

**GENERAL NOTES:**

1. THE FACILITY MAY BE OCCUPIED DURING CONSTRUCTION. COORDINATE ALL SHUTDOWNS AND CONSTRUCTION ACTIVITY WITH FACILITIES STAFF.
2. SIZE AND LOCATION OF ALL EXISTING ELECTRICAL EQUIPMENT IS APPROXIMATE. SITE VERIFY THE EXACT LOCATION OF EXISTING AND CONSTRUCT ALL WORK FROM FIELD DIMENSIONS. MAKE ADJUSTMENTS NECESSARY TO ACCOMMODATE MINOR DEVIATIONS AT NO COST TO OWNER.
3. LIGHT LINE WORK INDICATES EXISTING ELECTRICAL CIRCUITRY AND OTHER ELECTRICAL EQUIPMENT. ELECTRICAL DEVICES AND EQUIPMENT TO BE REMOVED AS NOTED.
4. WHERE EXISTING EQUIPMENT IS REMOVED AND NOT REPLACED IN THE SAME LOCATION, PATCH AND PAINT SURFACES TO MATCH ORIGINAL CONDITION.
5. REMOVE ALL ABANDONED RACEWAY AND WIRING.
6. RECONNECT ALL CIRCUITRY TO REMAINING DEVICES AND EQUIPMENT.
7. REMOVE ALL ABANDONED COMMUNICATIONS/DATA CABLING.
8. PROVIDE BLANK FACE PLATES FOR ALL SWITCHES AND COMMUNICATIONS/DATA BEING REMOVED.
9. WHERE ALL LOAD IS REMOVED FROM A BREAKER PROVIDE NEW TYPED PANEL SCHEDULE IDENTIFYING BREAKER AS "SPARE".
10. PROVIDE HANDLE-TIES FOR ALL BREAKERS THAT SERVE CIRCUITS WITH COMMON NEUTRALS PER NEC.
11. FEEDERS NOT SHOWN FOR REPLACEMENT ARE INTENDED TO BE RECONNECTED AND EXTENDED AS REQUIRED TO NEW SWITCHGEAR AND PANELS. TEST EACH FEEDER FOR CONTINUITY AND SHORTS. NOTE ANY FEEDERS WITH INSULATION IN EXCESS OF 1,000 OHMS PER VOLT.

**REFERENCE NOTES:**

- ① RECONNECT (E) FEEDERS TO NEW SWITCHBOARD AND PANELS. EXTEND FEEDERS AS REQUIRED TO CONNECT TO NEW EQUIPMENT. ANY REQUIRED FEEDER SPLICING SHALL BE MADE WITH CU/AL CRIMP TYPE SPLICE KITS AND HEAT SHRINK INSULATION TO MATCH THE LEVEL OF EXISTING.
- ② EXISTING EQUIPMENT TO REMAIN.

Plan Review Summary			
Scope:	Electrical Distribution Upgrade and Panel Replacement		
Services / Feeders:	Qty	Size	Notes
	1	1200 A	Service Replacement
	7	225 A	Panel Replacement
	1	400 A	Panel Replacement
Branch Circuits:	9	20 A	UV Controls Upgrade
	2	30 A	UV Controls Upgrade

**ABBREVIATIONS**

AFF	ABOVE FINISHED FLOOR	IDF	INTERMEDIATE DISTRIBUTION FRAME
BLDG	BLDG	L.V.	LOW VOLTAGE
C	CONDUIT	MDF	MAIN DISTRIBUTION FRAME
cd	CANDELA	MECH	MECHANICAL
Ckt	CIRCUIT	NEW	NEW
DIM	O-LOV DIMMING	PAN	PANEL
DSP	DIGITAL SIGNAL PROCESSOR	PRS	PROGRAM RAPID START
(E)	EXISTING	SWBD	SWITCHBOARD
ELEG	ELECTRICAL	TTB	TELEPHONE TERMINAL BOARD
EMERG	EMERGENCY	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
FAM	FIRE ALARM MASTER	TYP	TYPICAL
GFI	GROUND FAULT INTERRUPTER	WG	WIREGUARD
GND	GROUND	WP	WEATHERPROOF
HVAC	HEATING, VENTILATING, & AIR CONDITIONING		

**SYMBOLS AND ABBREVIATIONS LEGEND**

**POWER**

NEW CONCEALED RACEWAY AND WIRE. NUMBER OF SLASHES INDICATES NUMBER OF CONDUCTORS IF MORE THAN TWO. SIZE OTHER THAN #12 AS NOTED. (APPLIES TO ALL WIRING SYMBOLS). BRANCH CIRCUIT WIRING NOT SHOWN.

UNDERGROUND OR UNDERFLOOR RACEWAY

HOMERUN, PANEL # / CIRCUIT NUMBER. WIRING, OTHER THAN FEEDERS NOT SHOWN.

F SIGNAL WIRING: F = FIRE ALARM, I = INTERCOM, C = LOW VOLTAGE CONTROL, T = TELEPHONE, D = DATA, TV = TELEVISION, P = CLOCK PROGRAM, PC = PHOTO CONTROL

CONDUIT UP  
CONDUIT DOWN

PANELBOARD

SWITCH: "a" = CIRCUITS CONTROLLED, "k" = KEY SWITCH, "p" = W/PILOT LIGHT, "2" = DOUBLE POLE, "3" = THREE-WAY, "M" = AUTOMATIC WALL SWITCH, "D" = DIMMING SWITCH, "TS" = DIGITAL TIMER SWITCH

JUNCTION BOX

DUPLEX RECEPTACLE - "WP" = WEATHERPROOF, "GF" = GROUND FAULT INTERRUPTER TYPE, "H" = MOUNTING HEIGHT, "a" = CIRCUIT #, "AFI" = ARC FAULT INTERRUPTER, "USB" = WITH CHARGING PORTS, "D" = ON DEDICATED CIRCUIT, "L" = LOCKING

SURFACE RECEPTACLE RACEWAY

DOUBLE DUPLEX (QUAD) RECEPTACLE

TV OUTLET

SPECIAL RECEPTACLE. CONFIGURATION AS NOTED.

