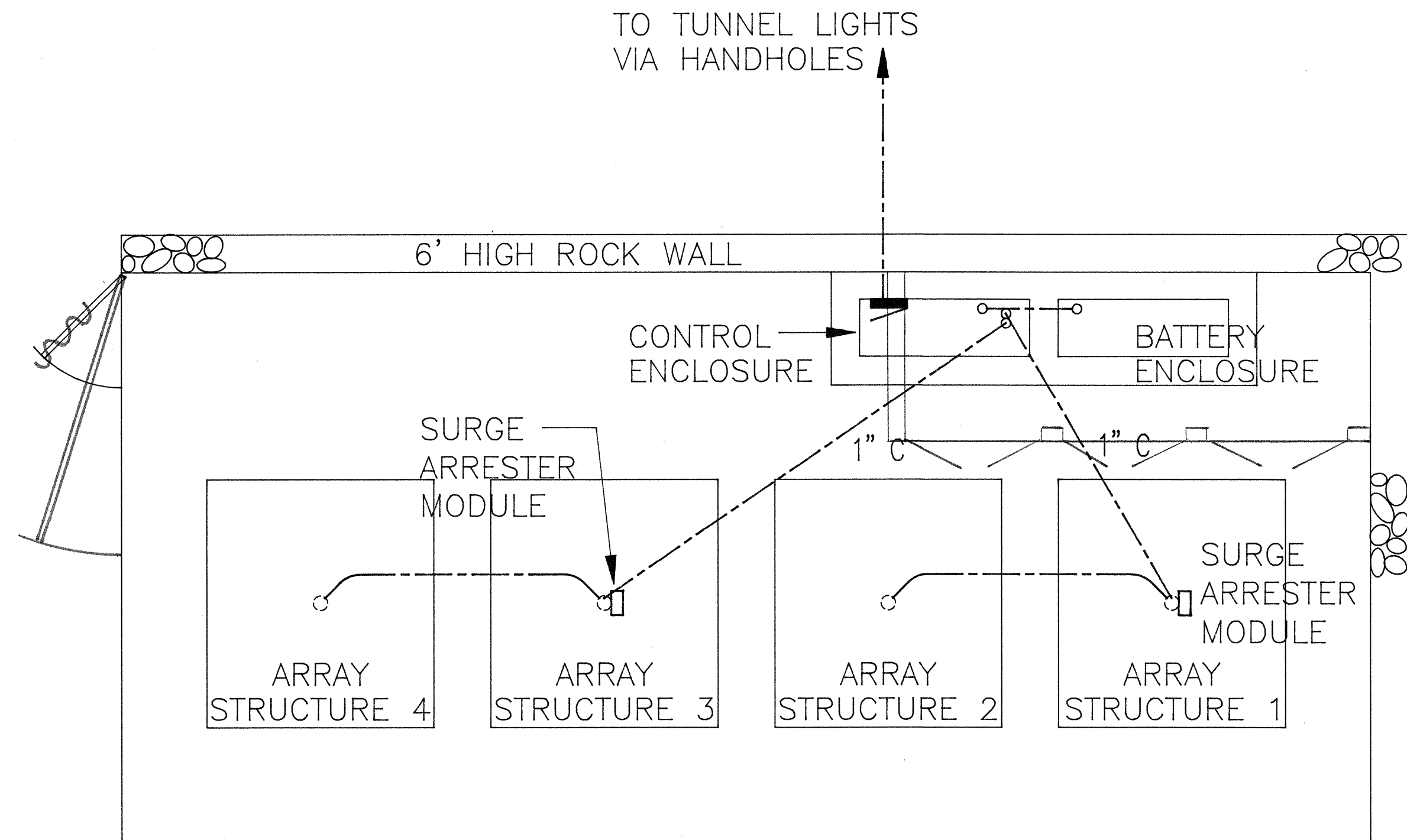
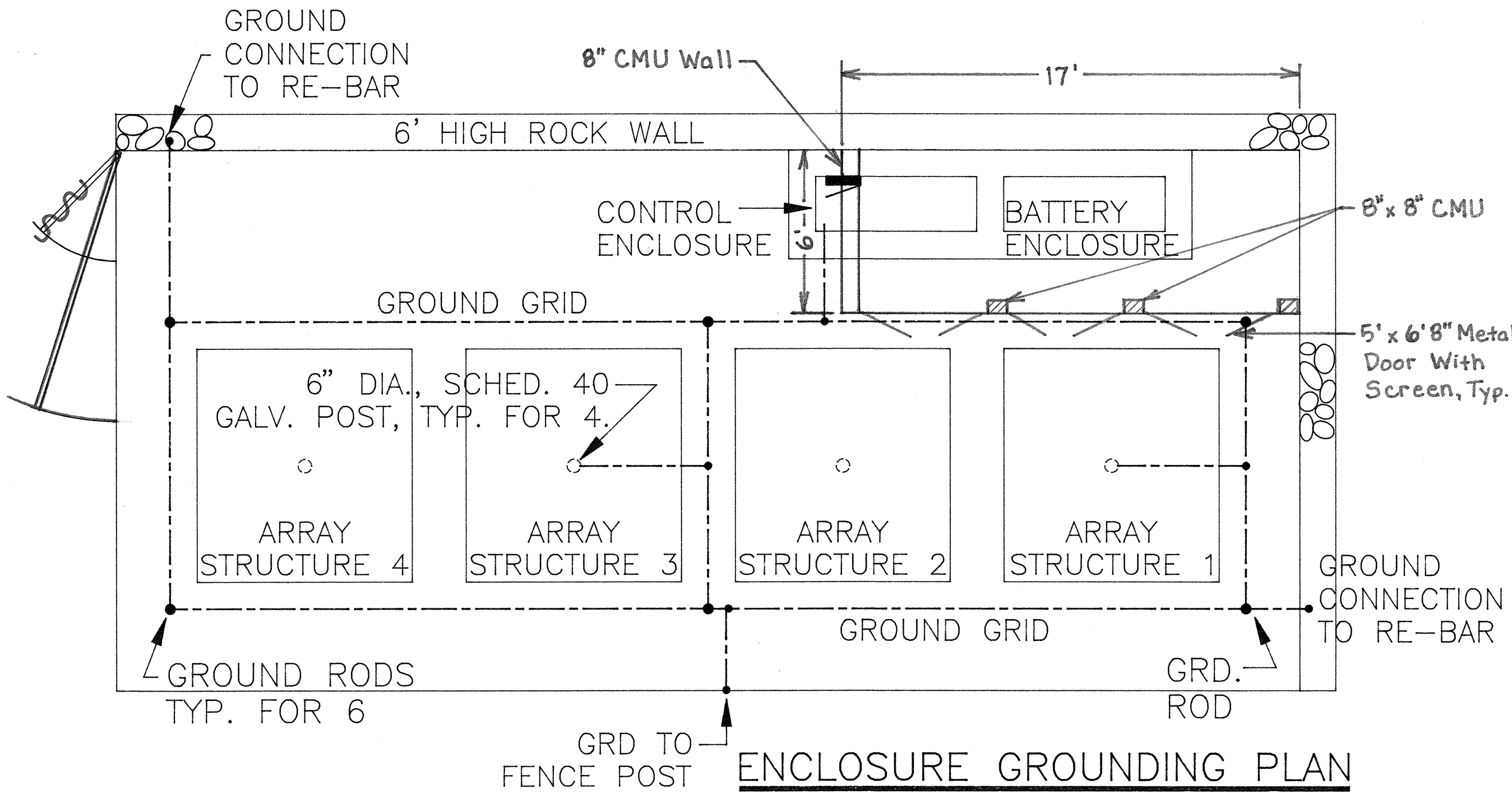




