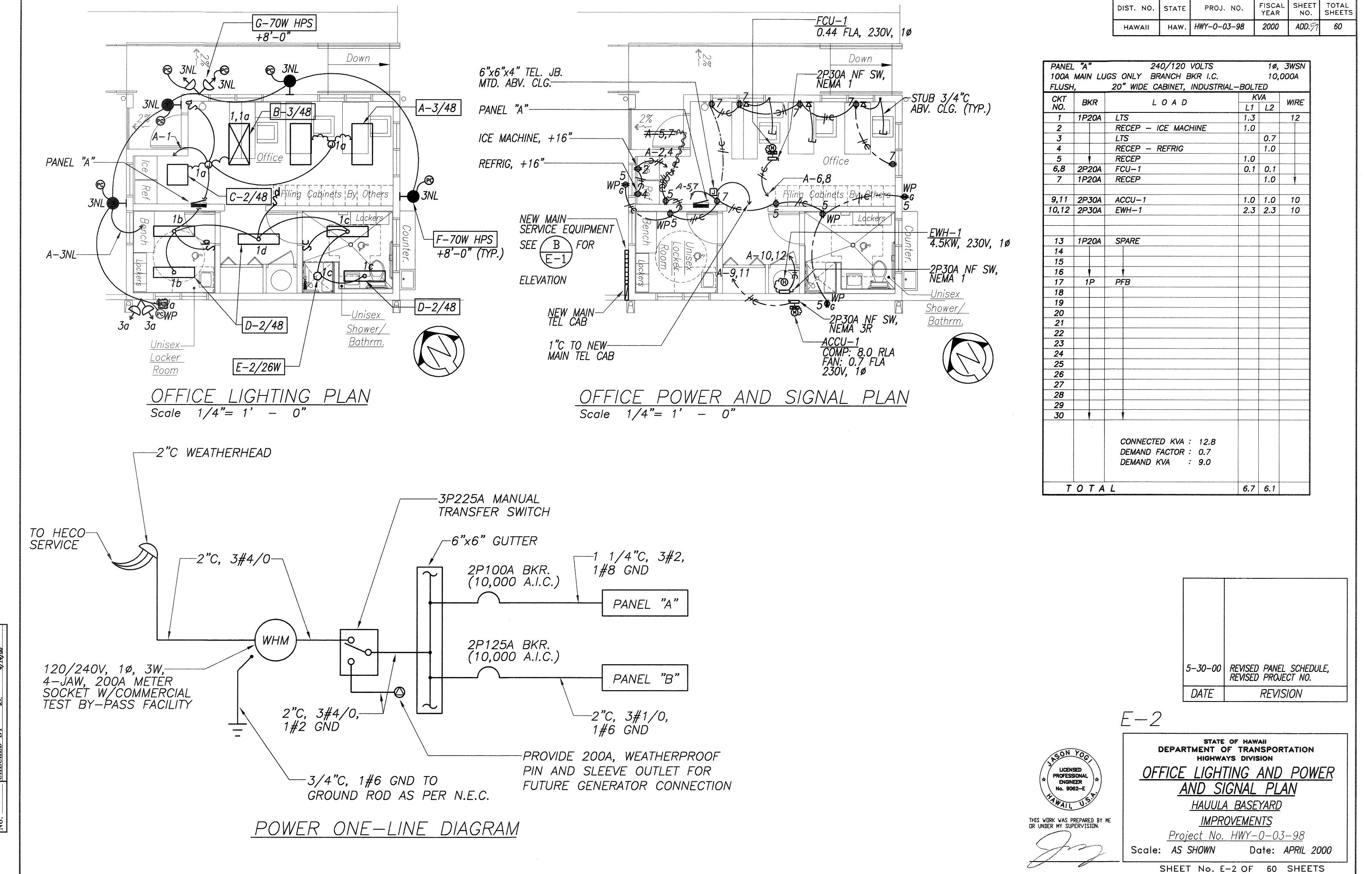
