



### GENERAL SHEET NOTES

- REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- COORDINATE REQUESTS TO REUSE DEMOLISHED/ REMOVED EQUIPMENT WITH CLIENT AND ENGINEER.
- DISTRIBUTION PANELBOARD A LOCATED ON LEVEL 1 IN ELECTRICAL ROOM 103.
- ALL BOXES, FITTINGS, TERMINATIONS, ETC SHALL BE SUITABLE FOR WET LOCATIONS WHERE LOCATED OUTSIDE THE BUILDING.
- ALL BOXES AND CONDUITS SHALL BE INSTALLED AND SUPPORTED PER CEC REQUIREMENTS.
- ALL WIRING TO BE 600V, DUAL RATED THHN/THHW.
- ALL WIRING TO BE IN EMT CONDUIT. WHERE FLEX CONNECTIONS ARE REQUIRED OUTSIDE IT SHALL BE DONE IN A LIQUID TIGHT FLEX CONDUIT.
- IF AN EXISTING BREAKER NOTED TO BE REMOVED IS THE AMP RATING AS A NEW BREAKER NOTED FOR THE NEW EQUIPMENT IT CAN BE REUSED.

### NUMBERED SHEET NOTES

- EXISTING EQUIPMENT AND ASSOCIATED FEEDER SHALL BE DEMOLISHED AND REPLACED. REMOVE EXISTING BREAKER SERVING EQUIPMENT AND PROVIDE 150 AMP 3 POLE BREAKER IN DISTRIBUTION PANEL A. PROVIDE 3 #10 CU AND 1 #10 CU GND IN 1" C FROM DISTRIBUTION PANEL A. PROVIDE FLEXIBLE CONNECTION FROM DISCONNECT TO MOTOR.
- EXISTING EQUIPMENT AND ASSOCIATED FEEDER SHALL BE DEMOLISHED AND REPLACED. REMOVE EXISTING BREAKER SERVING EQUIPMENT AND PROVIDE 60 AMP 3 POLE BREAKER IN DISTRIBUTION PANEL A. PROVIDE 3 #8 CU AND 1 #10 CU GND IN 1" C FROM DISTRIBUTION PANEL A. PROVIDE FLEXIBLE CONNECTION FROM DISCONNECT TO MOTOR.
- EXISTING EQUIPMENT AND ASSOCIATED FEEDER SHALL BE DEMOLISHED AND REPLACED. REMOVE EXISTING BREAKER SERVING EQUIPMENT AND PROVIDE 40 AMP 3 POLE BREAKER IN DISTRIBUTION PANEL A. PROVIDE 3 #8 CU AND 1 #10 CU GND IN 1" C FROM DISTRIBUTION PANEL A. PROVIDE FLEXIBLE CONNECTION FROM DISCONNECT TO MOTOR.
- EXISTING EQUIPMENT AND ASSOCIATED FEEDER SHALL BE DEMOLISHED AND REPLACED. REMOVE EXISTING BREAKER SERVING EQUIPMENT AND PROVIDE 35 AMP 2 POLE BREAKER IN DISTRIBUTION PANEL A. PROVIDE 3 #10 CU AND 1 #10 CU GND IN 1" C FROM DISTRIBUTION PANEL A. PROVIDE FLEXIBLE CONNECTION FROM DISCONNECT TO MOTOR.
- PROVIDE 40 AMP 2 POLE BREAKER IN DISTRIBUTION PANEL A. PROVIDE 3 #8 CU AND 1 #10 CU GND IN 1" C FROM DISTRIBUTION PANEL A. PROVIDE FLEXIBLE CONNECTION FROM DISCONNECT TO MOTOR.

