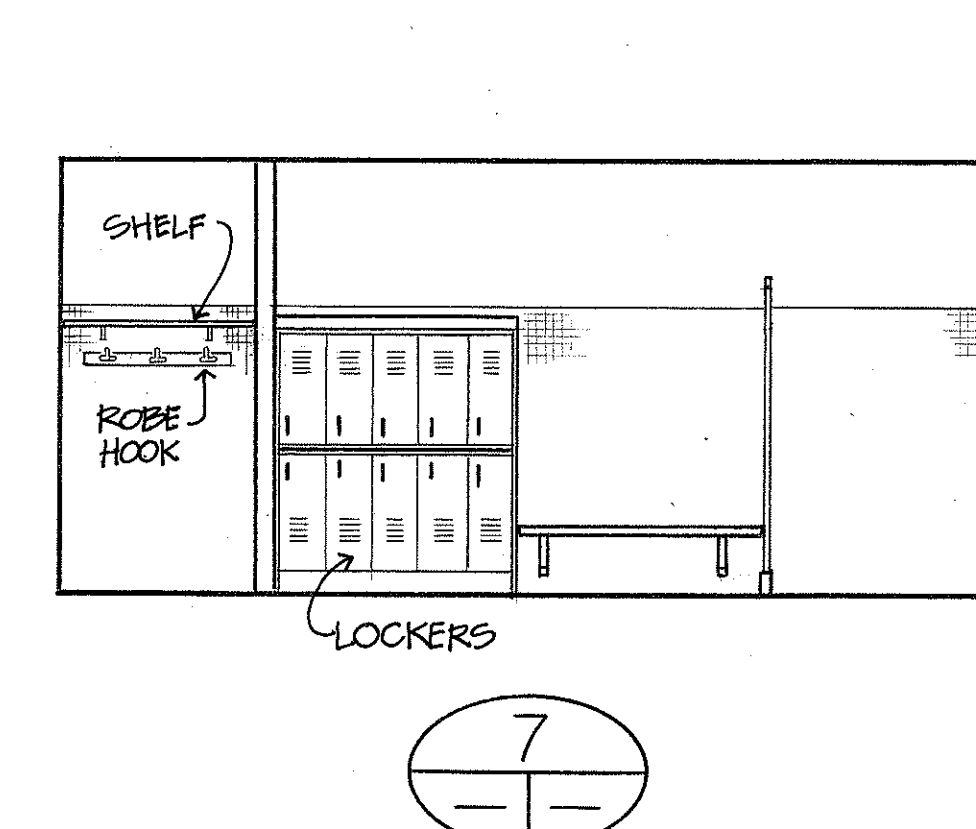
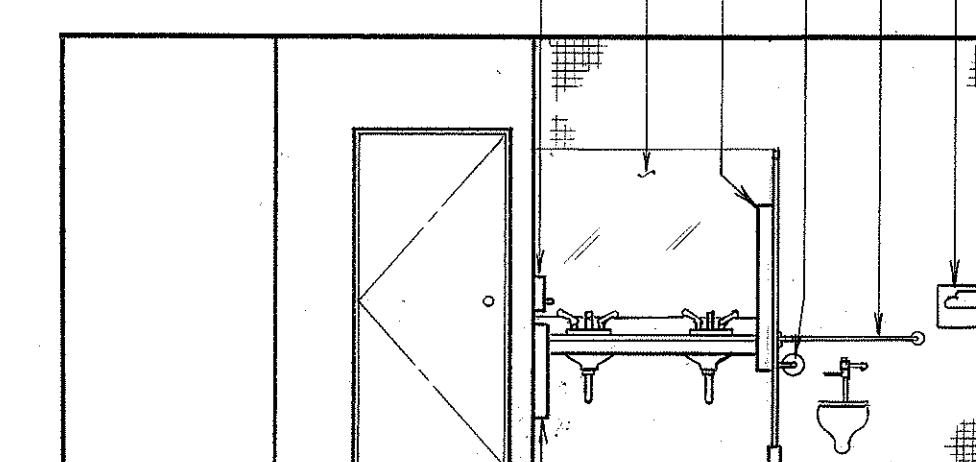
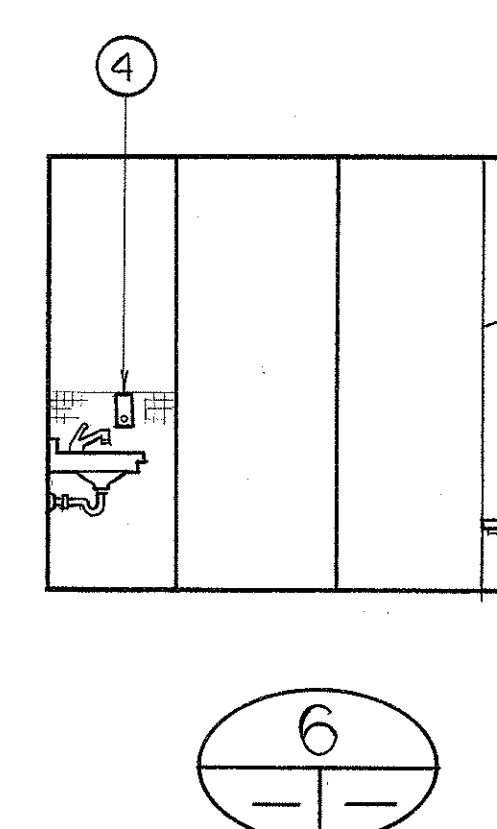
- ① TOILET TISSUE DISPEN. TOILET PTN. MOUNTED
- ② TOILET TISSUE DISPEN. WALL MOUNTED
- ③ TOILET SEAT COVER DISPENSER
- ④ SOAP DISPENSER
- ⑤ RECESS COMBO PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
- ⑥ ROBE HOOK
- ⑦ MIRROR
- ⑧ NAPKIN/TAMPON VENDOR AND DISPOSAL UNIT
- ⑨ GRAB BAR



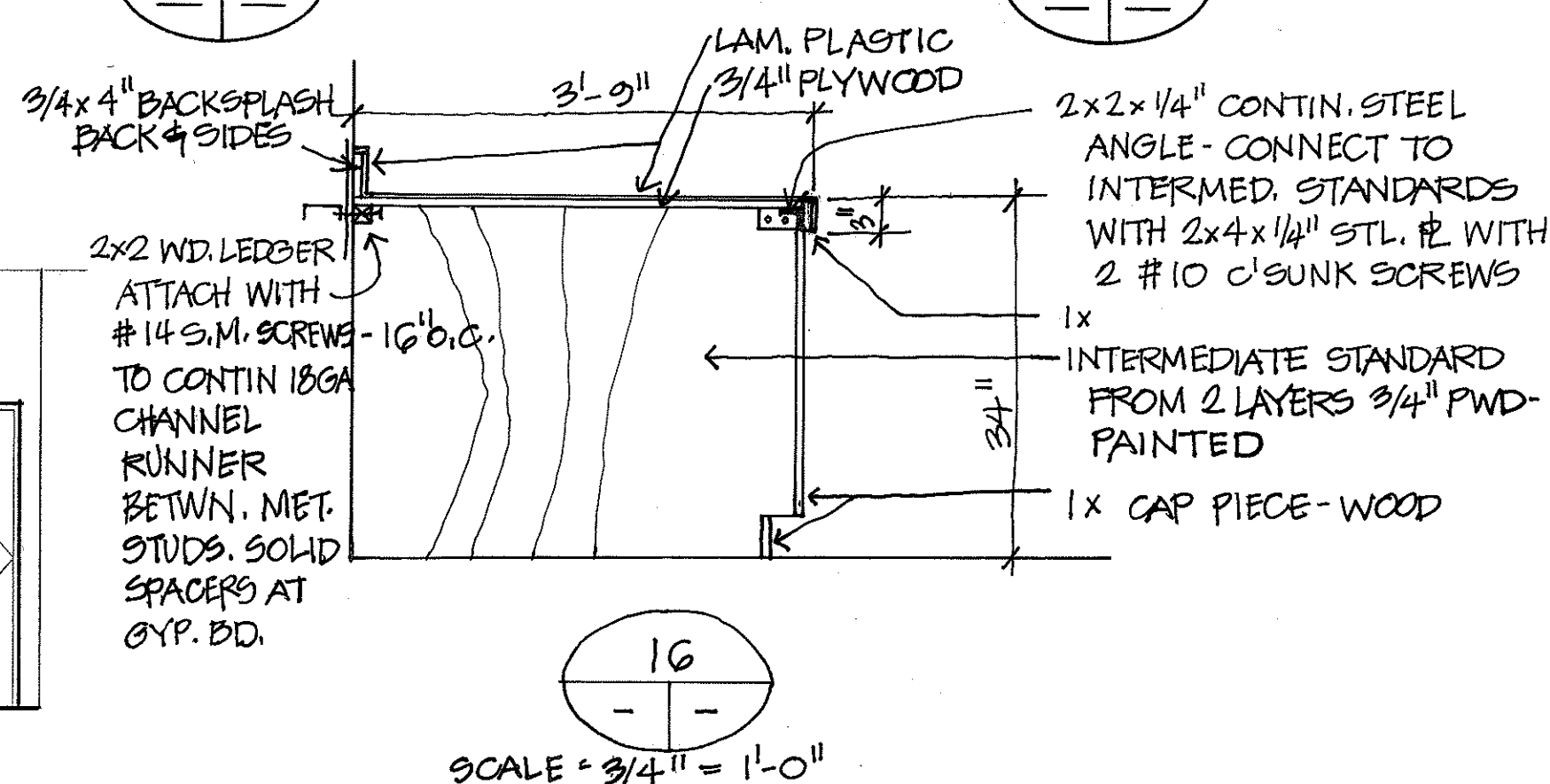
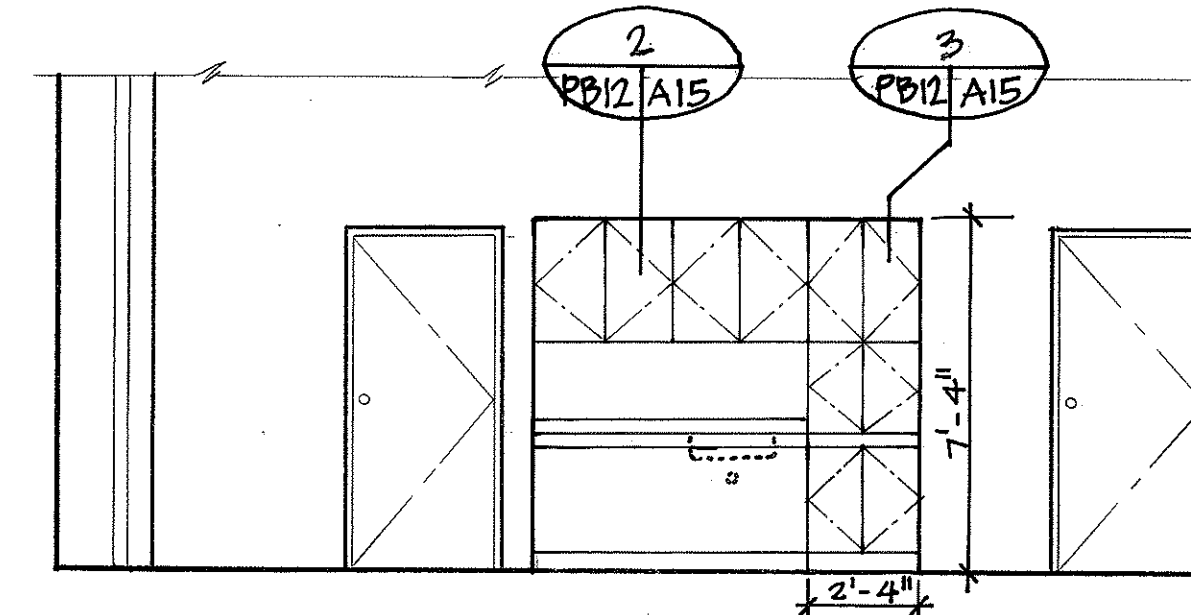
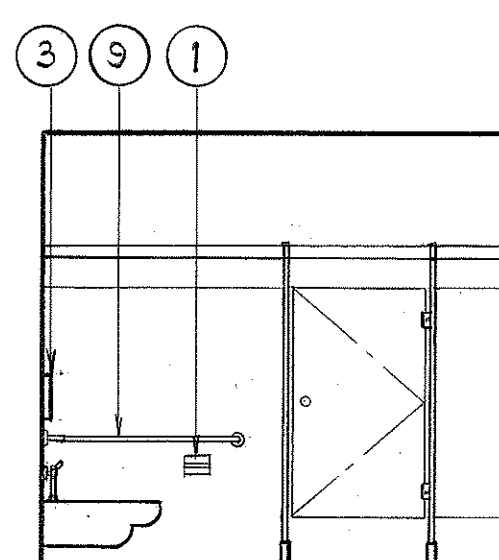
MEN TOILET ROOM ELEVATION



WOMEN TOILET ROOM ELEVATION



MISCELLANEOUS INTERIOR ELEVATION



SCALE = $\frac{3}{4}" = 1'-0"$

7/22/92	ADDENDUM I - ADDED NOTE I AND LOCATION OF PULLBOXES
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ARCHITECTURAL ENLARGED
PLAN & ELEVATIONS - OB

HAIKU O & M FACILITY
INTERSTATE ROUTE H-3
F. A. I. PROJ. NO. 1-H3-1 (66)

SCALE: $1/4" = 1' - 0"$ DATE: JUN 1992

SHEET NO. PB12 OF 28 SHEETS

ADD. 422

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

Robert B. Howell

1. 10/16/16 Ref. 10/16/16

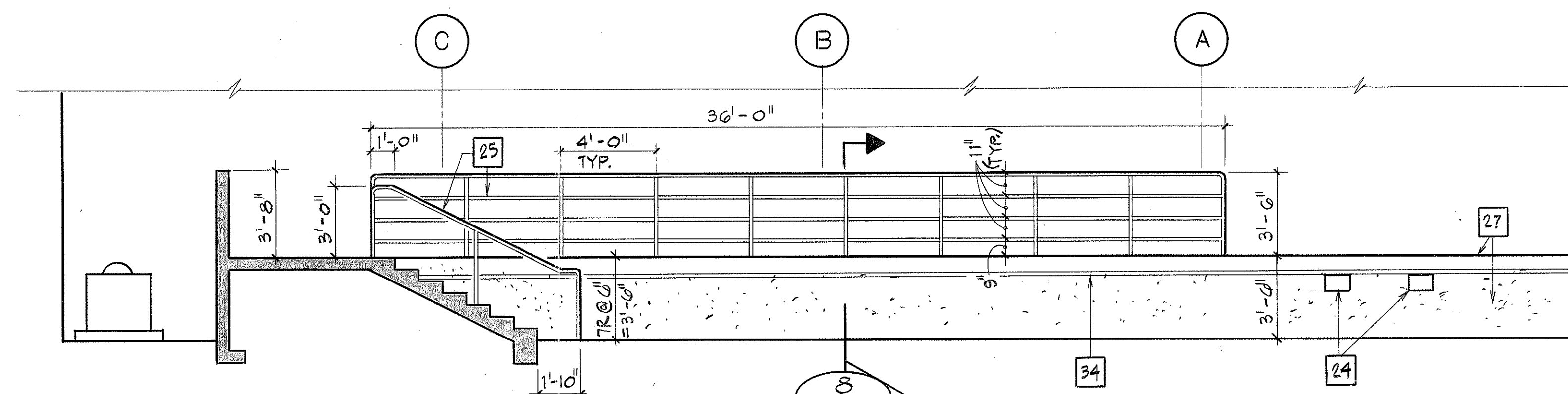


ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY <u>C. CHEN</u>	- <u>6-92</u>
	DESIGNED BY _____	- _____
	QUANTITIES BY <u>C. FREY</u>	- <u>6-92</u>
	CHECKED BY <u>R. HANDEL</u>	- <u>6-92</u>
No. _____		

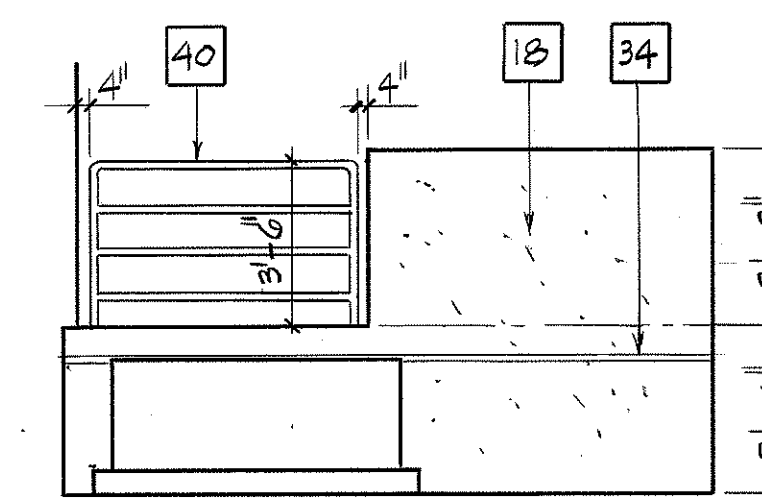
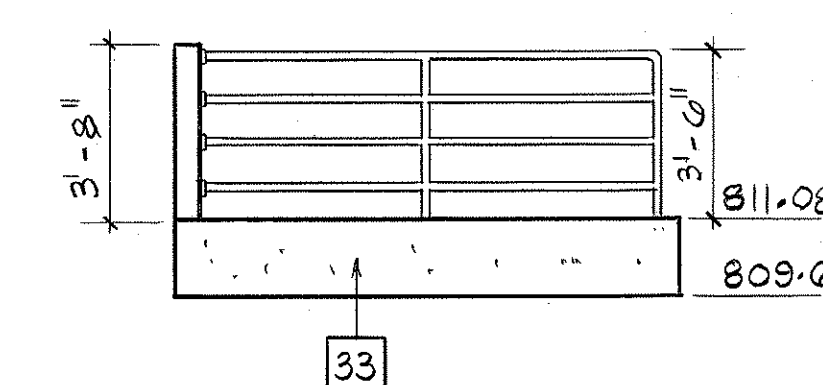
KEY NOTES

- HAIKU O.B. ENLARGED ELEVATION

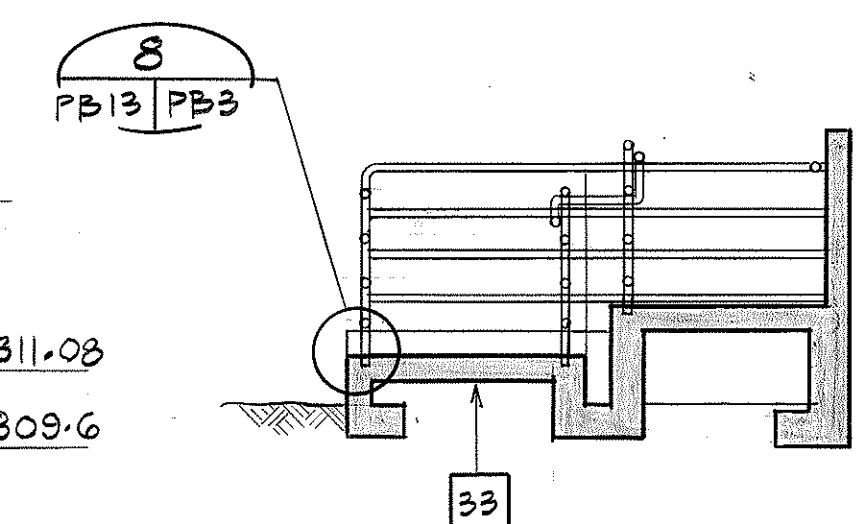
KEY PLAN RAMP



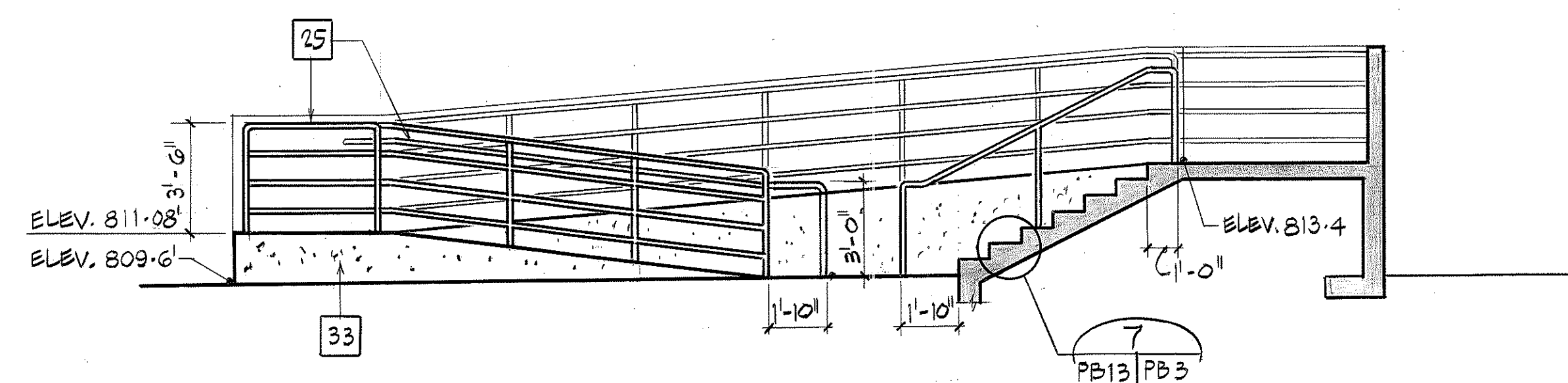
HAIKU O.B. LOADING DOCK ENLARGED ELEVATION

ELEVATION AT END
OF LOADING DOCK

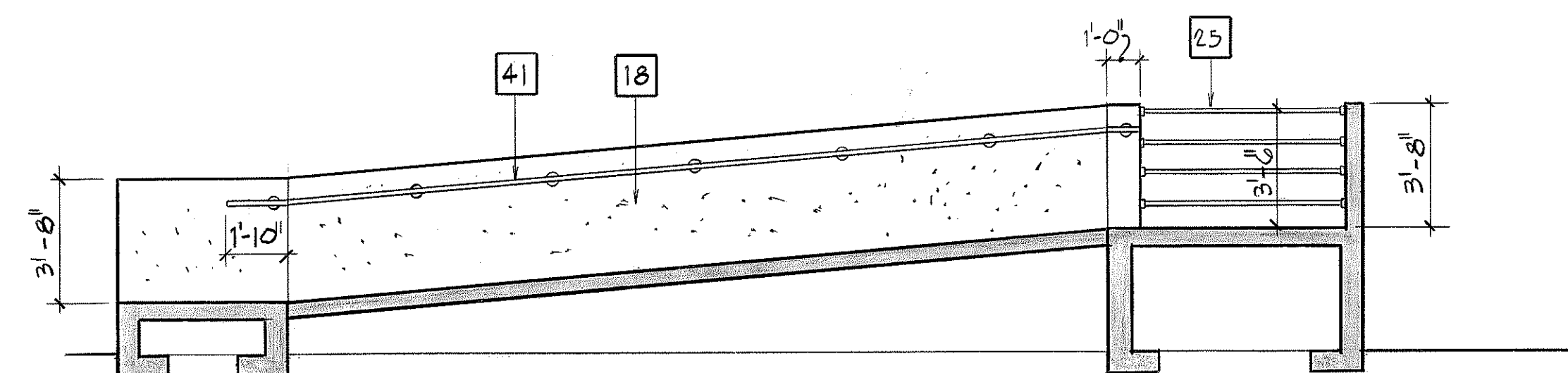
HANDICAPPED RAMP
ELEVATION



HANDICAPPED RAMP
SECTION



HANDICAPPED RAMP ELEVATION



HANDICAPPED RAMP ELEVATION



Robert B. Howell

423

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	423 S-1	440

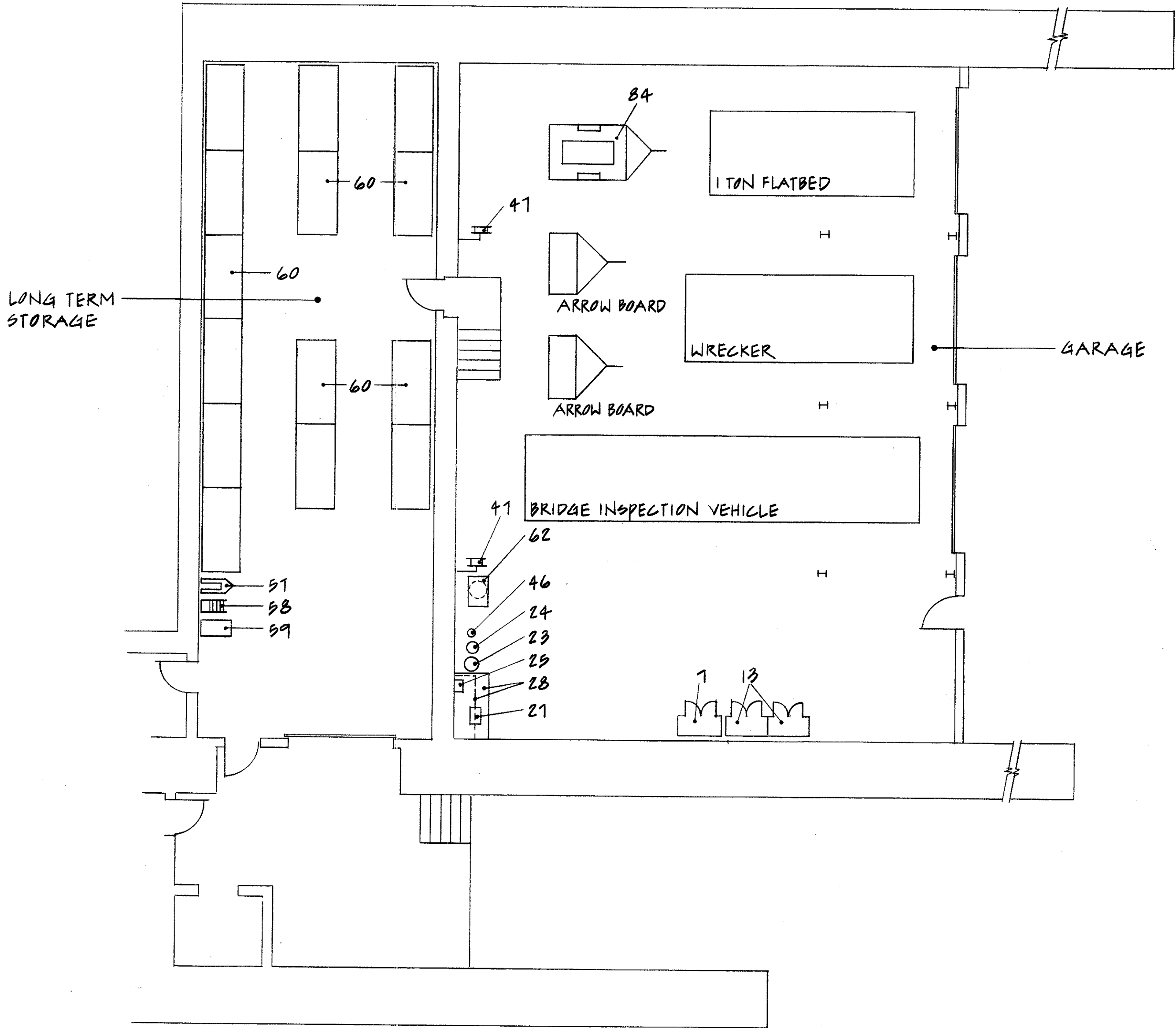
EQUIPMENT SCHEDULE

FURNISHINGS SCHEDULE

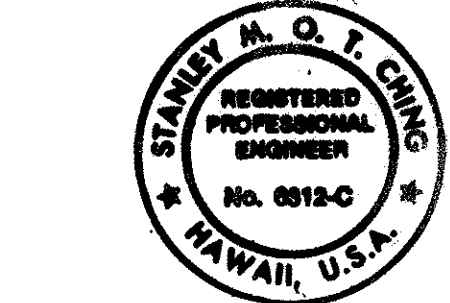
ITEM NO.	QTY.	DESCRIPTION
1	1	PEDESTAL GRINDER
2	1	COMBO BELT/DISC SANDER
3	1	MULTI-PURPOSE WELDER
4	1	DRILL PRESS
5	1	CHOP SAW
6	1	PIPE THREADER
7	4	FLAMMABLE LIQUID CABINET
8	3	BENCH VISE
9	1	CYLINDER TRUCK
10	2	CYLINDER RESTRAINT BRACKET
11		NOT USED
12	1	SOLVENT RINSE TANK
13	5	STORAGE CABINET
14	4	STORAGE CABINET
15	3	STORAGE CABINET
16	2	WORK BENCH
17	1	WORK BENCH
18	1	WORK BENCH
19	1	ELECTRONIC BENCH
20	2	WOOD BENCH
21	1	ANVIL
22	2	STEEL SCRAP BIN
23	6	WHEELED GARBAGE CAN
24	4	OILY WASTE CAN
25	5	FIRST AID KIT
26	2	EMERGENCY SHOWER/EYE WASH
27		UTILITY SINK & TRIM
28		UPPER & LOWER CABINETS
29	1	SNORKEL FUME HOOD
30	1	ELECTRODE STABILIZING OVEN
31	1	OXY/ACETYLENE TORCH KIT
32	3	MOBILE SERVICE CART
33	1	WELDING CURTAIN
34	1	PIPE/BAR RACK
35	1	SHEET STOCK STORAGE RACK
36	1	ROD STORAGE RACK
37	1	WIRE SPOOL RACK
38	1	WHEELED SHELF CART
39	2	HAND/PLATFORM TRUCK
40	1	PORTABLE SUMP PUMP
41	1	PORTABLE AIR COMPRESSOR
42	1	PRESSURE WASHER
43	2	STORAGE RACK
44	7	STORAGE RACK
45		NOT USED
46	3	WET/DRY VACUUM
47	3	COMPRESSED AIR HOSE REEL
48		NOT USED
49		NOT USED
50	2	ELECTRONIC WORK BENCH
51	4	SHOP STOOL
52	2	WORK BENCH
53	3	STORAGE CABINET
54	1	ELECTRICAL BENCH VISE
55	3	DRY MARKER BOARD
56		NOT USED
57	1	PALLET JACK
58	1	STEP LADDER
59	1	MATERIAL PLATFORM CART
60	14	STORAGE RACK
62	1	AIR COMPRESSOR
63	1	SHOP DESK
84	1	WELDING GENERATOR & TRAILER
89		FAX MACHINE
92		COPIER

