## GENERAL NOTES:

- I. 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.

ABOVE FINISHED FLOOR

DIGITAL SIGNAL PROCESSOR

GROUND FAULT INTERRUPTER

BLDG

CONDUIT

CIRCUIT

EXISTING

GROUND

ELECTRICAL

EMERGENCY

FIRE ALARM MASTER

HEATING, VENTILATING, &

AIR CONDITIONING

CANDELA

O-IOY DIMMING

BLDG

CKT

DIM

DSP

ELEC

GND

HVAC

**EMERG** 

- WHERE ALL LOAD IS REMOVED FROM A BREAKER PROVIDE NEW TYPED PANEL SCHEDULE IDENTIFYING BREAKER AS "SPARE".
- IO. PROVIDE HANDLE-TIES FOR ALL BREAKERS THAT SERVE CIRCUITS WITH COMMON NEUTRALS PER NEC.
- II. 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.

<u>ABBREVIATIONS</u>

MDF

MECH

TTB TVSS INTERMEDIATE DISTRIBUTION FRAME

MAIN DISTRIBUTION FRAME

PROGRAM RAPID START

TELEPHONE TERMINAL BOARD

TRANSIENT VOLTAGE SURGE

LOW VOLTAGE

MECHANICAL

**SWITCHBOARD** 

SUPPRESSION TYPICAL

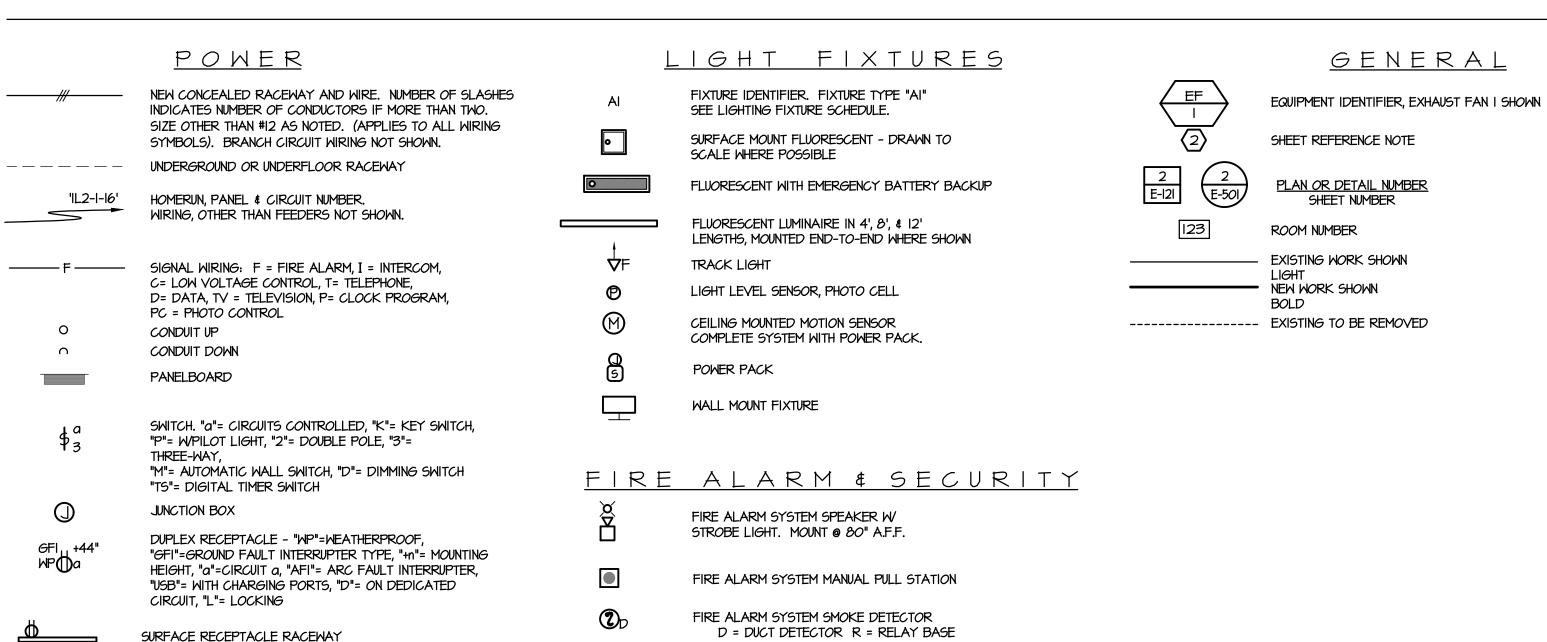
PANEL

## REFERENCE NOTES:

- 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.

