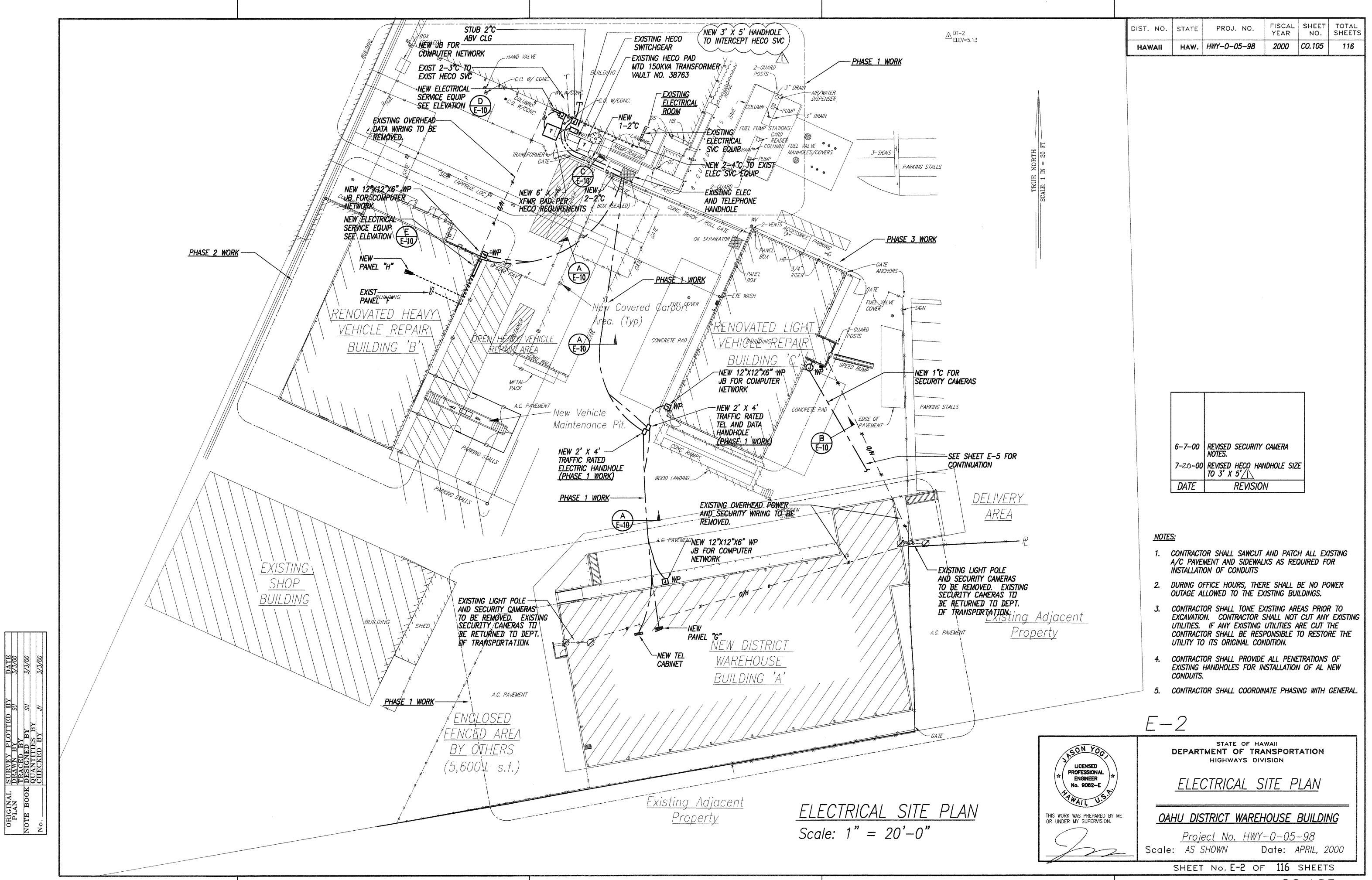
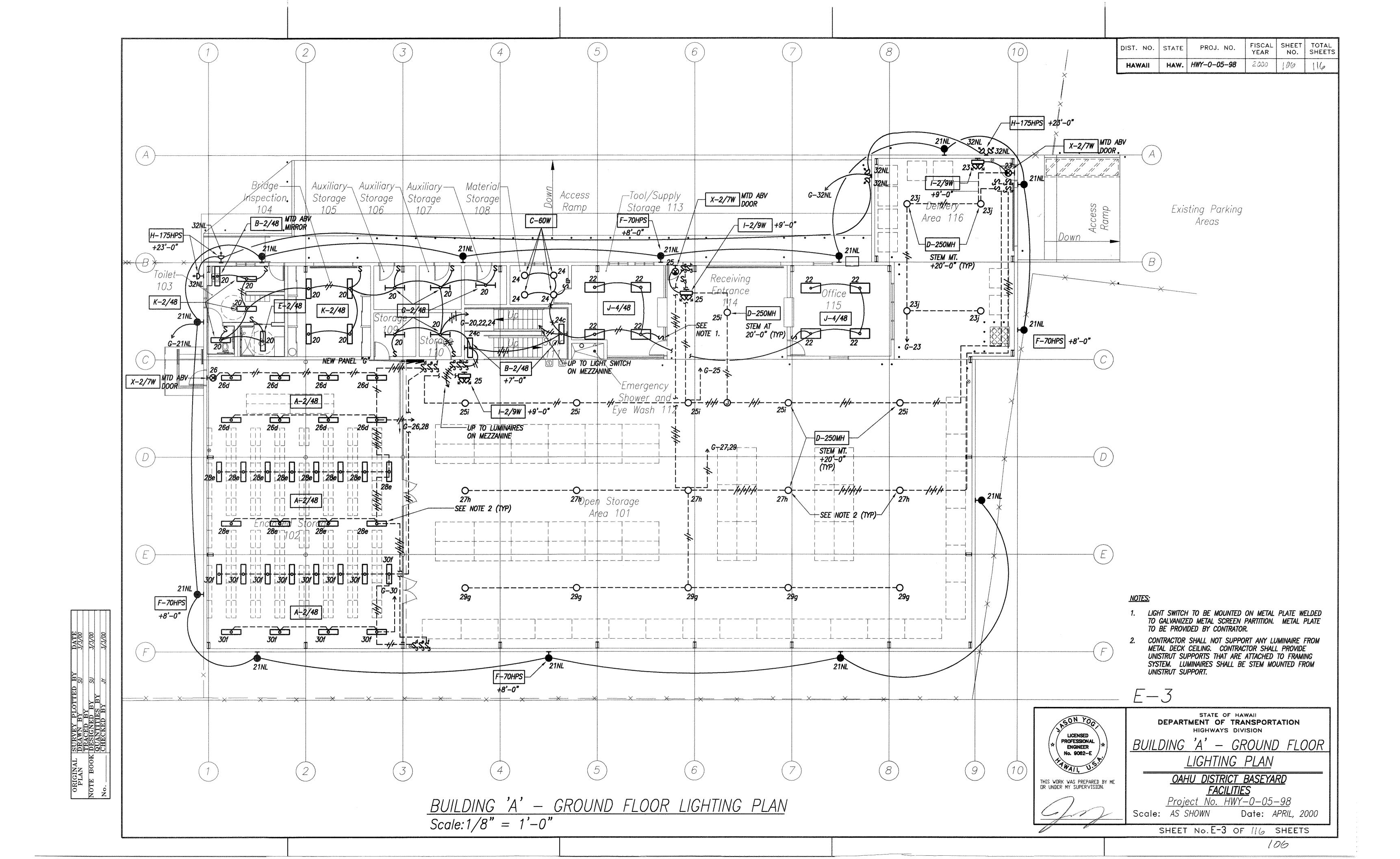
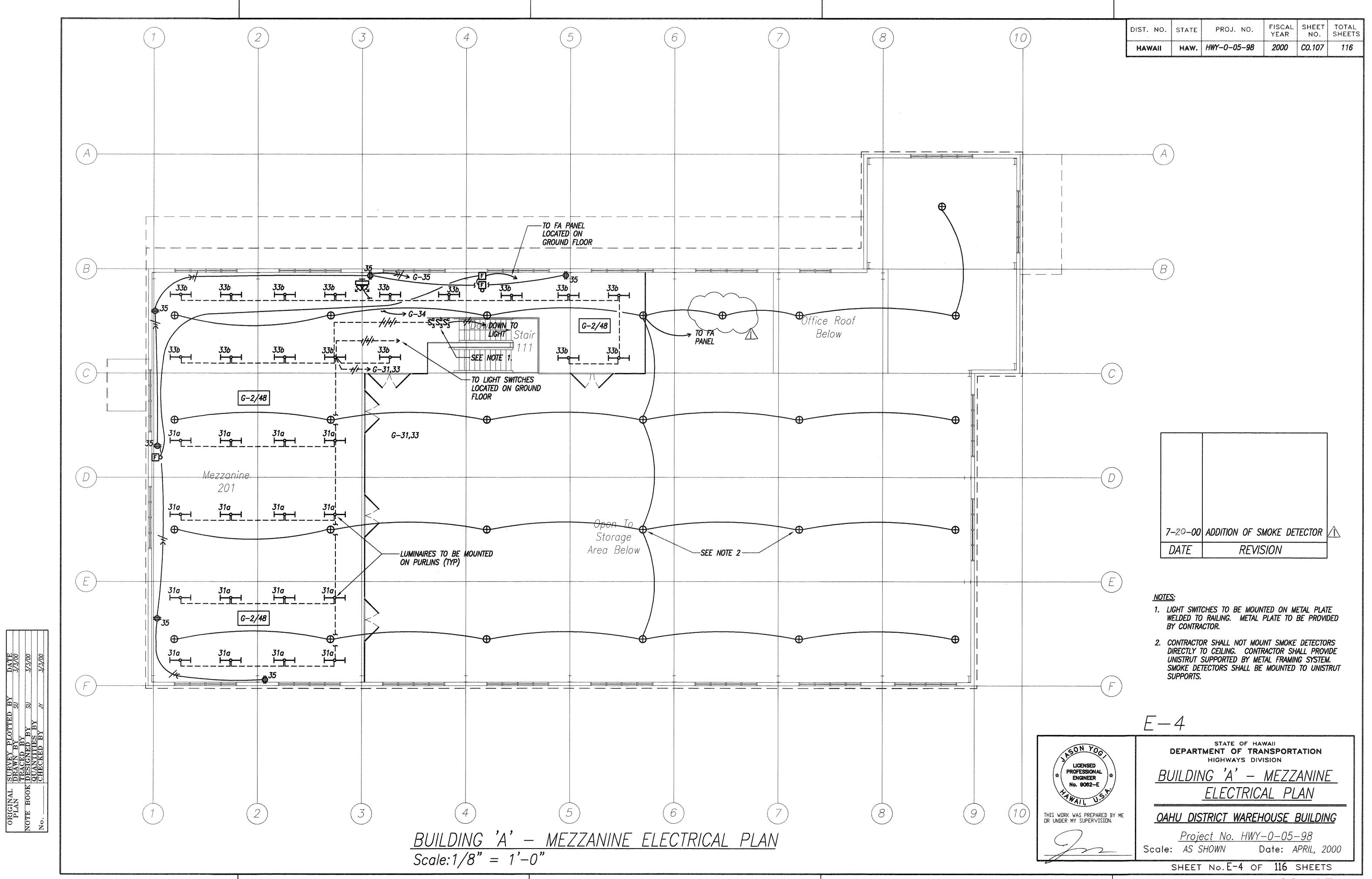