DISCONNECT SWITCH

MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION & LOCKABLE OFF COVER

**LIGHT FIXTURES**

AI FIXTURE IDENTIFIER. FIXTURE TYPE "AI" SEE LIGHTING FIXTURE SCHEDULE.

□ SURFACE MOUNT FLUORESCENT - DRAWN TO SCALE WHERE POSSIBLE

□ FLUORESCENT WITH EMERGENCY BATTERY BACKUP

□ FLUORESCENT LUMINAIRE IN 4', 8', & 12' LENGTHS, MOUNTED END-TO-END WHERE SHOWN

□ TRACK LIGHT

□ LIGHT LEVEL SENSOR, PHOTO CELL

□ CEILING MOUNTED MOTION SENSOR COMPLETE SYSTEM WITH POWER PACK.

□ POWER PACK

□ WALL MOUNT FIXTURE

**FIRE ALARM & SECURITY**

□ FIRE ALARM SYSTEM SPEAKER W/ STROBE LIGHT. MOUNT @ 80" A.F.F.

□ FIRE ALARM SYSTEM MANUAL PULL STATION

□ FIRE ALARM SYSTEM SMOKE DETECTOR  
D = DUCT DETECTOR R = RELAY BASE

□ FIRE ALARM ANNUNCIATOR

**GENERAL**

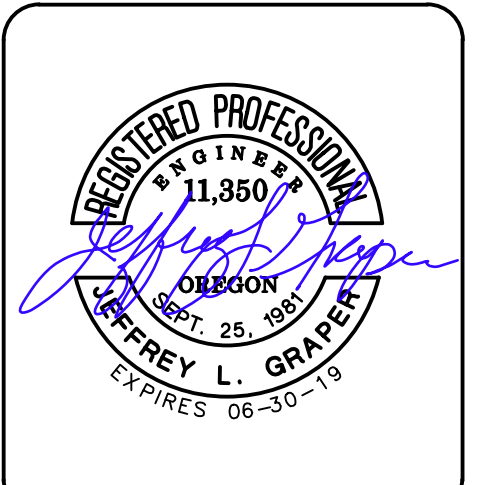
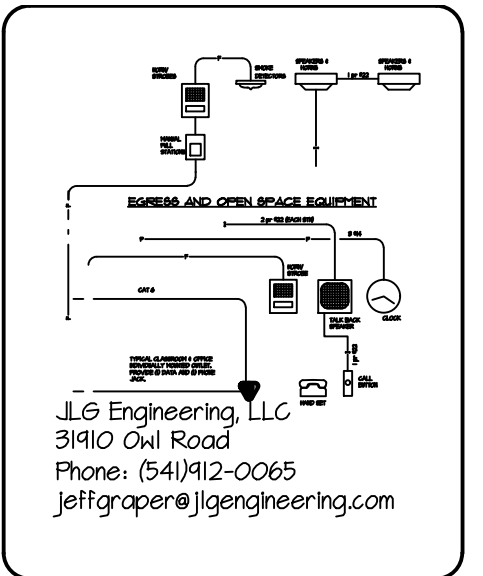
EF 1 EQUIPMENT IDENTIFIER, EXHAUST FAN | SHOWN