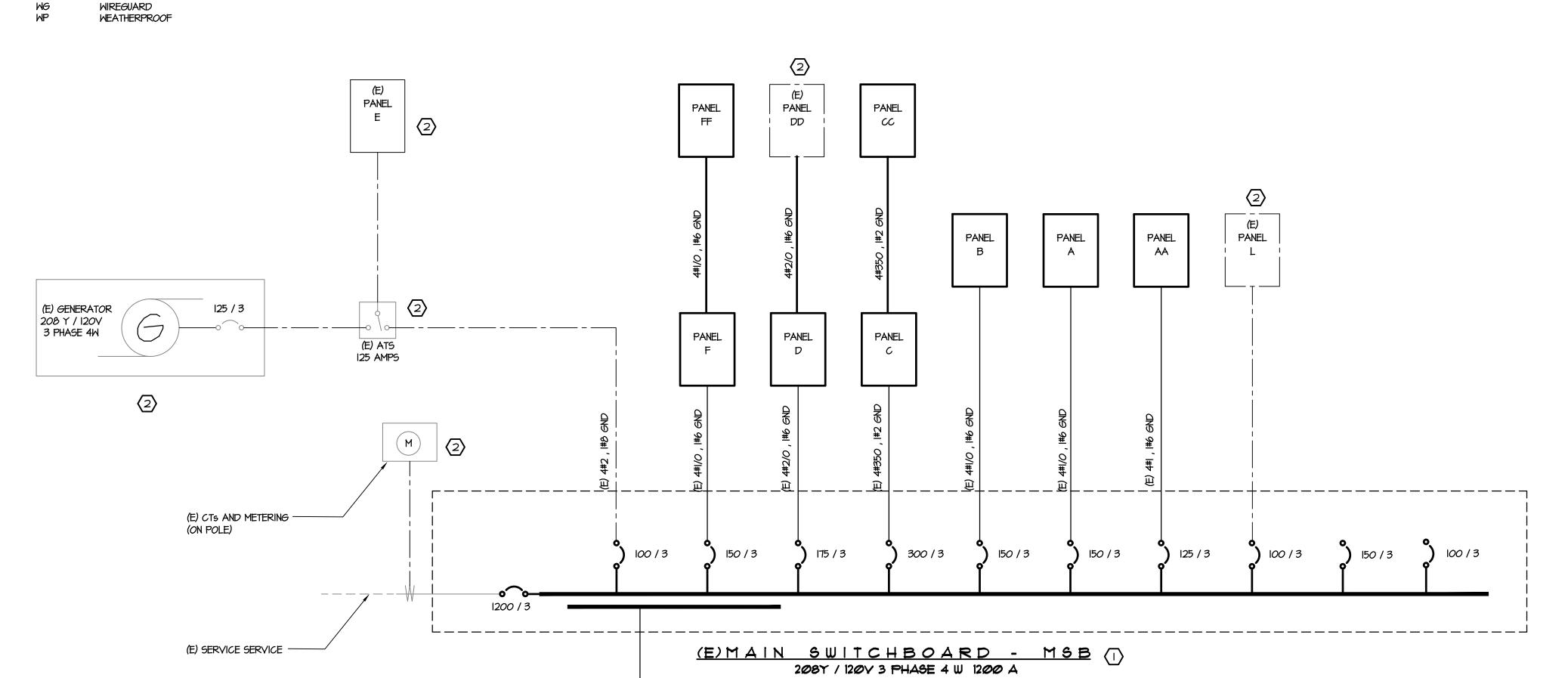
	Plan Review Summary								
Scope:	Electrical Distribution U Panel Replacement	Jpgrade and							
		Qty	Size	<u>Notes</u>					
Services	/ Feeders:	1	1200 A	Service Replacement					
		7	225 A	Panel Replacement					
		1	400 A	Panel Replacement					
Branch (	Circuits:	9	20 A	UV Controls Upgrade					
		2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

## SYMBOLS AND ABBREVIATIONS LEGEND



FIRE ALARM ANNUNCIATOR

RAN



DOUBLE DUPLEX (QUAD) RECEPTACLE

PROTECTION & LOCKABLE OFF COVER

SPECIAL RECEPTACLE. CONFIGURATION AS NOTED.

MANUAL MOTOR STARTER WITH THERMAL OVERLOAD

TY OUTLET

DISCONNECT SWITCH

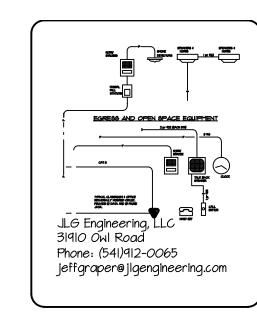
FAULT CURRENT 23,500 A

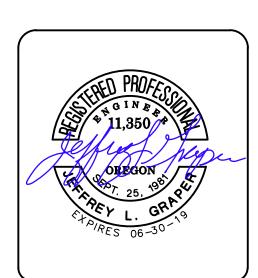
		Drawing Index
#	Sheet	Title
1	E1.01	Symbols and One-Line Diagram
2	E2.01	Floor Plans
3	E6.01	Schedules