ITEM NO.	QTY.	DESCRIPTION	ROOM
1	4	FURNITURE SYSTEM	28, 29, 30, 31
3	6	TASK CHAIRS	28, 29, 30, 31, 32
4	2	SIDE CHAIRS	28
5	12	MEETING ROOM CHAIRS	MEETING ROOM
9	1	AUDIO VISUAL CABINET	MEETING ROOM
11		MOVEABLE WALL SYSTEM	SEE PLAN FOR LOCATION & QTY.
12	3	LATERAL FILE	29, 30, 31
16	3	TABLES	MEETING ROOM
17	1	MARKER BOARD	MEETING ROOM
18	4	FLAT FILE	DOCUMENT ROOM
19	5	BOOKCASES	DOCUMENT ROOM
20	2	TABLES	DOCUMENT ROOM
21	2	HANGING FILE RACK	DOCUMENT ROOM/ELECTRONIC SHOP
22	1	DRAFTING TABLE	31
23	1	KEYBOARD SHELF	DOCUMENT ROOM
24	1	DRY MARKER/CORK BOARD	KITCHEN AREA
25	2	VERTICAL FILE CABINET	ELECTRONIC SHOP

- NOTES:
- FOR EQUIPMENT NOT SHOWN REFER TO THE SPECIAL PROVISIONS.
 - FOR O & M SHOP/OFFICE EQUIPMENT AND FURNISHINGS SEE SHT. NO. PB13B.
 - FOR CONTROL BUILDING GARAGE AND ELECTRONIC SHOP EQUIPMENT PLAN, SEE SHT. NO. A11A.



SURVEY PLOTTED BY	DATE
DESIGNED BY	7/14/92
QUANTITIES BY	7/16/92
CHECKED BY	7/16/92



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

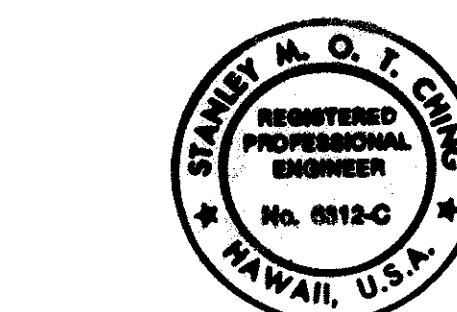
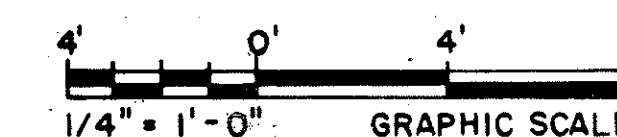
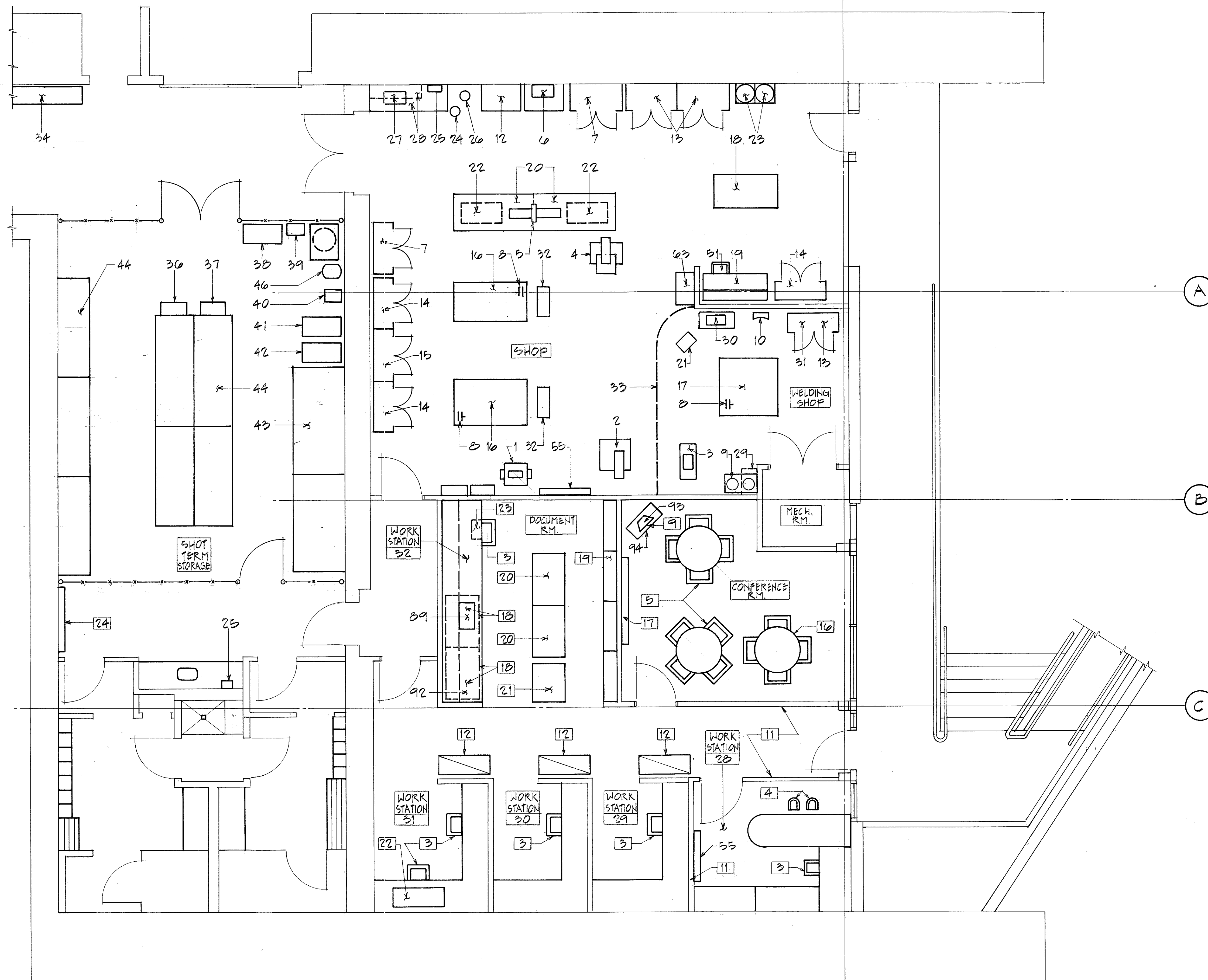
Stanley M. O. S. Chiu

7/22/92	ADDENDUM 1-ADDED PLAN
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ARCHITECTURAL EQUIPMENT PLAN 1B & LEGEND HAIKU O & M FACILITY INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(66)	
SCALE: 1/8" = 1'-0"	DATE: JUL 1992
SHEET NO. PB13A OF 28 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	423 S-2	440

NOTE:
FOR EQUIPMENT AND FURNISHINGS LEGEND SEE SHEET No. PB13A.

ORIGINAL PLAN	DATE
7/16/92	7/16/92
DESIGNED BY	7/16/92
QUANTITIES BY	7/16/92
CHECKED BY	7/16/92



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Stanley M. O. S. Ching

7/22/92	ADDENDUM 1 - ADDED PLAN
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ARCHITECTURAL EQUIPMENT & FURNISHINGS PLAN OB	
HAIKU O & M FACILITY INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (66)	
SCALE: 1/4" = 1'-0"	DATE: JUL 1992
SHEET NO. PB13B OF 28 SHEETS	

GENERAL NOTES:

- GENERAL SPECIFICATIONS: STATE OF HAWAII, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1985, AND SPECIAL PROVISIONS PREPARED FOR THIS CONTRACT.
- DESIGN SPECIFICATIONS:

INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS, UNIFORM BUILDING CODE (UBC), 1991 EDITION.

AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-89).

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, 9TH EDITION.

AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1-90.
- DESIGN LIVE LOADS

ROOF FRAMING: 20 PSF UNIFORM OR 1000 LB CONCENTRATED LOAD

SLABS-ON-GRADE:

HAIKU - INBOUND: 100 PSF UNIFORM LOAD

HAIKU - OUTBOUND: 250 PSF UNIFORM LOAD OR HS20-44 TRUCK LOAD
- MATERIALS:

A. CONCRETE SHALL BE NORMAL WEIGHT (150 PCF) WITH ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS ($f'_c = 3000$ PSI).

B. REINFORCING STEEL SHALL BE ASTM A615 DEFORMED BARS, GRADE 60 ($f_y = 60$ KSI).

C. STRUCTURAL STEEL SHALL BE ASTM A36 MATERIAL UNLESS NOTED OTHERWISE.

D. ANCHOR BOLT ASSEMBLAGES SHALL BE ASTM B425 MATERIAL.

E. ROD ANCHORS SHALL BE DRILL AND GROUT TYPE WITH ASTM B425 OR ASTM A240 TYPE 317 STAINLESS STEEL THREADED RODS.

F. GROUT UNDER COLUMN BASE PLATES SHALL BE SAND CEMENT GROUT WITH ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

G. METAL DECK PANELS SHALL BE 18 GAUGE x 1 1/2 INCH RIB DEPTH, COLD ROLLED FROM GALVANIZED STEEL SHEET CONFORMING TO ASTM A446, GRADE A ($f_y = 33$ KSI).

H. BOLTED CONNECTIONS SHALL BE MADE USING 3/4 INCH DIAMETER HIGH STRENGTH BOLTS CONFORMING TO ASTM A325, SLIP CRITICAL TYPE CONNECTIONS UNLESS NOTED OTHERWISE.

I. WELDED CONNECTIONS SHALL BE MADE USING ELECTRODES CONFORMING TO AWS A5.1 OR A5.5, E70XX.

J. EMBEDDED WTS SHALL BE HOT-DIPPED GALVANIZED.
- CONCRETE NOTES:

A. REINFORCING STEEL LAP SPLICES SHALL BE CLASS B.

B. PRIOR TO PLACING CONCRETE VERIFY PLACEMENT OF CONDUITS, PIPES, PULLBOXES, JUNCTION BOXES, AND OTHER EMBEDDED ITEMS SHOWN ON CIVIL, MECHANICAL, ARCHITECTURAL, ELECTRICAL, AND SYSTEM PLANS.
- STRUCTURAL STEEL NOTES:

A. AFTER FABRICATION STRUCTURAL STEEL MEMBERS SHALL RECEIVE TWO SHOP COATS OF MODIFIED ALKYD RUST-INHIBITIVE PRIMER, EACH COAT NOT LESS THAN 2 MILS IN DRY FILM THICKNESS, EXCEPT AT CONTACT AREAS OF BOLTED CONNECTIONS.

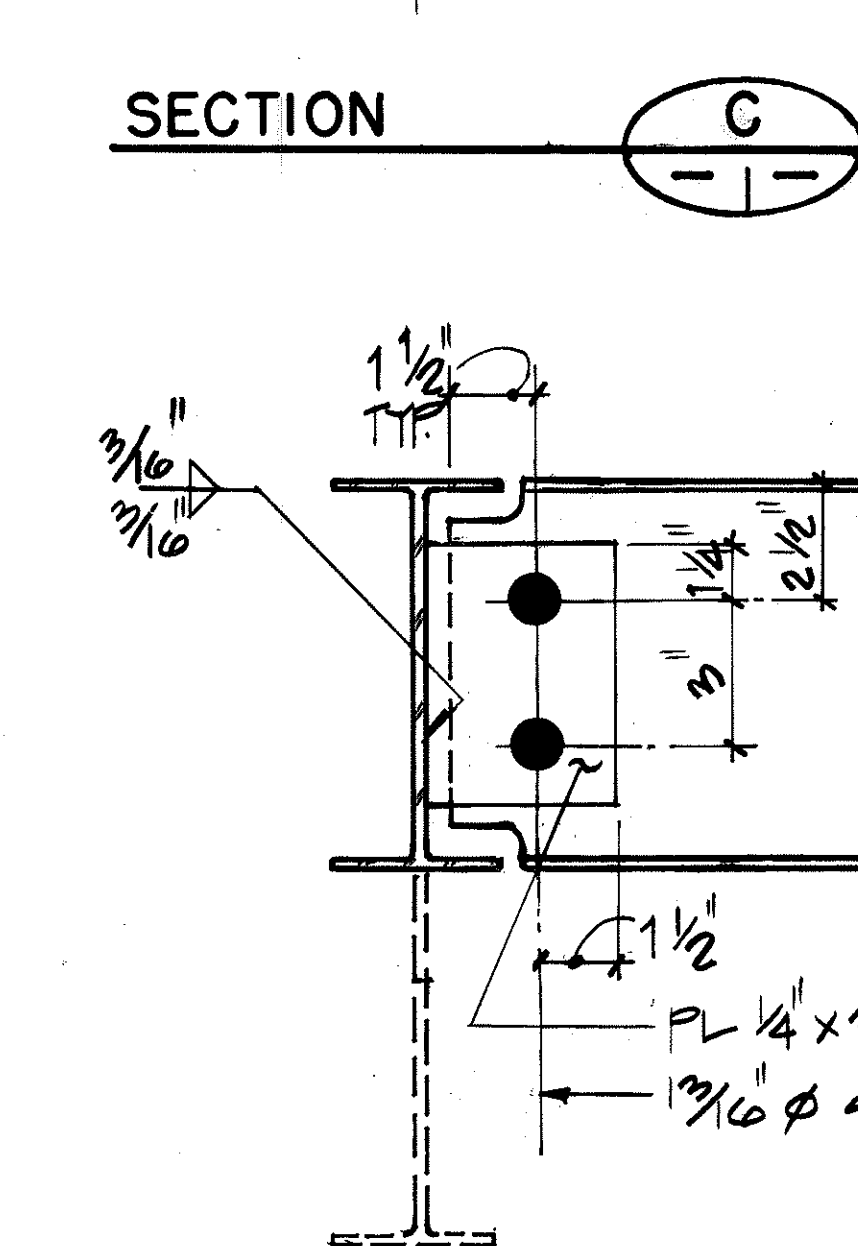
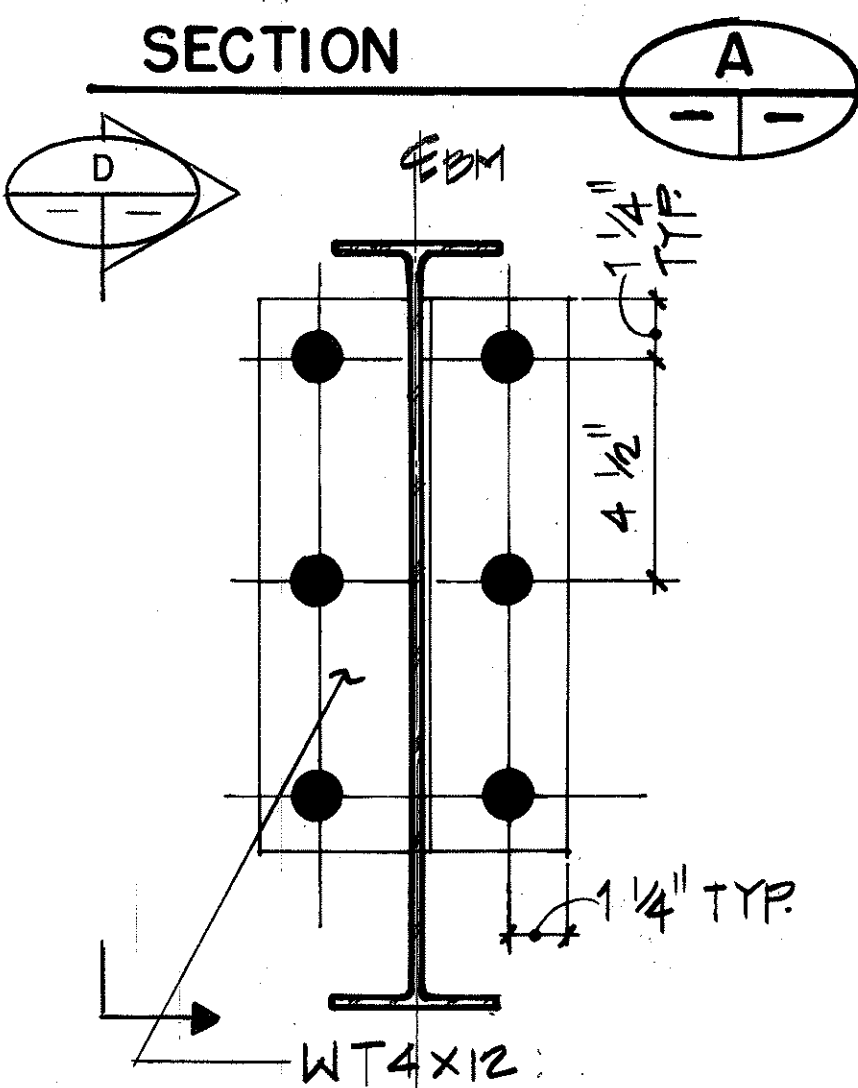
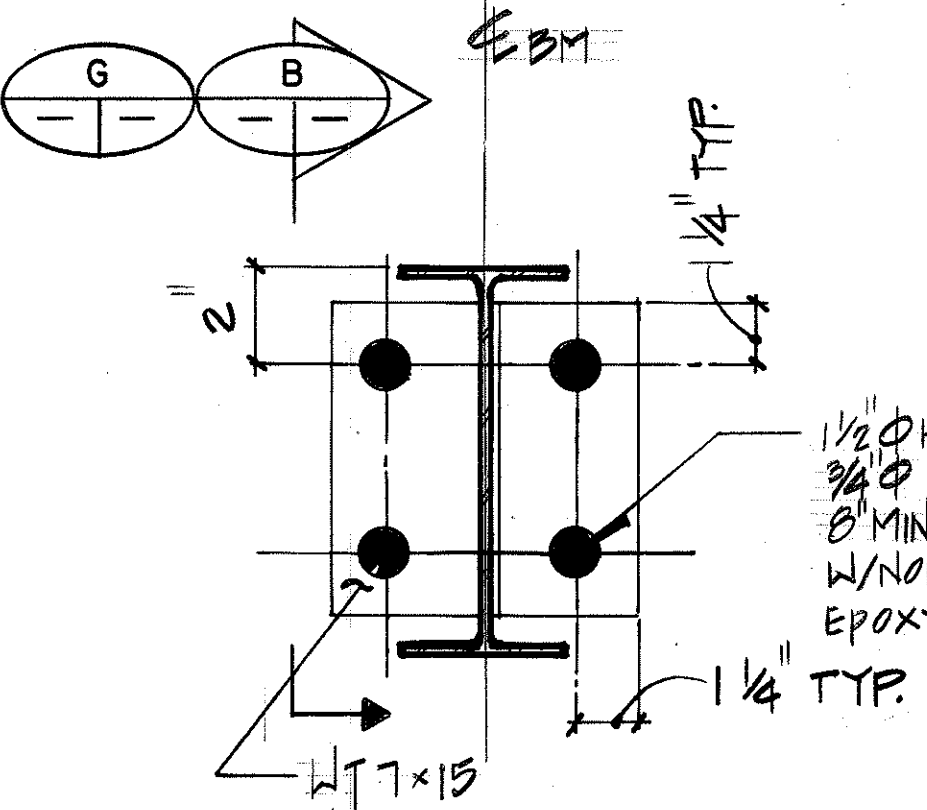
B. AFTER ERECTION TOUCH-UP PAINT SHALL BE APPLIED TO ALL ABRASIONS, BOLT HEADS, AND SURFACES LEFT UNPAINTED FOR BOLTING.
- METAL DECK NOTES:

A. ALL DECK SHALL SPAN A MINIMUM OF 3 SPANS (OVER 4 SUPPORTS).

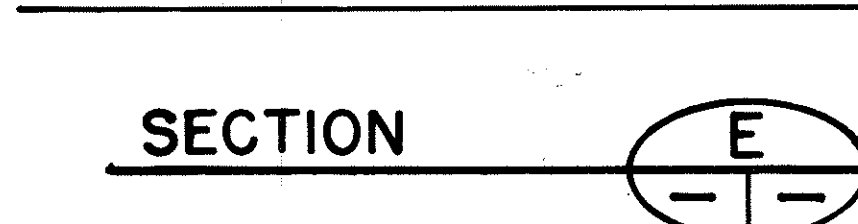
B. ALL DECK UNITS SHALL BE FASTENED TO THE STEEL FRAMEWORK AT ENDS OF UNITS AND AT INTERMEDIATE SUPPORTS BY WELDS NOT LESS THAN 3/4 INCH DIAMETER, SPACED NOT MORE THAN 12 INCHES ACROSS THE WIDTH OF THE UNIT. WHERE TWO UNITS ABUT, EACH UNIT SHALL BE FASTENED TO THE STEEL FRAMING.

C. SIDE LAPS OF ADJACENT DECK UNITS SHALL BE FASTENED AT INTERVALS NOT EXCEEDING 1'-0" BY WELDS NOT LESS THAN 1 INCH LONG, BY AN APPROVED BUTTON CLINCHING TOOL, OR BY ANY OTHER METHOD APPROVED BY UNITED LABORATORIES FOR THE SPECIFIC MATERIALS AND MATERIAL STRENGTHS USED.