2 E-121 SHEET REFERENCE NOTE

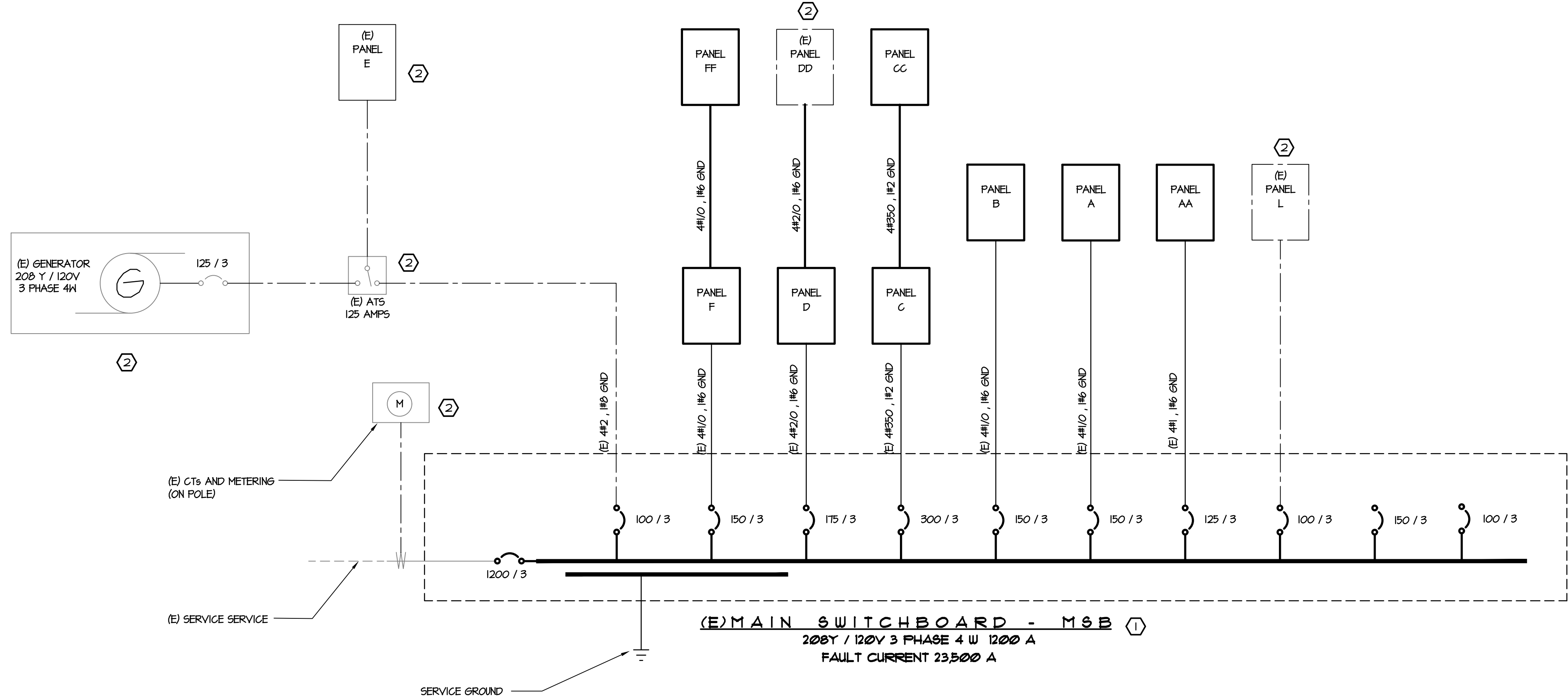
2 E-501 PLAN OR DETAIL NUMBER SHEET NUMBER