### ABBREVIATIONS

A	AMPERES	VFD	VARIABLE FREQUENCY DRIVE
C	CONDUIT	V	VOLTS
CU	COPPER	VA	VOLTS-AMPS
FLA	FULL LOAD AMPERES	WP	WEATHERPROOF
G	GROUND	1Ø	1-PHASE
GFCl	GROUND FAULT CIRCUIT INTERRUPTER	3Ø	3-PHASE
GND	GROUND	1P	1-POLE
MCB	MAIN CIRCUIT BREAKER	2P	2-POLE
(N)	NEW	3P	3-POLE
NF	NON-FUSED	3W	3-WIRE
NIEC	NOT IN ELECTRICAL CONTRACT	4W	4-WIRE
NTS	NOT TO SCALE		
PNL	PANEL		
PVC	POLYVINYL CHLORIDE		
(R)	EXISTING TO BE REMOVED		
(RR)	REMOVE AND RELOCATE		
TYP	TYPICAL		
UON	UNLESS OTHERWISE NOTED		

### SYMBOLS LIST

	ELECTRIC MOTOR, NIEC. MAKE POWER CONNECTIONS ONLY AS NOTED ON PLANS.
	SAFETY DISCONNECT SWITCH, 3 POLE, UON. ADJACENT NUMBER INDICATES FUSE SIZE WHEN APPLICABLE. LABELING CONVENTION AS FOLLOWS: A: 30A, NON-FUSED      AF: 30A, FUSED B: 60A, NON-FUSED      BF: 60A, FUSED C: 100A, NON-FUSED      CF: 100A, FUSED D: 200A, NON-FUSED      DF: 200A, FUSED E: 400A, NON-FUSED      EF: 400A, FUSED F: 600A, NON-FUSED      FF: 600A, FUSED G: 800A, NON-FUSED      GF: 800A, FUSED