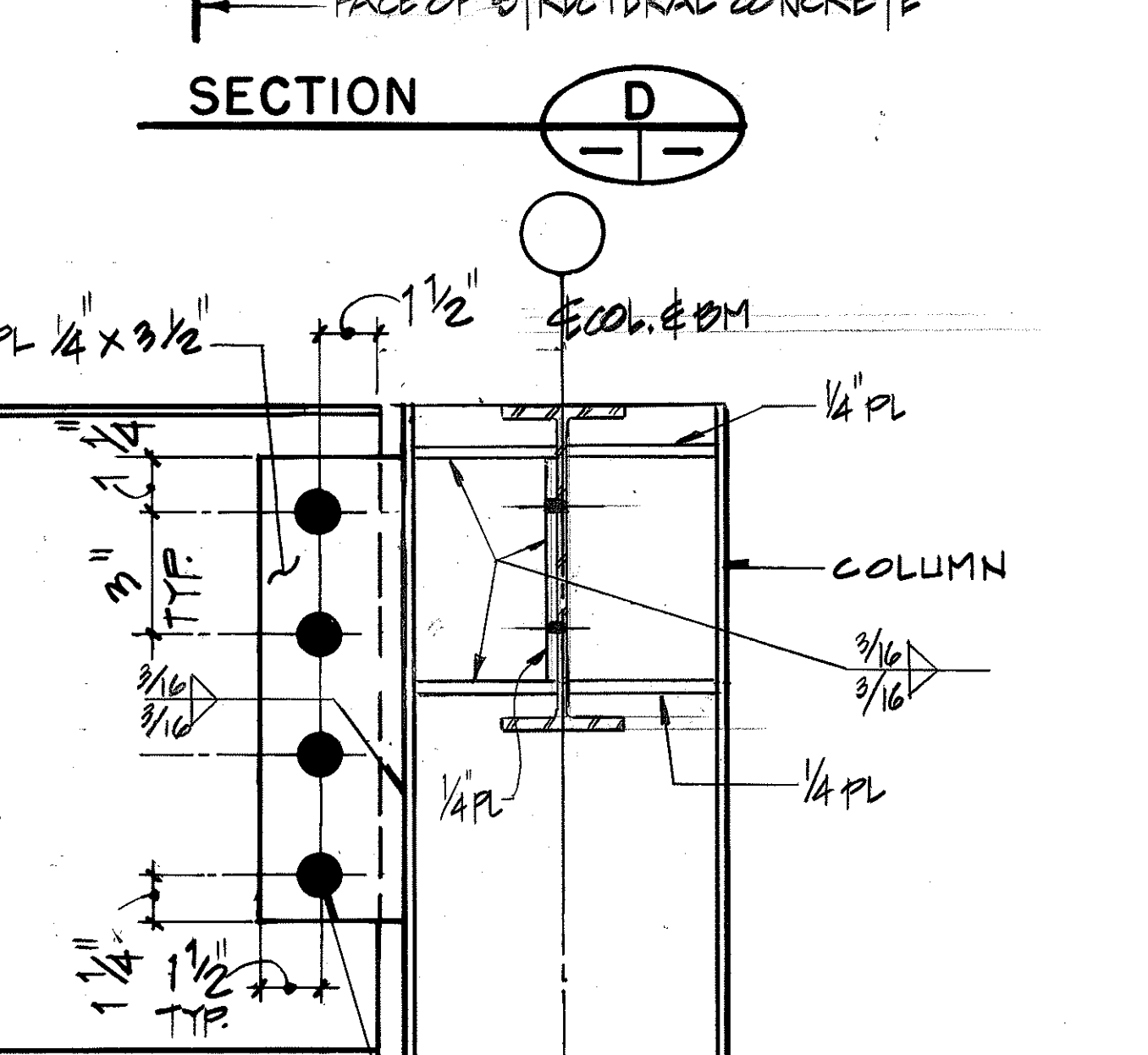
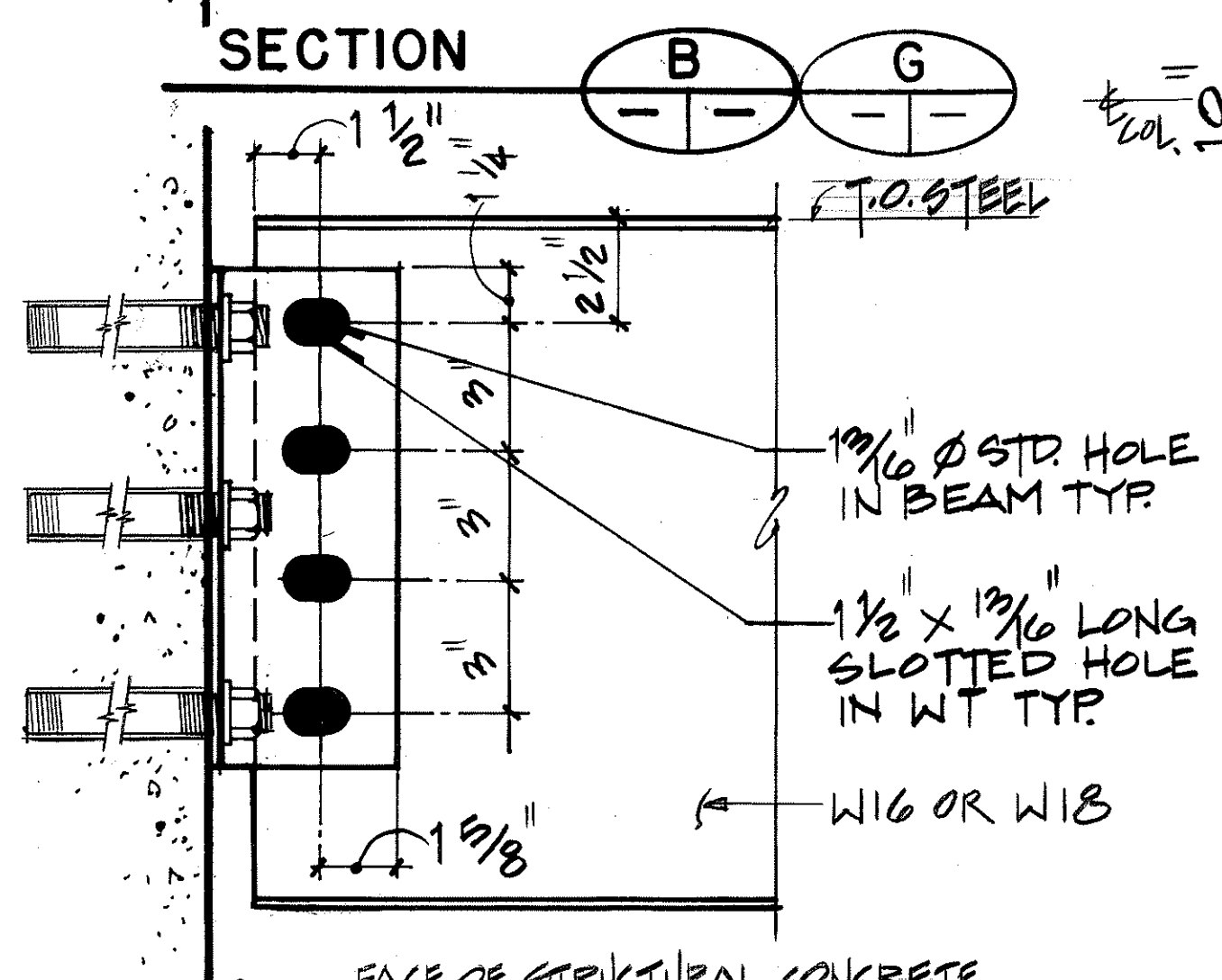
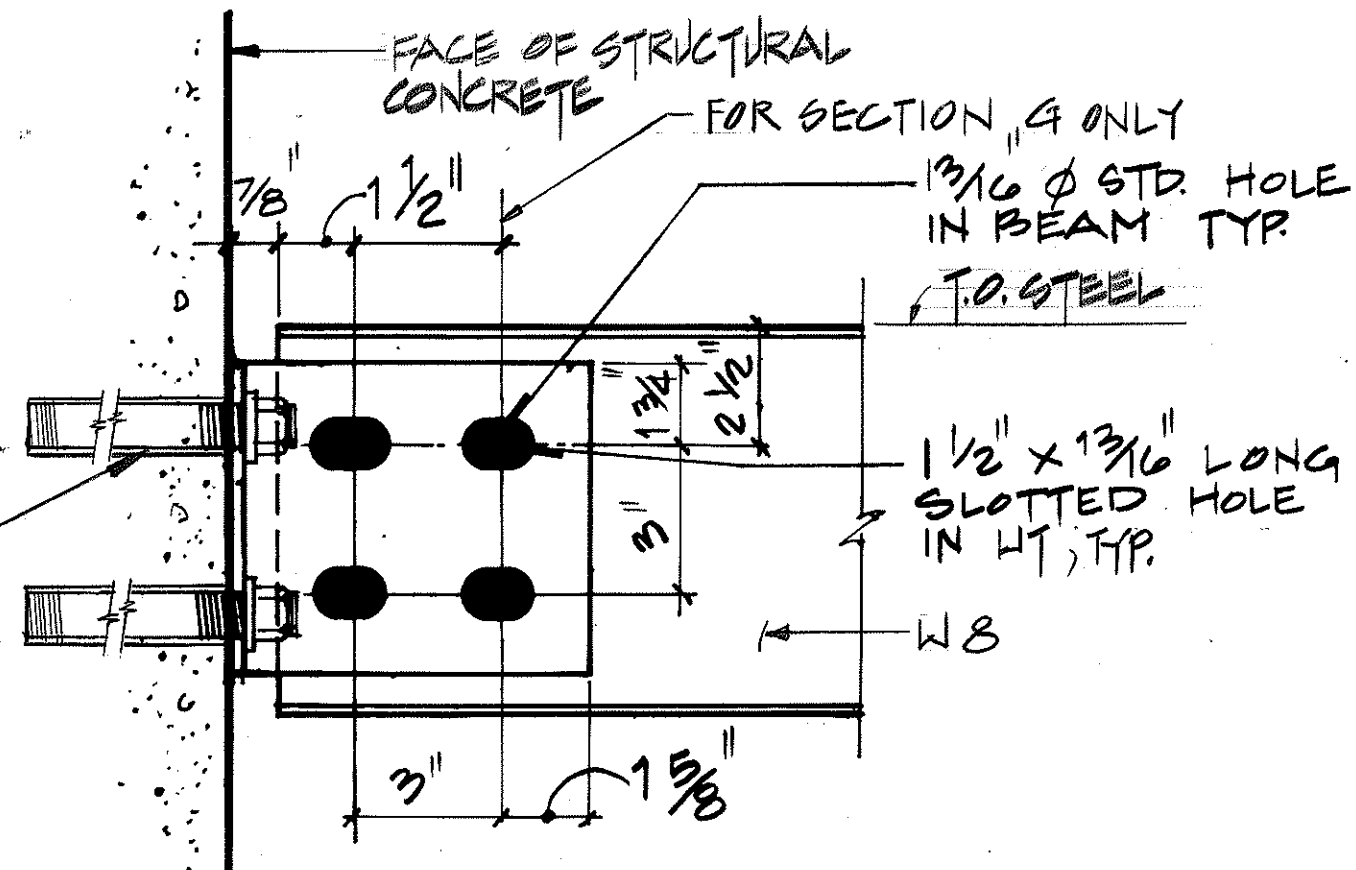
D. IN ALL LOCATIONS WHERE DECKING RESTS UPON OR TERMINATES AGAINST GIRDERS, THE SIDE LAPS OF ADJACENT UNITS SHALL BE FASTENED BETWEEN SUPPORTS AT INTERVALS NOT EXCEEDING 1'-6" BY WELDS NOT LESS THAN 3/4 INCH LONG.



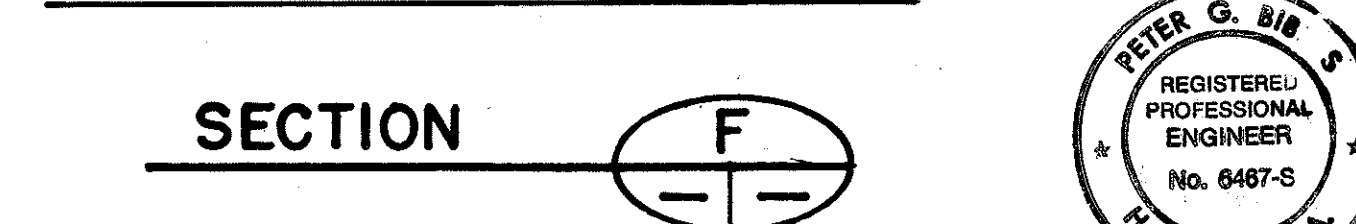
TYP. BEAM TO BEAM CONNECTION



SECTION E

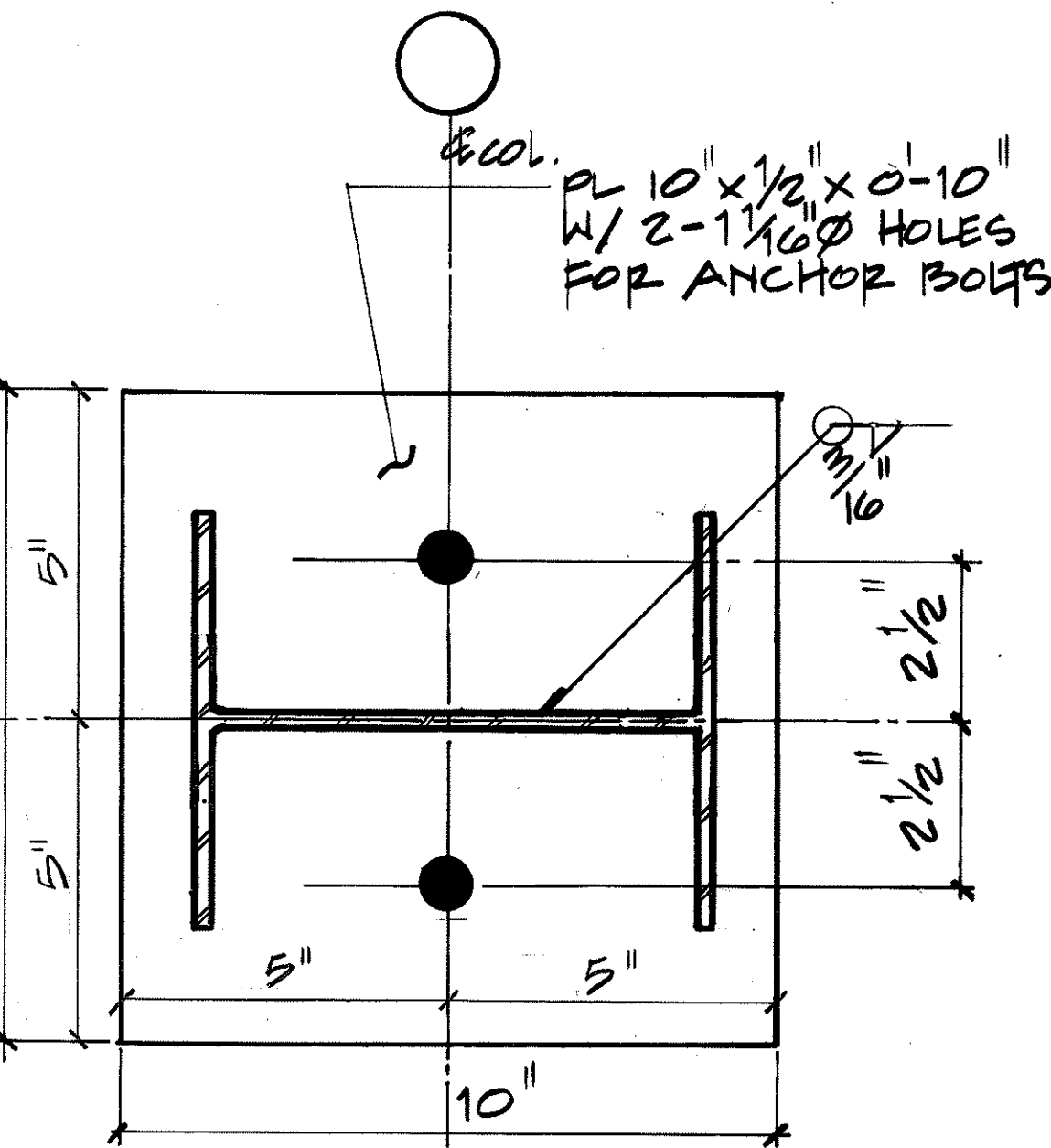


BEAM TO COLUMN CONNECTION

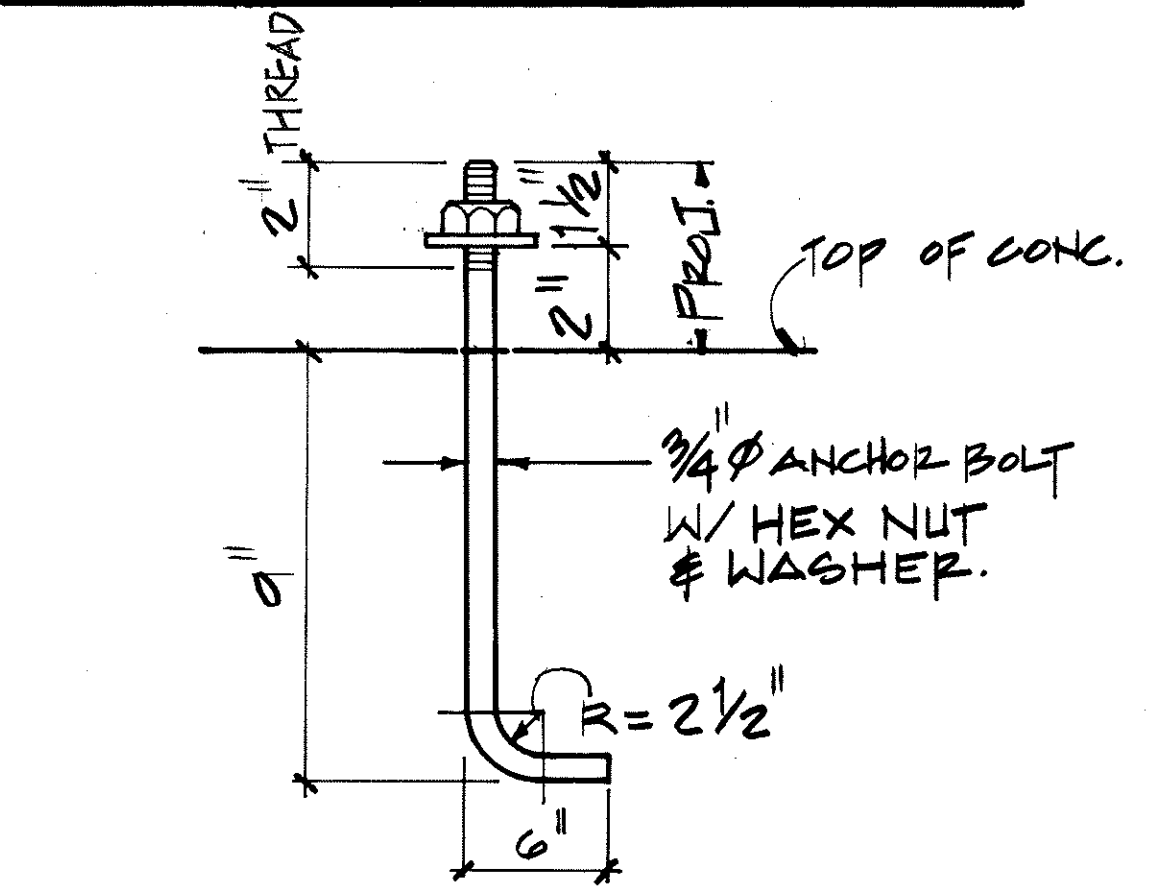


SECTION F

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	424	440



TYPICAL BASE PLATE DETAIL



TYPICAL ANCHOR BOLT DETAIL

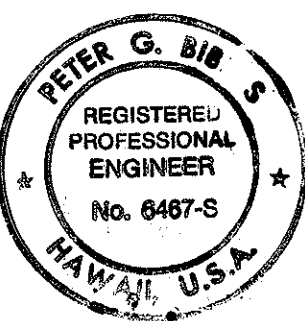
DATE	REVISION
1/22/92	ADDENDUM 1 - GENERAL REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**STRUCTURAL GENERAL NOTES
& STANDARD DETAILS**

HAIKU O&M FACILITY
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1 (66)

SCALE: NONE DATE: JUN 1992
SHEET NO. PB 14 OF 28 SHEETS

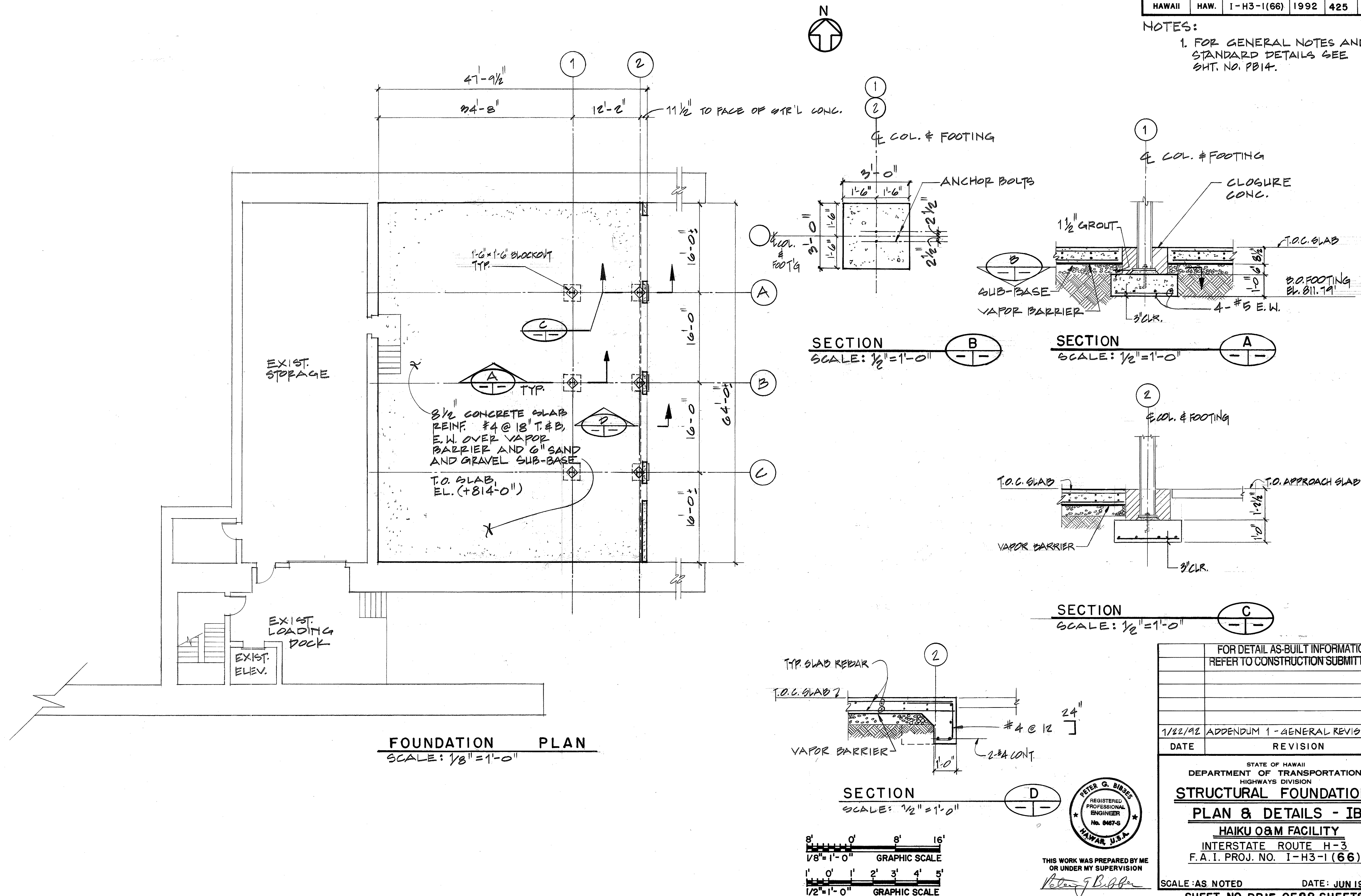


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Peter G. Bibbe

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	425	440

- NOTES:
- FOR GENERAL NOTES AND STANDARD DETAILS SEE SHT. NO. PB14.



DATE	5/27/92
SURVEY PLOTTED BY	HONG
DRAWN BY	MIKE
TRACED BY	A. LEAD
QUANTITIES BY	A. LEAD
CHECKED BY	A. LEAD
ORIGINAL PLAN	
NOTE BOOK	
No.	4-11-92

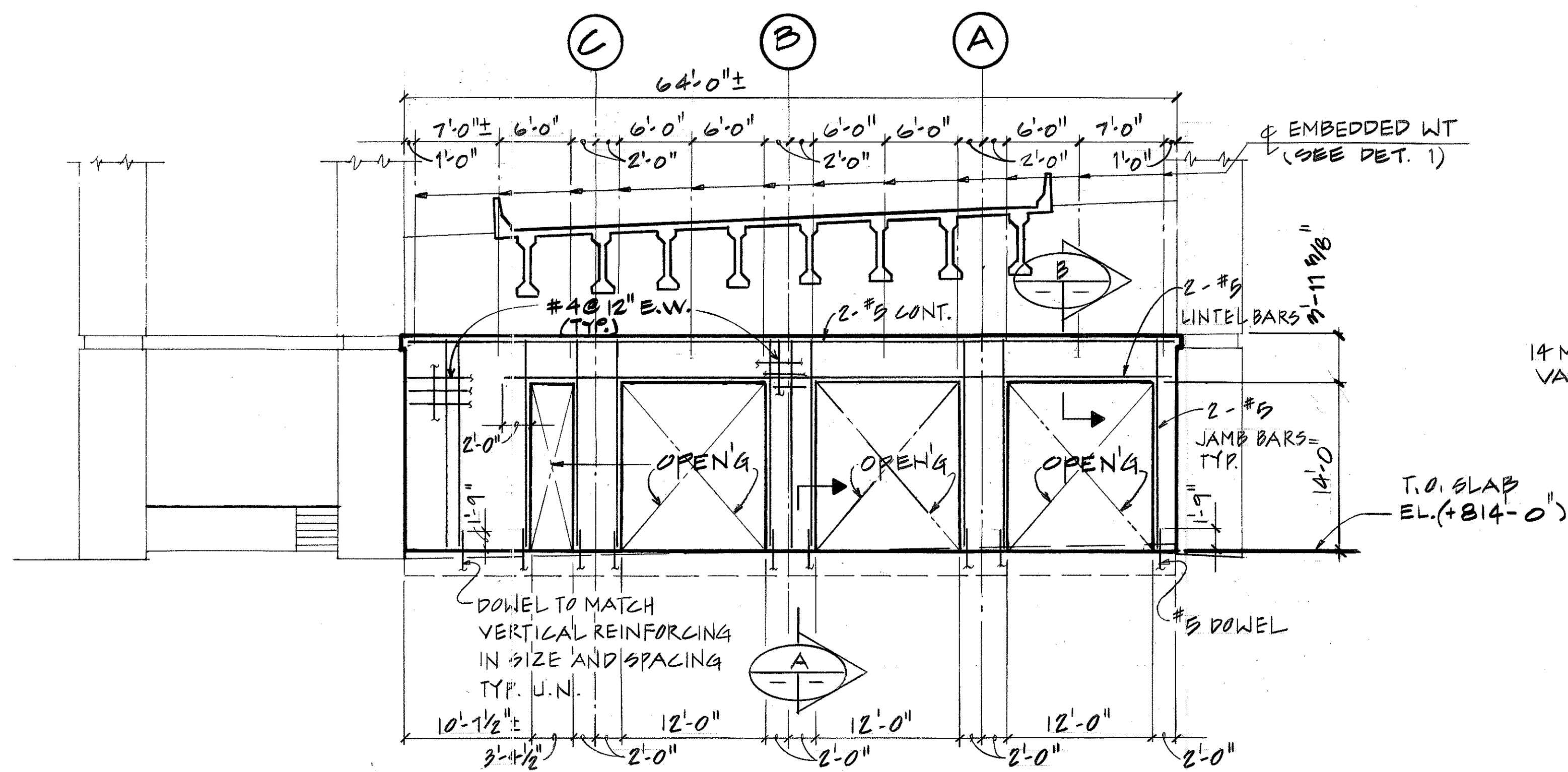
FOR DETAIL AS-BUILT INFORMATION REFER TO CONSTRUCTION SUBMITTALS	
1/22/92 ADDENDUM 1 - GENERAL REVISION	
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
STRUCTURAL FOUNDATION	
PLAN & DETAILS - IB	
HAIKU O&M FACILITY	
INTERSTATE ROUTE H-3	
F.A.I. PROJ. NO. I-H3-1 (66)	
SCALE: AS NOTED	DATE: JUN 1992
SHEET NO. PB15 OF 28 SHEETS	

PETER G. BIRDS
REGISTERED
PROFESSIONAL
ENGINEER
No. 8467-S
HAWAII, U.S.A.