SERVICE GROUND

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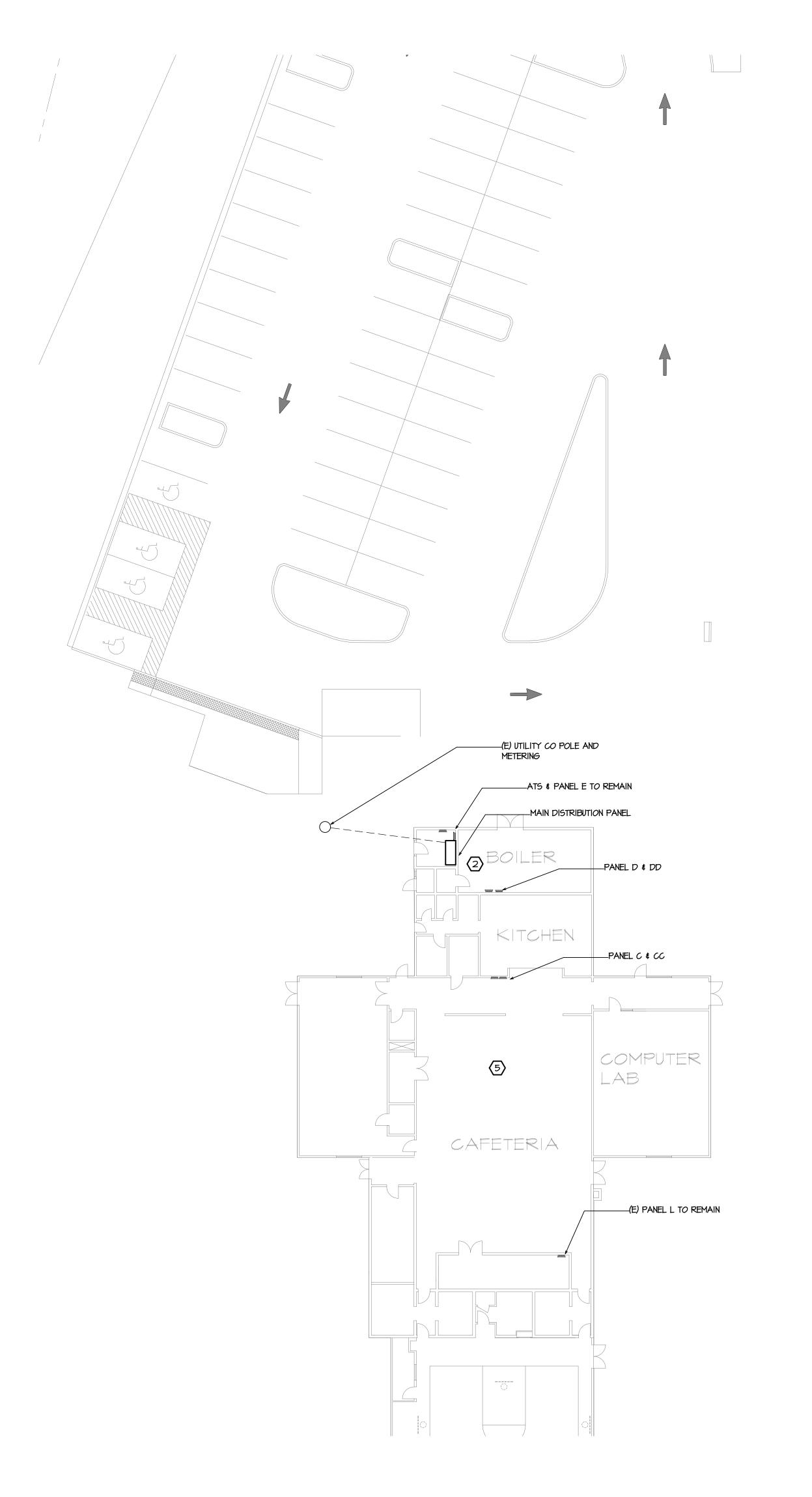