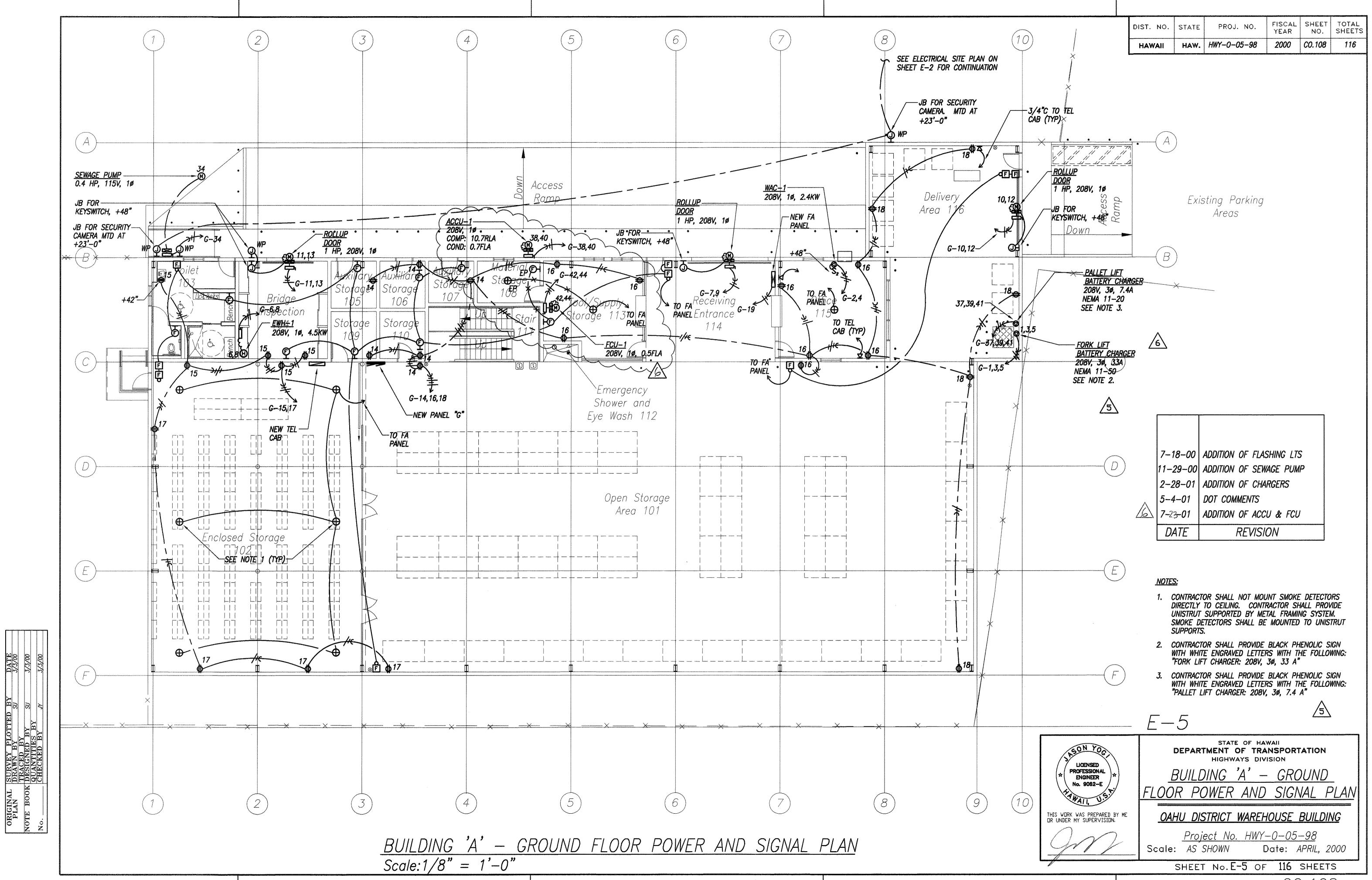
SHEETS

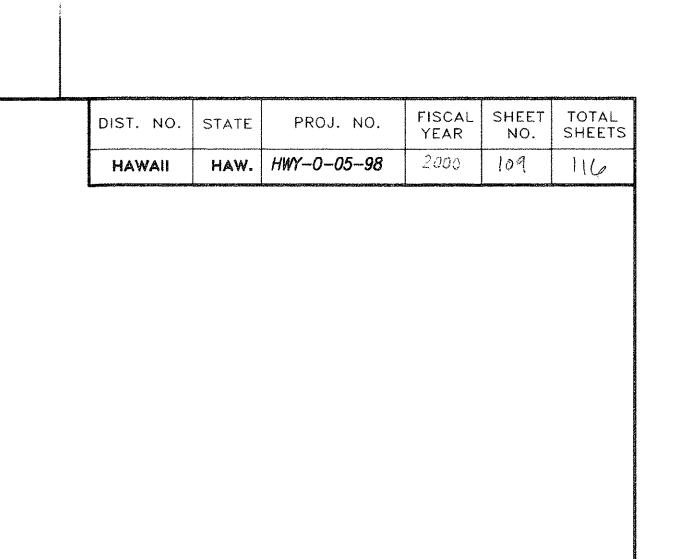
116

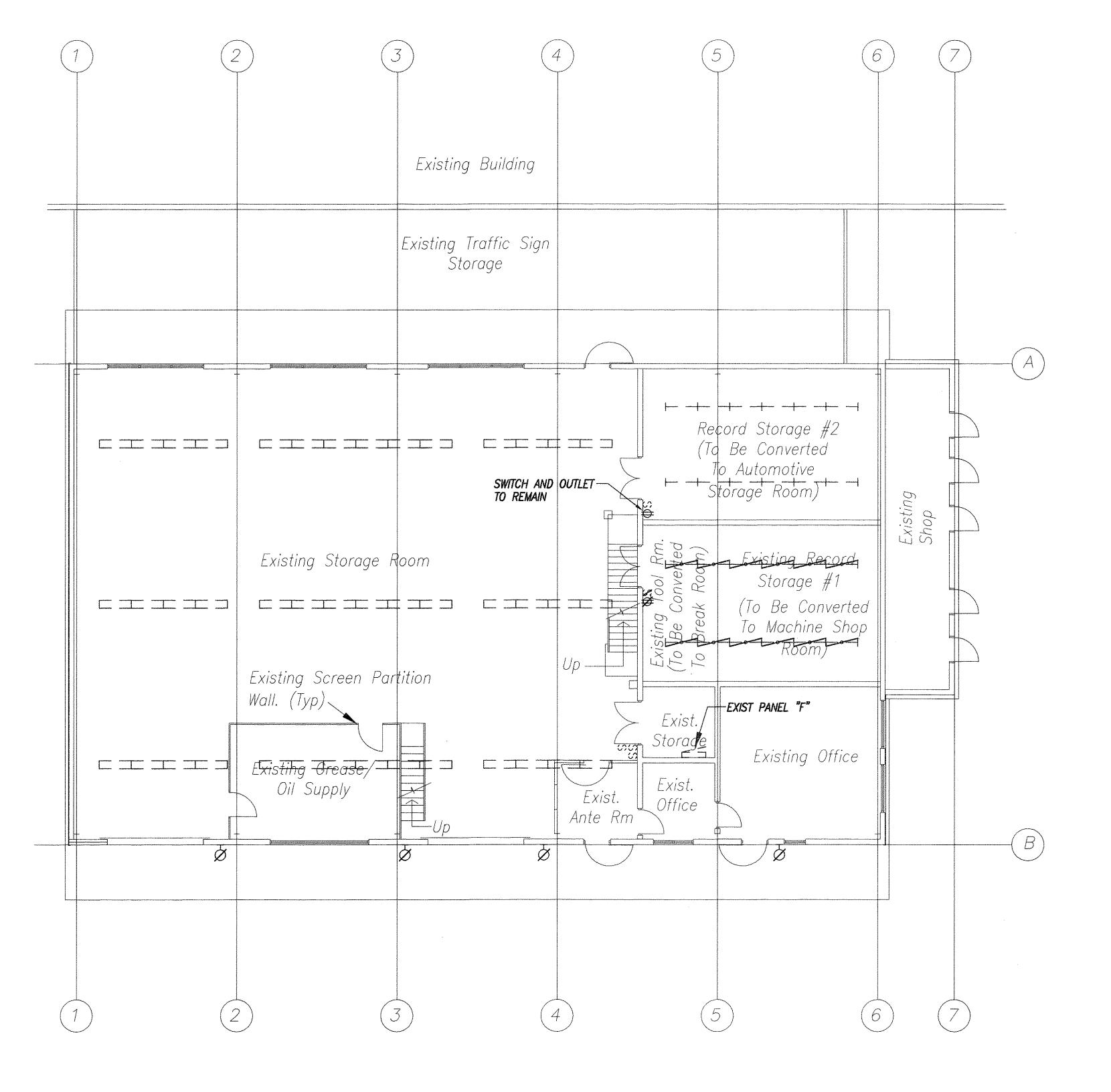








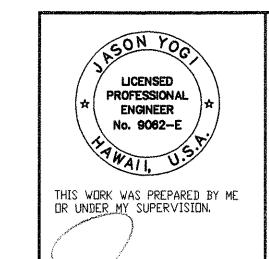




BLDG. 'B' — ELECTRICAL DEMOLITION PLAN

Scale: 1/8" = 1'-0"