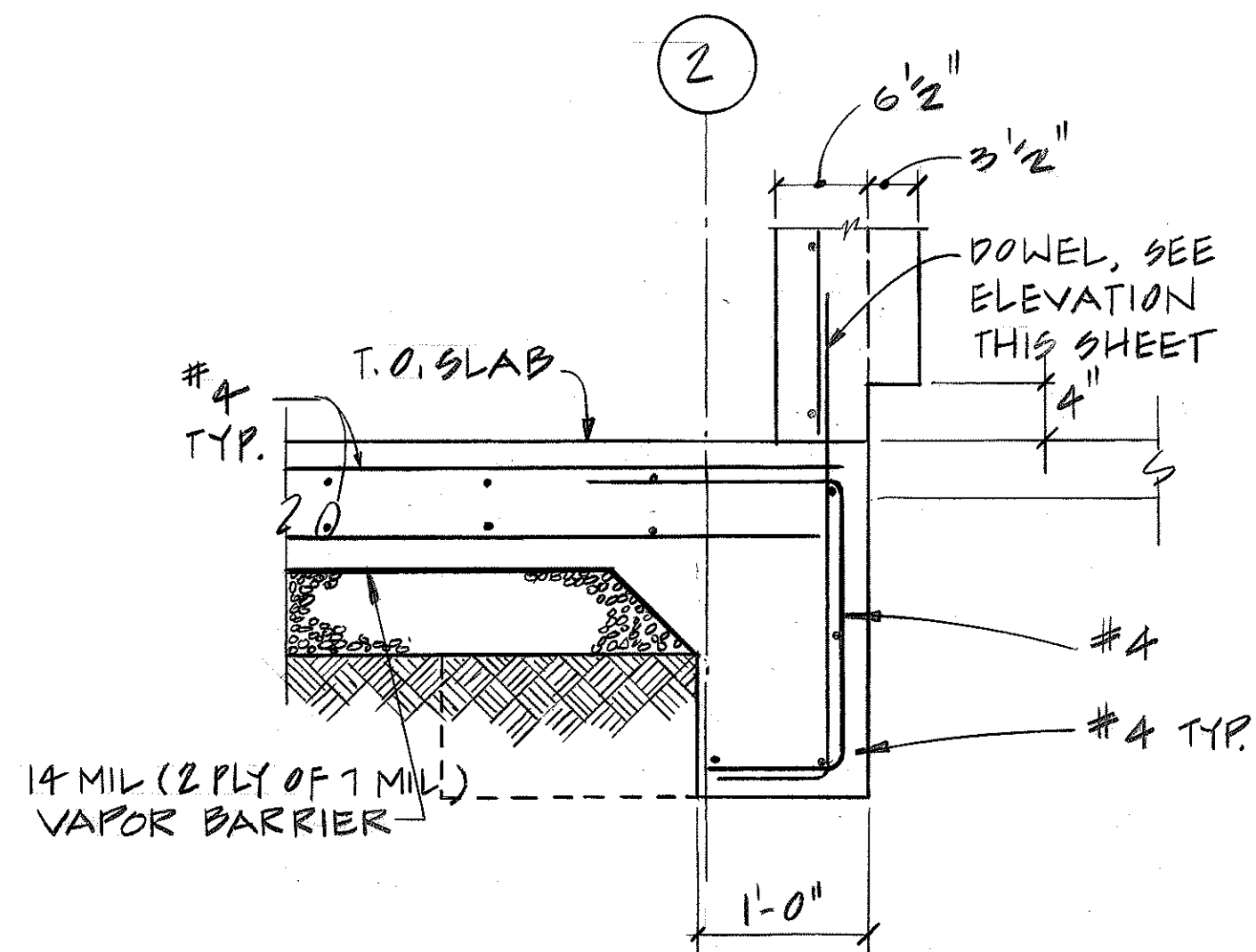
THIS WORK WAS PREPARED BY ME
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Peter G. Birds

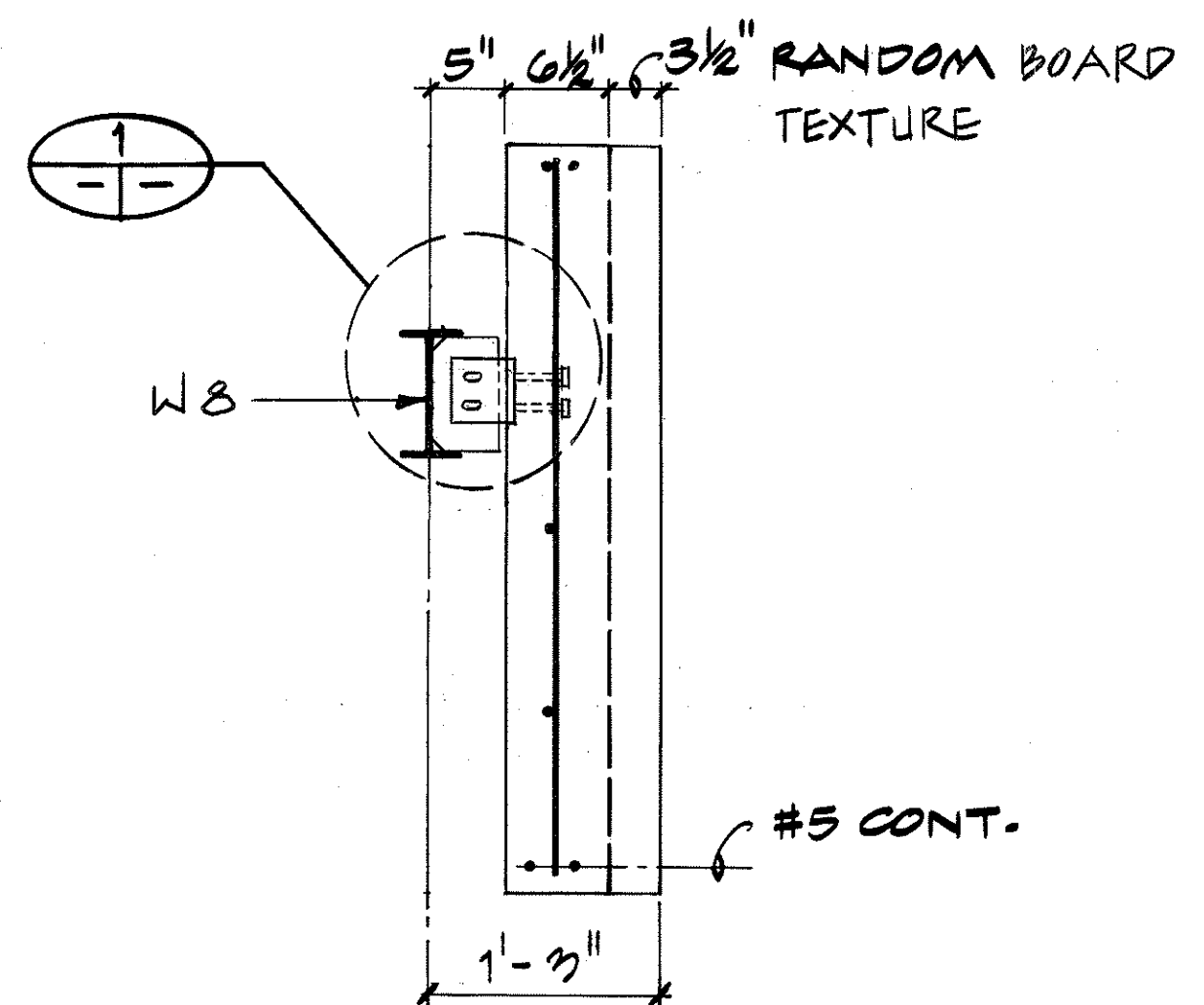
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	427	440



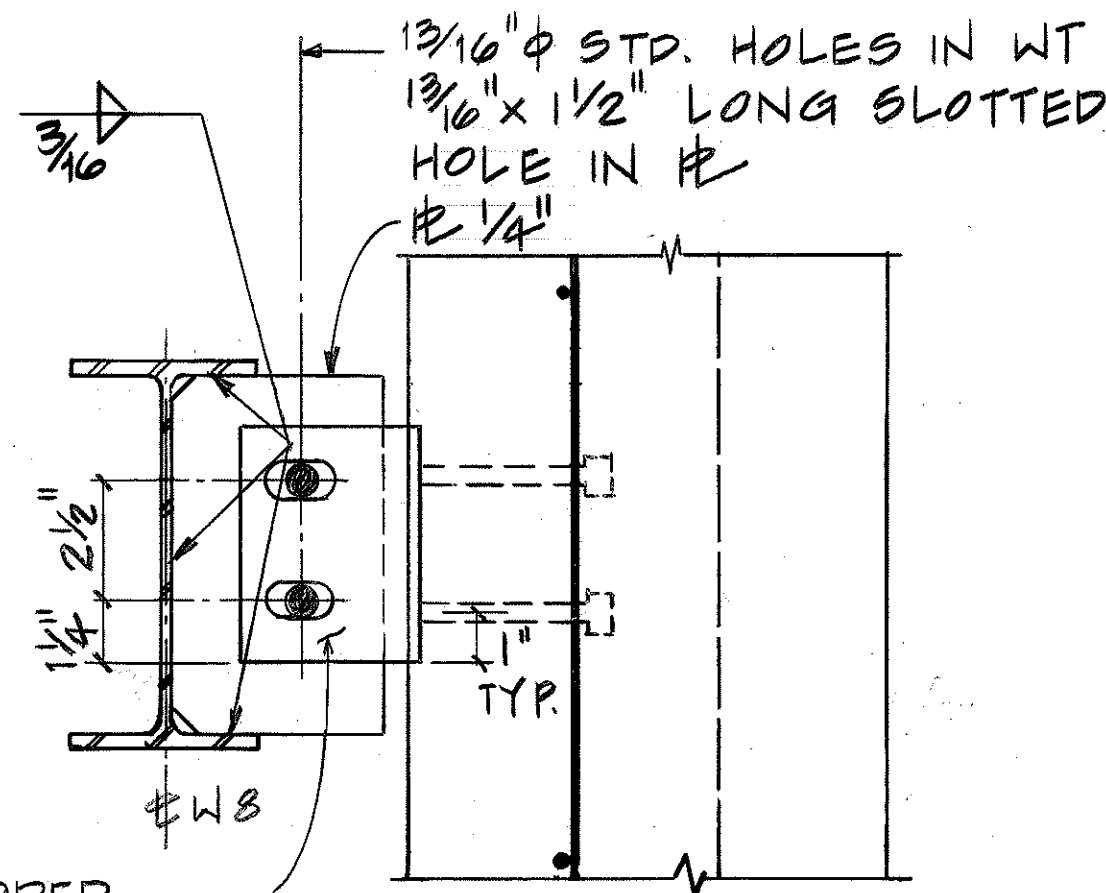
EAST ELEVATION
SCALE: 1/8"=1'-0"



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

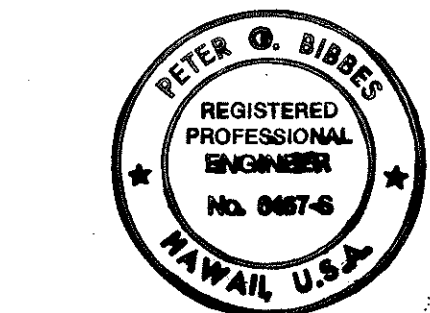
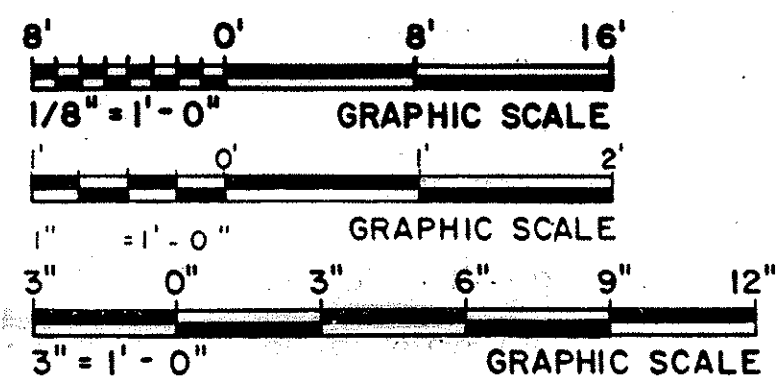


SECTION B-B
SCALE: 1"=1'-0"



DETAIL 1-1
SCALE: 3/8"=1'-0"

NOTES:
1. FOR GENERAL NOTES AND STANDARD DETAILS SEE SHT. NO. PB14



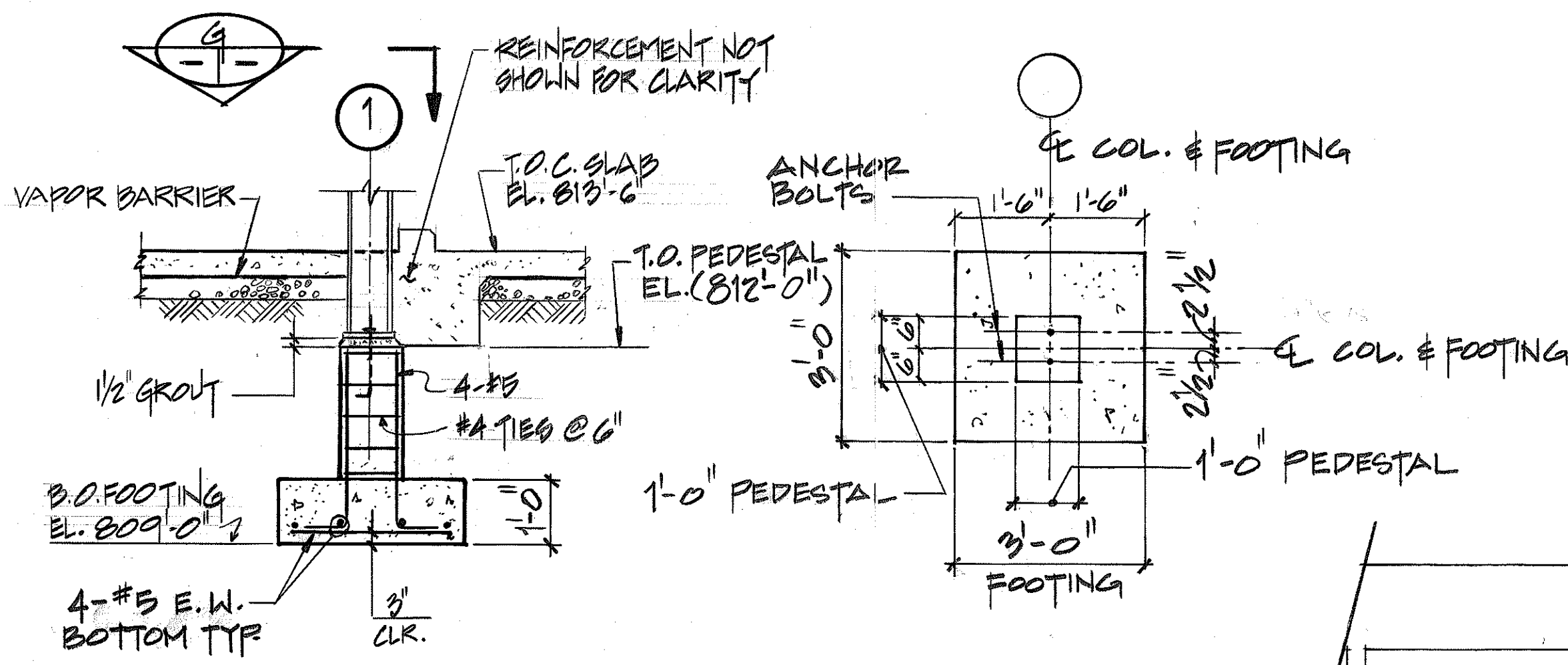
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Peter G. Bises

1/22-92	ADDENDUM 1 - GENERAL REVISION
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION STRUCTURAL ELEVATION & WALL PANELS - IB HAIKU O&M FACILITY INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(66)	
SCALE: AS NOTED	DATE: JUN 1992
SHEET NO. PB17 OF 28 SHEETS	

ORIGINAL PLAN	DATE: 6-2-92
SURVEY PLOTTED BY: MIKE HONGO	DRAWN BY: MIKE HONGO
TRACED BY: A. READ	CHECKED BY: A. BENEVOLO
NOTE BOOK	NO.

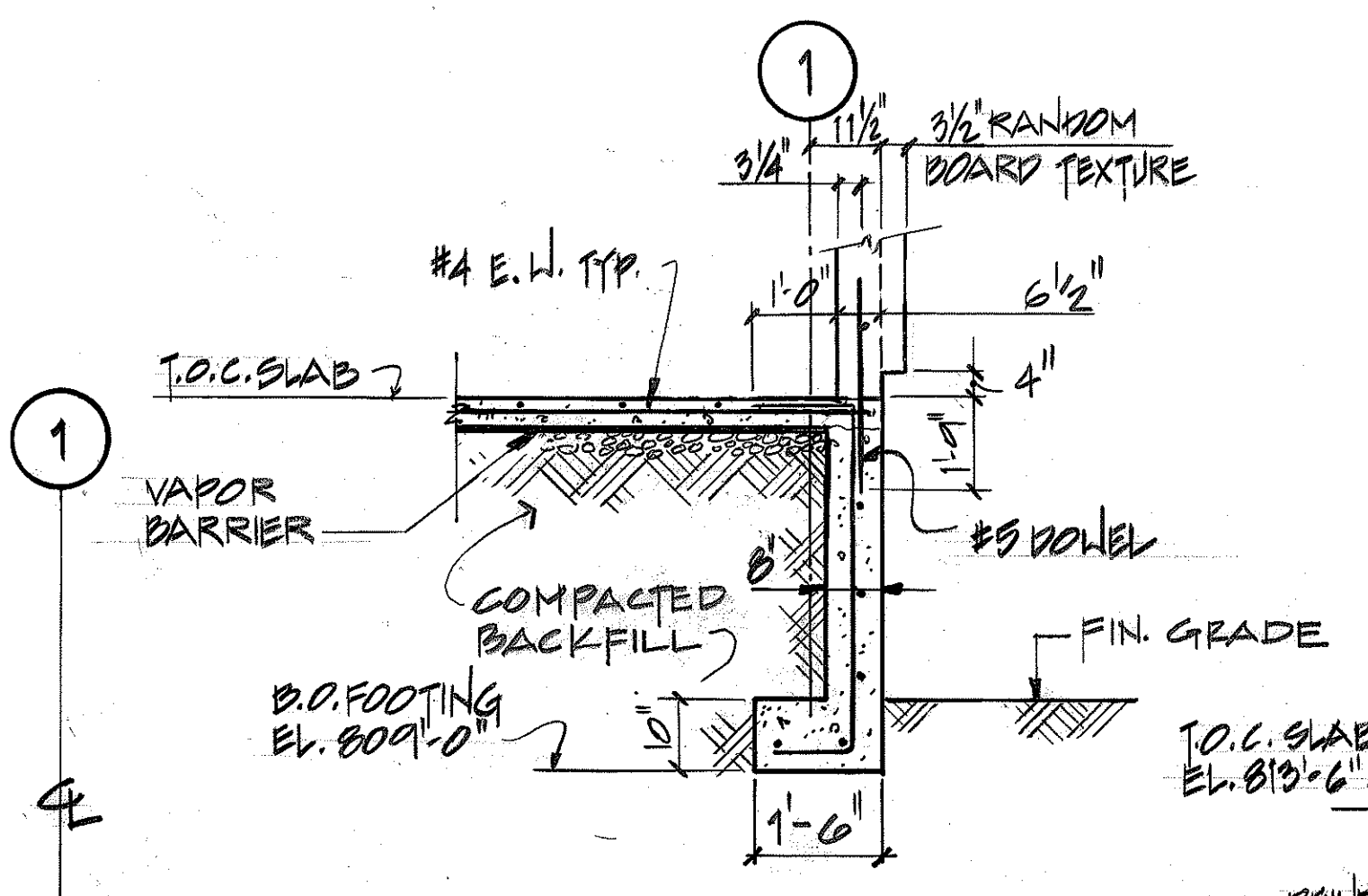
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	428	440

NOTES:
 1. FOR GENERAL NOTES AND STANDARD DETAILS SEE SHT. NO. PB 14
 1. COL. & FOOTING

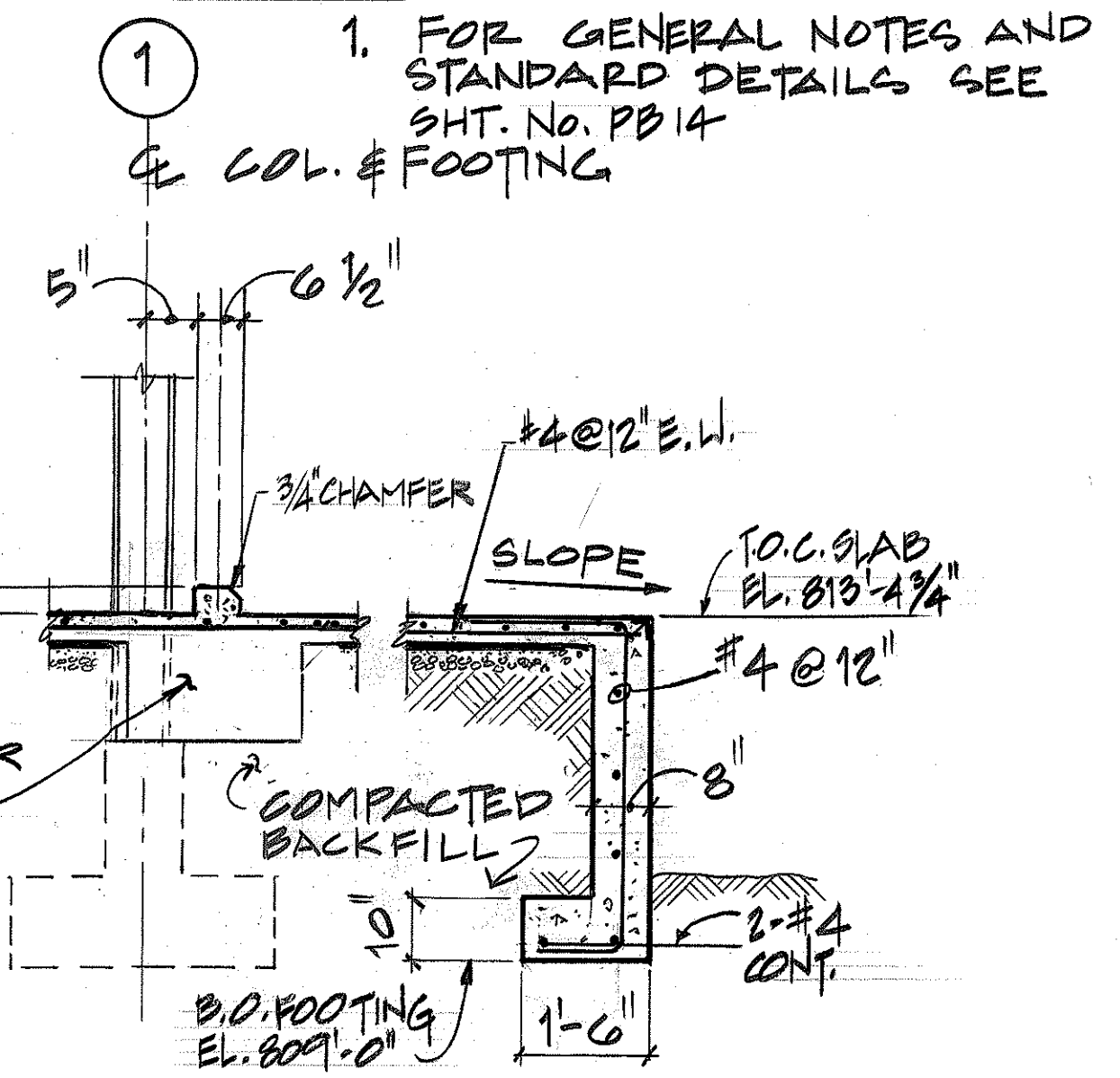


SECTION A
 SCALE: 1/2" = 1'-0"

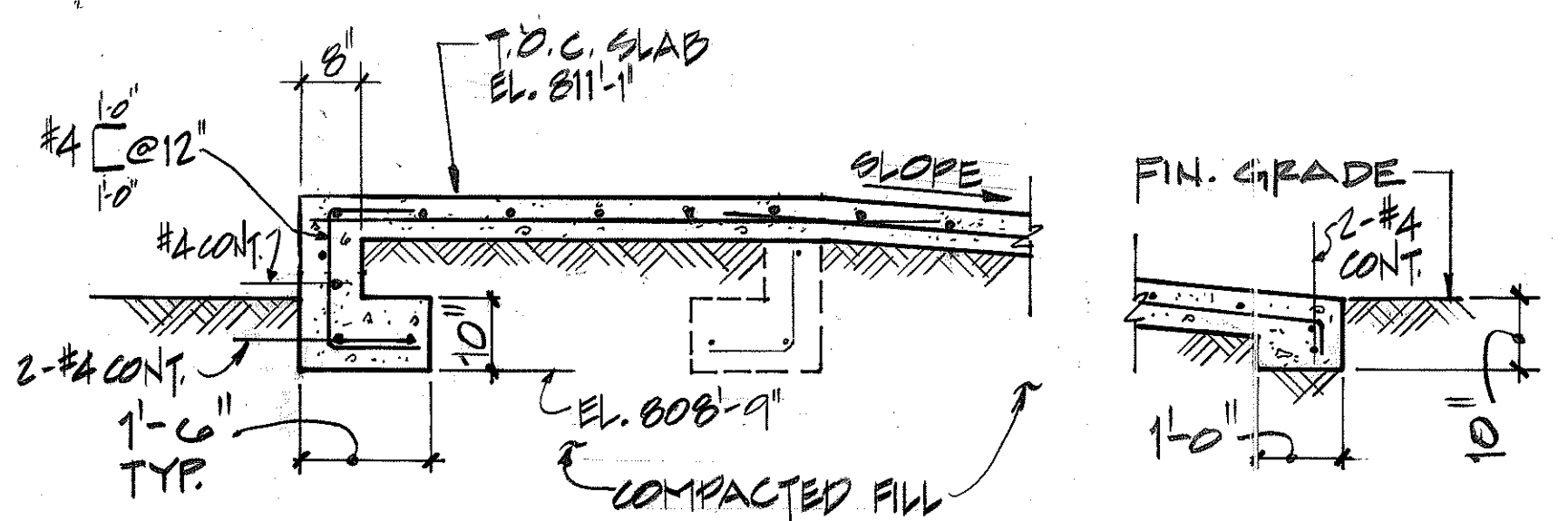
SECTION G
 SCALE: 1/2" = 1'-0"



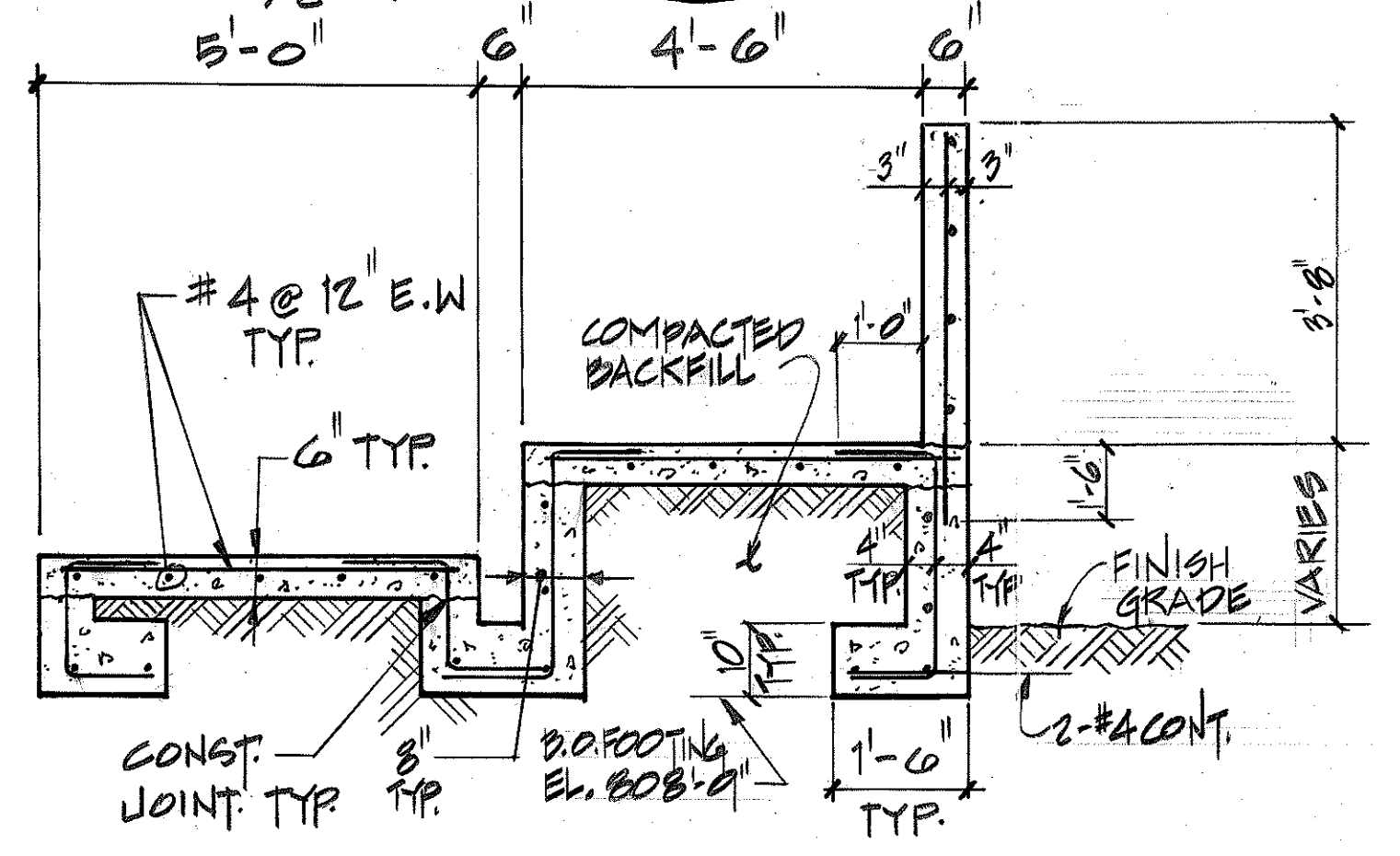
SECTION D
 SCALE: 1/2" = 1'-0"