ENCLOSURE POWER PLAN
SCALE: 1/4" = 1'-0"



ENCLOSURE GROUNDING PLAN
SCALE: 1/4" = 1'-0"

GROUNDING NOTES:

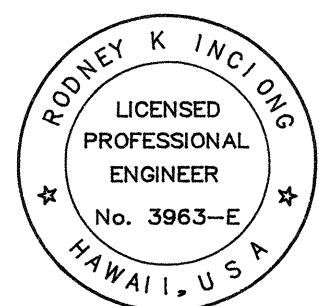
1. GROUNDING GRID WIRE SHALL BE 4/0 COPPER, 24" DEPTH.
2. GROUND RODS SHALL BE 3/4" DIA X 8'-0".
3. CADWELL SHALL BE USED FOR CONNECTIONS.

PANEL <u>A</u>		VOLTAGE <u>240</u> <u>1</u> PHASE <u>3</u> WIRE		BREAKER MIN. AIC: <u>22,000</u>							
SURFACE MOUNTED		BOLT-ON		<u>150</u> AMPS MAIN LUGS							
NEMA 3R				PANEL MAIN BREAKER: <u>150A</u>							
CKT NO.	TYPE OF LOAD	KVA		CKT BKR	WIRE SIZE	CKT NO.	TYPE OF LOAD	KVA		CKT BKR	WIRE SIZE
		AØ	BØ					AØ	BØ		
1	TUNNEL LIGHTS	1.0		2P20	10	2	TUNNEL LIGHTS	1.0		2P20	10
3			1.0		10	4			1.0		10
5	TUNNEL LIGHTS	1.0		2P20	10	6	TUNNEL LIGHTS	1.0		2P20	10
7			1.0		10	8			1.0		10
9	TUNNEL LIGHTS	1.0		2P20	10	10	TUNNEL LIGHTS	1.0		2P20	10
11			1.0		10	12			1.0		10
13	TUNNEL LIGHTS	1.0		2P20	8	14	TUNNEL LIGHTS	1.0		2P20	8
15			1.0		8	16			1.0		8
17	TUNNEL LIGHTS	1.0		2P20	8	18	TUNNEL LIGHTS	1.0		2P20	8
19			1.0		8	20			1.0		8
21	FLASHER LIGHTS	0.1		2P20	8	22	BLANK				
23			0.1		8	24					
25	BLANK					26					
27						28					
29						30					
CONNECTED KVA: <u>20.2</u>		DEMAND FACTOR: <u>1.0</u>		DEMAND KVA: <u>20.2 (84.2 AMPS)</u>							
L DENOTES LIGHTS; R DENOTES RECEPTACLES NO HALF SIZE BREAKERS											

LUMINAIRE AND CONDUCTOR IDENTIFICATION:

AFFIX TAGS OF RIGID, NON-FERROUS MATERIAL, WITH MACHINE EMBOSSED LEGEND ON TWO SIDES WITH NON-FERROUS WIRE FEEDER, BRANCH FEEDERS, AND SUB-BRANCH CONDUCTORS IN PULLBOXES AND LIGHT STANDARD BASES. LEGEND SHALL INDICATE FEEDER DESIGNATION AND BE IN LETTER QUARTER INCH HIGH.

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL ENCLOSURE PLAN

HONOAPIILANI HIGHWAY
BIKEWAY IMPROVEMENTS,
SHAW STREET TO MAALAEA HARBOR
Project No. STP-0900(52)

Scale: AS NOTED Date: DEC. 1997

SHEET No. 1 OF 1 SHEETS