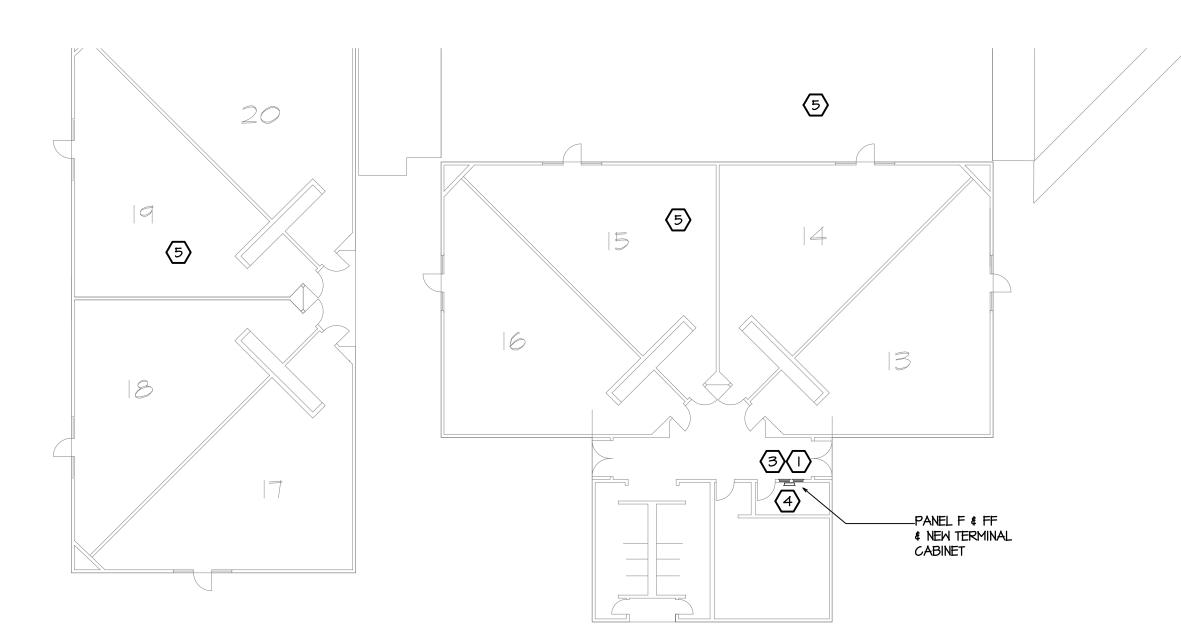
TOUTINE VOLOCI TUNING OREEK ELEMENTARY - ELECTRIOA

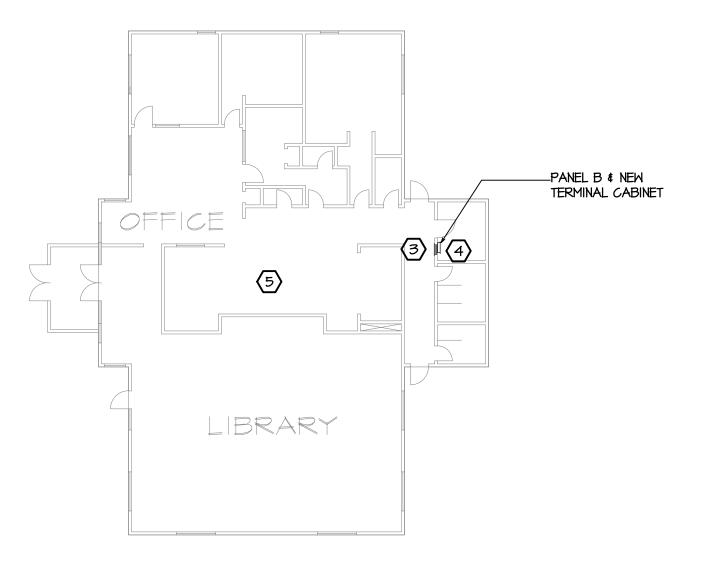
POWER ONE-LINE DIAGRAM

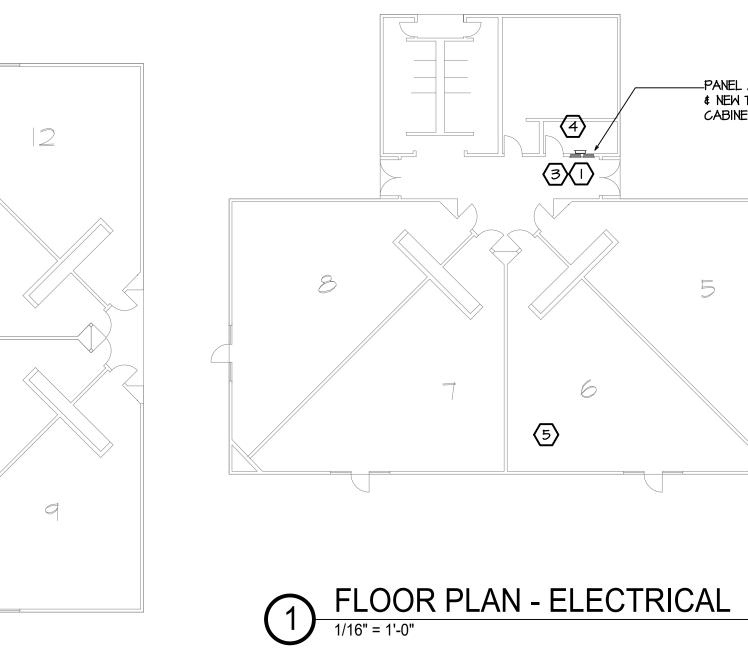
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20 MAR 18