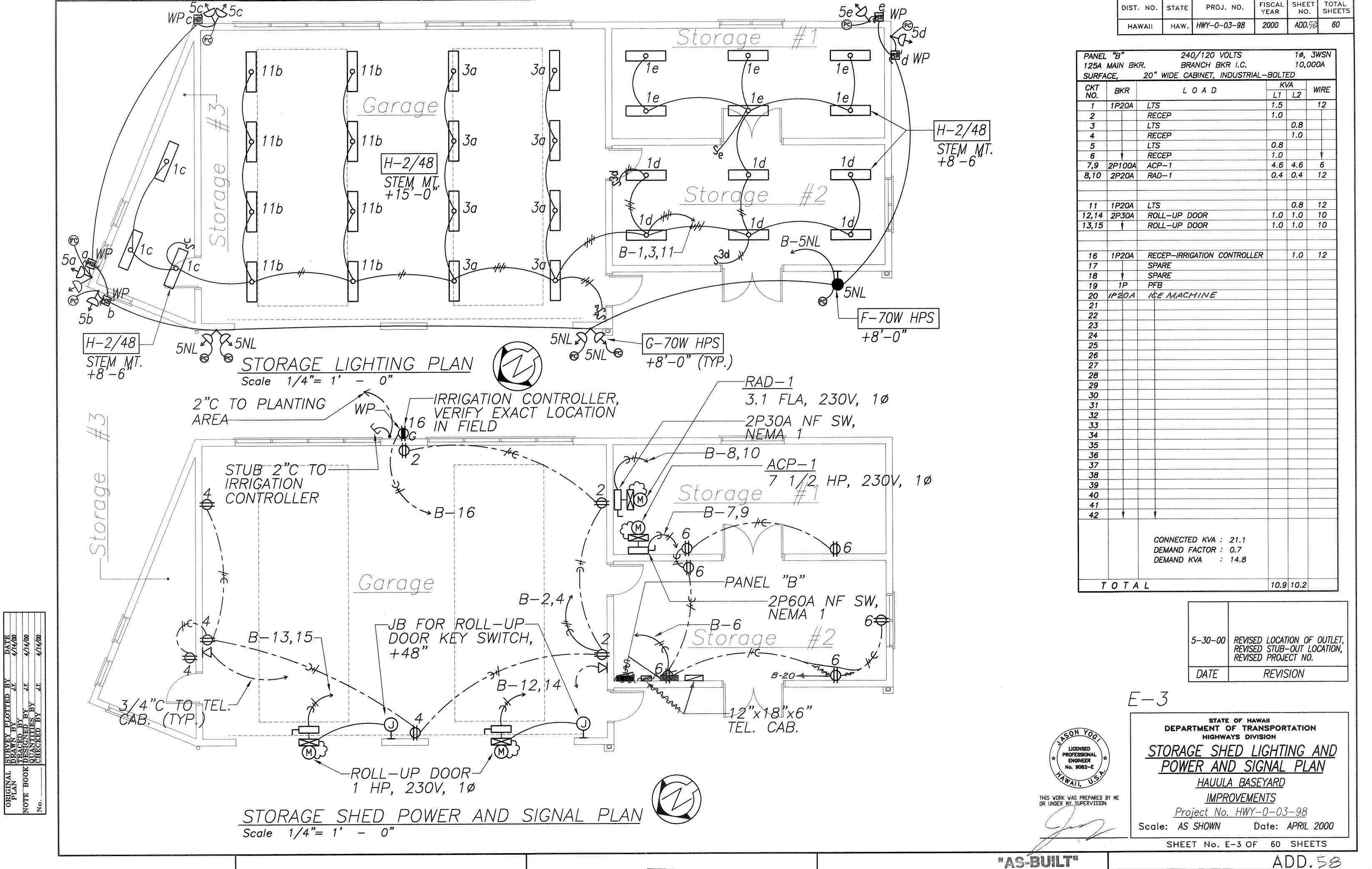