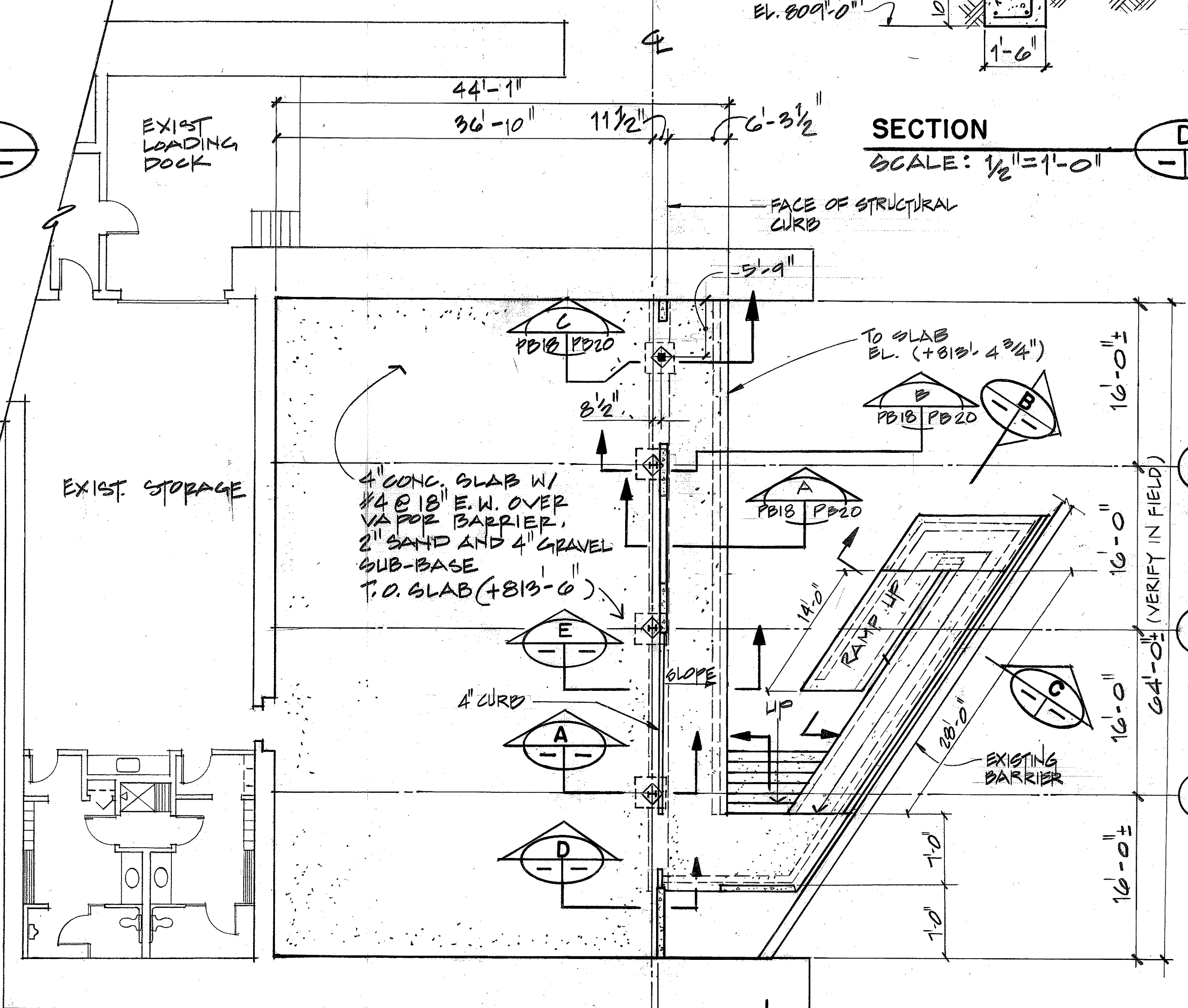
SECTION E
 SCALE: 1/2" = 1'-0"



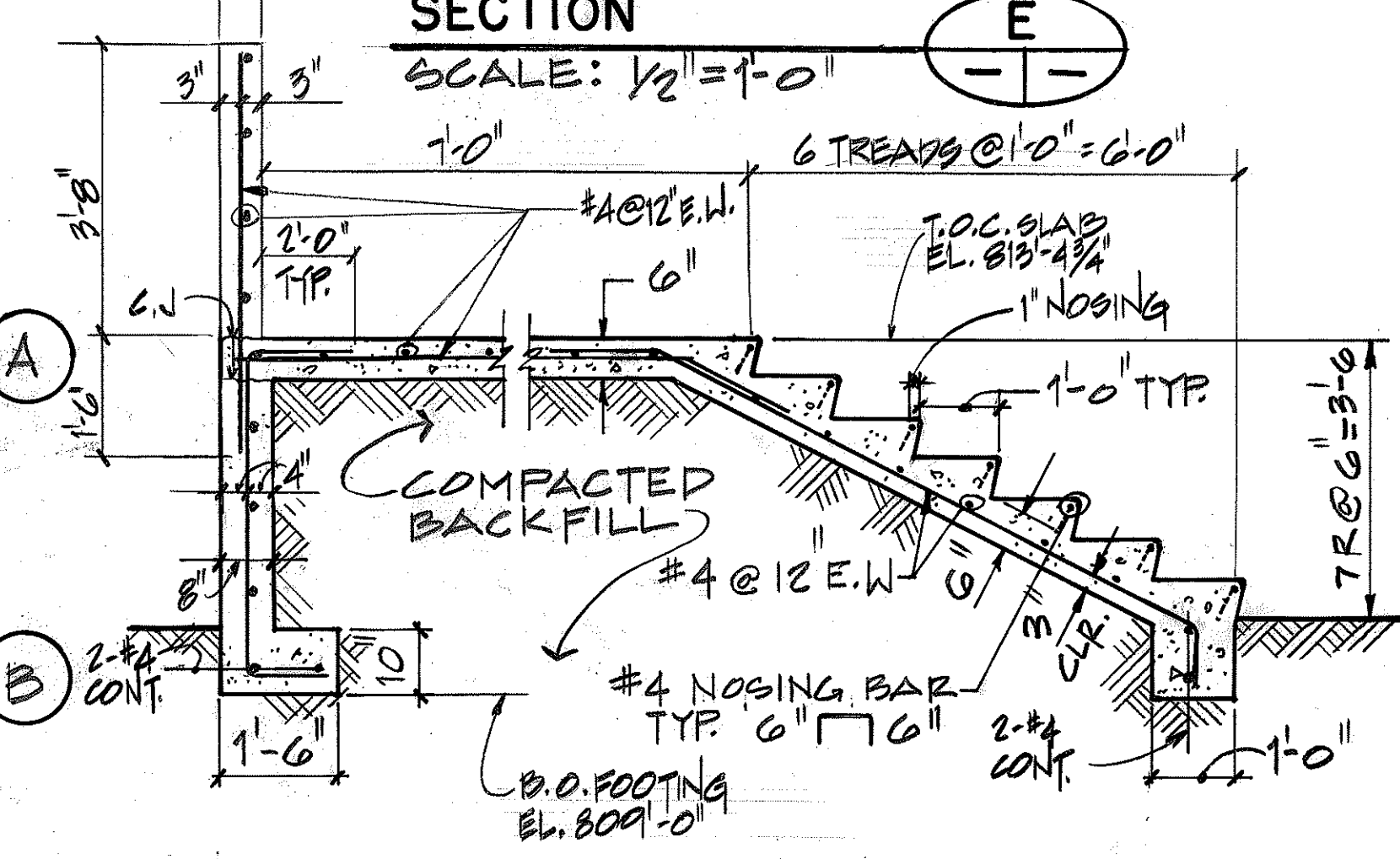
SECTION B
 SCALE: 1/2" = 1'-0"



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

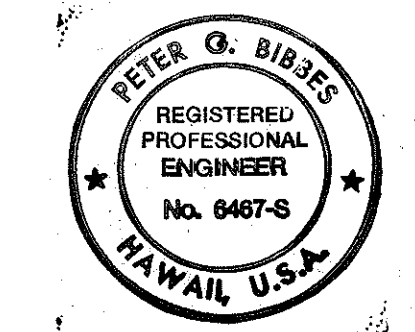
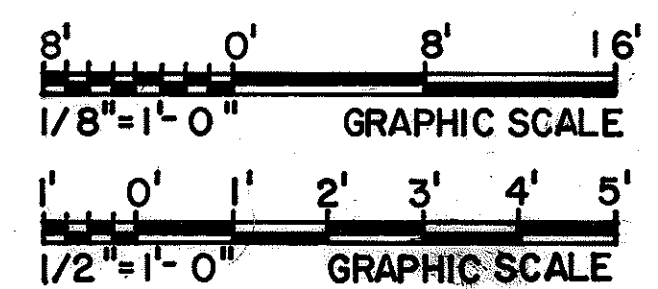


FOUNDATION PLAN
 SCALE: 1/8" = 1'-0"



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

ORIGINAL PLAN
 DATE: 5-20-92
 DRAWN BY: MIKE HONGO
 DESIGNED BY: A. REMO
 CHECKED BY: A. BAKKIOYICH
 NO. 4-11-92



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Peter G. Birkas

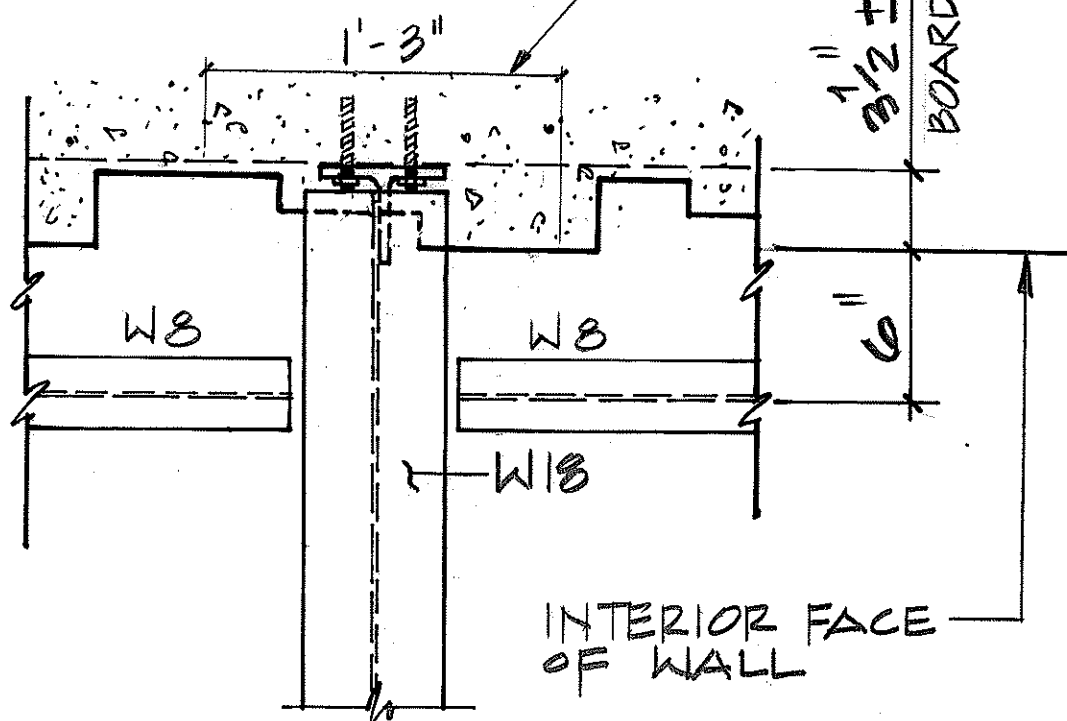
1/22/92	ADDENDUM 1 - GENERAL REVISION
DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
STRUCTURAL FOUNDATION
PLAN & DETAILS - OB
HAIKU O&M FACILITY
 INTERSTATE ROUTE H-3
 F.A.I. PROJ. NO. I-H3-1(66)
 SCALE: AS NOTED DATE: JUN 1992
 SHEET NO. PB18 OF 28 SHEETS

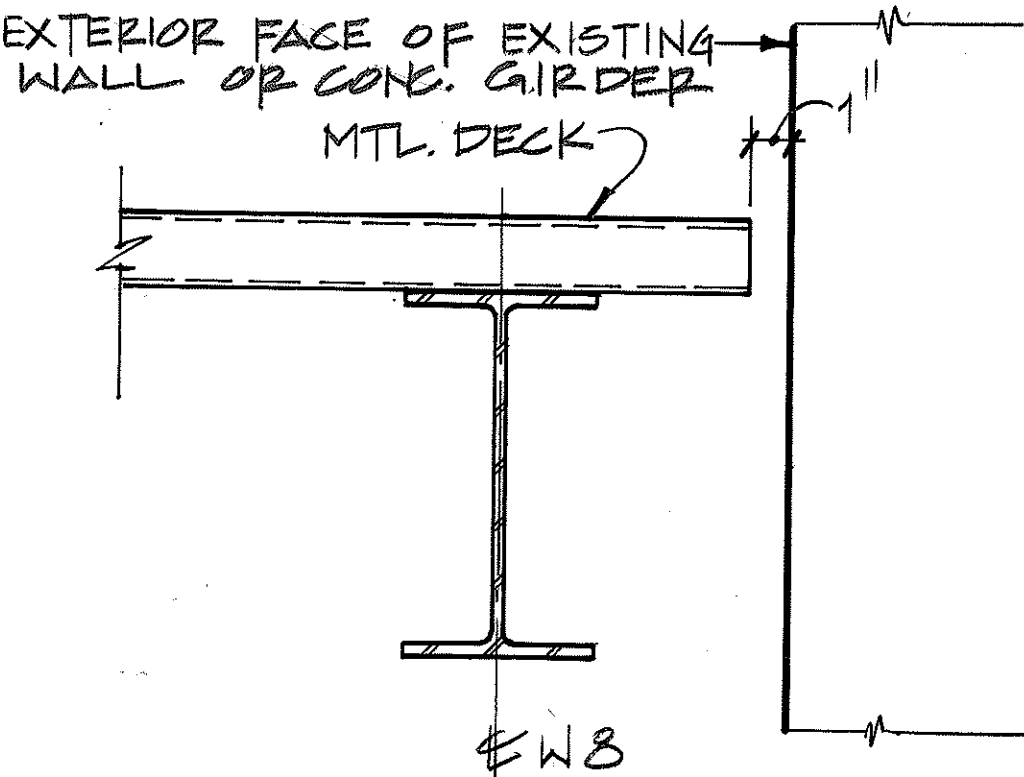
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	429	440



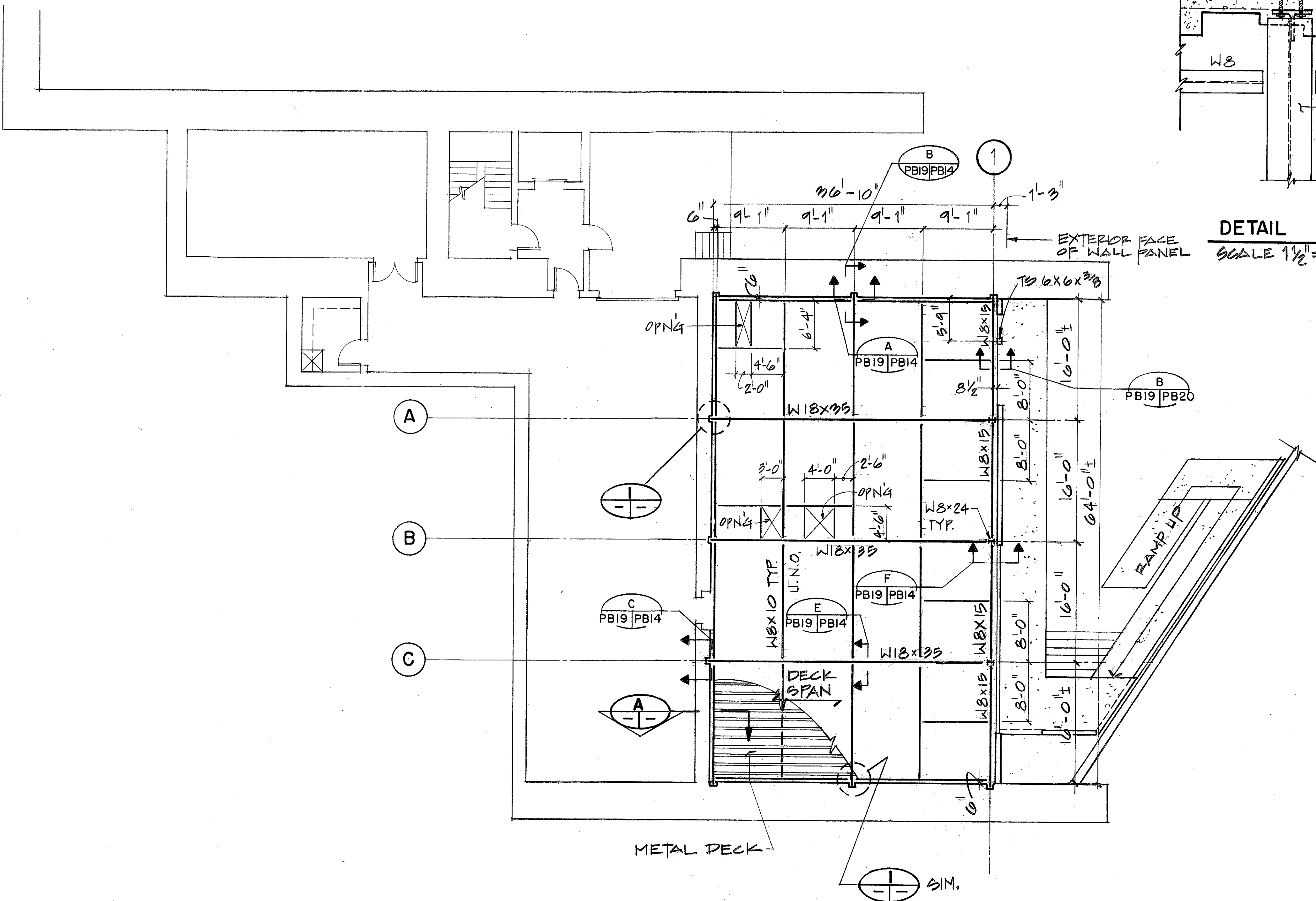
REMOVE 3/2" RANDOM BOARD
TEXTURE CONCRETE TO
PROVIDE SMOOTH VERTICAL
SURFACE FOR WALL PLATE
TO BEAR AGAINST.



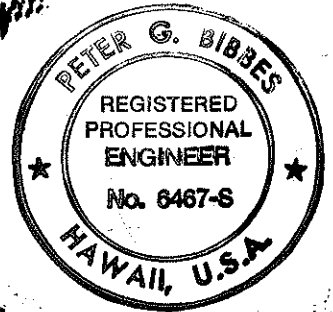
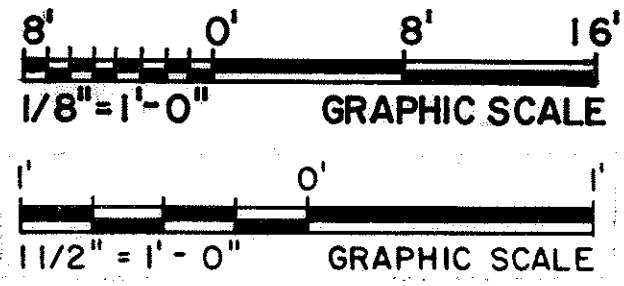
DETAIL
SCALE 1 1/2" = 1'-0"



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



ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



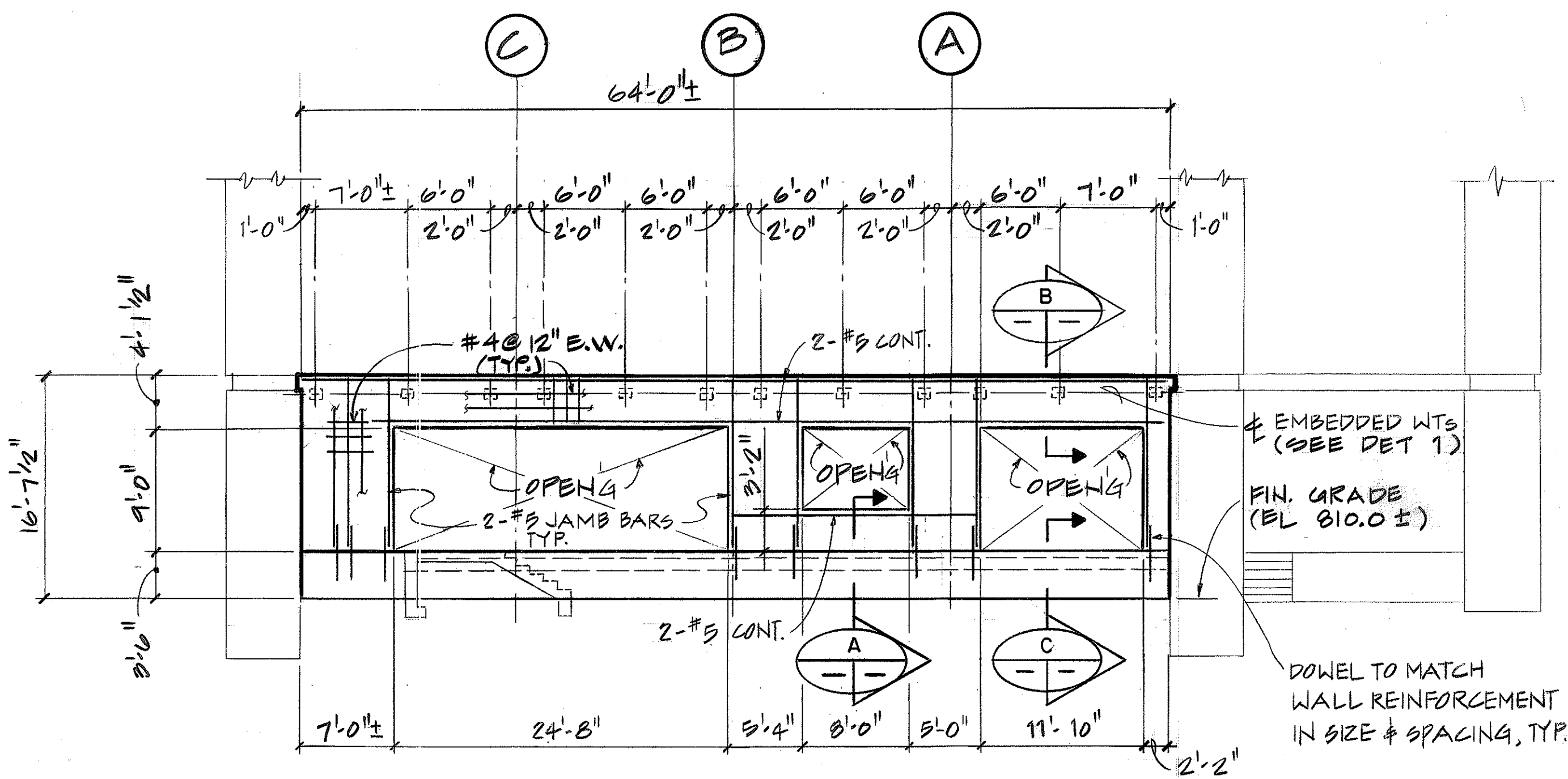
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

- NOTES:
1. FOR GENERAL NOTES AND STANDARD DETAILS SEE SHT. NO. PB 14
 2. TOP OF STEEL ELEVATION (+825'-0") UNLESS NOTED OTHERWISE.
 3. FOR SIZE AND LOCATION OF OPENINGS IN METAL DECK SEE ARCHITECTURAL DRAWINGS.