123 ROOM NUMBER

EXISTING WORK SHOWN  
LIGHT  
NEW WORK SHOWN  
BOLD  
EXISTING TO BE REMOVED

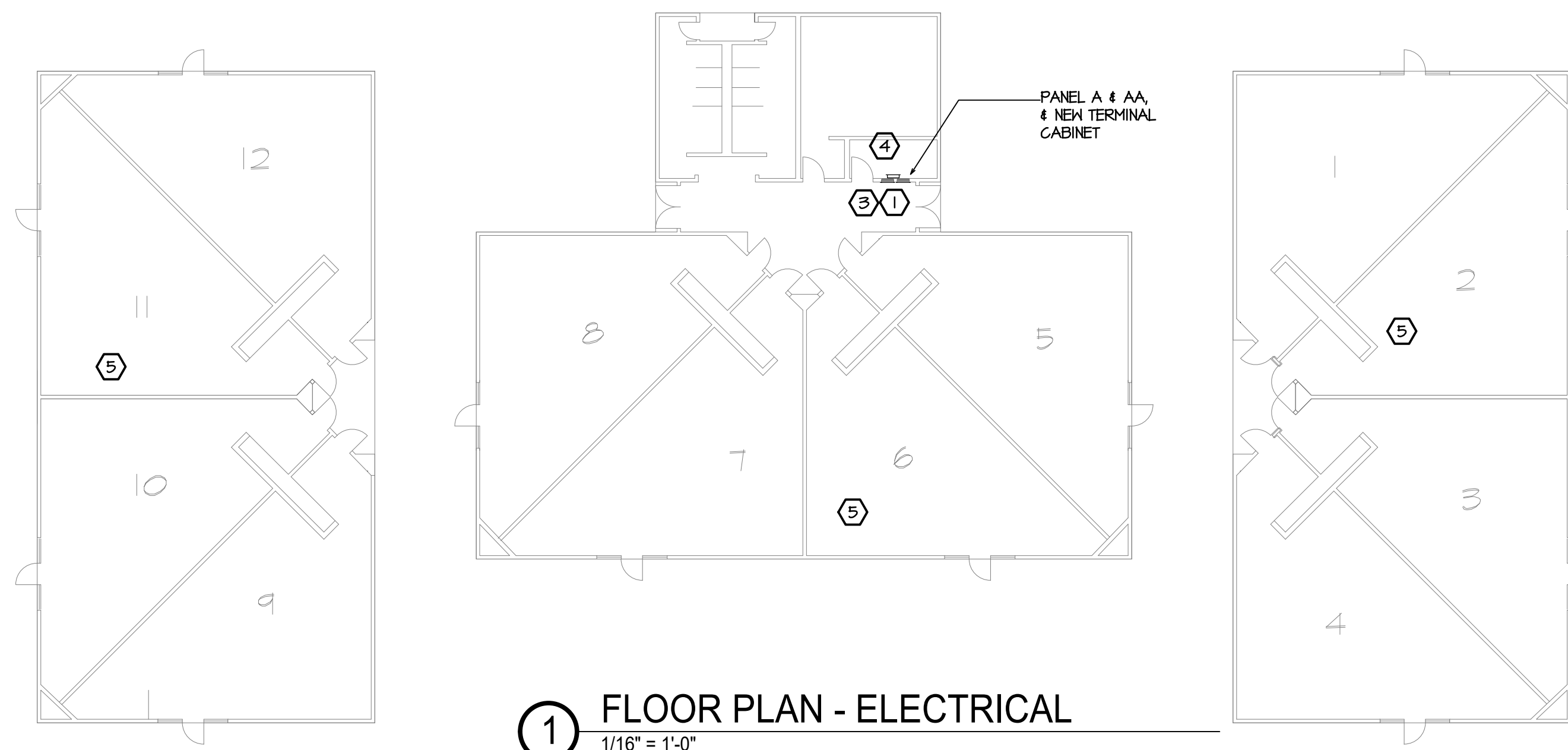