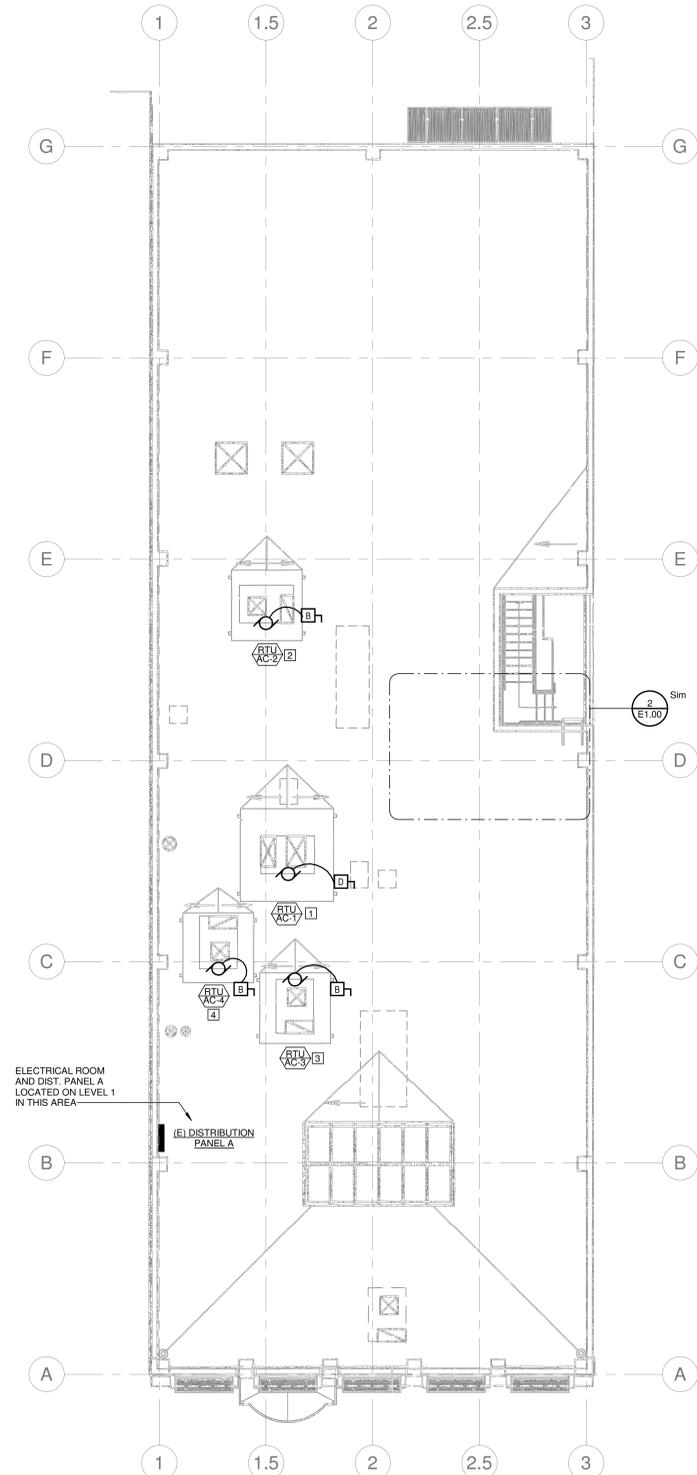
### ELECTRICAL SHEET INDEX

SHEET NO.	SHEET NAME
E1.00	ELECTRICAL PLANS

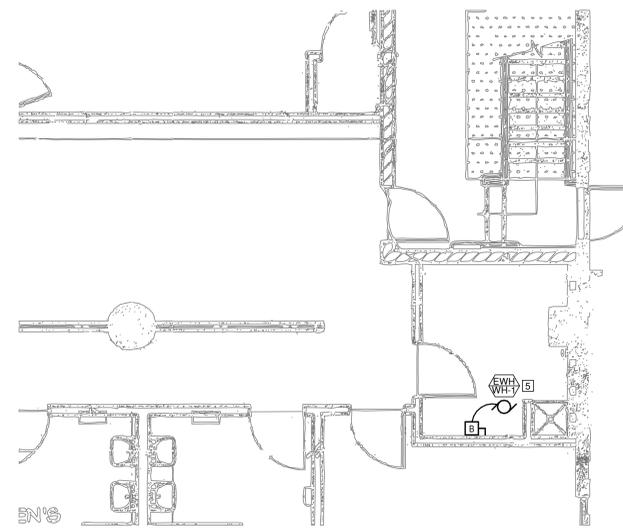
### ELECTRICAL LOAD SUMMARY

EXISTING LOADS	EXISTING LOAD(AMPS)	NEW LOAD(AMPS)	DELTA
AC-1 *	72	108	36
AC-2 *	34	37	3
AC-3 *	28	28	0
AC-4 *	21	22	1
WH-1	0	30	30
ELEVATOR-1	88	88	0
PANEL P1	56.4	56.4	0
PANEL P2	78.1	78.1	0
PANEL L1	42	42	0
<b>SUMMARY</b>	<b>LOAD(AMPS)</b>		
EXISTING PEAK LOAD PER LOAD STUDIES	99.48		
EXISTING LOAD X 1.25 PER CEC 220.87	124.35		
REPLACEMENT EQUIPMENT LOAD**	72		
NEW EQUIPMENT LOAD (WH-1)	30		
<b>TOTAL LOAD: (EXISTING X1.25) + NEW EQUIPMENT</b>	<b>226.35</b>		
EXISTING SERVICE EQUIPMENT AMPERAGE	400		

NOTES:  
 1. PEAK LOAD DETERMINED BY PEAK DEMAND METER READINGS OF THE PG&E UTILITY METER OVER A 3 YEAR PERIOD.  
 \*\*EQUIPMENT TO BE REPLACED IN KIND.  
 \*\*LOAD DELTA BETWEEN EXISTING EQUIPMENT AND RESPECTIVE REPLACEMENT EQUIPMENT, INCLUDING 125% OF LARGEST MOTOR AC-1.



**1 ROOF POWER PLAN**  
 SCALE: 1/8" = 1'-0"



**2 LEVEL 01 ENLARGED PLAN**  
 SCALE: 1/4" = 1'-0"

Stopwaste

1537 WEBSTER ST. OAKLAND, CA

### REVISIONS

#	DESCRIPTION	DATE

DESIGNER: AS

SCALE: As indicated

DATE: 2023.02.10

TITLE:

**ELECTRICAL PLANS**

DRAWING NO.

**E1.00**