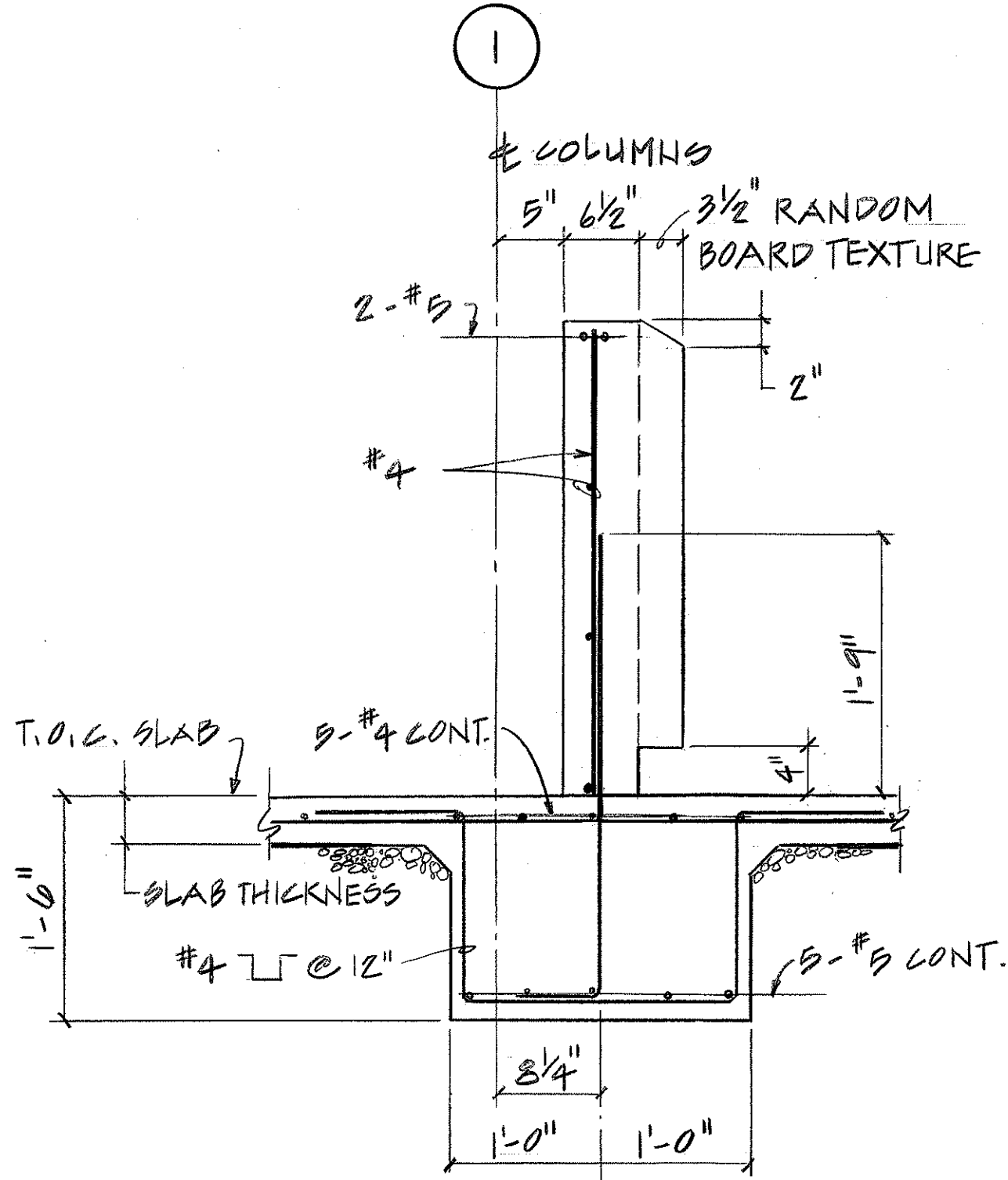
1/22/92	ADDENDUM 1 - GENERAL REVISION
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION STRUCTURAL ROOF FRAMING PLAN & DETAILS-0B HAIKU O&M FACILITY INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (66)	
SCALE: AS NOTED	DATE: JUN 1992
SHEET NO. PB19 OF 28 SHEETS	

ORIGINAL PLAN	DATE
NO.	5-27-92
DESIGNED BY	5-25-92
CHECKED BY	5-25-92
QUANTITIES BY	5-25-92
NOTED BY	5-25-92
DESIGNED BY	5-25-92
CHECKED BY	5-25-92
QUANTITIES BY	5-25-92
NOTED BY	5-25-92

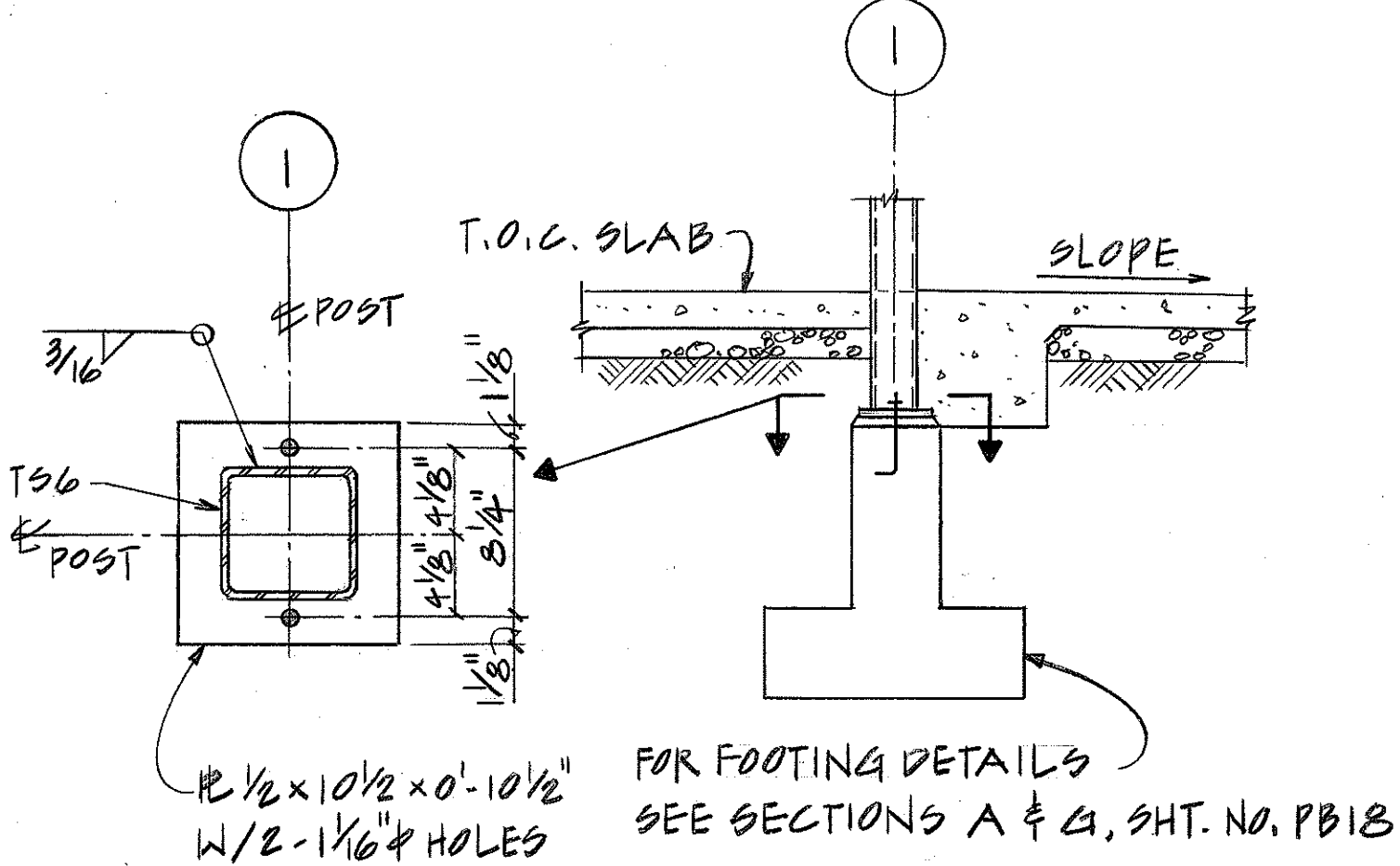
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	430	440



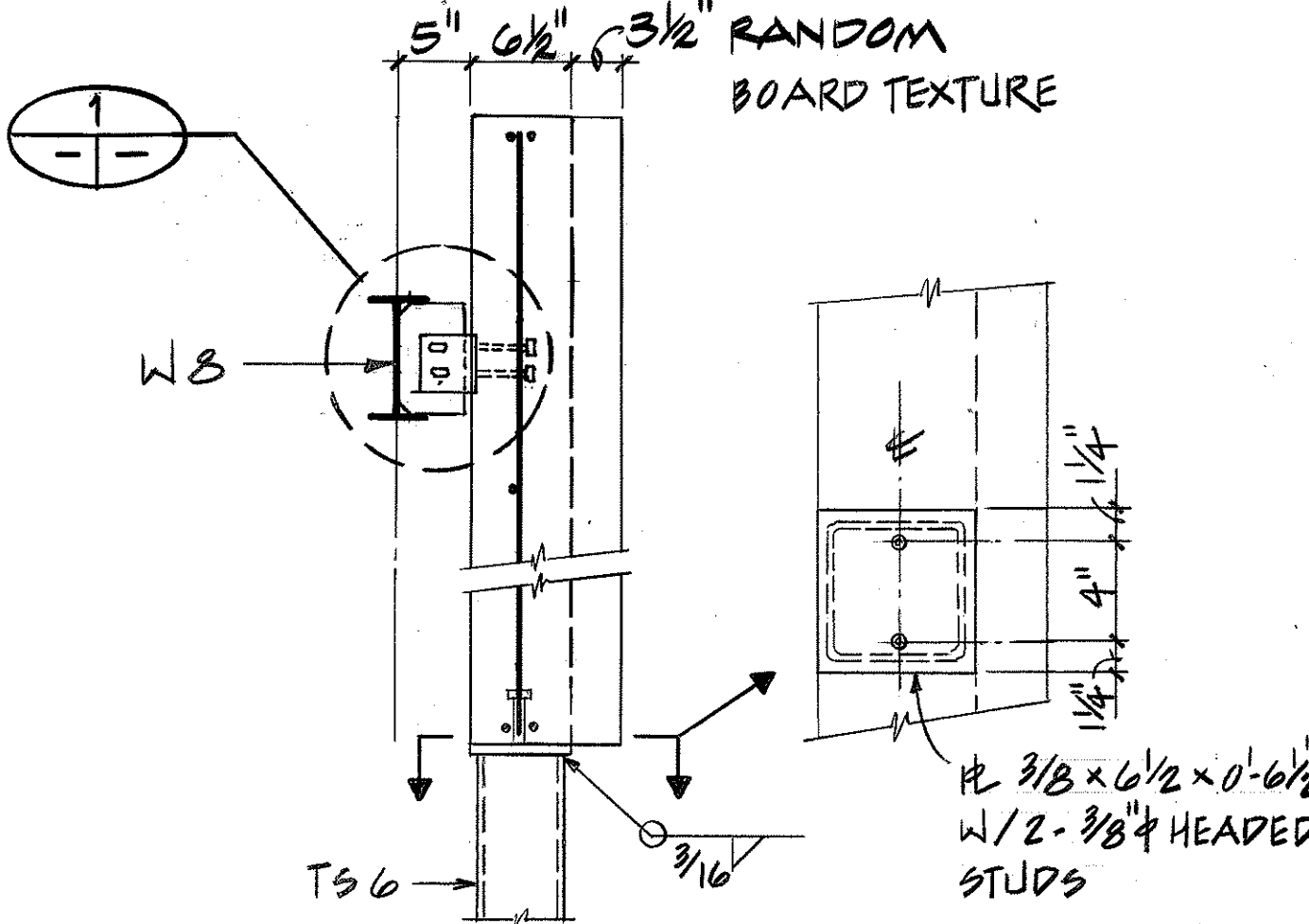
EAST ELEVATION
SCALE: 1/8" = 1'-0"



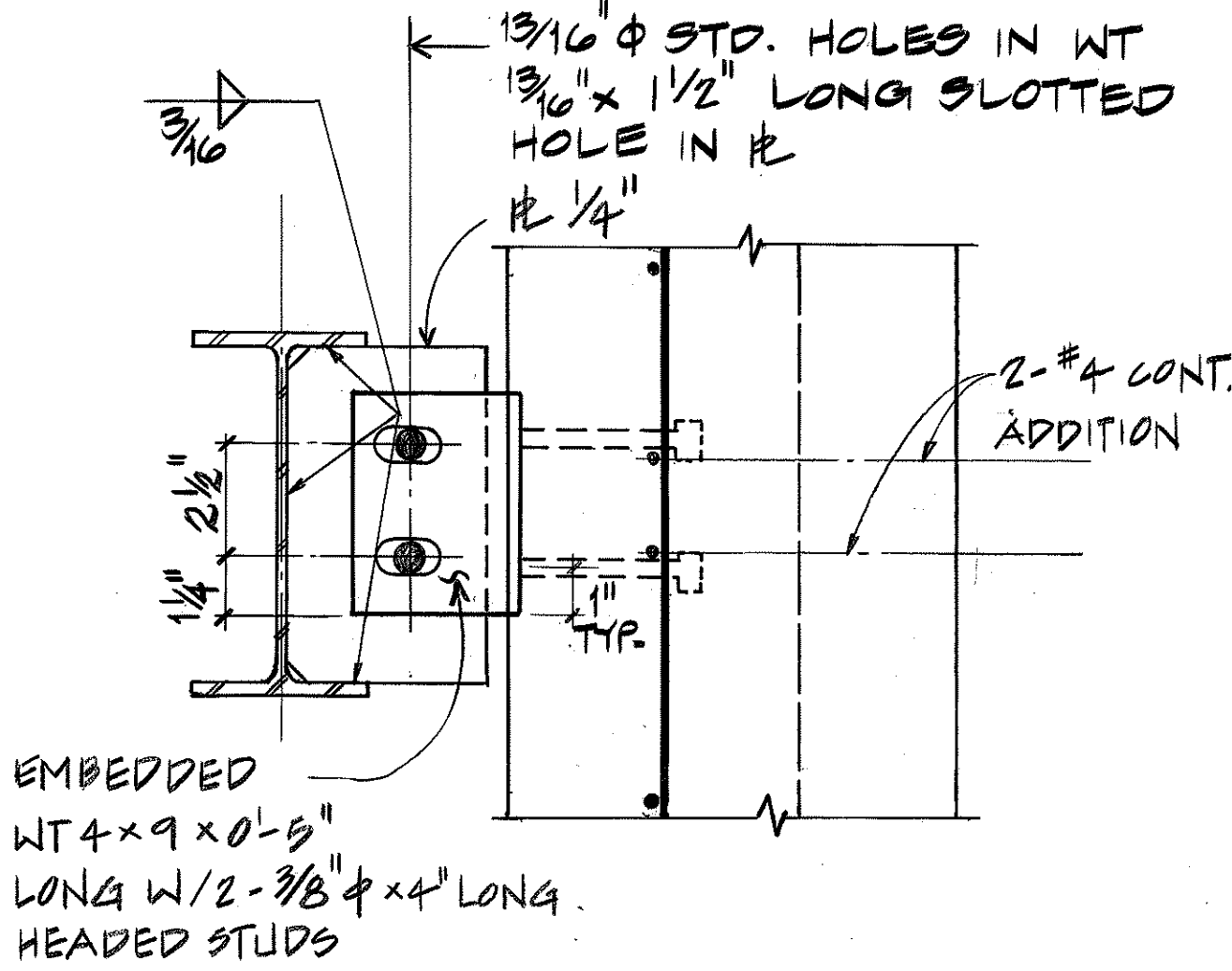
SECTION A
SCALE: 1" = 1'-0"



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

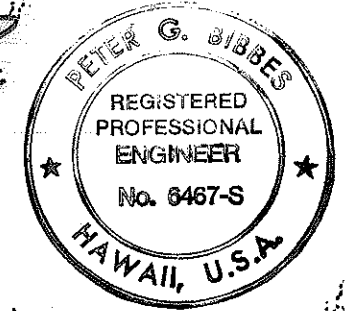
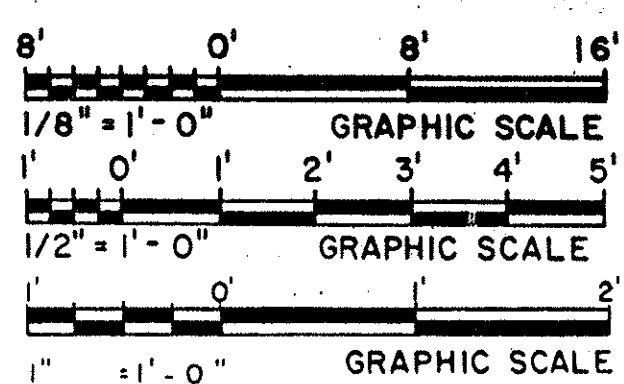


SECTION C
SCALE: 1" = 1'-0"



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

NOTES:
1. FOR GENERAL NOTES AND STANDARD DETAILS SEE SHT. NO. PB 14.



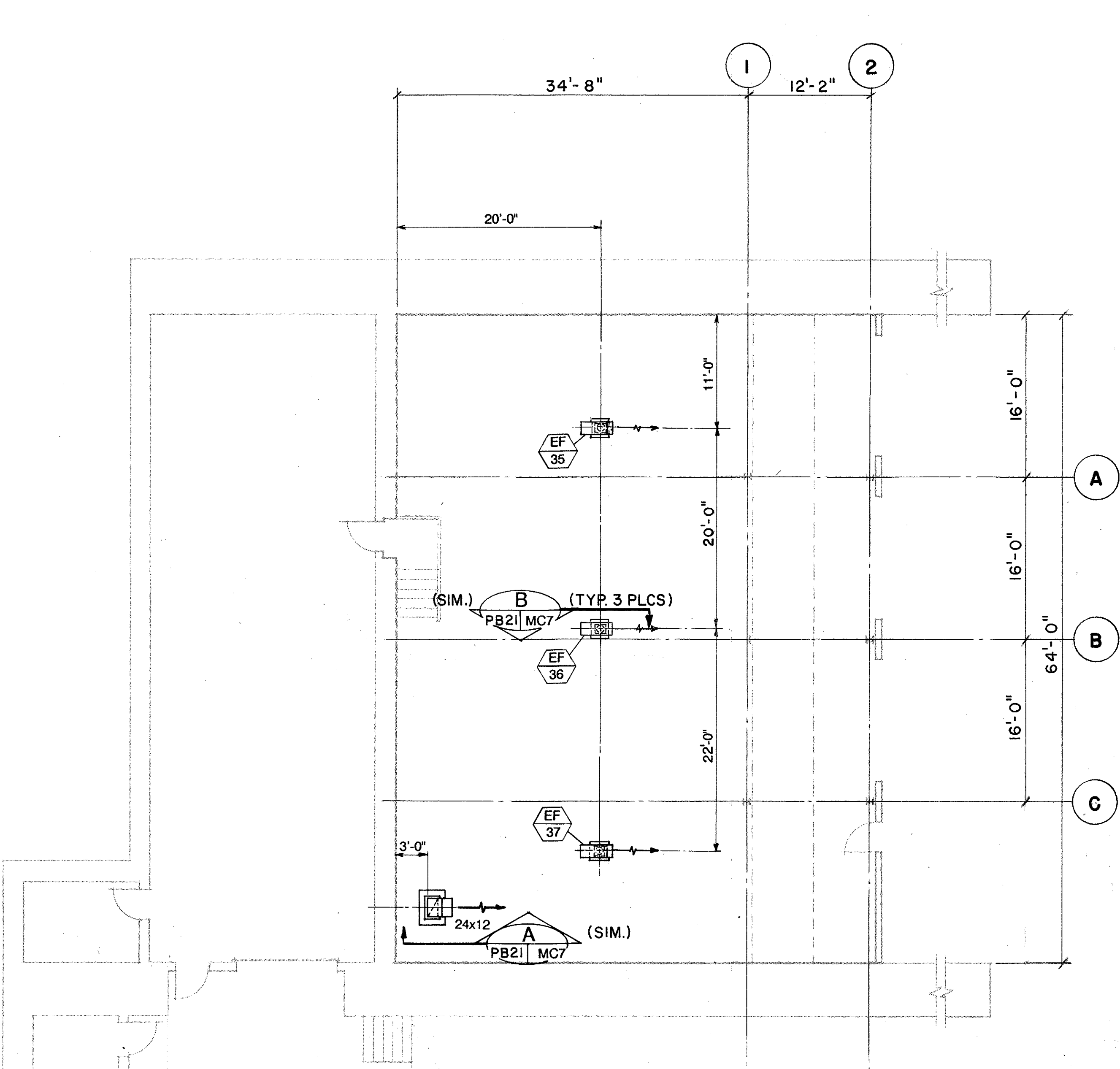
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

1/22/92	ADDENDUM 1 - GENERAL REVISION
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
STRUCTURAL ELEVATION 8	
WALL PANELS - OB	
HAIKU O&M FACILITY	
INTERSTATE ROUTE H-3	
F.A.I. PROJ. NO. I-H3-1(66)	
SCALE: AS NOTED	DATE: JUN 1992
SHEET NO. PB20 OF 28 SHEETS	

SURVEY PLOTTED BY	DATE
DRAWN BY	0-2-92
CHECKED BY	0-2-92
QUANTITIES BY	0-2-92
CHECKED BY	0-2-92

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	431	440

NOTE :
 1. COORDINATE ROOF OPENING SHOWN WITH ARCHITECTURAL AND STRUCTURAL PLANS.



ROOF PLAN

FOR DETAIL AS-BUILT INFORMATION
 REFER TO CONSTRUCTION SUBMITTALS

1/22/92	ADDENDUM 1 - GENERAL REVISION
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION MECHANICAL HVAC - 1B HAIKU O&M FACILITY INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (66) SCALE: 1/8" = 1'-0" DATE: JUN 1992 SHEET NO. PB21 OF 28 SHEETS	

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	D.E. DRYDEN	6/3/92
NO.	D.E. DRYDEN	6/7/92
	K.U. HARRIS	6/9/92

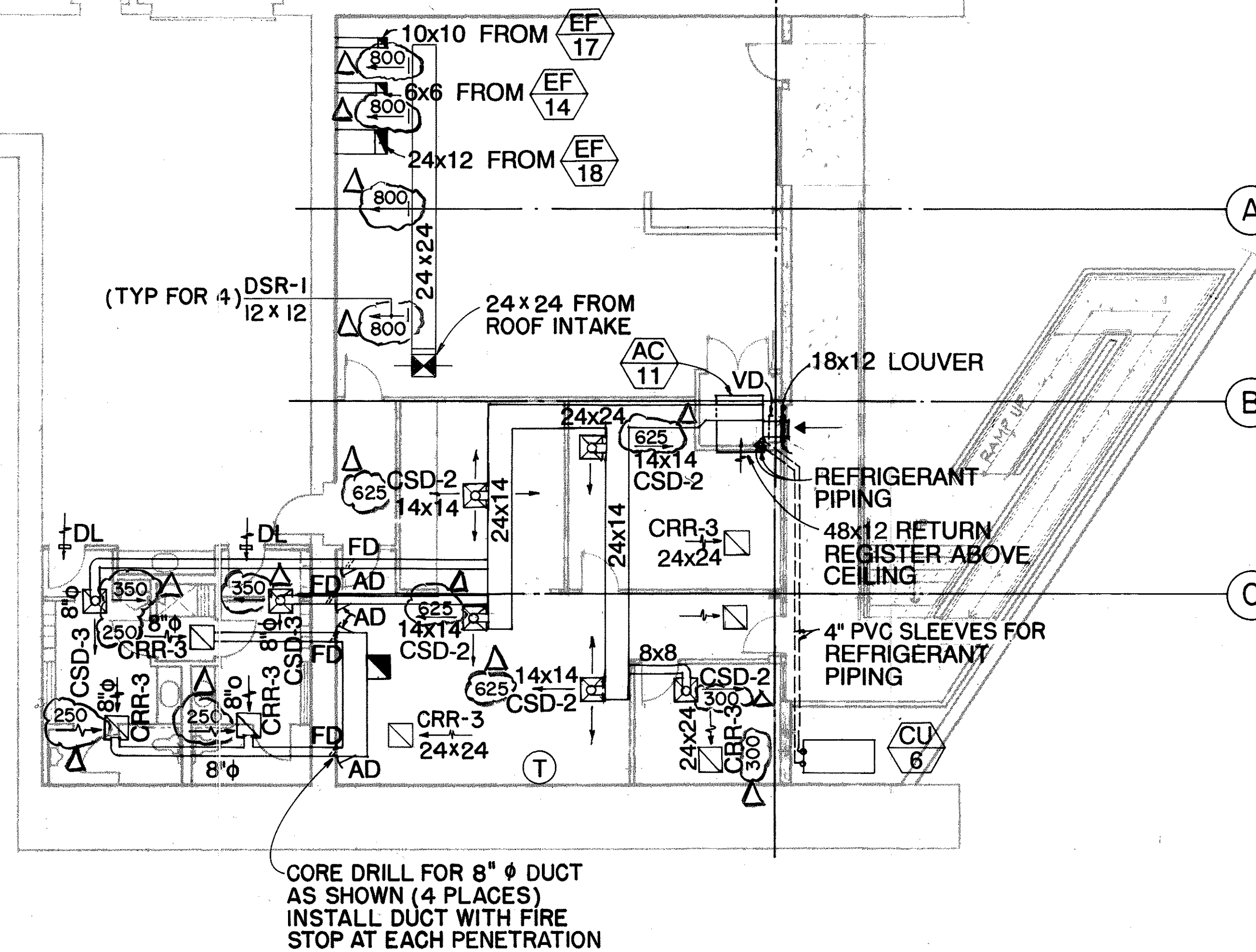


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 OR UNDER MY SUPERVISION
William H. Hansen

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	432	440

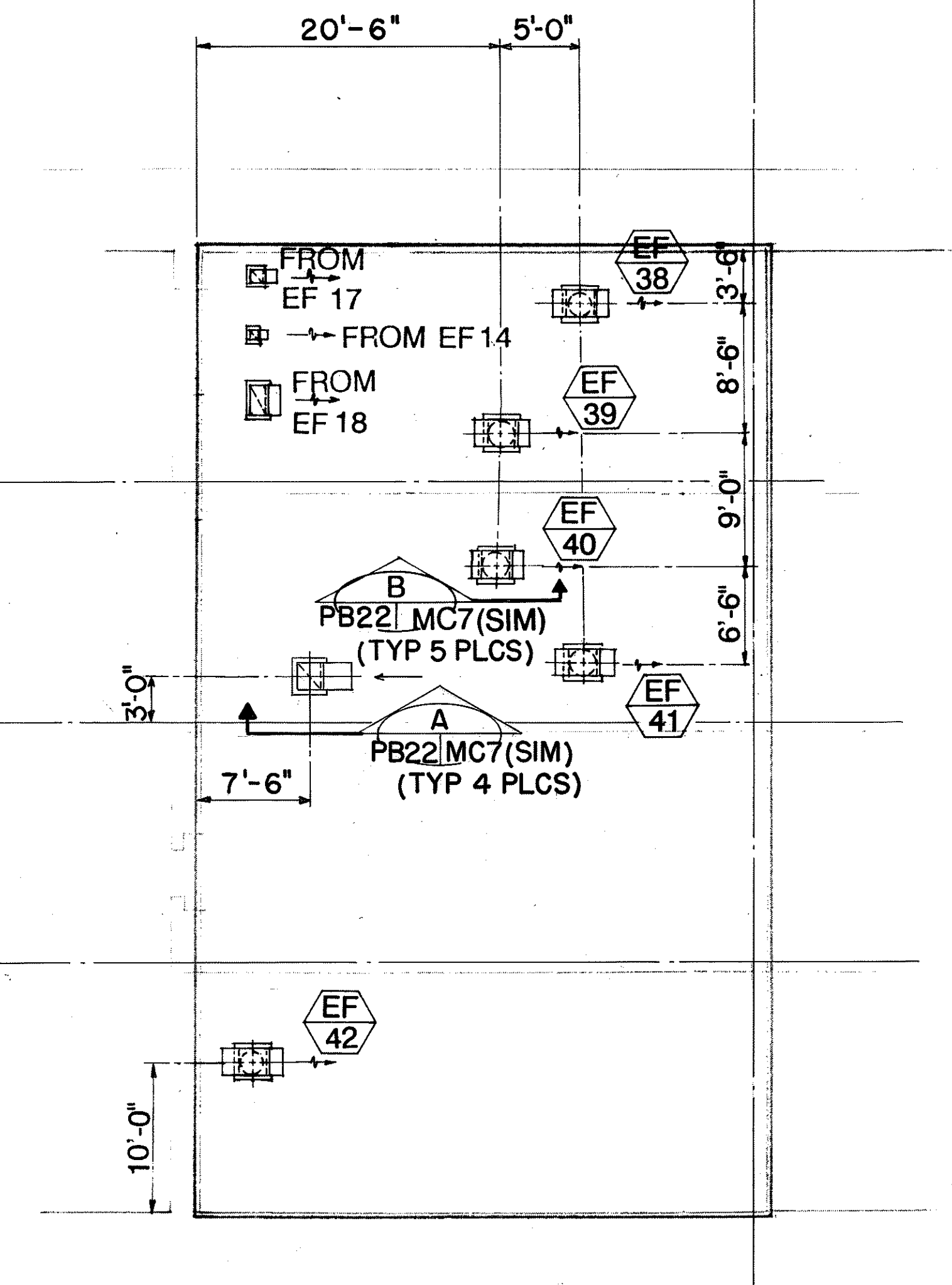
NOTE :

- I. COORDINATE ROOF OPENINGS SHOWN WITH ARCHITECTURAL AND STRUCTURAL PLANS.