ADD.56



DATE 4/14/00 4/14/00 4/14/00 ORIGINAL BURVEY PLOTTED BY DRAWN BY JY.
TRACED BY JY.
NOTE BOOK DESIGNED BY JY.
QUANTITIES BY JY.
CHECKED BY JY.

"AS-BUILT"



ADD.58

VERIFY CEILING TYPES FOR RECESSED LIGHT FIXTURES AND PROVIDE PROPER FRAMES AND

UNPAINTED PARTS — ZINC PLATED OR STAINLESS STEEL. CUT EDGES OF METAL TO BE PRIMED AND PAINTED SIMILAR TO BODY PAINTING.

BODY TO BE EMBOSSED TOP AND ENDS TO ASSURE RIGIDITY. CORNERS TO BE FOLDED AND WRAPPED TO ELIMINATE OPEN SEAMS

ALL ELECTRICAL COMPONENTS TO BE EASILY ACCESSIBLE WITHOUT REMOVAL OF TROFFER FROM CEILING. BALLASTS TO BE BOLTED TO CHASSIS WITH BOLTS AND SELF—LOCKING NUTS

PROVIDE GASKETS TO PREVENT LIGHT LEAKS

120V, ELECTRONIC BALLAST

LUMINAIRE TYPE "A" (24"x48") — 3/32WT8 COOL WHITE FLUORESCENT LAMPS LUMINAIRE TYPE "B" (24"x48") - SIMILAR TO TYPE "A" EXCEPT WITH EMERGENCY BATTERY PACK

POLYCARBONATE LENS AND

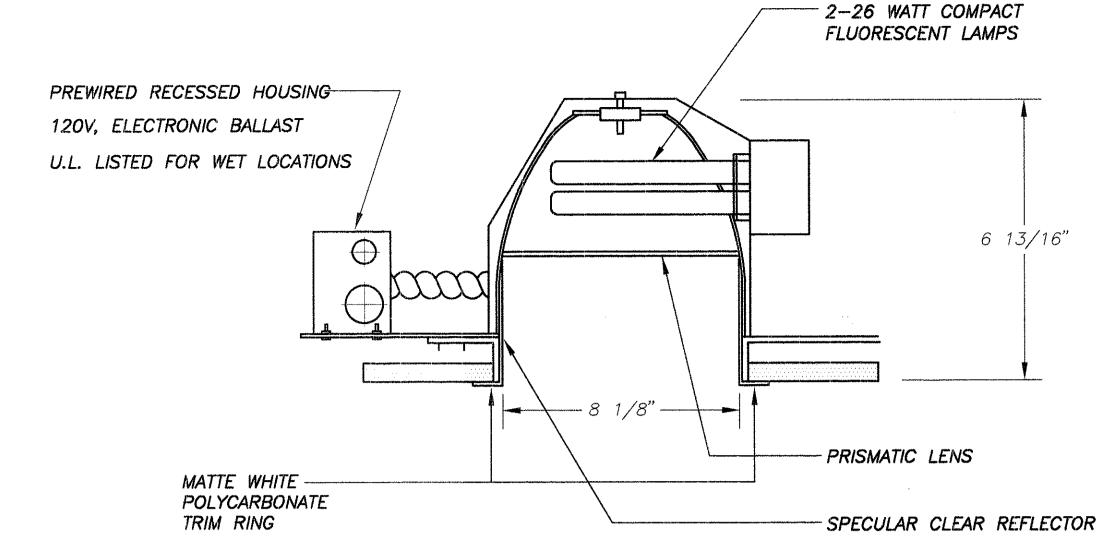
PROVIDE REMOTE PHOTOCELL

CONTROL AS INDICATED ON

INTERNAL LENS PRISMS

DIE CAST ALUMINUM BACKPLATE

LUMINAIRE TYPE "C" (24"x24") - 2/32WU6T8 COOL WHITE FLUORESCENT LAMPS LUMINAIRE TYPE "D" (12"x48") - 2/32WT8 COOL WHITE FLUORESCENT LAMPS



LUMINAIRE TYPE "E" - 2/26W COOL WHITE COMPACT FLUORESCENT LAMPS

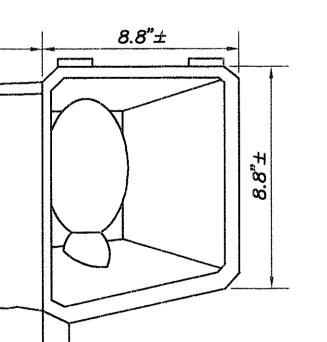


8.8"±

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 REMOTE PHOTOCELL OR MOTION DETECTOR CONTROL AS INDICATED ON PLANS FORMED ALUMINUM REFLECTOR