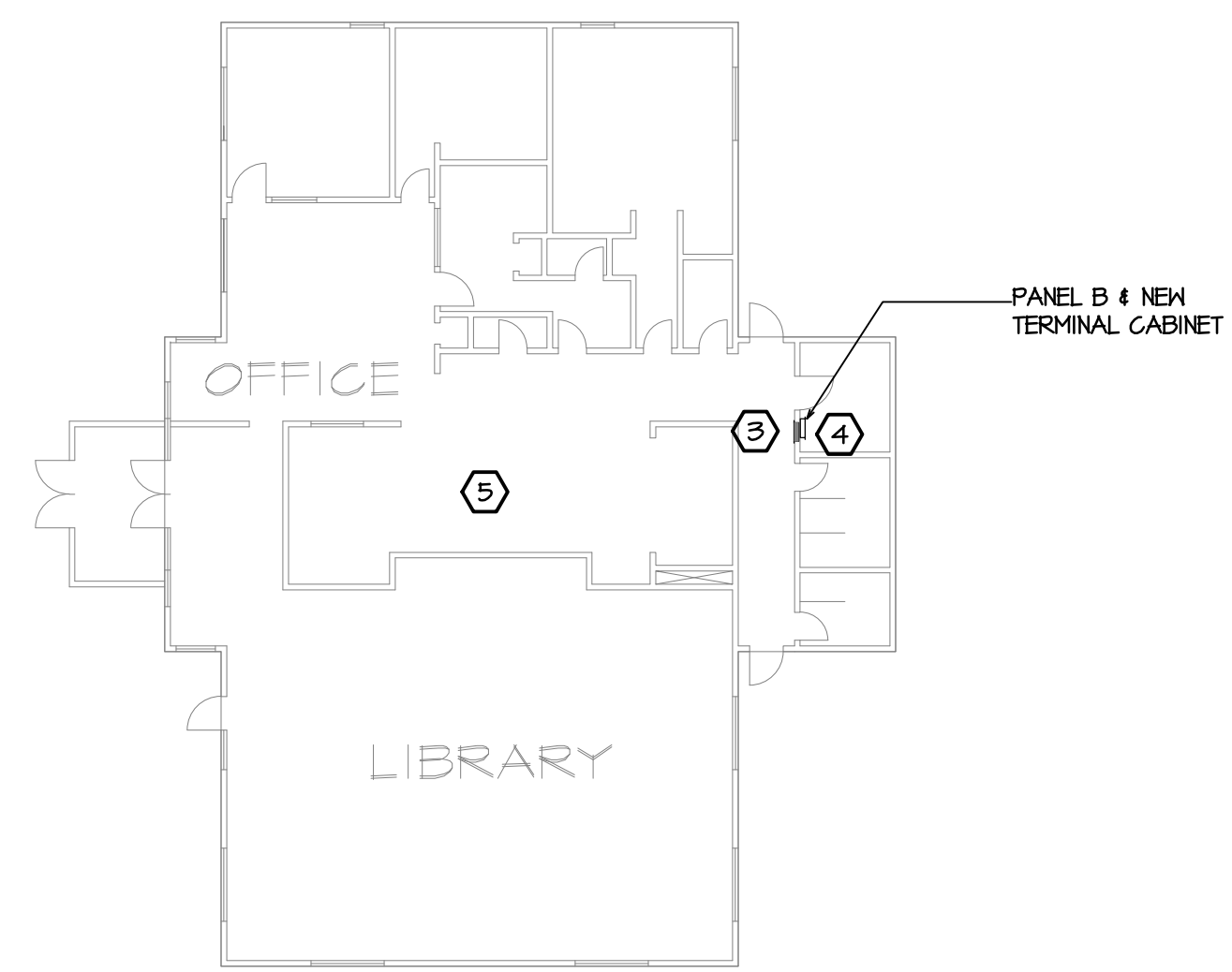
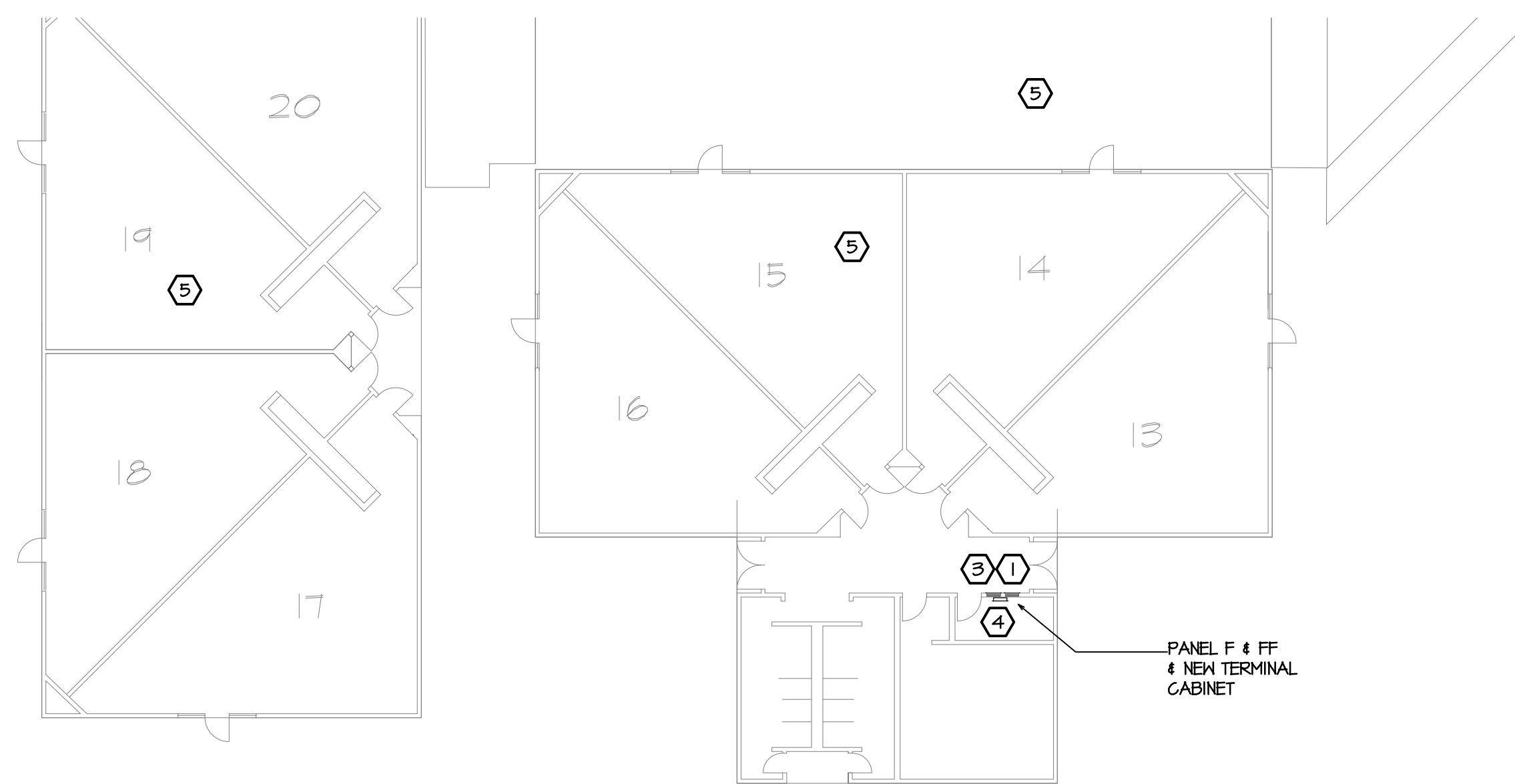
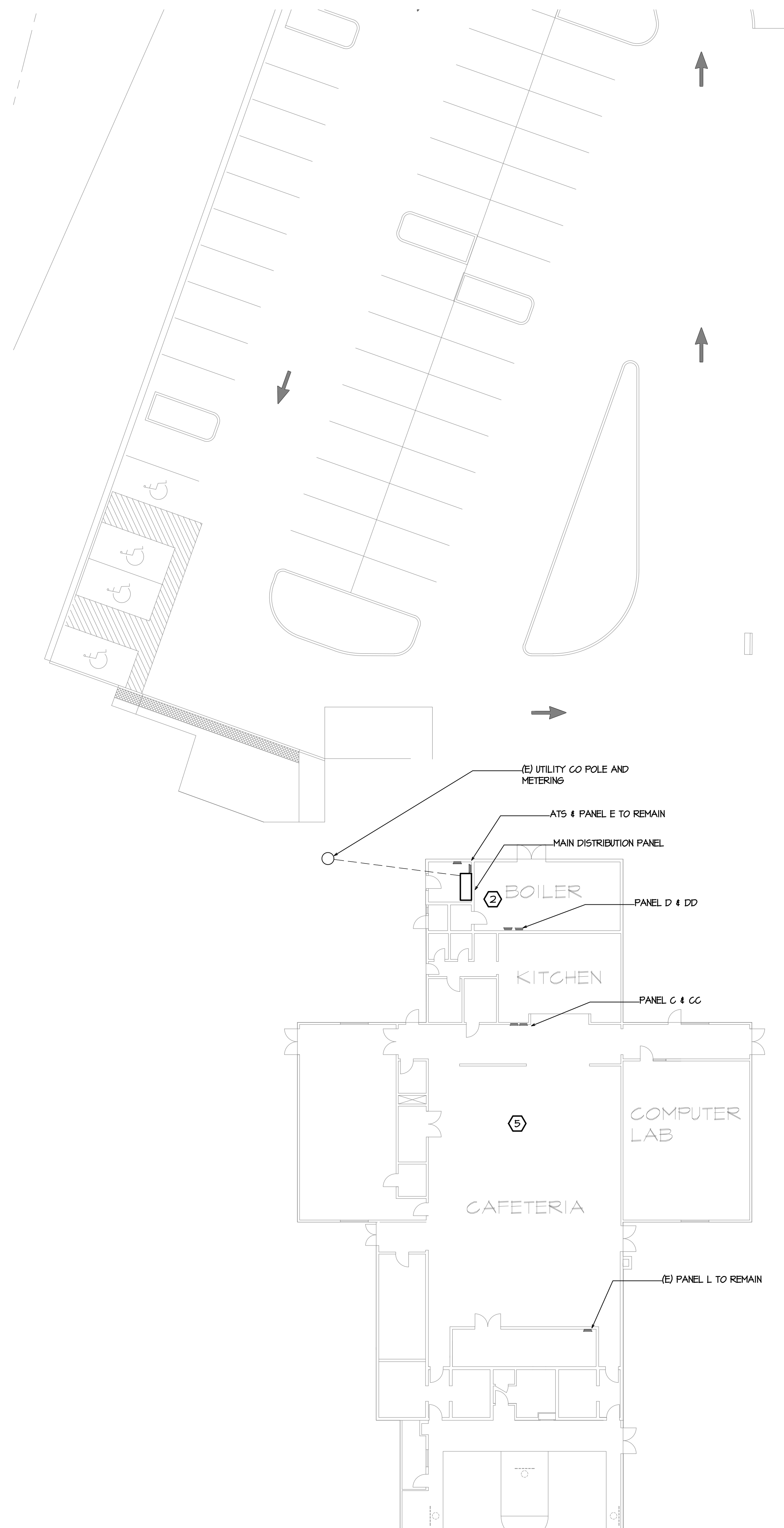