PLAN

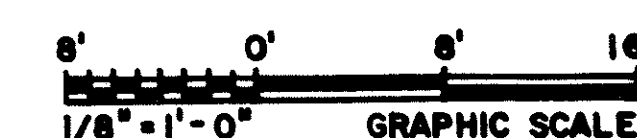
1/8" = 1'-0"



ROOF PLAN

1/8" = 1'-0"

SURVEY PLOTTED BY	E. DRYDEN	DATE	6/3/92
DRAWN BY	D.E. DRYDEN	DATE	6/7/92
DESIGNED BY	D.E. DRYDEN	DATE	6/7/92
QUANTITIES BY	K.J. HARRIS	DATE	6/9/92
CHECKED BY		DATE	
NO.		DATE	

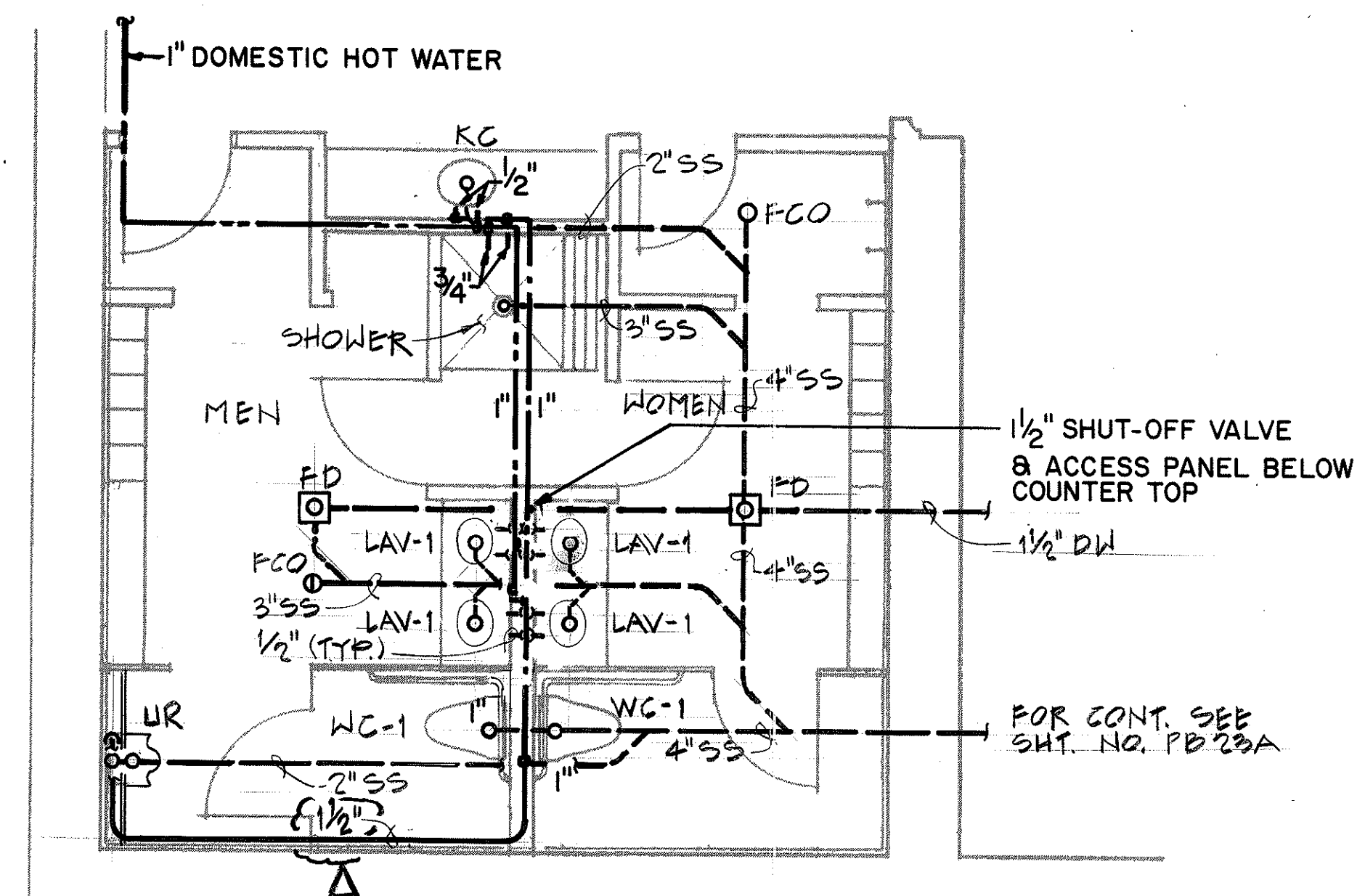


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William H. Hanning

9/20/95	ADDED AIR FLOW QTY'S PER DCN 66-063
1/22/92	ADDENDUM 1 - GENERAL REVISION
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
MECHANICAL HVAC-OB	
HAIKU O&M FACILITY	
INTERSTATE ROUTE H-3	
F.A.I. PROJ. NO. I-H3-1(66)	
SCALE: AS NOTED	DATE: JUN 1992
SHEET NO. PB22 OF 28 SHEETS	

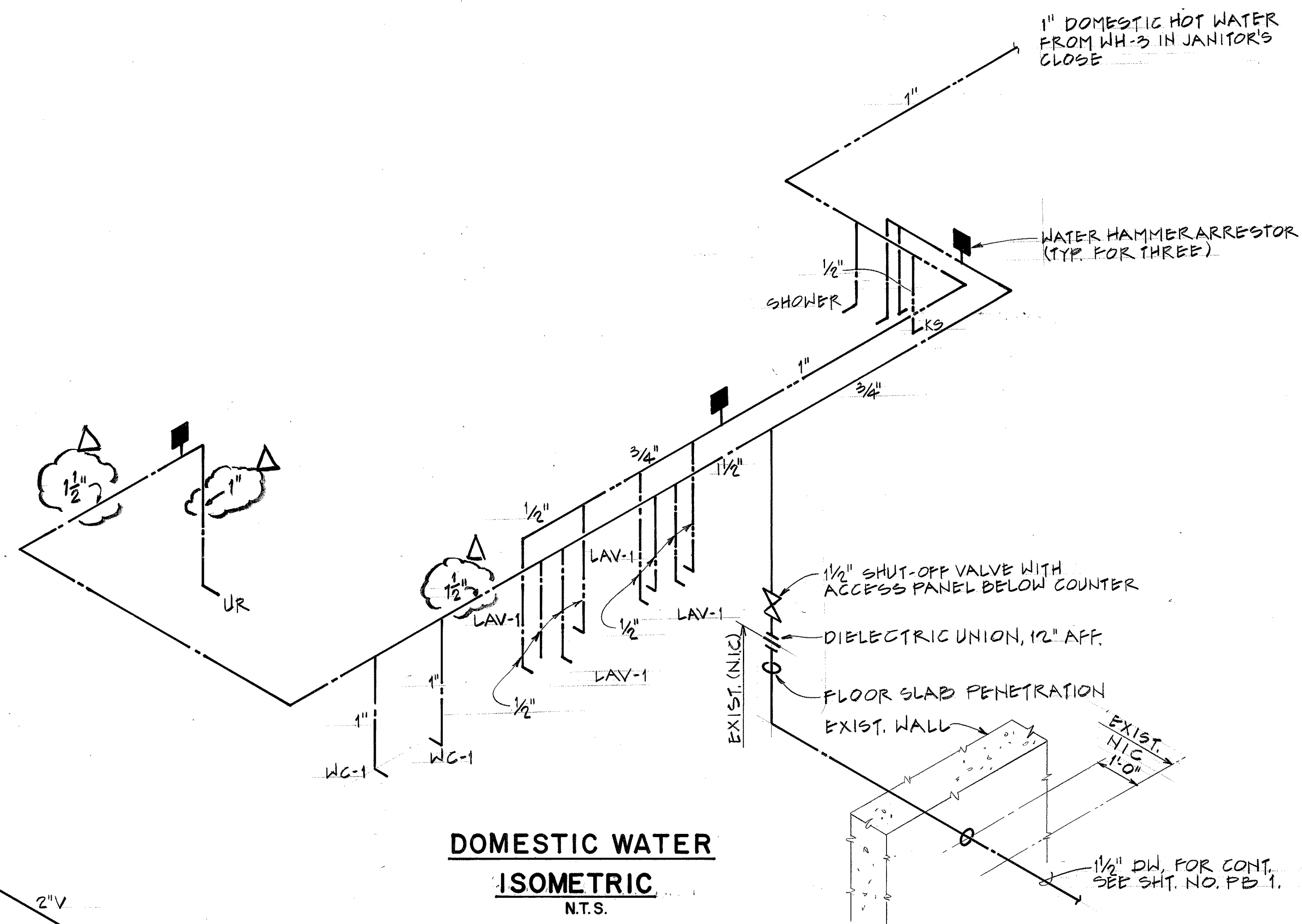
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I - H3 - 1(66)	1992	433	440



NOTE:
FOR CONTRACT LIMITS FOR SEWER (SS) AND DOMESTIC
WATER (DW) SEE RISER DIAGRAMS.

OB TOILET PARTIAL PLAN

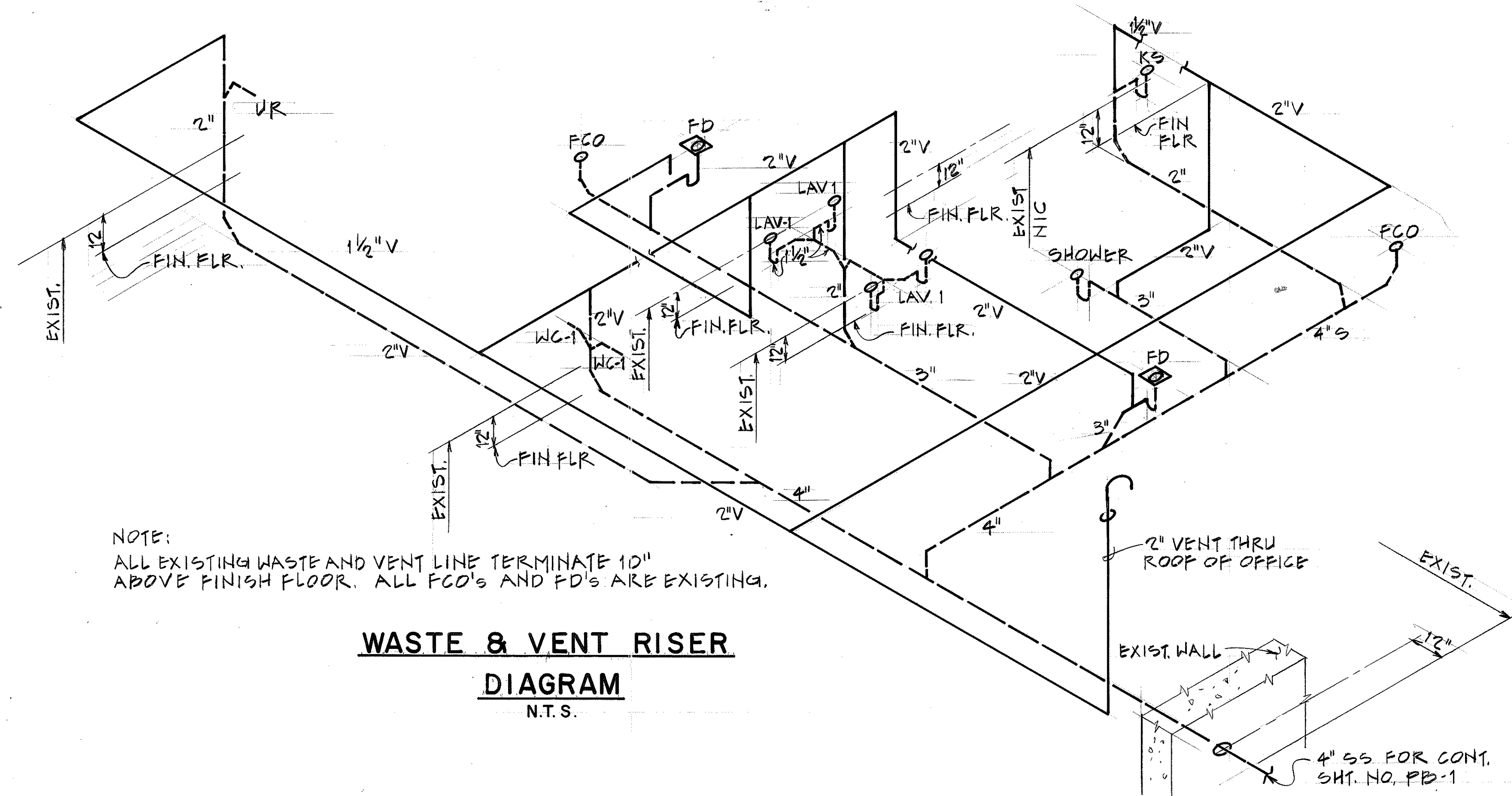
SCALE : 1/4" = 1'-0"



DOMESTIC WATER

ISOMETRIC

N.T.S.



NOTE:
ALL EXISTING WASTE AND VENT LINE TERMINATE 10"
ABOVE FINISH FLOOR. ALL FCO'S AND FD'S ARE EXISTING.

WASTE & VENT RISER

DIAGRAM

N.T.S.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY D. E. DRYDEN	6/3/92
NOTE BOOK	TRACED BY	
	DESIGNED BY D. E. DRYDEN	6/1/92
	QUANTITIES BY	
No. _____	CHECKED BY K. J. HARRIS	6/9/92

3/1/95	REV. PER DCN 66-062
7/22/92	ADDENDUM-1 ADDED RISER DIAGRAMS
DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

MECHANICAL PLUMBING PLAN
& RISER DIAGRAMS

HAIKU O & M FACILITY
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1 (66)

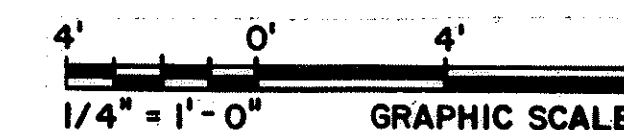
SCALE: AS NOTED
DATE: JUN 1992

SHEET NO. PB23 OF 28 SHEETS



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

William H. Harrison

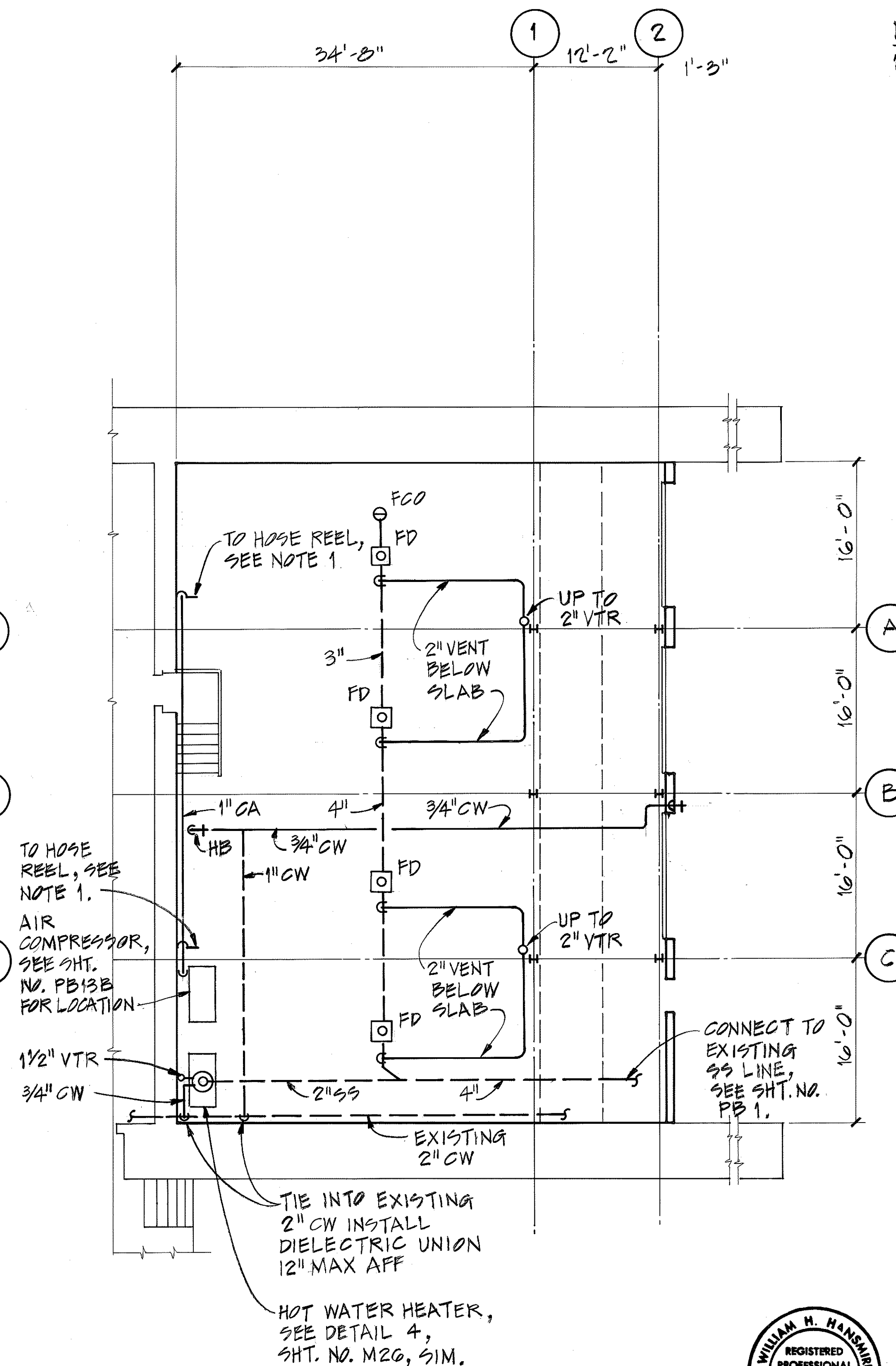
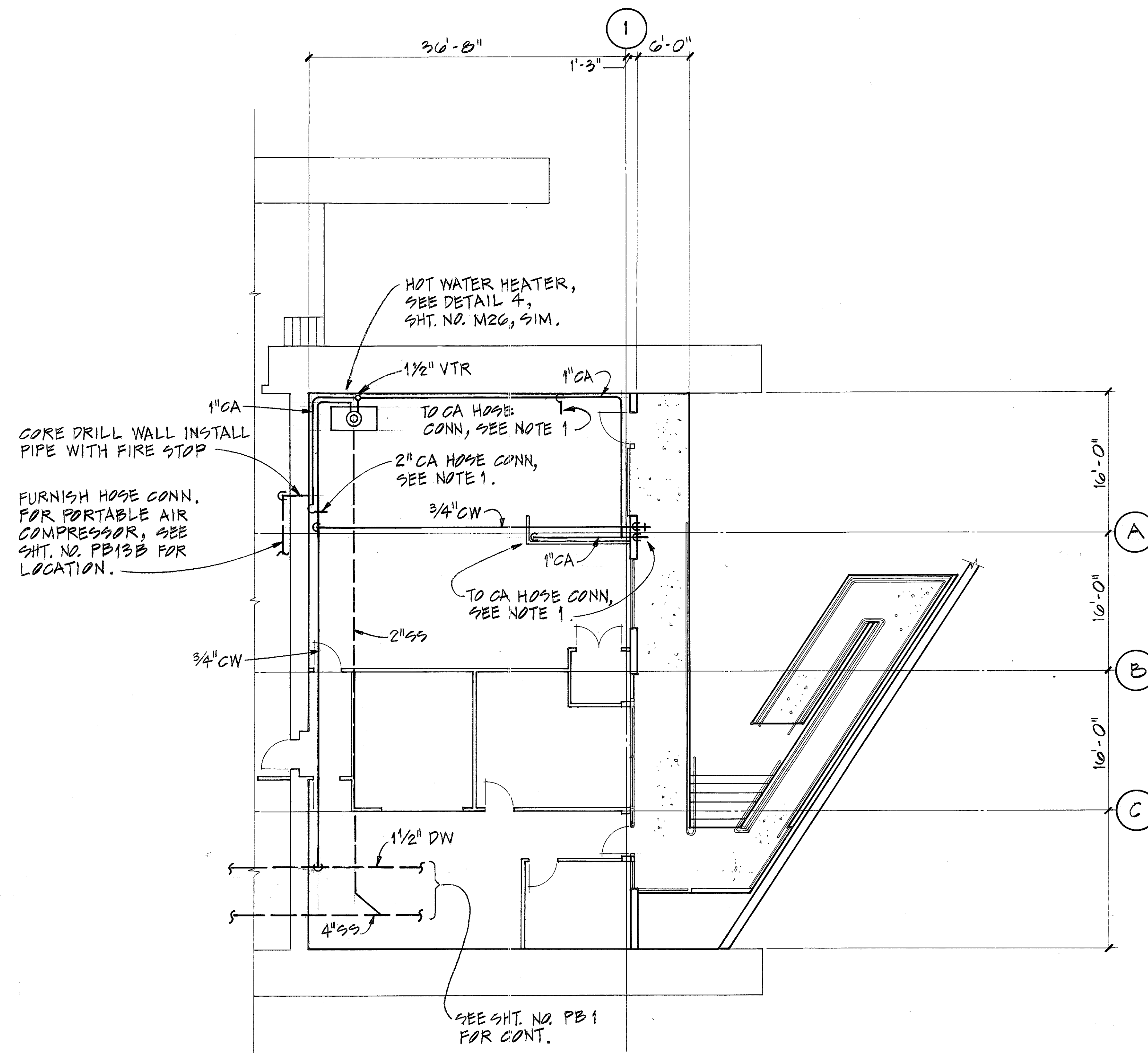


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	433 S-1	440

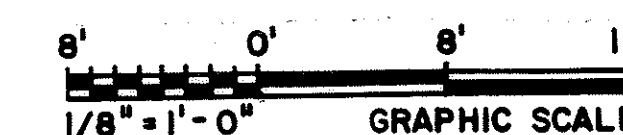


NOTES:

1. FURNISH AIR SHUT-OFF VALVE WITH COUPLING TO MATCH CONNECTION ON HOSE REEL. FOR HOSE REEL LOCATIONS SEE SHT. NO. PB13A AND PB13B.



ORIGINAL PLAN	DATE
DESIGNED BY	4/1/92
TRACED BY	4/1/92
DESIGNED BY	4/1/92
QUANTITIES BY	4/1/92
CHECKED BY	4/1/92



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William H. Hampshire

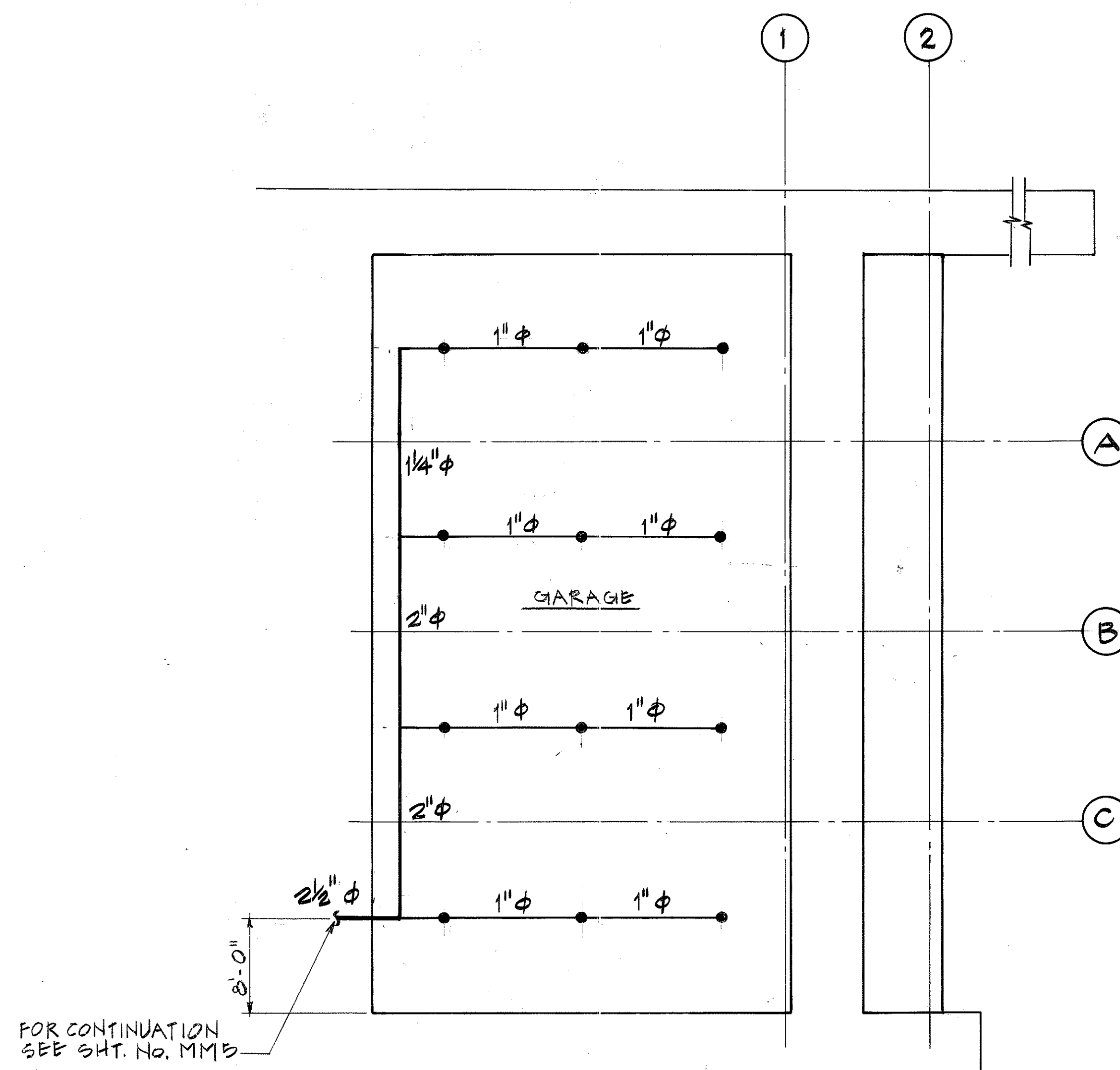
1/22/92	ADDENDUM 1 - ADDED PLAN
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
MECHANICAL PLUMBING PLANS	
HAIKU O & M FACILITY INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (66)	
SCALE: 1/8" = 1'-0"	DATE: JUL 1992
SHEET NO. PB23A OF 28 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	434	440

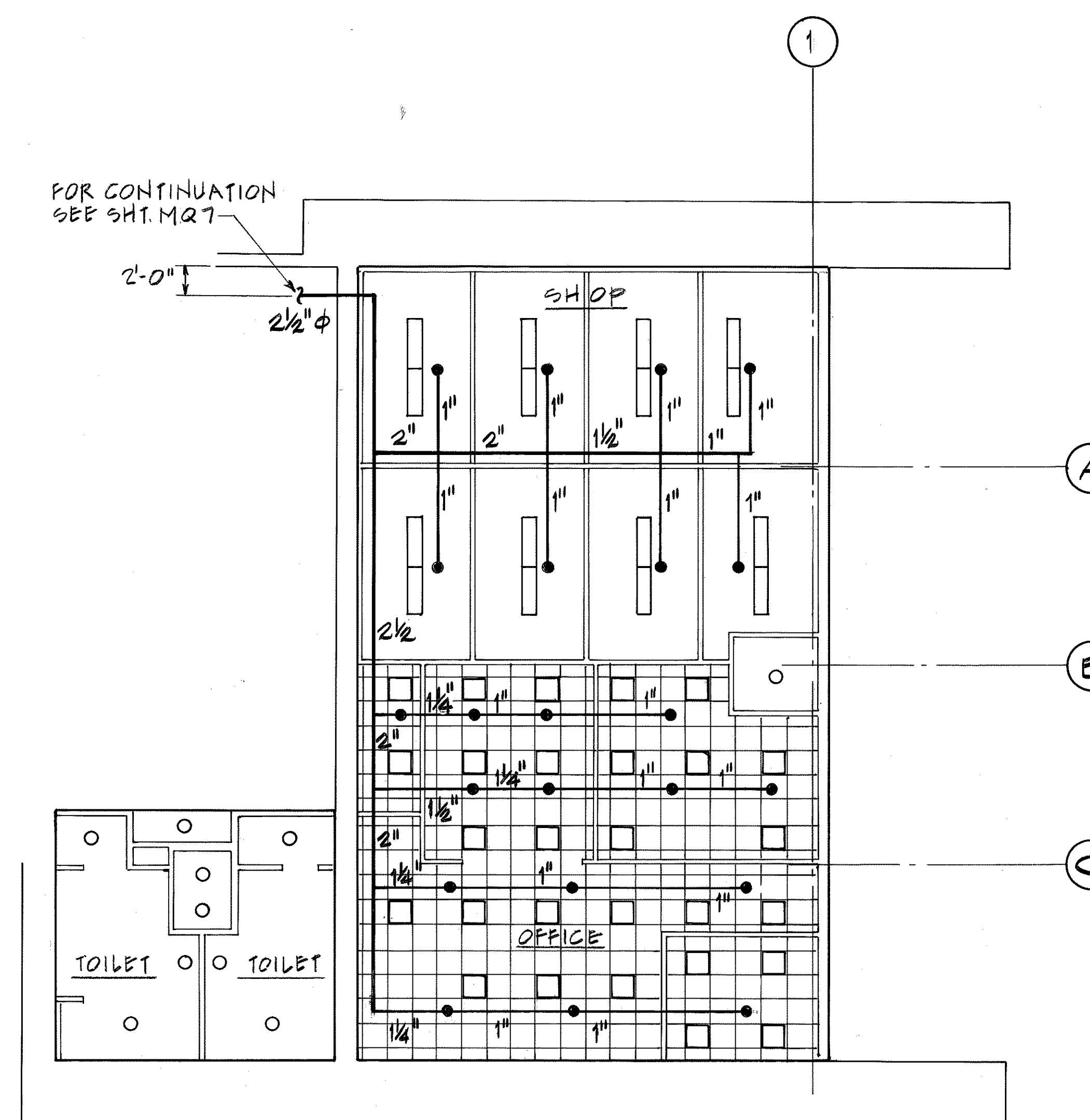
434 440

NOTES:

1. INSTALLATION OF AUTOMATIC SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13.
2. ALL SPRINKLERS ARE PENDANT TYPE. SPRINKLERS IN SHOP AREA SHALL HAVE GUARDS. SPRINKLER IN OFFICE SHALL HAVE COVERS. COLOR OF COVER SHALL MATCH CEILING IN EACH ROOM.