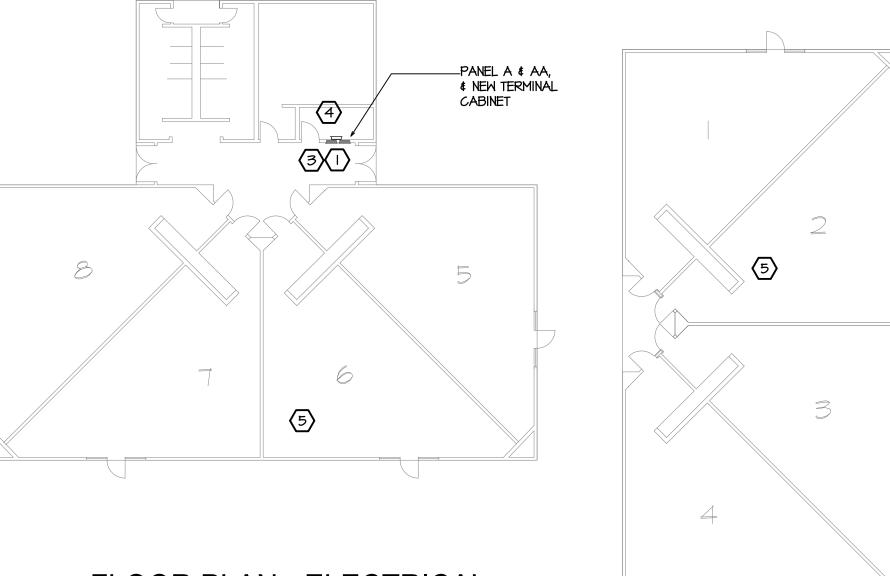








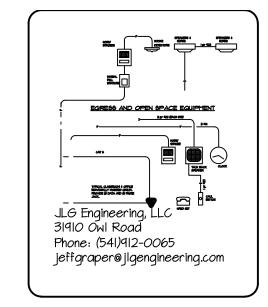
**(5)** 





- REMOVE INTERNAL BUSSING, BREAKERS AND CONTACTORS IN (E) UV PANEL AND CONTACTOR CABINET. PROVIDE NEW LOCKABLE DOORS, KEYED TO MATCH ADJACENT PANELS. ROUTE WIRING TO MECH. UNITS FROM NEW BREAKERS, THRU CABINETS TO UNITS. COORDINATE WITH CONTROLS UPGRADE CONTRACTOR.
- COORDINATE LAYOUT OF NEW SWITCHBOARD WITH SERVING
  UTILITY AND AVAILABLE SPACE IN ELECTRIC ROOM. PROVIDE
  PULL 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.
- PROVIDE (3) 3/4" C FROM EACH NEW FLUSH PANELBOARD TO ACCESSIBLE CEILING SPACE.
- 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
  (I) I"C FROM BOX TO PANEL. FINAL CONTROLS BY OWNER.
- PROVIDE DEVICE AND CIRCUIT LABELING REFER TO SECTION 26 05 80 FOR REQUIREMENTS.

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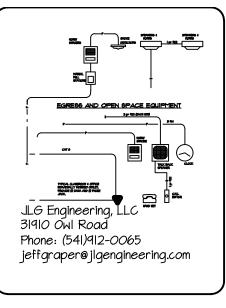


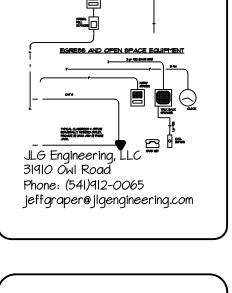
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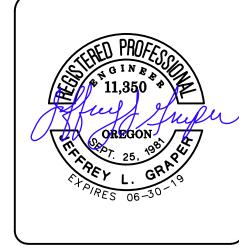
FLOOR PLANS

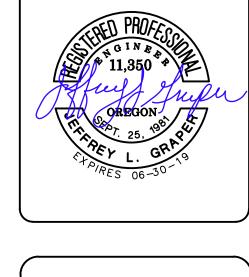
E 2.01

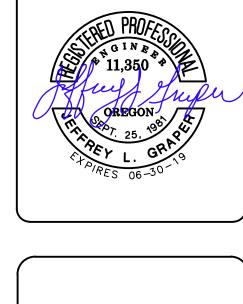
20 MAR 18













JLG Engineering, LLC 31910 Owl Road Phone: (541)912-0065 jeffgraper@jlgengineering.com
STATE PROFESSION OF THE PROFES

