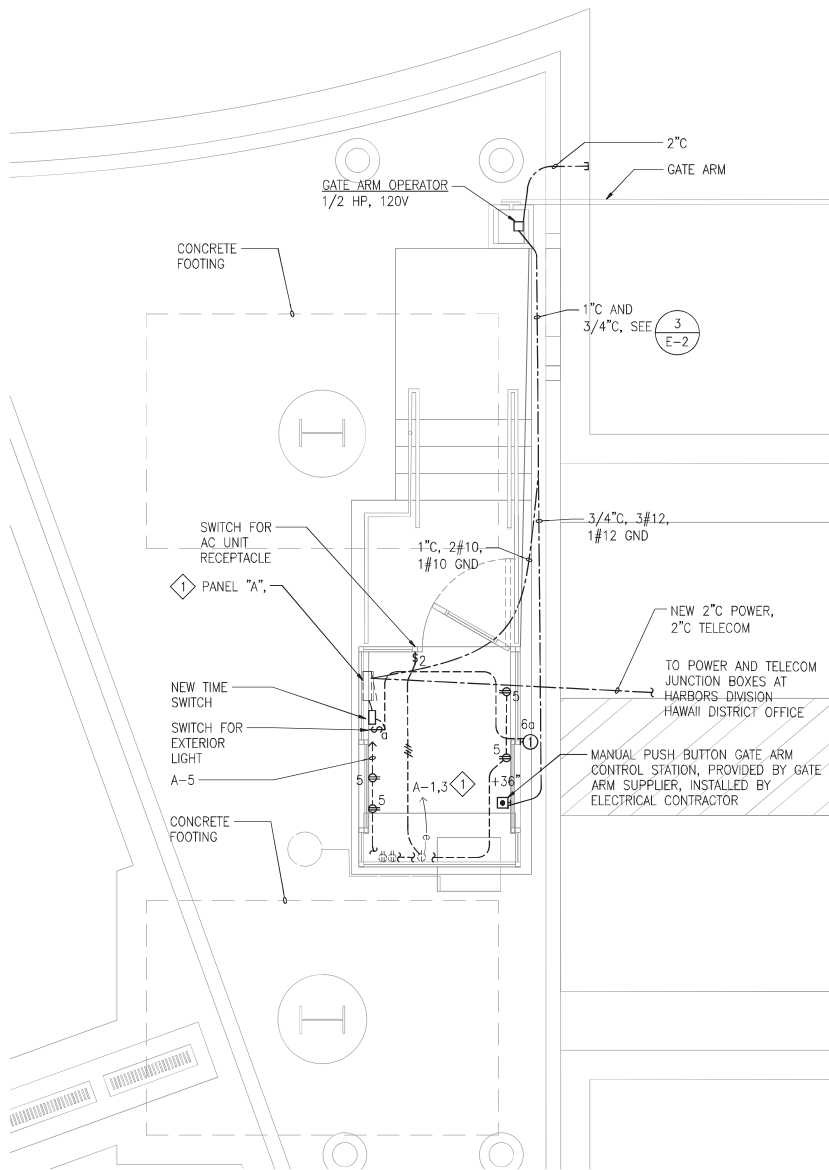
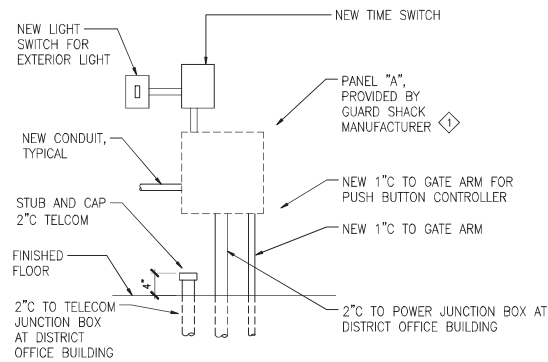
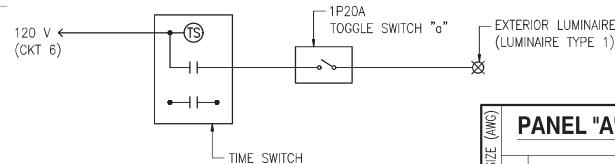