LUMINAIRE TYPE "G" - 70W HIGH PRESSURE SODIUM LAMP

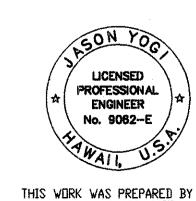
LUMINAIRE TYPE "F" - 70W HIGH PRESSURE SODIUM LAMP



HIGH IMPACT, 0.125" CLEAR ACRYLIC ENCLOSURE. ONE PIECE NEOPRENE GASKET. HIGH-IMPACT PLASTIC BODY SUITABLE FOR WET LOCATIONS PER NATIONAL ELECTRICAL CODE. GASKET TO BE 0.125" CONTINUOUS COMPRESSIBLE NEOPRENE. INTERNAL METAL WIRING COMPARTMENT TREATED WITH 5-STAGE ZINC PHOSPHATE AND HOT-BONDED ENAMEL PAINT. REFLECTING SURFACES FINISHED WITH HIGH-REFLECTANCE WHITE ENAMEL.

FIXTURE SHALL BE SUITABLE FOR WET LOCATIONS. 120V, ELECTRONIC BALLAST

LUMINAIRE TYPE "H" - 2/32WT8 COOL WHITE FLUORESCENT LAMPS



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

LUMINAIRE DETAILS

HAUULA BASEYARD **IMPROVEMENTS** 

Project No. HWY-0-03-98

Date: APRIL 2000 Scale: AS SHOWN

SHEET No. E-4 OF 60 SHEETS

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

59

FISCAL SHEET YEAR NO.

2000

PROJ. NO.

HAW. HWY-0-03-98

DIST. NO.

STATE

±4-3/4"

±4-3/4"

THREADED SEAL FITTINGS PROVIDED

ON TOP AND BOTTOM, COVERED WITH THREADED PLASTIC CAPS

BUII	LDING ENERGY E	FFICIENCY	STANDARDS	S			
EXTERIOR LIGHTII	NG POWER ALLOWANCE	1520	INSTALLED _	1330			
INTERIOR LIGHTIN	NG POWER ALLOWANCE	2790	INSTALLED _	2708			
METHOD USED: PRESCRIPTIVE X SYSTEM PERFORMANCE (CHECK ONE)							
CALCULATIONS: (CHECK ONE)	SEPARATE	ON DRAWING	s <u>X</u>				

ORGANIZATION CONTROL C				<u></u>	
BUILDING ENERGY EFFI	CIENC	Y ST	ANDAR	OS CAL	CULATIONS
BUILDING TYPE  F SERVICE ESTABLISHMENT  NA  NA	2624 0	sq ft sq ft sq ft Gross		BUILDING DATE YEAR	APRIL 13, 2000 1993
BUILDING DESIGN Interior Lighting Power Exterior Lighting Power		2708 1330		.808 W/G	Gross sq ft
**********	******	*****	*******	******	******
PRESCRIPTIVE CRITERIA  Unit Lighting Power Allowd Interior Lighting Power All			0.832 2790	W/Gross W	sq ft
SYSTEM PERFORMANCE CRIT Unit Power Density Interior Lighting Power Al		<b>:</b>	NA NA	W/Gross W	sq ft
Exterior Lighting Power A		e	1520	W	
***	** F	PASSES	****		
************	******	<*****	*****	******	*******

FISCAL SHEET YEAR NO. PROJ. NO. DIST. NO. STATE SHEETS HAW. HWY-0-03-98 2000

REVISED ORDINANCES OF HONOLULU CHAPTER 32 BUILDING ENERGY EFFICIENCY STANDARDS

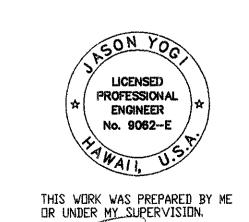
THE BUILDING ENERGY EFFICIENCY STANDARDS HAVE BEEN REVIEWED AND TO THE BEST OF MY KNOWLEDGE THIS DESIGN SUBSTANTIALLY CONFORMS TO ELECTRICAL AND LIGHTING REQUIREMENTS OF SECTIONS 5.3 AND 6.3.

Name (Print)

LICENSED PROFESSIONAL. ENGINEER No. 9062-E

Principal

E-5



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION BUILDING ENERGY EFFICIENCY CALCULATIONS

HAUULA BASEYARD <u>IMPROVEMENTS</u>

Project No. HWY-0-03-98

Date: APRIL 2000 Scale: AS SHOWN SHEET No. E-5 OF 60 SHEETS

60