

5/13/22-16:51 Y:\168\168.009\168.009 E23.S101.dwg

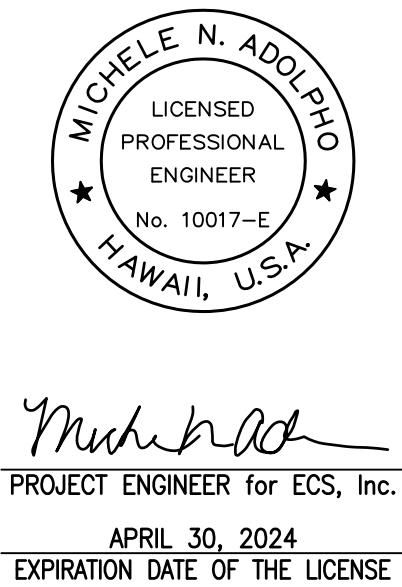
DESIGNED BY	DATE
CHECKED BY	
DRAWN BY	
IN CHARGE BY	
DATE	
NO.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-ART18-01	2022	80	80

WIRE SIZE (AWG)	PANEL P		208 VOLTS, 3 PHASE, 4 WIRE 3P200 AMP MAIN BREAKER 225A BUS				MIN AIC: 10,000 MOUNTING: SURFACE		WIRE SIZE (AWG)
	CKT NO	USE	CKT BKR POLE AMP	CONNECTED LOAD (KVA)			CKT BKR AMP POLE	USE	CKT NO
	12 1	RECEPT-COMM RM	1 20	0.5	0.8		20 1	LTS OPEN OFFICE	2 12
	12 3	RECEPT-COMM RM	1 20		0.5	0.8	20 1	LTS-OFFICES/TOILETS	4 12
	12 5	RECEPT-COMM RM	1 20				20 1	LTS-BLDG EXTERIOR	6 12
	12 7	RECEPT-COPIER	1 20	1.2	2.4		30	ACCU-1	8 10
	12 9	RECEPT-CONF. AREA	1 20				2		10 10
	12 11	RECEPT-CONF. AREA	1 20		0.6	2.4			12 12
	12 13	RECEPT-OFFICES	1 20	0.8	0.9		15	ACCU-2	12 12
	12 15	RECEPT-OFFICES	1 20		0.8	0.6	15	FCUS	14 12
	12 17	RECEPT-OFFICES	1 20				2		16 12
	12 19	RECEPT-OFFICES	1 20	0.6	0.6		20 1	OAF-1	18 12
	12 21	RECEPT-CLOSET/HALL	1 20		1.4	1.0	20 1	OAF-2	20 12
	12 23	RECEPT-REFRIG.	1 20				20 1	EF-1, EF-2	22 12
	12 25	RECEPT-KITCHEN	1 20	0.8	-		-	1 PFB	24 12
	12 27	RECEPT-KITCHEN	1 20		0.8	-	-	1 PFB	26 -
	12 29	WORKSTATIONS	1 20			0.8	-	1 PFB	28 -
	12 31	WORKSTATIONS	1 20	0.8	-		-	1 PFB	30 -
	12 33	WORKSTATIONS	1 20			0.8	-	1 PFB	32 -
	12 35	WORKSTATIONS	1 20				-	1 PFB	34 -
	12 37	WORKSTATIONS	1 20	0.8	3.0		40		36 -
	12 39	WORKSTATIONS	1 20		0.8	3.0		INVERTER	38 8
	- 41	SPARE	1 20		0.8	3.0	3		40 8
CONNECTED LOAD/PHASE				12.2	13.5	11.3			
TOTAL CONNECTED LOAD				37.0	KVA				
DEMAND FACTOR				0.9					
TOTAL DEMAND LOAD				33.3	KVA=	92 AMPS			