E-6



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

BUILDING 'B'-ELECTRICAL

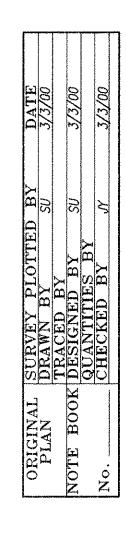
<u>DEMOLITION PLAN</u>

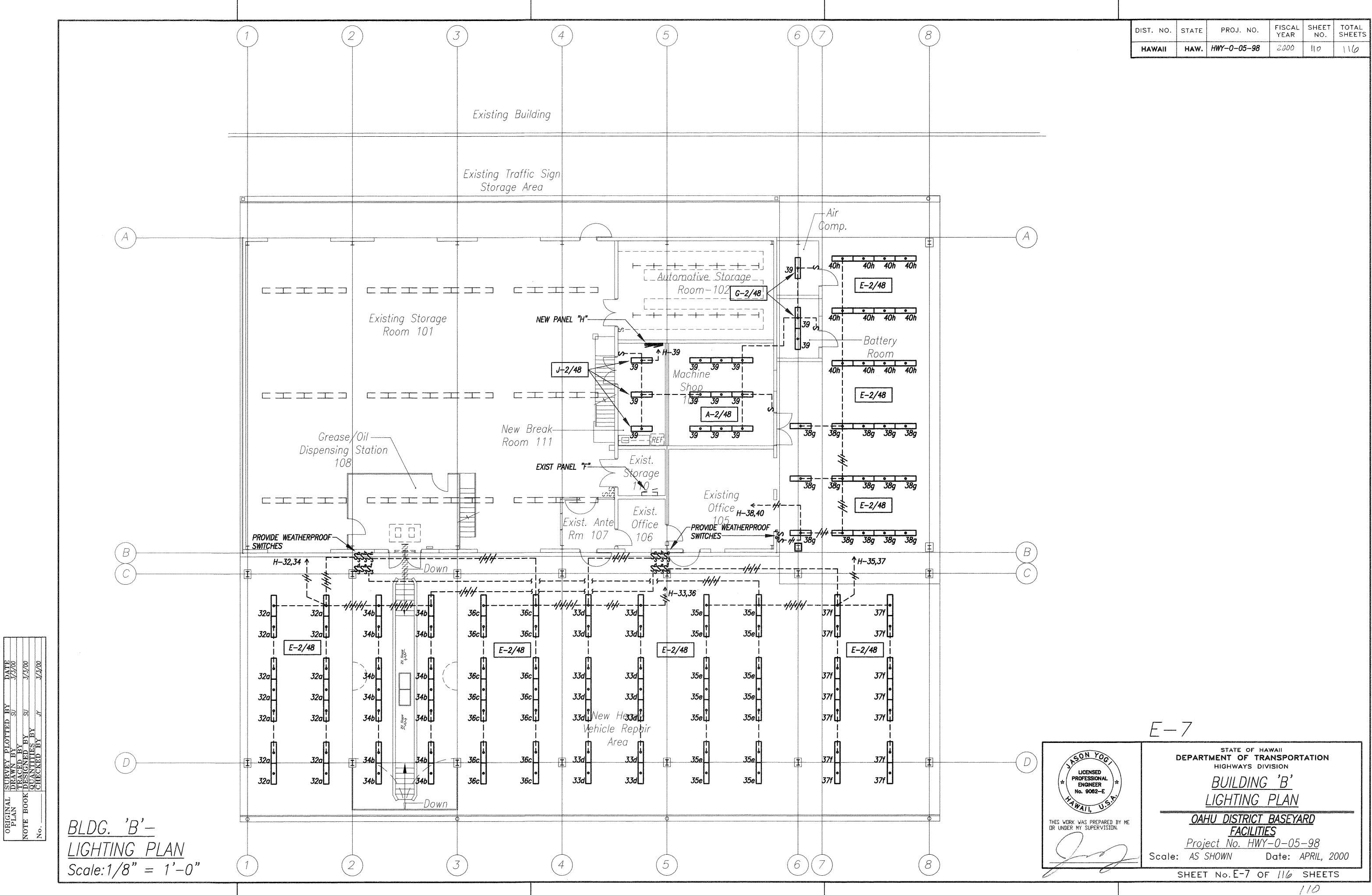
OAHU DISTRICT BASEYARD
FACILITIES
Project No. HWY-0-05-98

