

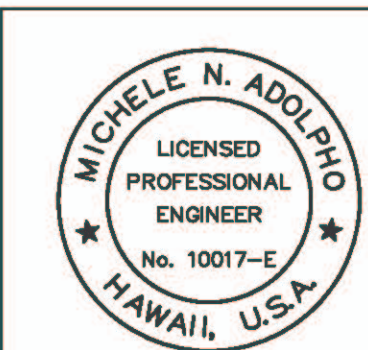
NOTES:

1. SYSTEMS FURNITURE CONNECTION VIA FLEXIBLE CONDUIT WHIP.
2. PREWIRED SYSTEMS FURNITURE CONSISTS OF A 4-CIRCUIT, 8-WIRE CONFIGURATION WITH 3 HOT, 1 SHARED NEUTRAL, 1 SHARED EQUIPMENT GROUNDING CONDUCTOR, AND 1 DEDICATED HOT, 1 DEDICATED NEUTRAL, AND 1 DEDICATED EQUIPMENT GROUNDING CONDUCTOR. A MAXIMUM OF 6 NEMA 5-15R OR NEMA 5-20R RECEPTACLES SHALL BE ASSIGNED TO A 1P20A BRANCH CIRCUIT. FOLLOW THE MANUFACTURER'S INSTRUCTIONS FOR TYING THE ISOLATED GROUND TERMINAL WITH THE COMMON GROUND TERMINAL OF THE SYSTEMS FURNITURE.
3. THE PREWIRED SYSTEMS FURNITURE SHALL BE SERVED BY CIRCUITS 5 AND 7 FROM EXISTING PANEL A. WITHIN THE SYSTEMS FURNITURE, CIRCUIT 5 SHALL BE SUPPORTED BY THE SHARED NEUTRAL AND SHALL SERVE GENERAL PURPOSE RECEPTACLES. CIRCUIT 7 SHALL BE SUPPORTED BY THE DEDICATED NEUTRAL AND SHALL SERVE THE NEW COMPUTER WORKSTATION AT EACH MODULAR DESK. COORDINATE WITH THE SYSTEMS FURNITURE MANUFACTURER TO MAKE THE REQUIRED CONNECTIONS.
4. PROVIDE NEW CIRCUIT BREAKERS ON PFB SPACES.

ORIGINAL CIRCUIT #	WIRE SIZE (AWG)		EXISTING PANEL A										240/120 VOLTS, 1 PHASE, 3 WIRE 2P100A MAIN BREAKER GE SERIES A AQF1361ABX										MIN AIC: 10,000 MOUNTING: SURFACE										WIRE SIZE (AWG)		ORIGINAL CIRCUIT #
	CKT NO	USE	CKT POLE	BKR AMP	CONN LOAD (KVA)				CKT AMP		BKR POLE		USE	CKT NO	WIRE	SIZE	WIRE	SIZE																	
-	8	1	ACCU-1/FCU-1	2		1.7	1.0			20	1	R- MICROWAVE	2	12	-																				
-	8	3		30				1.7	0.8	20	1	R- REFRIGERATOR	4	12	-																				
-	10	5	MODULAR DESK	1	20	0.6	0.9			20	1	R- ICE MAKER	6	12	-																				
-	10	7	MODULAR DESK	1	20			0.6	0.5	20	1	R- SAO	8	12	-																				
-	10	9	R - EXTERIOR	1	20	0.2	-			20	1	PFB	10	-	-																				
-	10	11	R - OFFICE	1	20			0.2	0.2	20	1	R- RESTROOM	12	10	-																				
-	-	13	PFB	1	-	-	-			20	1	PFB	14	-	-																				
-	-	15	PFB	1	-			-	0.2	20	1	R- KITCHENETTE	16	12	-																				
1	*	17	LIGHTS	1	20	0.6	0.2			20	1	RECEPTACLE	18	*	2																				
3	*	19	ENTRANCE LIGHTS	1	20			0.5	-	15	1	SPARE	20	*	4																				
5	*	21	LIGHTS	1	20	0.5	0.2			20	1	RECEPTACLE	22	*	6																				
7	*	23	R- PRINTER TABLE	1	20			0.2	0.4	20	1	R - WATER HEATER CL	24	*	8																				
9	*	25	RECEPTACLE	1	20	0.2	0.2			20	1	RECEPTACLE	26	*	10																				
11	*	27	GARAGE TIME CLOCK	1	20			0.2	0.4	20	1	H2S - CIS CAMERA	28	*	12																				
13	*	29	GARAGE PLUG	1	20	0.4	1.0			20	1	R - WATER COOLER	30	*	14																				
15	*	31	GARAGE LIGHTS	1	20			0.5	0.2	20	1	UNDER CAB LIGHT	32	*	16																				
17	12	33	R- MONITOR	1	20	0.4	2.3			30		WATER HEATER	34	*	18																				
19	-	35	SPARE	1	20			-	2.3		2		36	*	20																				
CONNECTED LOAD/PHASE TOTAL CONNECTED LOAD DEMAND FACTOR TOTAL DEMAND LOAD				10.4		8.9				* = EXISTING CIRCUIT TO REMAIN																									
				19.3		KVA																													
				0.8																															
				15.5		KVA = 64.6														AMPS															

PANEL A NOTE:

THE PANEL SCHEDULE FOR PANEL A INCLUDES THE ORIGINAL CIRCUIT NUMBERING OF EACH BREAKER SPACE. THE CONTRACTOR SHALL UPDATE THE CIRCUIT NUMBERING OF EACH BREAKER SPACE WITH THE NEW CIRCUIT NUMBER IDENTIFIED. PROVIDE AN UPDATED LABEL AT THE PANEL WITH THE NEW CIRCUIT NUMBER AT EACH BREAKER SPACE. FOR EXISTING CIRCUITS, REPLACE THE ORIGINAL CIRCUIT NUMBER LABELS WITH NEW LABELS INDICATING THE NEW CIRCUIT NUMBER. PROVIDE A NEW TYPEWRITTEN PANEL DIRECTORY WITH THE NEW CIRCUIT ASSIGNMENTS.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

PROJECT ENGINEER FOR EGS, INC.

APRIL 30, 2024

EXPIRATION DATE OF LICENSE

REV	DATE	DESCRIPTION	BY	APPROVED
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION				
JOB TITLE REPAIR HARBOR AGENT'S OFFICE AT KALAELOA BARBERS POINT HARBOR KALAELOA BARBERS POINT HARBOR, OAHU, HAWAII				
SHEET TITLE ELECTRICAL PLAN				
DESIGNED BY: JC			SHEET E-3	
DRAWN BY: OL			15 OF 16 SHEETS	
CHECKED BY: MA				
DATE: JAN. 2023				
SCALE: AS NOTED				