**EUGENE SCHOOL DISTRICT 4J**  
**SPRING CREEK ELEMENTARY - ELECTRICAL UPGRADE**  
 560 Irvington DR. EUGENE, OR 97404



Drawing Index		
#	Sheet	Title
1	E1.01	Symbols and One-Line Diagram
2	E2.01	Floor Plans
3	E6.01	Schedules

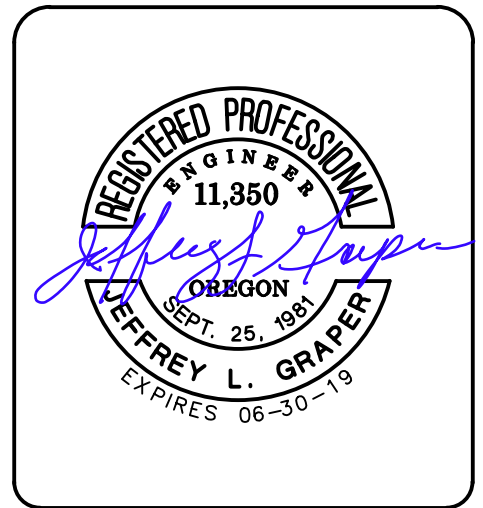
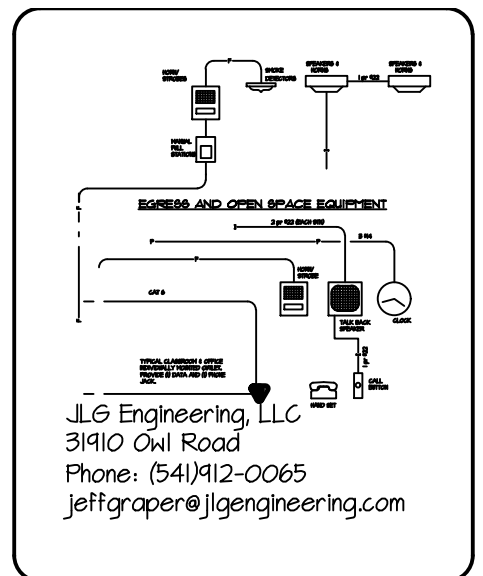
**1 POWER ONE-LINE DIAGRAM**  
NO SCALE



1 FLOOR PLAN - ELECTRICAL  
1/16" = 1'-0"

REFERENCE NOTES:

- 1 REMOVE INTERNAL BUSSING, BREAKERS AND CONTACTORS IN (E) IN PANEL AND CONTACTOR CABINET. PROVIDE NEW LOCKABLE DOORS, KEYS TO MATCH ADJACENT PANELS. ROUTE WIRING TO MECH. UNITS FROM NEW BREAKERS, THRU CABINETS TO UNITS. COORDINATE WITH CONTROLS UPGRADE CONTRACTOR.
- 2 COORDINATE LAYOUT OF NEW SWITCHBOARD WITH SERVING UTILITY AND AVAILABLE SPACE IN ELECTRIC ROOM. PROVIDE FULL SECTIONS AS REQUIRED TO ISOLATE AND CONNECT EXISTING UNDERGROUND SECONDARY SERVICE AND FEEDERS. RELOCATE ANY EXISTING EQUIPMENT IN CONFLICT WITH NEW SWITCHBOARD AND REQUIRED WORKING CLEARANCES.
- 3 PROVIDE (3) 3/4" C FROM EACH NEW FLUSH PANELBOARD TO ACCESSIBLE CEILING SPACE.
- 4 PROVIDE 12" X 12" TERMINAL BOX FOR FUTURE CONTROLS. ROUTE EXHAUST FAN AND OUTSIDE LIGHTING CIRCUITS THROUGH NEW CABINETS. PROVIDE (2) 3/4" C FROM BOX TO ATTIC AND (1) 1" C FROM BOX TO PANEL. FINAL CONTROLS BY OWNER.
- 5 PROVIDE DEVICE AND CIRCUIT LABELING - REFER TO SECTION 26 05 80 FOR REQUIREMENTS.