1
E-3 GUARD SHACK ELECTRICAL PLAN
SCALE: 1/2" = 1'-0"



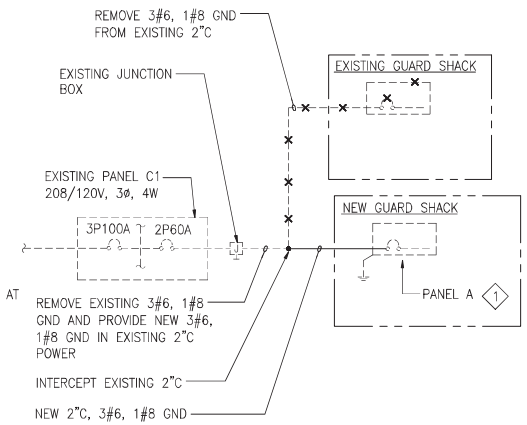
2
E-3 PANEL A ELEVATION
NOT TO SCALE



3
E-3 LIGHTING CONTROL DIAGRAM
NO SCALE

NOTE:

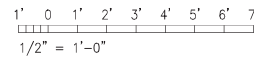
THE GUARD SHACK IS A PREFABRICATED, PREWIRED ASSEMBLY, COMPLETE WITH A 120/208V, 1Ø, 3W, LOADCENTER, INTERIOR LUMINAIRES, WIRING DEVICES, AND ASSOCIATED BRANCH CIRCUITING. UNLESS OTHERWISE INDICATED, WORK SHOWN ON THE DRAWINGS IS NOT PART OF THE PREWIRED ASSEMBLY AND SHALL BE PROVIDED BY THE CONTRACTOR.



4
E-3 ONE-LINE DIAGRAM
NO SCALE

PANEL "A"				120/208 VOLTS, 1 PHASE, 3 WIRE				MOUNTING: SURFACE					
				2P60 AMP MAIN BREAKER									
WIRE SIZE (AWG)	CKT NO	USE	CKT BKR		CONN LOAD (KVA)		CKT BKR		USE	CKT NO	WIRE SIZE (AWG)		
			POLE	AMP	PHASE A	PHASE B	AMP	POLE					
	* 1	AC UNIT	2	20	2.7	0.4	20	1	RECEPTACLES	2	12		
	* 3		1	20		2.7	0.6	20	1	INTERIOR LIGHTS	4	12	
	12	5 RECEPTACLES	1	20	0.8	0.4		20	1	EXTERIOR LIGHT	6	12	
	- 7	PFB	1	-			-	1.2	20	1	GATE ARM	8	12
	- 9	PFB	1	-	-	-		-	1	PFB	10	-	
	- 11	PFB	1	-			-	-	1	PFB	12	-	
CONNECTED LOAD/PHASE					4.3	4.5	* BREAKER AND BRANCH CIRCUIT PROVIDED AS PART OF PREWIRED GUARD SHACK ASSEMBLY						
TOTAL CONNECTED LOAD					8.7	KVA							
DEMAND FACTOR					0.8								
TOTAL DEMAND LOAD					7	KVA = 19 AMPS	NEW 1P20A BREAKER IN PFB SPACE						

GRAPHIC SCALE



		REV DATE DESCRIPTION BY APPROVED	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION			
JOB TITLE REPAIR GUARD SHACK HILO HARBOR, HAWAII			
SHEET TITLE GUARD SHACK ELECTRICAL PLANS			
DESIGNED BY: AM DRAWN BY: IP CHECKED BY: MA DATE: FEB, 2023 EXPIRATION DATE OF LICENSE: APRIL 30, 2024	JOB NUMBER H.C. 50173	SHEET E-3	22 of 22 SHEETS