CEDVICE.	PANEL 120/208		SCHEDULE	4 \A/IDE	
SERVICE: CAPACITY:	225 225	VOLTS AMP BUS AMP LUGS	3 ø 10000	4 WIRE SCA AVAIL	
FED FROM:	MSB	AMIF LOGS	FLUSH	MOUNTED	
			CIRCUIT		
DESCRIPTION	LOAD	BREAKER	AND	BREAKER	LOAD [
	(AMP)	(AMP/POLE)	PHASE	(AMP/POLE)	(AMP)
(E) LTS	4.0	20/1	1A I 2A	20/1	3.0 (
(E) LTS	4.0	20/1	3B I 4B	20/1	3.0 (
(E) LTS	4.0	20/1	5C I 6C	20/1	3.0 (
(E) LTS	4.0	20/1	7A I 8A	20/1	3.0 (
(E) LTS	4.0	20/1	9B I 10B	20/1	3.0 (
(E) LTS	4.0	20/1	11C I 12C	20/1	3.0 (
(E) RCPTS	3.0	20/1	13A I 14A	20/1	3.0 (
(E) RCPTS	3.0	20/1	15B I 16B	20/1	3.0 (
(E) RCPTS	3.0	20/1	17C I 18C	20/1	3.0 (
(E) RCPTS	3.0	20/1	19A I 20A	20/1	4.0 (
(E) LTS	4.0	20/1	21B I 22B	20/1	4.0 (
(E) RCPTS	3.0	20/1	23C I 24C	20/1	1.5 (
(E) RCPTS	3.0	20/1	25A I 26A	20/1	4.0 (
(E) RCPTS	3.0	20/1	27B I 28B	20/1	0.0
(E) RCPTS	3.0	20/1	29C I 30C	20/1	0.0 8
(E) RCPTS	3.0	20/1	31A I 32A	20/2	1.5 (
(E) RCPTS	3.0	20/1	33B I 34B		1.5
(E) RCPTS	3.0	20/1	35C I 36C	20/1	3.0 (
(E) RCPTS	3.0	20/1	37A I 38A	20/1	3.0 (
(E) RCPTS	3.0	20/1	39B I 40B	20/1	3.0 (
(E) SEC / AC-2	5.0	20/1	41C I 42C	20/1	0.0 \$
- INCIDENT ENER	GY = 5.6 C	AL/CM^2. PPE	CAT 2. 18" W	ORKING DISTAI	NCE.
SUMMARY:					
AMP LOAD		А	В	С	
CONNECTED	1	 44.5	 41.5	38.5	
DEMAND		44.5			
DEMAND LOAD				44.5	
SPARE LOAD				6.7	
CONT LOAD				3.8	
TOTAL LOAD				 54.9	
GROWTH				5.5	

ROM:	225 225 MSB	AMP BUS AMP LUGS	10000	SCA AVAIL  MOUNTED		CAPACITY:	400 400 MSB	AMP BUS AMP LUGS	10000	SCA AVAIL  H MOUNTED	
				. 100011125		12511(0)				- WOONTED	
MOIT	LOAD (AMP)	BREAKER (AMP/POLE)	CIRCUIT AND PHASE	BREAKER (AMP/POLE)	LOAD DESCRIPTION (AMP)	DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	CIRCUIT AND PHASE	BREAKER (AMP/POLE)	LOA (AN
	4.0	20/1	1A I 2A	20/1	3.0 (E) RCPTS	(E) LTS	4.0	20/1	1A I 2A	20/1	
	4.0	20/1	3B I 4B	20/1	3.0 (E) RCPTS	(E) LTS	4.0	20/1	3B I 4B	20/1	
	4.0	20/1	5C I 6C	20/1	3.0 (E) RCPTS	(E) LTS	4.0	20/1	5C I 6C	20/1	
	4.0	20/1	7A I 8A	20/1	3.0 (E) RCPTS	(E) LTS	4.0	20/1	7A I 8A	20/1	
	4.0	20/1	9B I 10B	20/1	3.0 (E) RCPTS	(E) LTS	4.0	20/1	9B I 10B	20/1	
	4.0	20/1	11C I 12C	20/1	3.0 (E) RCPTS	(E) LTS	4.0	20/1	11C I 12C	20/1	
S	3.0	20/1	13A I 14A	20/1	3.0 (E) RCPTS	(E) LTS	4.0	20/1	13A I 14A	20/1	
S	3.0	20/1	15B I 16B	20/1	3.0 (E) RCPTS	(E) RCPTS	3.0	20/1	15B I 16B	20/1	
S	3.0	20/1	17C I 18C	20/1	3.0 (E) RCPTS	(E) RCPTS	3.0	20/1	17C I 18C	20/1	
S	3.0	20/1	19A I 20A	20/1	4.0 (E) LTS	(E) RCPTS	3.0	20/1	19A I 20A	20/1	
	4.0	20/1	21B I 22B	20/1	4.0 (E) LTS	(E) RCPTS	3.0	20/1	21B I 22B	20/1	
S	3.0	20/1	23C I 24C	20/1	1.5 (E) UV	(E) LTS	4.0	20/1	23C I 24C	20/1	
S	3.0	20/1	25A I 26A	20/1	4.0 (E) LTS	(E) RCPTS	3.0	20/1	25A I 26A	20/2	
S	3.0	20/1	27B I 28B	20/1	0.0 SPARE	(E) LTS	4.0	20/1	27B I 28B		
S	3.0	20/1	29C I 30C	20/1	0.0 SPARE	(E) LTS	4.0	20/1	29C I 30C	30/2	
S	3.0	20/1	31A I 32A	20/2	1.5 (E) OFC HEAT	(E) OVEN	27.0	50/3	31A I 32A		
S	3.0	20/1	33B I 34B		1.5		27.0		33B I 34B	20/1	
S	3.0	20/1	35C I 36C	20/1	3.0 (E) RCPTS		27.0		35C I 36C	20/1	
S	3.0	20/1	37A I 38A	20/1	3.0 (E) RCPTS	(E) OVEN	27.0	50/3	37A I 38A	20/1	
S	3.0	20/1	39B I 40B	20/1	3.0 (E) RCPTS		27.0		39B I 40B	20/1	
AC-2	5.0	20/1	41C I 42C	20/1	0.0 SPARE		27.0		41C I 42C	20/1	
T ENEF	RGY = 5.6 C	AL/CM^2. PPE	CAT 2. 18" V	VORKING DISTAI	NCE.	INCIDENT ENER	RGY = 0.3 C	AL/CM^2. PPE	CAT 0. 18" V	VORKING DISTA	NCE.
Y:						SUMMARY:					
_OAD		А	В	С		AMP LOAD		А	В	С	
 IECTEI	<b>,</b>			38.5		CONNECTED	`			98.0	
'ND	J	44.5 44.5				DEMAND	,	98.0 98.0			
LOAD				44.5		DEMAND LOAD				98.0	
OAD				6.7		SPARE LOAD				14.7	
				3.8		CONT LOAD				6.7	
AD						TOTAL				440.4	
				54 9		HOTAL LOAD				1194	
AD OAD I				54.9 5.5		TOTAL LOAD GROWTH				119.4 11.9	