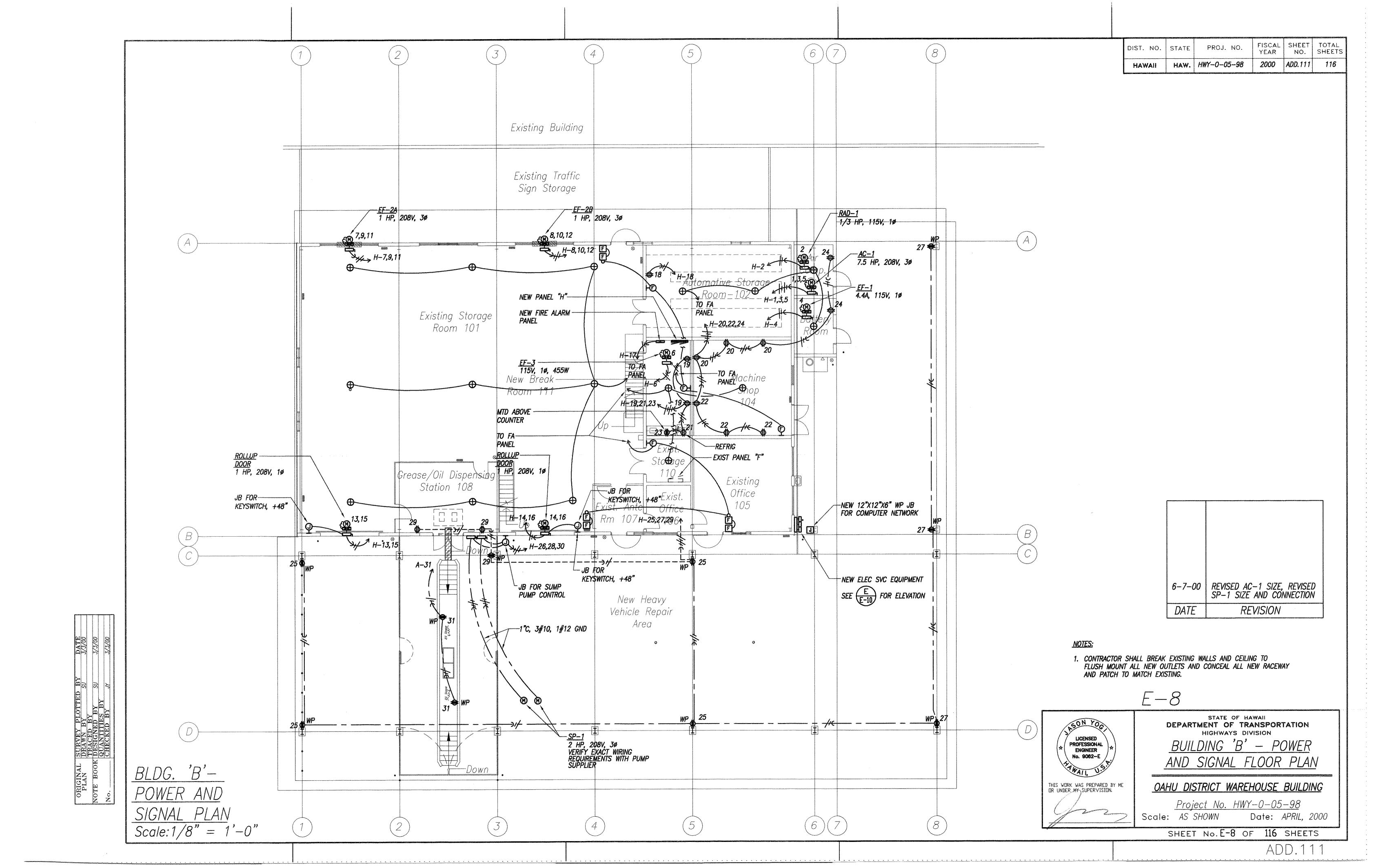
<u>Project No. HWY-0-05-98</u> Scale: AS SHOWN Date: APRIL, 2000

SHEET No. E-6 OF 116 SHEETS

109

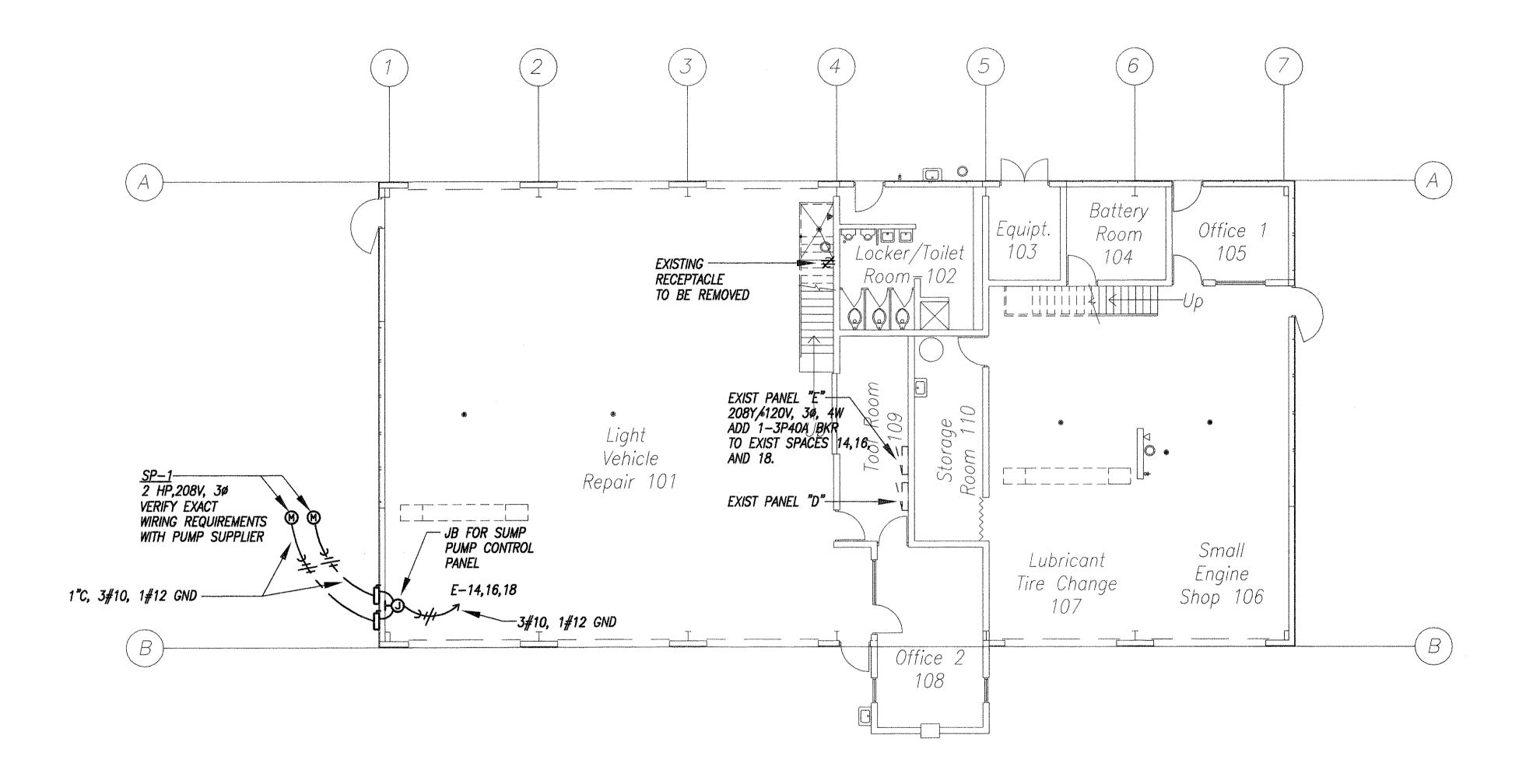




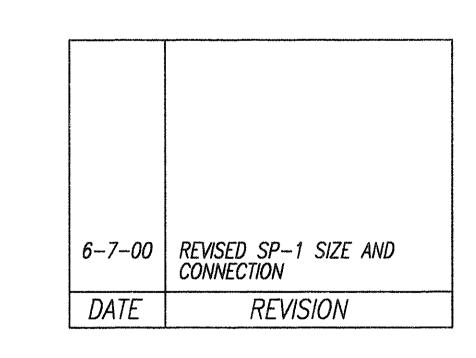


DIST. NO. STATE PROJ. NO. FISCAL SHEET TOTAL SHEETS

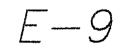
HAWAII HAW. HWY-0-05-98 2000 ADD.112 116

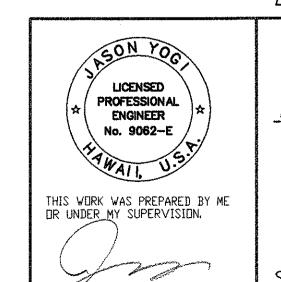


BLDG. C - GROUND FLOOR ELECTRICAL PLANScale: 1/8" = 1'-0"



NOTE: ALL WORK DONE AT THIS BUILDING IS TO BE CONSIDERED PHASE 3.





DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BUILDING C - GROUND FLOOR

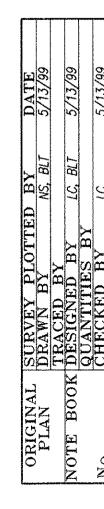
ELECTRICAL PLAN

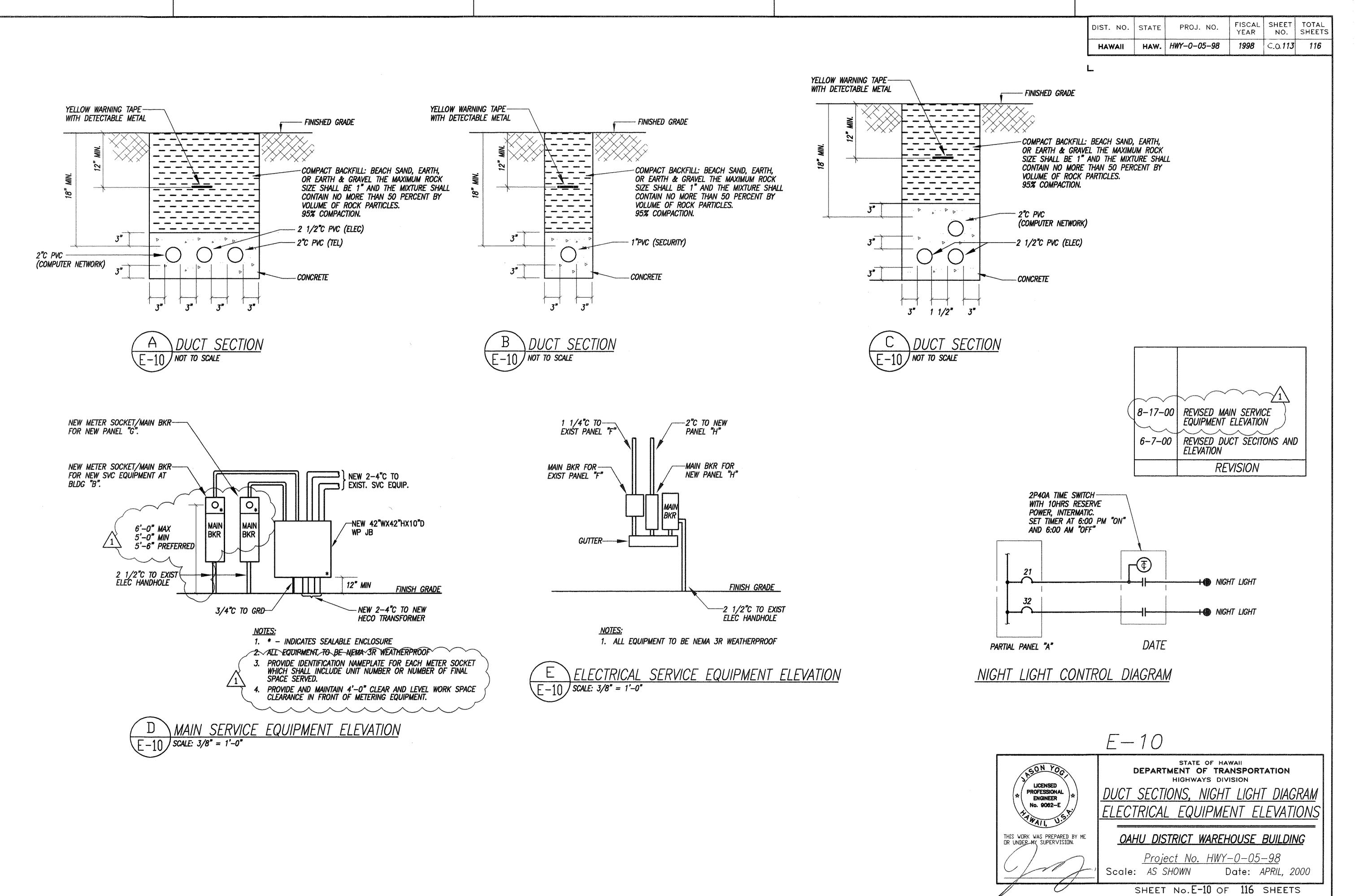
OAHU DISTRICT WAREHOUSE BUILDING

<u>Project No. HWY-0-05-98</u> cale: AS SHOWN Date: APRIL, 2000

SHEET No.E-9 OF 116 SHEETS

ADD.112





C.O.113

PROVIDE STEM, LENGTH AS REQUIRED FOR PROPER MOUNTING HEIGHT AS INDICATED ON DRAWINGS

REFLECTOR PAINTED AFTER FABRICATION. DIE FORMED CODE GAUGE STEEL. DEEP DRAW FULL WIDTH RIBS FORMED WITH ONE PRESS STROKE. DESIGN PREVENTS LINT, DUST AND DEBRIS BUILDUP.

FORMED CODE GAUGE STEEL. DEEF WIDTH RIBS FORMED WITH ONE PR DESIGN PREVENTS LINT, DUST AND

A'-0"±

HOUSING: DIE-FORMED COLD ROLLED STEEL,

DIE FORMED WITH DEEP V-GROOVES FOR TONG HANGER
PRESSURE-LOCK LAMP HOLDER, LAMP SHALL BE FURNISHED

CHEMICALLY TREATED, WHITE ENAMEL FINISH.

ELECTRONIC BALLAST

U.L. LISTED

LUMINAIRE TYPE A-2/48 2-32W FLUORESCENT LAMPS

WITH CLEAR ACRYLIC LAMP HOLDER

3/4" DIAMETER ALUMINUM STEM FOR THRU-WAY POWER HOOK CONNECTION

RUGGED DIE-FORMED STEEL HOUSING WITH HEAT DISSIPATING FINS

RUGGED ANOLUX FINISH REFLECTOR

HIGH POWER FACTOR BALLAST WITH CLASS H INSULATION

MOGUL BASE PORCELAIN SOCKET

TOTALLY ENCLOSED ASSEMBLY

FEATURES GASKETING AT

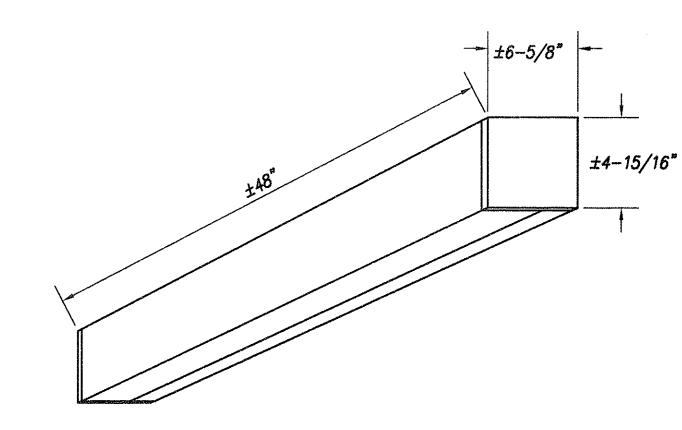
PROVIDE SAFETY CHAIN WITH

INDEPENDENT ATTACHMENT TO

THREE POINTS

CEILING

LUMINAIRE TYPE D-250W METAL HALIDE LAMP



DIECAST ALUMINUM ENDCAPS. EXTRUDED ALUMINUM FRONT TRIM.

FINISH: WHITE

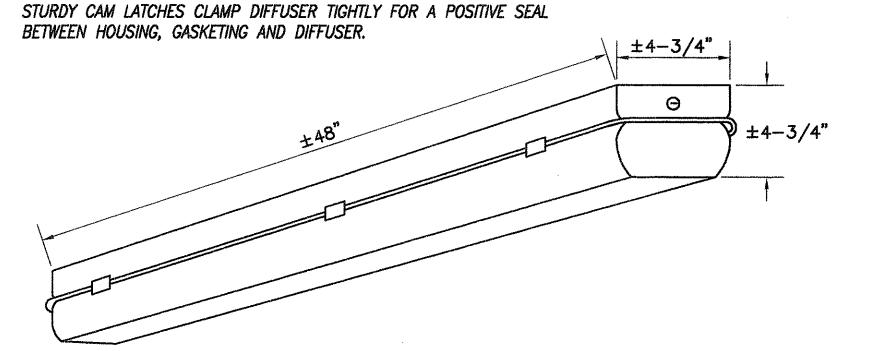
TRANSLUCENT ACRYLIC WRAP-AROUND DIFFUSER.

ELECTRONIC BALLAST

LUMINAIRE TYPE B - 2/48 2-32W FLUORESCENT LAMP

FIBERGLASS HOUSING IS REINFORCED POLYESTER AND SELF-EXTINGUISHING PLASTIC OF A PERMANENT PEARL GRAY COLOR.

POLYURETHANE GASKETING IS FORMED IN THE HOUSING PROVIDING A CONTINUOUS SEAMLESS SEAL FOR THE DIFFUSER.