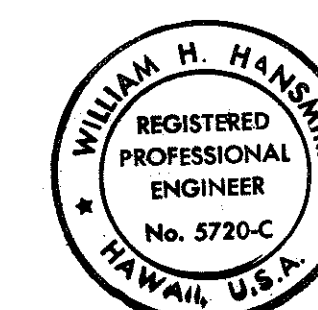
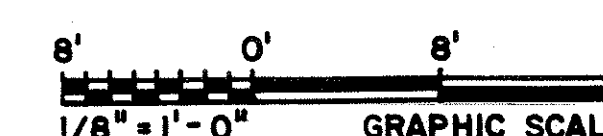


IB PLAN



OB PLAN

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	D.E. DRYDEN	6/3/92
No.	DESIGNED BY	6/1/92
	QUANTITIES BY	6/9/92
	CHECKED BY	



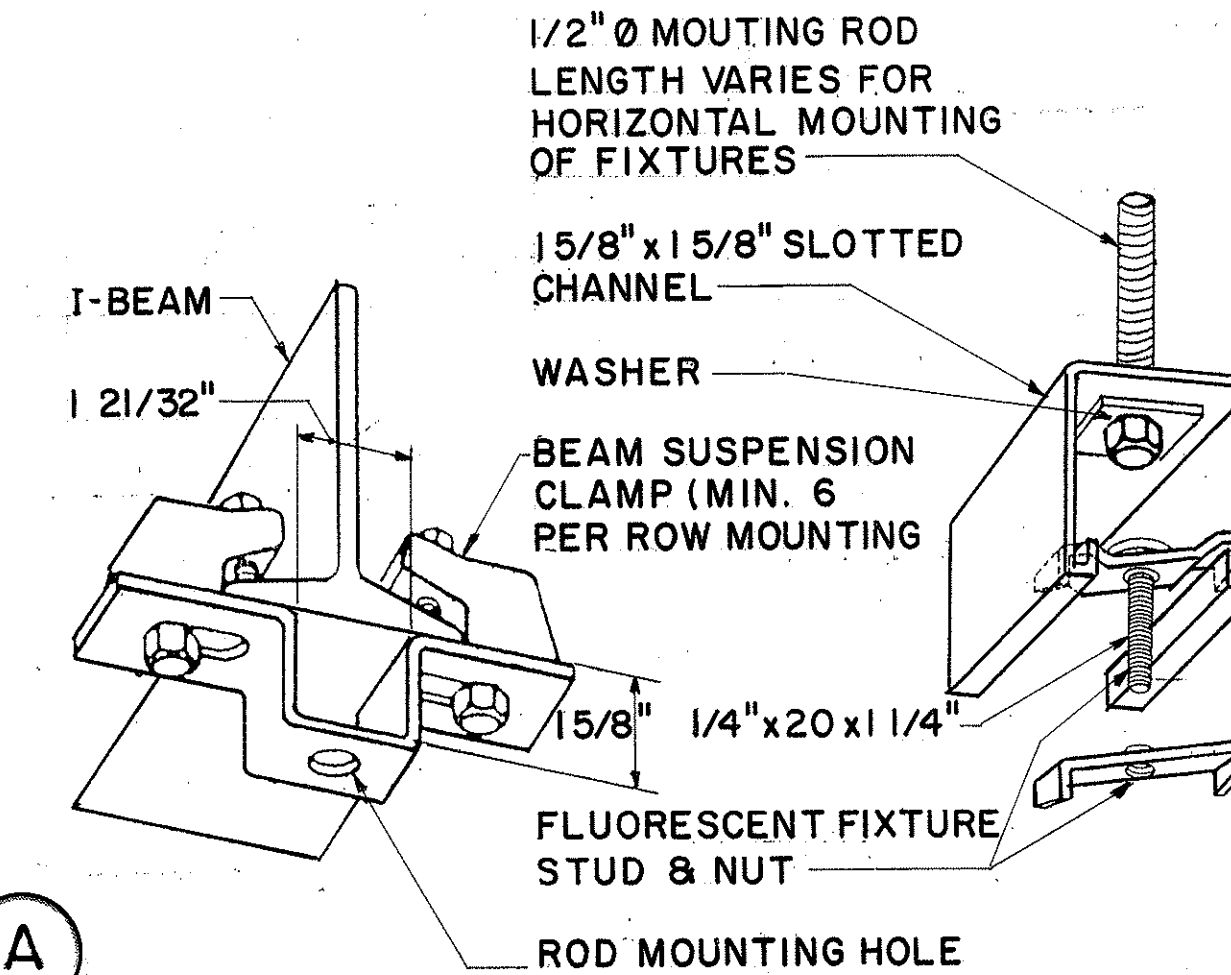
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
William H. Hansure

7/22/92	ADDENDUM 1 - GENERAL REVISION
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION MECHANICAL FIRE PROTECTION PLANS - IB & OB HAIKU O&M FACILITY INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (66) SCALE: 1/8" = 1'-0" DATE: JUN 1992 SHEET NO. PB24 OF 28 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	435	440

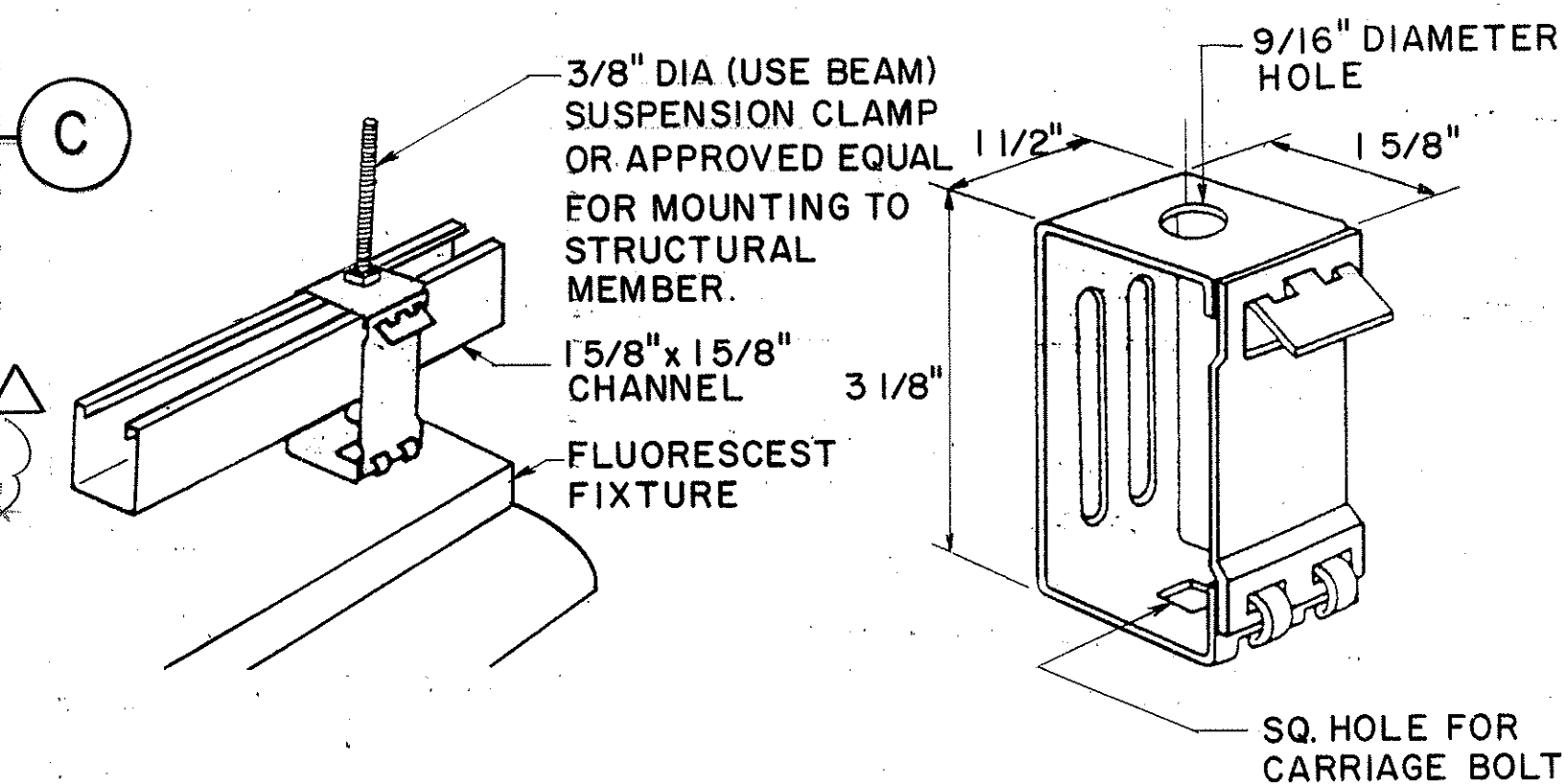
NOTES:

- EXISTING 2" CONDUIT INTENDED FOR P66 SHALL BE USED FOR NEW FEEDER CONDUCTORS TO FEED NEW PANEL FOR GARAGE. RECONNECT P66 TO NEW PANEL. SEE SHEET NO. EM2 FOR FEED SIZE.
- INSTALL CONDUIT BELOW EXISTING BRIDGE GIRDER.
- SELF-CONTAINED BATTERY POWER PACK FLUORESCENT LIGHT FIXTURE. SEE SCHEMATIC DIAGRAM THIS PLAN.
- PROVIDE INSULATED GROUND WIRE PER BRANCH CIRCUIT.
- RUN FIRE ALARM WIRING THROUGH EXISTING CONDUIT UP TO (E) FACP AT LEVEL 2.
- RUN 1" CONDUIT UP TO LEVEL 2. CONDUIT TO (E) TELEPHONE CABINET NEC 2.0. CORE DRILL AT GRID 5-B.



MOUNTING DETAIL FOR CONTINUOUS ROW FLUORESCENT FIXTURES

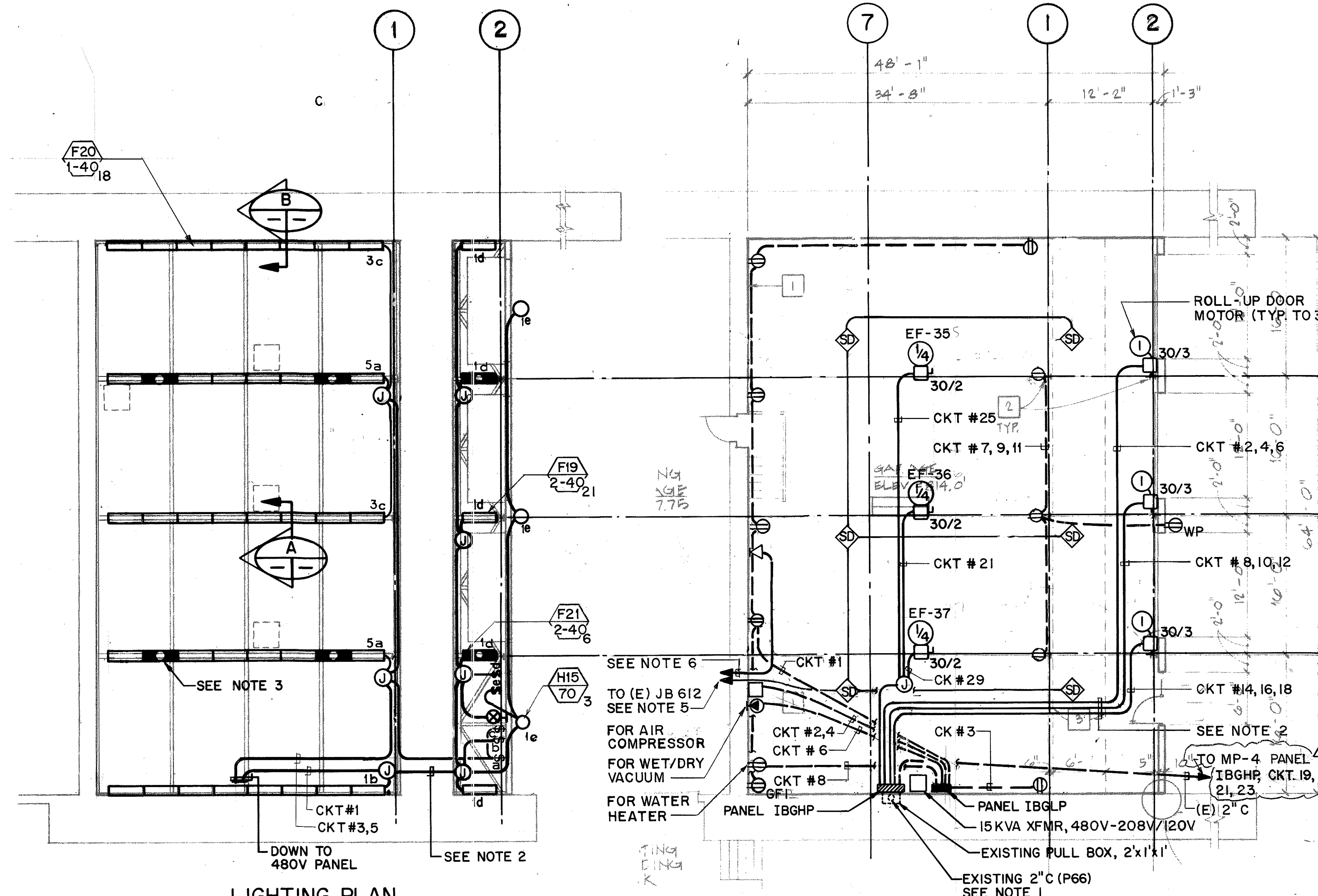
N.T.S.



PENDANT MOUNTING DETAIL FOR FLUORESCENT FIXTURES

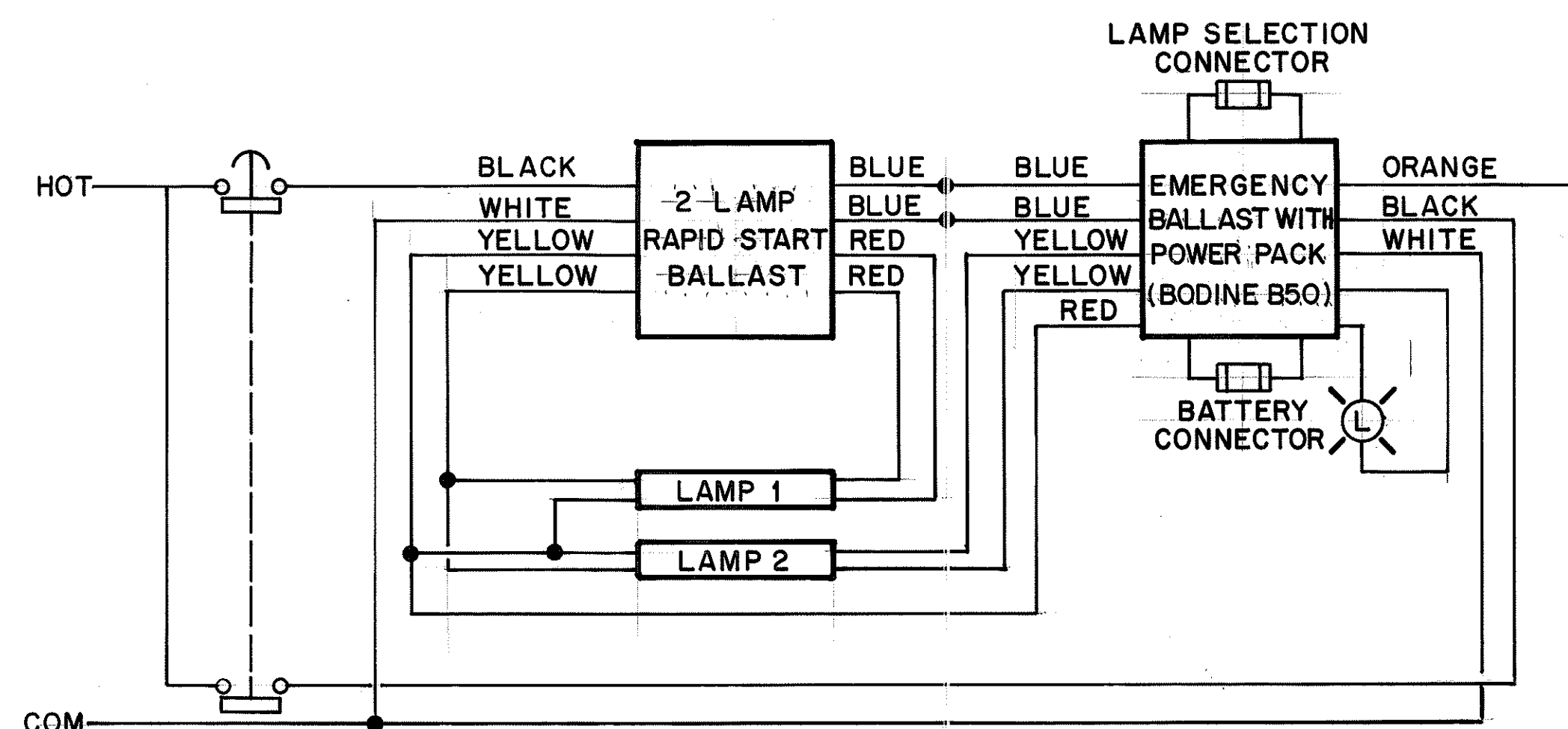
N.T.S.

FOR DETAIL AS-BUILT INFORMATION REFER TO CONSTRUCTION SUBMITTALS

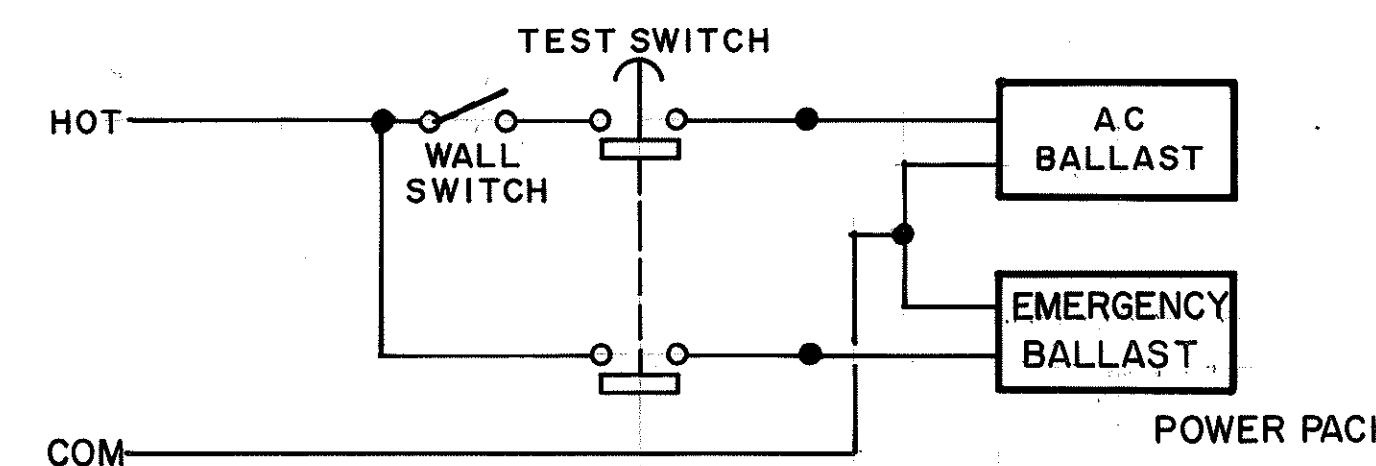


POWER, TELEPHONE & FIRE ALARM PLAN

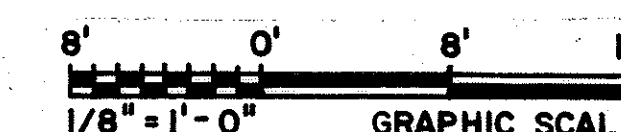
LIGHTING PLAN



SCHEMATIC DIAGRAM - EMERGENCY POWER PACK FLUORESCENT FIXTURE



BLOCK DIAGRAM - SWITCH FIXTURE WITH EMERGENCY POWER PACK



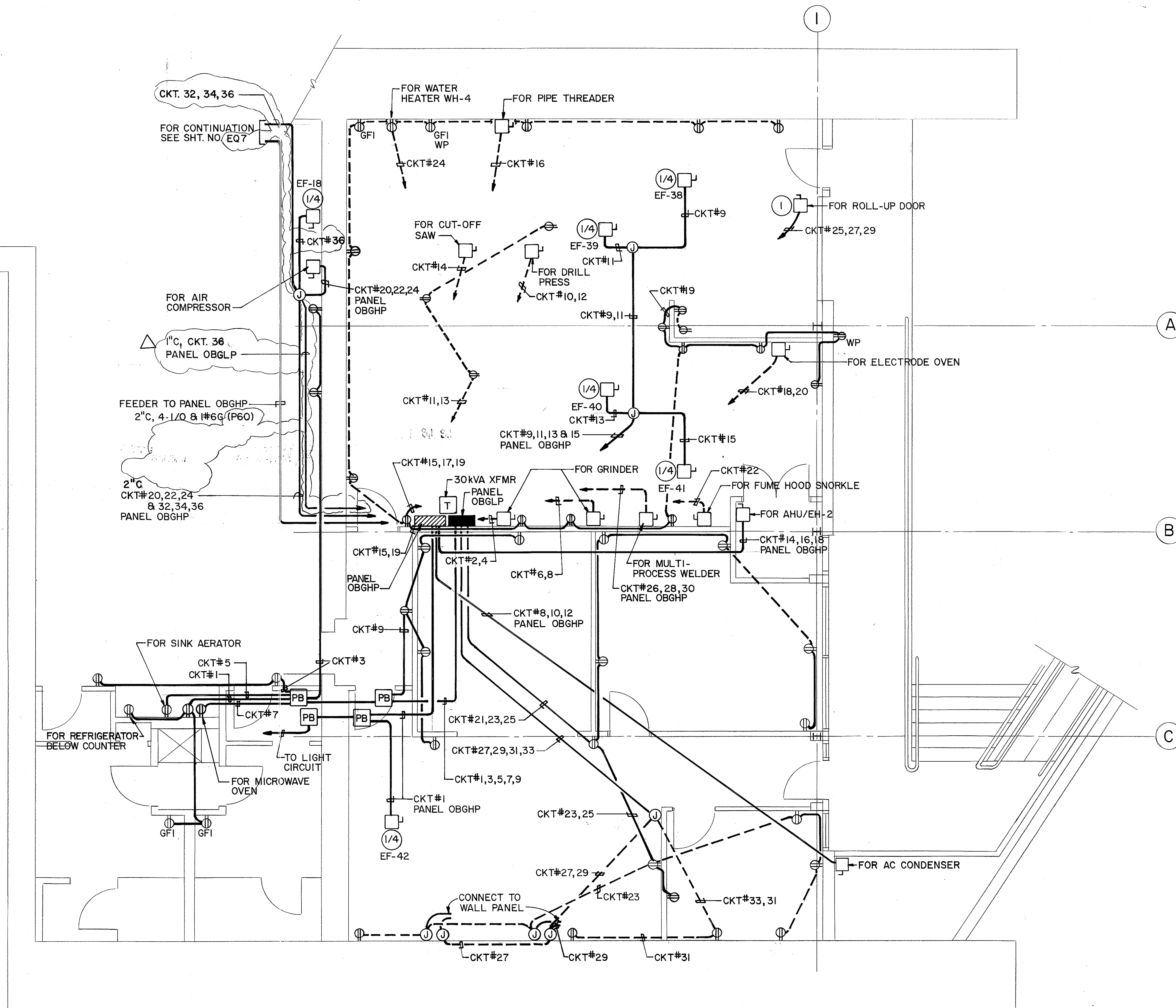
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Peter A. Mason

DATE	REVISION
12/22/94	REV. PER DCN 66-057
7/22/92	ADDENDUM 1 - GENERAL REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ELECTRICAL POWER & LIGHTING - IB HAIKU O&M FACILITIES INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (66)	
SCALE: 1/8" = 1'-0" DATE: JUN 1992	
SHEET NO. PB25 OF 28 SHEETS	

DATE:	6/3/92
DESIGNED BY:	D.E. DRYDEN
CHECKED BY:	T. SANCHEZ
NOTED BY:	E.A. WASON
ORIGINAL PLAN:	
NOTE BOOK:	
NO.:	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	436	440



ORIGINAL PLAN	DATE
DESIGNED BY	6/12/92
TRACED BY	6/9/92
QUANTITIES BY	6/9/92
CHECKED BY	6/13/92



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OR UNDER MY SUPERVISION
Peter A. Mason



12/22/94	REV. PER DCN 66-057
1/22/92	ADDENDUM 1-GEN. REV.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ELECTRICAL POWER PLAN-OB	
HAIKU O&M FACILITY	
INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (66)	
SCALE: 1/4" = 1'-0"	DATE: JUN 1992
SHEET NO. PB26 OF 28 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(66)	1992	438	440

SYSTEM: 480Y/277V 3Ø, 4W										PANEL - IBGHP										PANEL LOCATION: GARAGE, LEVEL A, HAIKU IB									
MAINS: 100AT/250AF																				SUPPLY LOCATION: PANEL IB3HP, LEVEL 3, HAIKU IB									
SHORT CIRCUIT RATING: 14KAIC																													
SERVICE	CKT. NO.	LOAD KVA			CIRCUIT BREAKER			WIRE AWG	A	B	C	WIRE AWG	CIRCUIT BREAKER			LOAD KVA			CKT. NO.	SERVICE									
		A	B	C	FRAME	POLES	TRIP						TRIP	POLES	FRAME	C	B	A											
LIGHTING	1	1.10			100	1	20	#12										0.5	2	ROLL-UP DOOR									
LIGHTING	3		1.20		100	1	20	#12				#12		3	100		0.5	4											
LIGHTING	5			1.60	100	1	20	#12								0.5	6												
SPARE	7				100	1	20											0.5	8	ROLL-UP DOOR									
SPARE	9				100	1	20					#12	20	3	100		0.5	10											
SPARE	11				100	1	20									0.5	12												
SPARE	13				100	1	20											0.5	14	ROLL-UP DOOR									
	15				100	3	30					#12	20	3	100		0.5	16											
	17				100	3	30									0.5	18												
MP-4	19	2.5			100	3	30	#10				#10	20	3	100		3.4	6.58	20	XFMR/PANEL IBGLP									
	21		2.5		100	3	30									4.1	3.4	22											
	23			2.5	100	1	20											24											
SPARE	25				100	1	20											26	SPARE										
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