PANEL C

120/208 VOLTS

SERVICE:

SCHEDULE

3ø 4WIRE

LOAD DESCRIPTION

4.0 (E) LTS

4.0 (E) LTS

4.0 SPARE

4.0 SPARE

4.0 SPARE

4.0 SPARE

4.0 (E) LTS

3.0 (E) RCPTS

4.0 (E) COOK TOP

3.0 (E) DISP

4.0 SPARE

4.0 SPARE

4.0 (E) LTS

3.0 (E) RCPTS

3.0 (E) RCPTS

3.0

4.0

(AMP)

	PANEL	F	SCHEDULE			
SERVICE: CAPACITY:	120/208 225	VOLTS AMP BUS	3 g 1000	ø 4 WIRE D SCA AVAIL		
0/11/101111	225	AMP LUGS	10000	00/1/10/112		
FED FROM:	MSB		FLUSH	H MOUNTED		
			CIRCUIT			
DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	AND PHASE	BREAKER (AMP/POLE)	LOAD [ (AMP)	DESCRIPTION
	(AIVIP)	(AIVIP/POLE)	PHASE	(AIVIP/POLE)	(AIVIP)	
(E) LTS	4.0	20/1	1A I 2A	20/1		E) LTS
(E) LTS	4.0	20/1	3B I 4B	20/1		E) LTS
(E) LTS	4.0	20/1	5C I 6C	20/1	•	E) LTS
(E) LTS	4.0	20/1	7A I 8A	20/1	-	E) RCPTS
(E) LTS	4.0 4.0	20/1 20/1	9B I 10B 11C I 12C	20/1 20/1	•	E) RCPTS
(E) LTS (E) LTS	4.0 4.0	20/1	13A I 14A	20/1		E) LTS E) LTS
(E) LTS	4.0	20/1	15B I 16B	20/1	,	E) LTS
(E) LTS	4.0	20/1	17C I 18C	20/1	,	E) RCPTS
(E) LTS	4.0	20/1	19A I 20A	20/1	•	E) LTS
(E) LTS	4.0	20/1	21B I 22B	20/1		E) LTS
(E) LTS	4.0	20/1	23C I 24C	20/1	3.0 (	E) RCPTS
(E) UV	12.0	30/3	25A I 26A	20/1		E) LTS
	12.0		27B I 28B	20/1		E) LTS
(E) 1 TC	12.0	20/4	29C I 30C	20/1	-	E) LTS
(E) LTS (E) LTS	4.0 4.0	20/1 20/1	31A   32A 33B   34B	20/1 20/1		E) LTS E) LTS
(E) LTS	4.0	20/1	35C I 36C	20/1	,	E) LTS
(E) LTS	4.0	20/1	37A I 38A	20/1	•	E) LTS
(E) LTS	4.0	20/1	39B I 40B	20/1	•	E) RCPTS
(E) LTS	4.0	20/1	41C I 42C	20/1		E) RCPTS
INCIDENT ENER	PGV = 0.5 C	AL/CMA2 DDE	CATO 18" \	VORKING DISTAI	- NCE	
SUMMARY:	<u> </u>	ALI OIVI Z. TTL	<u>OATO. 10 V</u>	VORIGINO DIOTAL	VOL.	
AMP LOAD		А	В	С		
CONNECTED	)	63.0	62.0	61.0		
DEMAND	,	63.0				
DEMAND LOAD				63.0		
SPARE LOAD				9.5		
CONT LOAD				13.7		
TOTAL LOAD				86.1		
GROWTH				8.6		
DESIGN LOAD				94.7		