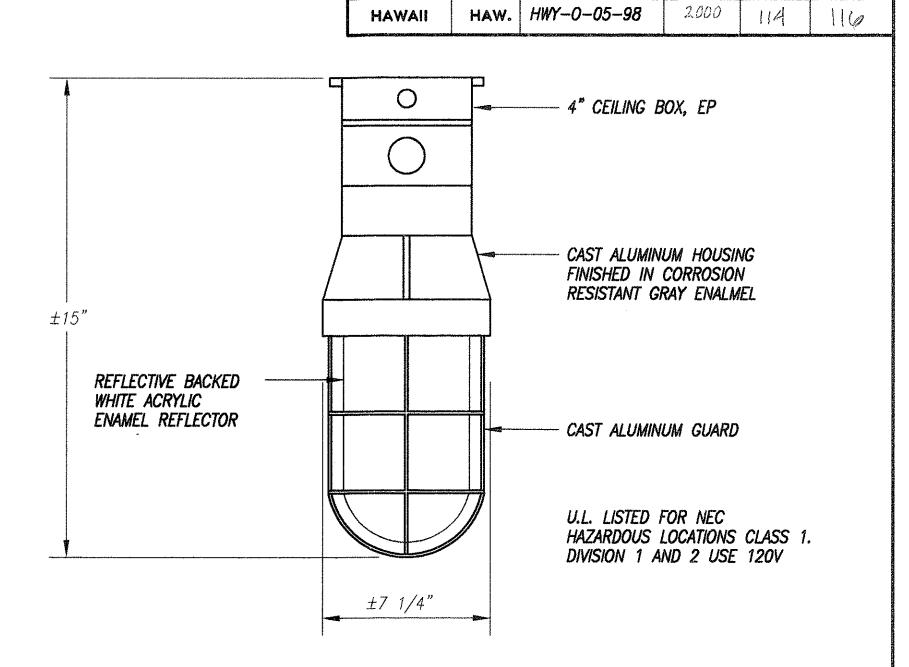
FULL METAL LINER SECURED BY BRASS INTERNAL/EXTERNAL MOUNTING STUDS FOR POSITIVE GROUNDING.

ELECTRONIC BALLAST

PRESSURE LOCK LAMP HOLDERS.

U.L. LISTED FOR WET LOCATIONS.

LUMINAIRE TYPE E-2/48 2-34W COOL WHITE FLUORESCENT LAMPS

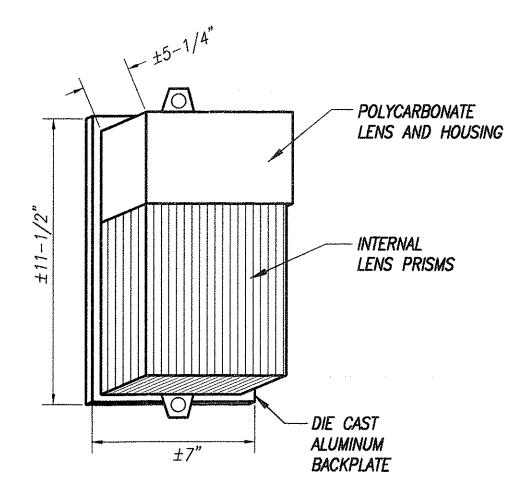


DIST. NO. STATE

FISCAL SHEET TOTAL YEAR NO. SHEETS

PROJ. NO.

LUMINAIRE TYPE C - 60W INCANDESCENT LAMP



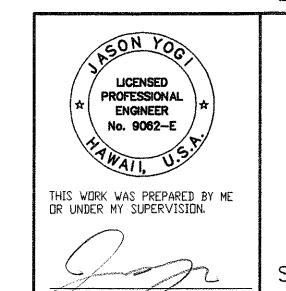
DARK BRONZE ENAMEL FINISH

PROVIDE TAMPER-PROOF SCREWS

U.L. LISTED FOR WET LOCATIONS

LUMINAIRE TYPE F - 70W HIGH PRESSURE SODIUM LAMP

E-11



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

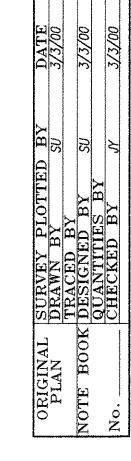
LIGHTING DETAILS

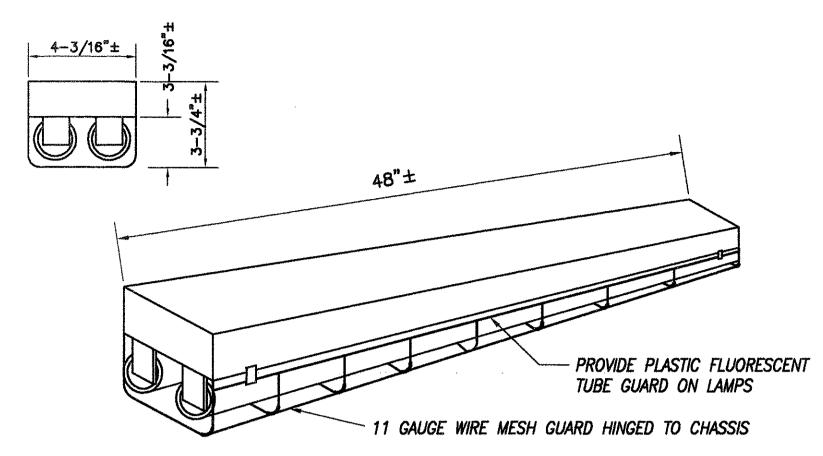
OAHU DISTRICT BASEYARD FACILITIES

Project No. HWY-0-05-98
Scale: AS SHOWN Date: APRIL, 2000

SHEET No. E-11 OF 116 SHEETS

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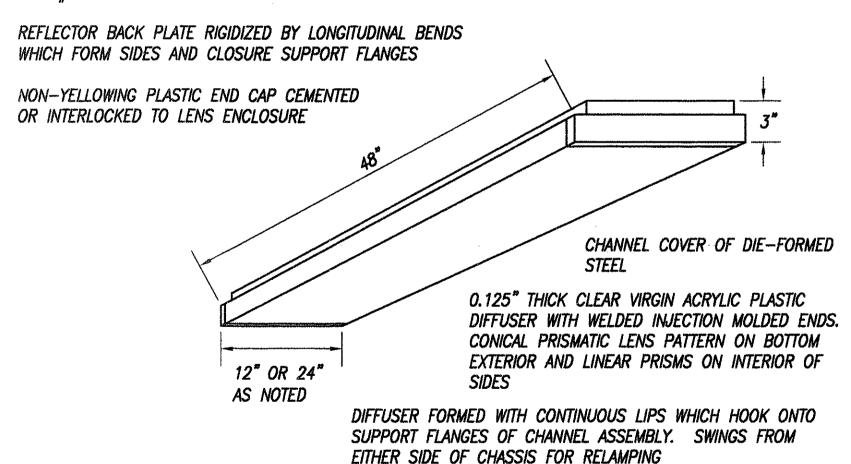


HIGH GLOSS BAKED WHITE ENAMEL FINISH ON 20 GAUGE COLD ROLL STEEL. PHOSPHETIZED AND FIVE STAGE PAINTING

CHASSIS TO BE FABRICATED AND PAINTED AFTER FABRICATION. ALL SURFACES AND EDGES TO BE PAINTED OR GALVANIZED. CHASSIS PREPAINTED PRIOR TO FABRICATION WILL NOT BE ALLOWED

LUMINAIRE TYPE G-2/48 2-32W FLUORESCENT LAMPS

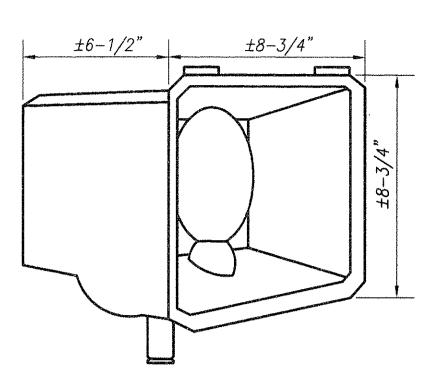
CHANNEL ASSEMBLY: DIE-FORMED STEEL. REFLECTOR BACK PLATE SECURELY ATTACHED TO SOCKET. STRAP END PLATES. CBM, HPF SERIES BALLAST WITH THERMAL PROTECTION. WIRE WITH #AF WIRE SOLDERLESS CONNECTORS



FINISH: ALL STEEL SURFACES OTHER THAN PLATED PARTS ANT—RUST PROTECTED WITH FIVE— STAGE PHOSPHATE TREATMENT. ALL METAL SURFACES EXCEPT PLATED PARTS SPRAYED WITH BAKED—ON WHITE ENAMEL. REFLECTOR REFLECTANCE — 85% MINIMUM