WIRE SIZE (AWG)	PANEL F		208 VOLTS, 3 PHASE, 4 WIRE 100 AMP MAIN LUGS				MIN AIC: 10,000 MOUNTING: SURFACE		WIRE SIZE (AWG)
	CKT NO	USE	CKT BKR POLE AMP	CONNECTED LOAD (KVA)			CKT BKR AMP POLE	USE	CKT NO
	12 1	WORKSTATIONS	1 20	0.8	1.0		20 1	SPARE	2 -
	12 3	WORKSTATIONS	1 20		0.8	1.0	20 1	SPARE	4 -
	12 5	WORKSTATIONS	1 20				20 1	SPARE	6 -
	12 7	WORKSTATIONS	1 20	0.8	-		-	1 PFB	8 -
	12 9	WORKSTATIONS	1 20		0.8	-	-	1 PFB	10 -
	12 11	WORKSTATIONS	1 20				-	1 PFB	12 -
	12 13	WORKSTATIONS	1 20	0.8	-		-	1 PFB	14 -
	12 15	WORKSTATIONS	1 20		0.8	-	-	1 PFB	16 -
	12 17	WORKSTATIONS	1 20				-	1 PFB	18 -
	12 19	WORKSTATIONS	1 20	0.8	-		-	1 PFB	20 -
	12 21	WORKSTATIONS	1 20		0.8	-	-	1 PFB	22 -
	12 23	WORKSTATIONS	1 20			0.8	-	1 PFB	24 -
CONNECTED LOAD/PHASE				4.2	4.2	4.2			
TOTAL CONNECTED LOAD				12.6	KVA				
DEMAND FACTOR				0.8					
TOTAL DEMAND LOAD				10.1	KVA=	28 AMPS			

LUMINAIRE SCHEDULE		
TYPE	DESCRIPTION	LAMPS
①	LED RECESSED 2' x 2', DIRECT/INDIRECT OPTICS, BACKLIT CURVED LENS WITH CURVED FLOATING CENTER DETAIL, DIE-FORMED STEEL HOUSING, DIFFUSE POLYCARBONATE LENS WITH ACRYLIC CENTER, WHITE POLYESTER POWDER COAT FINISH, 10 WATT EMERGENCY BATTERY PACK WHERE INDICATED, 4210 LUMENS H.E. WILLIAMS #AT1-2-2-L40-80-40-D-EM/10W OR APPROVED EQUIVALENT	37W 4000K
②	LED CEILING RECESSED SLOT LIGHT, 5" WIDE, ROW MOUNT, LENGTHS AS SCALED ON PLAN, DIE-FORMED STEEL HOUSING, DIFFUSE MATTE ACRYLIC LENS, FLANGE TRIM 120-277V DRIVER, 800 LUMENS PER FOOT HE WILLIAMS #LRX5-F-LENGTH-L8-80-40-DMA OR APPROVED EQUIVALENT	6W PER FOOT 4000K
③	LED NARROW WRAPAROUND, CEILING MOUNTED, 4 FOOT LONG, STEEL HOUSING, FROSTED ACRYLIC LENS, POLYCARBONATE END CAPS, DAMP LOCATION, 4000 LUMENS, 120V COLUMBIA #CNW4-LSCS OR APPROVED EQUIVALENT	35W 4000K
④	LED RECESSED 2' x 2', DIRECT/INDIRECT OPTICS, BACKLIT CURVED LENS WITH CURVED FLOATING CENTER DETAIL, DIE-FORMED STEEL HOUSING, DIFFUSE POLYCARBONATE LENS WITH ACRYLIC CENTER, WHITE POLYESTER POWDER COAT FINISH, FLANGE TRIM, 4210 LUMENS H.E. WILLIAMS #AT1-2-2-L40-80-40-D-F OR APPROVED EQUIVALENT	37W 4000K
⑤	LED WALL PACK, MOUNTED AT +9'-0", CAST ALUMINUM HOUSING, DARK BRONZE POLYESTER POWDER COAT FINISH, FULLY SHIELDED IMPACT RESISTANT TEMPERED GLASS LENS, ASYMMETRIC FORWARD THROW, INTEGRAL PHOTOCCELL/OCCUPANCY SENSOR CONTROLS WET LOCATION, 5000 LUMENS, 120V GE# EWAS-01-0-BX-AF-40-N-DKBZ-H/WS-FSIR-100	36W 4000K
⊗ ⊗	LED EXIT SIGN, MOUNTING AND DIRECTIONAL ARROWS AS INDICATED, EDGE LIT, BRUSHED ALUMINUM HOUSING, RED LETTERS, SELF-CONTAINED BATTERY PACK WITH TEST SWITCH AND INDICATOR LAMP EVENLITE SOVEREIGN SERIES OR APPROVED EQUIVALENT	LED



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LUMINAIRE SCHEDULE AND PANEL SCHEDULE

MAUI DISTRICT BASEYARD
Project No. HWY-M-ART18.01

Scale: AS SHOWN Date: MAY 2022

SHEET No. E23 OF 80 SHEETS