EUGENE SCHOOL DISTRICT 4J  
 SPRING CREEK ELEMENTARY - ELECTRICAL UPGRADE  
 560 Irvington DR. EUGENE, OR 97404

FLOOR PLANS  
 E 2.01  
 20 MAR 18

DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	CIRCUIT AND PHASE	BREAKER (AMP/POLE)	LOAD (AMP)	DESCRIPTION
(E) RCPTS	3.0	20/1	1A   2A	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	3B   4B	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	5C   6C	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	7A   8A	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	9B   10B	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	11C   12C	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	13A   14A	20/1	4.0	(E) LTS
(E) RCPTS	3.0	20/1	15B   16B	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	17C   18C	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	19A   20A	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	21B   22B	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	23C   24C	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	25A   26A	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	27B   28B	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	29C   30C	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	31A   32A	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	33B   34B	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	35C   36C	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	37A   38A	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	39B   40B	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	41C   42C	20/1	4.0	(E) LTS

INCIDENT ENERGY = 0.3 CAL/CM<sup>2</sup>. PPE CAT 0. 18" WORKING DISTANCE.

SUMMARY:

AMP LOAD	A	B	C
CONNECTED DEMAND	51.0	51.0	52.0
DEMAND LOAD			52.0
SPARE LOAD			7.8
CONT LOAD			9.3
TOTAL LOAD			69.1
GROWTH			6.9
DESIGN LOAD			76.0

DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	CIRCUIT AND PHASE	BREAKER (AMP/POLE)	LOAD (AMP)	DESCRIPTION
(E) RCPTS	3.0	20/1	1A   2A	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	3B   4B	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	5C   6C	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	7A   8A	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	9B   10B	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	11C   12C	20/1	4.0	(E) LTS
(E) RCPTS	3.0	20/1	13A   14A	20/1	4.0	(E) LTS
(E) RCPTS	3.0	20/1	15B   16B	20/1	4.0	(E) LTS
(E) RCPTS	3.0	20/1	17C   18C	20/1	4.0	(E) RCPTS
(E) RCPTS	3.0	20/1	19A   20A	20/1	0.0	SPARE
(E) RCPTS	3.0	20/1	21B   22B	20/1	0.0	SPARE
(E) RCPTS	3.0	20/1	23C   24C	20/1	2.5	UV UNITS
(E) RCPTS	3.0	20/1	25A   26A	15/1	2.5	UV UNITS
(E) RCPTS	3.0	20/1	27B   28B	15/1	2.5	UV UNITS
(E) RCPTS	3.0	20/1	29C   30C	15/1	2.5	UV UNITS
(E) RCPTS	3.0	20/1	31A   32A	15/1	2.5	UV UNITS
(E) RCPTS	3.0	20/1	33B   34B	15/1	2.5	UV UNITS
(E) RCPTS	3.0	20/1	35C   36C	15/1	2.5	UV UNITS
(E) RCPTS	3.0	20/1	37A   38A	15/1	2.5	UV UNITS
SPACE			39B   40B			SPACE
SPACE			41C   42C			SPACE

INCIDENT ENERGY = 0.4 CAL/CM<sup>2</sup>. PPE CAT 0. 18" WORKING DISTANCE.

SUMMARY:

AMP LOAD	A	B	C
CONNECTED DEMAND	41.0	37.5	38.0
DEMAND LOAD			41.0
SPARE LOAD			6.2
CONT LOAD			2.3
TOTAL LOAD			49.5
GROWTH			5.0
DESIGN LOAD			54.5

DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	CIRCUIT AND PHASE	BREAKER (AMP/POLE)	LOAD (AMP)	DESCRIPTION
(E) LTS	4.0	20/1	1A   2A	20/1	3.0	(E) RCPTS
(E) LTS	4.0	20/1	3B   4B	20/1	3.0	(E) RCPTS
(E) LTS	4.0	20/1	5C   6C	20/1	3.0	(E) RCPTS
(E) LTS	4.0	20/1	7A   8A	20/1	3.0	(E) RCPTS
(E) LTS	4.0	20/1	9B   10B	20/1	3.0	(E) RCPTS
(E) LTS	4.0	20/1	11C   12C	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	13A   14A	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	15B   16B	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	17C   18C	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	19A   20A	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	21B   22B	20/1	4.0	(E) LTS
(E) RCPTS	3.0	20/1	23C   24C	20/1	1.5	(E) UV
(E) RCPTS	3.0	20/1	25A   26A	20/1	4.0	(E) LTS
(E) RCPTS	3.0	20/1	27B   28B	20/1	0.0	SPARE
(E) RCPTS	3.0	20/1	29C   30C	20/1	0.0	SPARE
(E) RCPTS	3.0	20/1	31A   32A	20/2	1.5	(E) OFC HEAT
(E) RCPTS	3.0	20/1	33B   34B		1.5	
(E) RCPTS	3.0	20/1	35C   36C	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	37A   38A	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	39B   40B	20/1	3.0	(E) RCPTS
(E) RCPTS / AC-2	5.0	20/1	41C   42C	20/1	0.0	SPARE

INCIDENT ENERGY = 5.6 CAL/CM<sup>2</sup>. PPE CAT 2. 18" WORKING DISTANCE.