ELECTRONIC BALLAST

LUMINAIRE TYPE J (24"x48")-4/48 4-32W FLUORESCENT LAMP LUMINAIRE TYPE K (12"x48")-2/48 2-32W FLUORESCENT LAMP



DURABLE CAST ALUMINUM HOUSING, INTEGRAL HIGH POWER FACTOR BALLAST

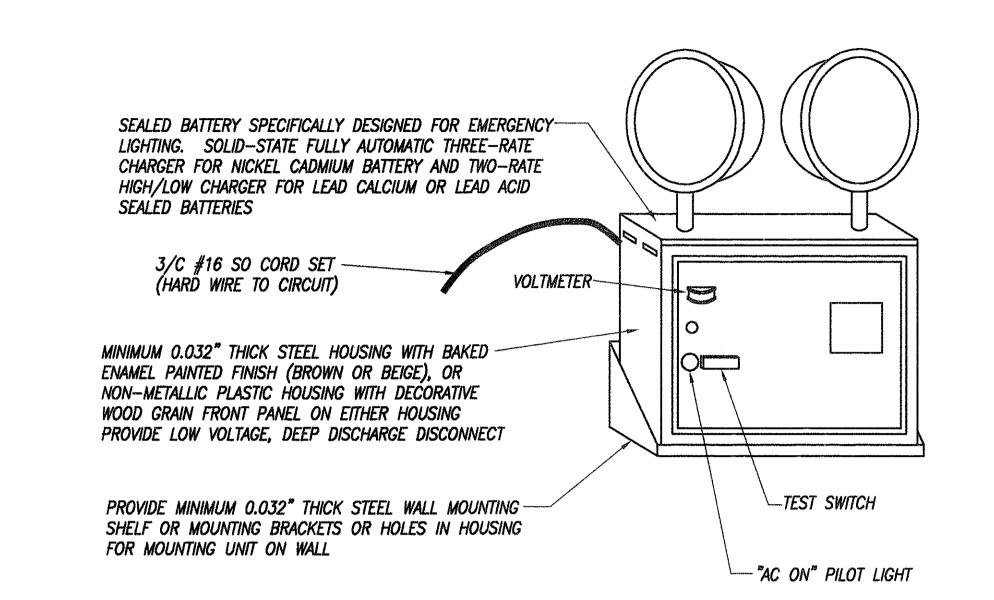
1/2" THREADED SWIVEL MOUNTING, DEGREE MARKED

TEMPERED GLASS LENS IN BOTTOM HINGED ACCESS DOOR

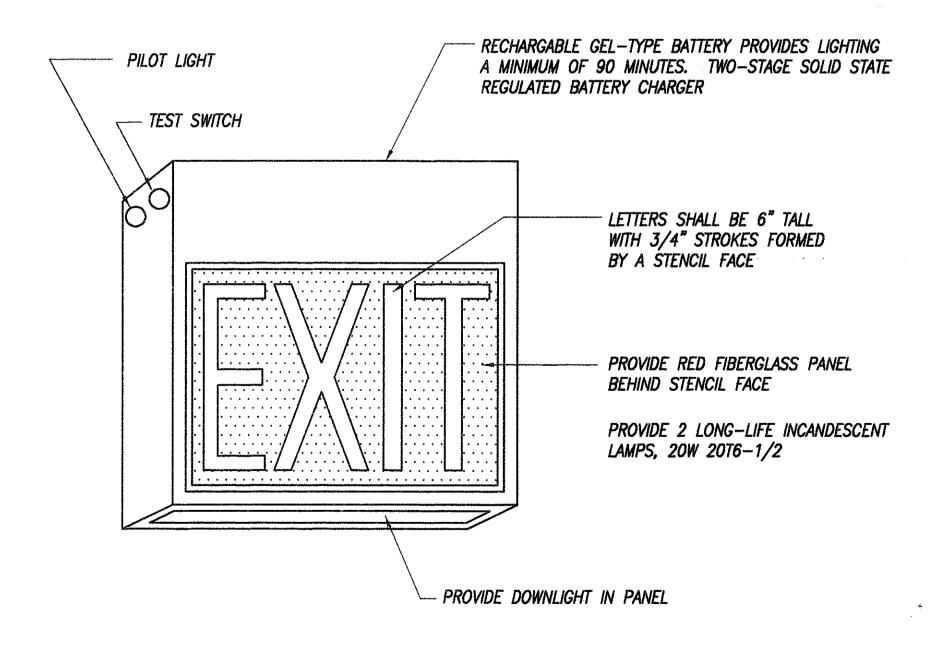
PROVIDE PHOTO—ELECTRIC CONTROL FOR EACH LUMINAIRE

FORMED ALUMINUM REFLECTOR

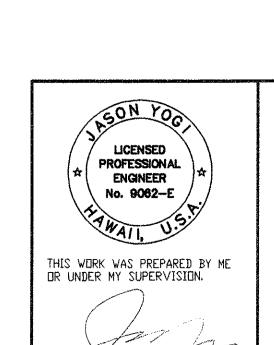
<u>LUMINAIRE TYPE H — 175W HIGH PRESSURE SODIUM LAMP</u>



LUMINAIRE TYPE I-2/9W 9W INCANDESCENT LAMP



LUMINAIRE TYPE X-2/7W 2-7W FLUORESCENT LAMP



E-12

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

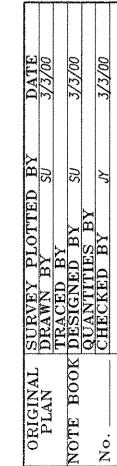
LIGHTING DETAILS

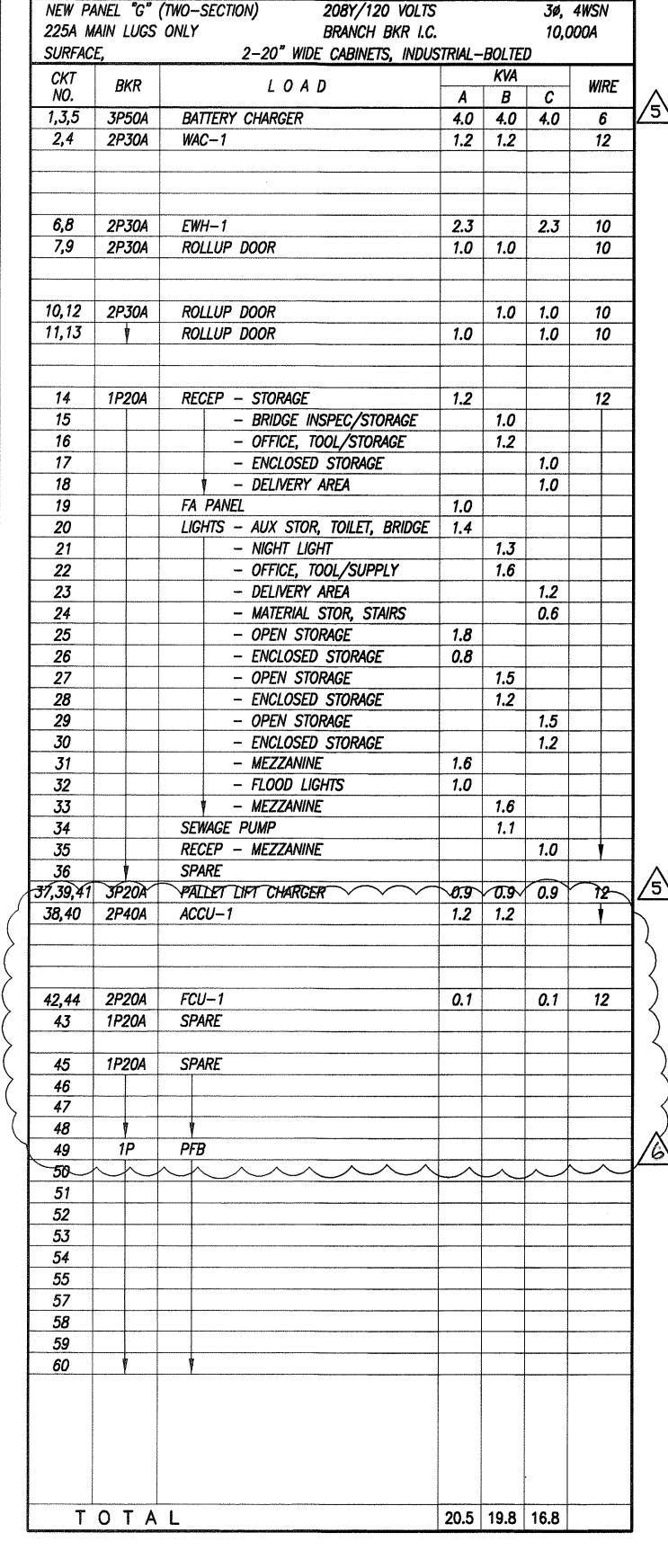
OAHU DISTRICT BASEYARD FACILITIES

Project No. HWY-0-05-98
Scale: AS SHOWN Date: APRIL, 2000

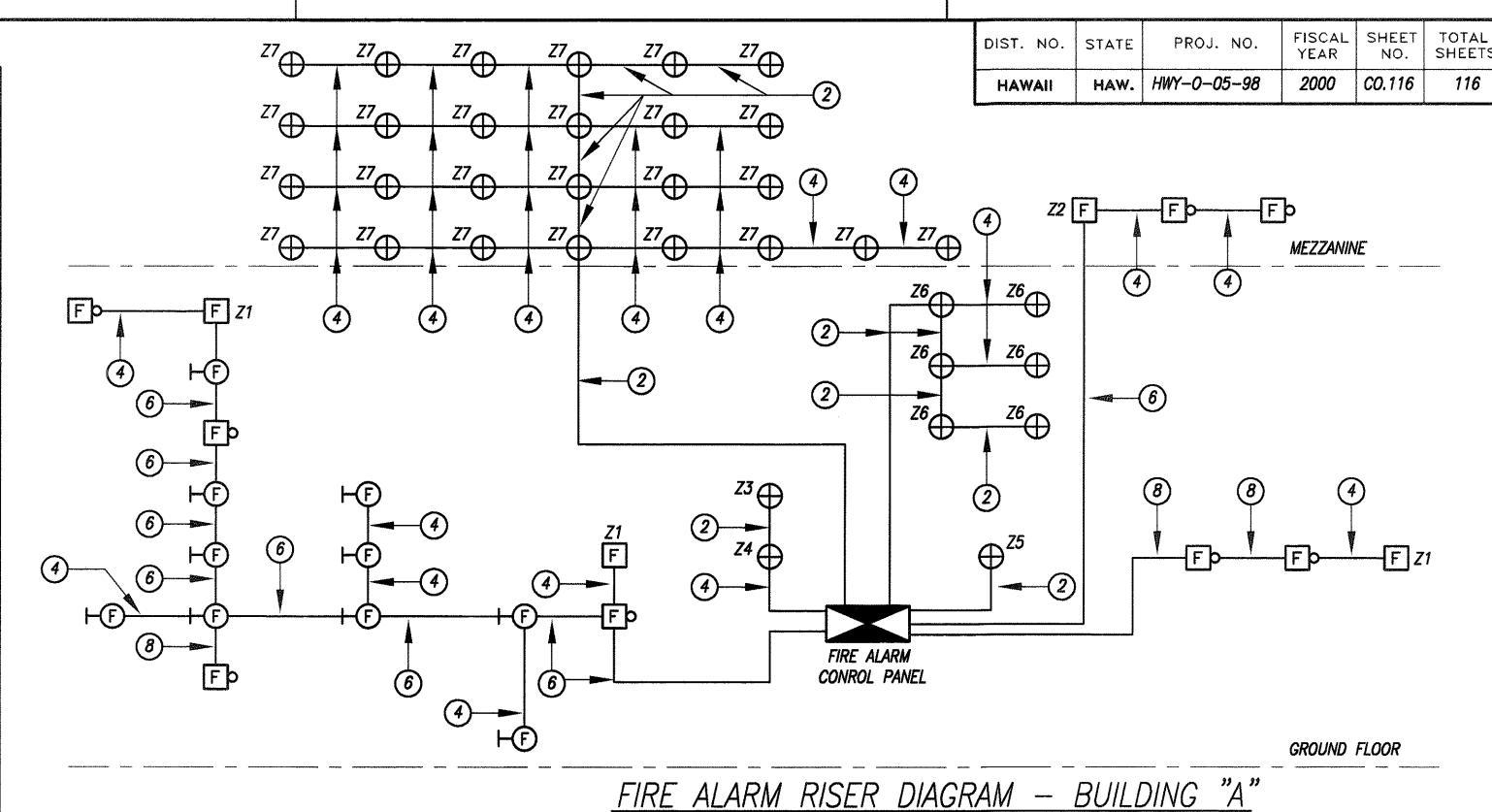
SHEET No.E-12 OF 16 SHEETS

1/5



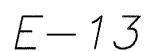


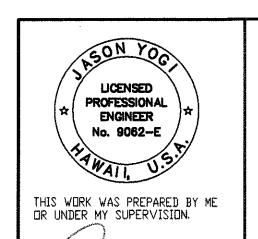
NEW PANEL "H" 225A MAIN LUGS		(TWO-SECTION) 208Y/120 VOLTS 3ø, 4WS ONLY BRANCH BKR I.C. 10,000A				
SURFACE		2-20" WIDE CABINETS, INDU		BOLTE	_	
СКТ				KVA		
NO.	BKR	LOAD	A	В	С	W
1,3,5	3P60A	AC-1	2.9	2.9	2.9	
2	1P20A	RAD-1	0.6	2.3	2.3	
4	10204	FF 1		0.5		
4	1P20A	<i>EF-1</i>		0.5		
6	1P20A	<i>EF-3</i>			0.4	
7,9,11	3P20A	<i>EF-2A</i>	0.5	0.5	0.5	
8,10,12		EF-2B	0.5	0.5	0.5	
13,15	2P30A	ROLLUP DOOR	1.0	1.0		
14,16	7	ROLLUP DOOR	1.0	1.0		
17	1P20A	FA PANEL  PECED AUTOMOTIVE STOPACE			1.0	
18 19		RECEP — AUTOMOTIVE STORAGE — BREAK ROOM	0.5		1.0	
****						***************************************
20 21		- MACHINE SHOP - REFRIG	1.0	1.0		
22		- KEFRIG - MACHINE SHOP		1.0		***************************************
23		- BREAK ROOM GFI		1.0	0.5	
23 24		- AIR COMP, BATTERY			1.0	
25 25	+	- HEAVY VEHICLE REPAIR	0.5		7.0	
26,28,30	3P4NA	SP-1	1.8	1.8	1.8	•
27	1P20A	RECEP - HEAVY VEHICLE REPAIR		0.5		
29	1P20A	RECEP – GREASE/OIL DISPENSER		<u>.</u>	0.5	
31	1P20A	RECEP — PIT AREA	1.0			
<i>32</i>		LIGHTS - HEAVY VEHICLE REPAIR	1.4			
33		- HEAVY VEHICLE REPAIR		1.4		P
<i>34</i>		- HEAVY VEHICLE REPAIR - HEAVY VEHICLE REPAIR		1.4	11	····
<i>35</i>		- HEAVY VEHICLE REPAIR			1.4	
<i>36 37</i>		- HEAVY VEHICLE REPAIR	1.5		1.4	
37 38		- OUTSIDE (MAUKA)	1.4			
39		- MACHINE SHOP	1.7	1.5		
40		- OUTSIDE (MAUKA)		1.2	<del>                                     </del>	•
41		SPARE		1.4		
42						
43	PFB					
44						····
45						mm-7-12440-7-144
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## FIRE ALARM NOTES:

- 1. VERIFY WIRING AND JUNCTION BOX SIZES WITH EQUIPMENT SUPPLIER PRIOR TO BID.
- 2. ALL WIRE SHALL BE NO. 14 THWN MINIMUM.
- 3. ALL EQUIPMENT SHALL BE U.L. APPROVED.
- 4. FIRE ALARM SYSTEM SHALL BE ELECTRICALLY SUPERVISED.
- 5. CONDUIT SHALL BE 3/4"C MINIMUM.
- 6. (2) INDICATES NUMBER OF WIRES, 2-WIRES INDICATED.
- 7. Z = ZONE
- 8. FIRE ALARM SYSTEM SHALL CONFORM WITH UFC 14, NFPA 72 AND UFC 1988.
- 9. ALL EQUIPMENT SHALL BE A.D.A. COMPLIANT.
- 10. VERIFY ALL WIRE COUNTS AND TYPE WITH EQUIPMENT SUPPLIER AND PROVIDE ADDITIONAL WIRING AND DEVICES AS RQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- 11. SHALL BE IN ACCORDANCE WITH ARTICLE 87, UFC 1988 AS AMENDED.





FIRE ALARM RISER DIAGRAM — BUILDING "B"

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GROUND FLOOR

PANEL SCHEDULES
FIRE ALARM RISER DIAGRAMS

OAHU DISTRICT WAREHOUSE BUILDING

Project No. HWY-0-05-98
Scale: AS SHOWN Date: APRIL, 2000

SHEET No. E-13 OF 116 SHEETS

CO.116

 ORIGINAL
 SURVEY PLOTTED BY DATE DRAWN BY SU 3/3/00

 PLAN
 TRACED BY TRACED BY SU 3/3/00

 NOTE BOOK DESIGNED BY QUANTITIES BY CHECKED BY N° 3/3/00