SUMMARY:

AMP LOAD	A	B	C
CONNECTED DEMAND	44.5	41.5	38.5
DEMAND LOAD			44.5
SPARE LOAD			6.7
CONT LOAD			3.8
TOTAL LOAD			54.9
GROWTH			5.5
DESIGN LOAD			60.4

DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	CIRCUIT AND PHASE	BREAKER (AMP/POLE)	LOAD (AMP)	DESCRIPTION
(E) LTS	4.0	20/1	1A   2A	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	3B   4B	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	5C   6C	20/1	4.0	SPARE
(E) LTS	4.0	20/1	7A   8A	20/1	4.0	SPARE
(E) LTS	4.0	20/1	9B   10B	20/1	4.0	SPARE
(E) LTS	4.0	20/1	11C   12C	20/1	4.0	SPARE
(E) LTS	4.0	20/1	13A   14A	20/1	4.0	(E) LTS
(E) RCPTS	3.0	20/1	15B   16B	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	17C   18C	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	19A   20A	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	21B   22B	20/1	3.0	(E) RCPTS
(E) LTS	4.0	20/1	23C   24C	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	25A   26A	20/2	3.0	(E) DISP
(E) LTS	4.0	20/1	27B   28B		3.0	
(E) LTS	4.0	20/1	29C   30C	30/2	4.0	(E) COOK TOP
(E) OVEN	27.0	50/3	31A   32A		4.0	
	27.0		33B   34B	20/1	4.0	SPARE
	27.0		35C   36C	20/1	4.0	SPARE
(E) OVEN	27.0	50/3	37A   38A	20/1	4.0	(E) LTS
	27.0		39B   40B	20/1	3.0	(E) RCPTS
	27.0		41C   42C	20/1	3.0	(E) RCPTS

INCIDENT ENERGY = 0.3 CAL/CM<sup>2</sup>. PPE CAT 0. 18" WORKING DISTANCE.

SUMMARY:

AMP LOAD	A	B	C
CONNECTED DEMAND	98.0	96.0	98.0
DEMAND LOAD			98.0
SPARE LOAD			14.7
CONT LOAD			6.7
TOTAL LOAD			119.4
GROWTH			11.9
DESIGN LOAD			131.3

DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	CIRCUIT AND PHASE	BREAKER (AMP/POLE)	LOAD (AMP)	DESCRIPTION
(E) LTS	4.0	20/1	1A   2A	20/1	4.0	(E) UV
(E) RCPTS	3.0	20/1	3B   4B	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	5C   6C	20/1	3.0	(E) RCPTS
(E) LTS	4.0	20/1	7A   8A	20/1	3.0	(E) RCPTS
(E) LTS	4.0	20/1	9B   10B	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	11C   12C	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	13A   14A	20/1	4.0	(E) LTS
(E) RCPTS	3.0	20/1	15B   16B	20/1	4.0	(E) LTS
(E) LTS	4.0	20/1	17C   18C	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	19A   20A	20/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	21B   22B	15/1	3.0	(E) RCPTS
(E) RCPTS	3.0	20/1	23C   24C	20/1	0.0	SPARE
(E) RCPTS	3.0	20/1	25A   26A	20/1	0.0	SPARE
(E) RCPTS	3.0	20/1	27B   28B	20/1	0.0	SPARE
(E) RCPTS	3.0	20/1	29C   30C	20/1	0.0	SPARE
SPARE	0.0	20/1	31A   32A	20/1	0.0	SPARE
SPARE	0.0	20/1	33B   34B	20/1	0.0	SPARE
SPARE	0.0	20/1	35C   36C	20/1	0.0	SPARE
SPACE			37A   38A			SPACE
SPACE			39B   40B			SPACE
SPACE			41C   42C			SPACE

INCIDENT ENERGY = 0.1 CAL/CM<sup>2</sup>. PPE CAT 0. 18" WORKING DISTANCE.

SUMMARY:

AMP LOAD	A	B	C
CONNECTED DEMAND	31.0	30.0	26.0
DEMAND LOAD			31.0
SPARE LOAD			4.7
CONT LOAD			3.0
TOTAL LOAD			38.7
GROWTH			3.9
DESIGN LOAD			42.6

DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	CIRCUIT AND PHASE	BREAKER (AMP/POLE)	LOAD (AMP)	DESCRIPTION
(E) RCPTS	3.0	20/1	1A   2A	30/3	12.0	(E) STOVE
(E) RCPTS	3.0	20/1	3B   4B		12.0	
(E) RCPTS	3.0	20/1	5C   6C		12.0	
(E) DRYER	16.0	30/2	7A   8A	20/1	4.0	(E) LOADS
(E) KITCHEN	16.0		9B   10B	20/1	4.0	(E) LOADS
	4.0	15/3	11C   12C	20/1	4.0	(E) LOADS
	4.0		13A   14A	20/1	4.0	(E) LOADS
	4.0		15B   16B	15/3	4.0	(E) CIRC
SPARE	0.0	15/3	17C   18C		4.0	
	0.0		19A   20A	20/1	4.0	(E) LTS
	0.0		21B   22B	20/1	4.0	(E) LOADS
(E) COMP	4.0	20/3	23C   24C	20/1	4.0	(E) LOADS
	4.0		25A   26A	50/3	24.0	(E) PANEL DD
	4.0		27B   28B		24.0	
SPARE	0.0	20/1	29C   30C		24.0	
SPARE	0.0	20/1	31A   32A	60/2	12.0	(E) KILN
(E) CIRC	4.0	15/3	33B   34B		12.0	
	4.0		35C   36C	30/2	0.0	SPARE
	4.0		37A   38A		0.0	
(E) RCPTS	3.0	20/1	39B   40B	30/2	0.0	SPARE
(E) RCPTS	3.0	20/1	41C   42C		0.0	

INCIDENT ENERGY = 0.2 CAL/CM<sup>2</sup>. PPE CAT 0. 18" WORKING DISTANCE.

SUMMARY:

AMP LOAD	A	B	C
CONNECTED DEMAND	91.0	94.0	66.0
DEMAND LOAD			94.0
SPARE LOAD			14.1
CONT LOAD			3.0
TOTAL LOAD			111.1
GROWTH			11.1
DESIGN LOAD			122.2