	PANEL	FF	SCHEDULE		
SERVICE:	120/208	VOLTS	3 ø	4 WIRE	
CAPACITY:	225	AMP BUS	10000	SCA AVAIL	
	225	AMP LUGS			
FED FROM:	TAP		FLUSH	MOUNTED	
DECODIDITION	LOAD		CIRCUIT	DDEAKED	LOAD DESCRIPTI
DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	AND PHASE	BREAKER (AMP/POLE)	LOAD DESCRIPTI (AMP)
(E) RCPTS	3.0	20/1	1A I 2A	20/1	3.0 (E) RCPTS
(E) RCPTS	3.0	20/1	3B I 4B	20/1	3.0 (E) RCPTS
(E) RCPTS	3.0	20/1	5C I 6C	20/1	3.0 (E) RCPTS
(E) RCPTS	3.0	20/1	7A I 8A	20/1	3.0 (E) RCPTS
(E) RCPTS	3.0	20/1	9B I 10B	20/1	3.0 (E) RCPTS
(E) RCPTS	3.0	20/1	11C I 12C	20/1	0.0 SPARE
(E) RCPTS	3.0	20/1	13A I 14A	20/1	0.0 SPARE
(E) LOADS	4.0	20/2	15B I 16B	20/1	0.0 SPARE
	4.0		17C I 18C	30/1	2.5 UV UNITS
SPARE	0.0	20/1	19A I 20A	30/1	2.5 UV UNITS
SPARE	0.0	20/1	21B I 22B	15/1	2.5 UV UNITS
SPARE	0.0	20/1	23C I 24C	15/1	2.5 UV UNITS
SPARE	0.0	20/1	25A I 26A	15/1	2.5 UV UNITS
SPACE			27B I 28B		SPACE
SPACE			29C I 30C		SPACE
INCIDENT ENER SUMMARY:	GY = 0.1 C	AL/CM^2. PPE	CAT 0. 18" V	VORKING DISTAI	NCE.
AMP LOAD		А	В	С	
CONNECTED	)	20.0			
DEMAND		20.0	18.5	18.0	
DEMAND LOAD				20.0	
SPARE LOAD				3.0	
CONT LOAD				0.7	
TOTAL LOAD				23.7	
GROWTH				2.4	

	GENERAL	NOTES:
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I. PROVIDE ARC FLASH LABELS PER INFORMATION PROVIDED IN SCHEDULES.

SERVICE:	PANEL 120/208	CC VOLTS	SCHEDULE	o 4 WIRE		
CAPACITY:	225 225	AMP BUS AMP LUGS	10000	SCA AVAIL		
FED FROM:	TAP	7 2000	FLUSH	I MOUNTED		
DECODIDITION	1040		CIRCUIT		1040	DESCRIPTION
DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	AND PHASE	BREAKER (AMP/POLE)	(AMP)	DESCRIPTION
(E) LTS	4.0	20/1	1A I 2A	20/1	4.0	(E) UV
` '	3.0	20/1	3B I 4B	20/1		` '
(E) RCPTS						(E) RCPTS
(E) RCPTS	3.0	20/1	5C I 6C	20/1		(E) RCPTS
(E) LTS	4.0	20/1	7A I 8A	20/1		(E) RCPTS
(E) LTS	4.0	20/1	9B I 10B	20/1		(E) LTS
(E) LTS	4.0	20/1	11C   12C	20/1		(E) RCPTS
(E) RCPTS	3.0	20/1	13A   14A	20/1		(E) LTS
(E) RCPTS	3.0	20/1	15B I 16B	20/1		(E) LTS
(E) LTS	4.0	20/1	17C I 18C	20/1		(E) RCPTS
(E) RCPTS	3.0	20/1	19A I 20A	20/1		(E) RCPTS
(E) RCPTS	3.0	20/1	21B I 22B	15/1		(E) RCPTS
(E) RCPTS	3.0	20/1	23C I 24C	20/1	0.0	SPARE
(E) RCPTS	3.0	20/1	25A I 26A	20/1	0.0	SPARE
(E) RCPTS	3.0	20/1	27B I 28B	20/1	0.0	SPARE
(E) RCPTS	3.0	20/1	29C I 30C	20/1	0.0	SPARE
SPARE	0.0	20/1	31A I 32A	20/1	0.0	SPARE
SPARE	0.0	20/1	33B I 34B	20/1	0.0	SPARE
SPARE	0.0	20/1	35C I 36C	20/1	0.0	SPARE
SPACE			37A I 38A			SPACE
SPACE			39B I 40B			SPACE
SPACE			41C I 42C			SPACE
INCIDENT ENER	GY = 0.1 C	AL/CM^2. PPE	CAT 0. 18" V	VORKING DISTA	NCE.	
SUMMARY:						
AMP LOAD		A 	B 	C		
CONNECTED		31.0				
DEMAND		31.0	30.0	26.0		
DEMAND LOAD				31.0		
SPARE LOAD				4.7		
CONT LOAD				3.0		
TOTAL LOAD				38.7		
TOTAL LOAD GROWTH				38.7 3.9		

PANEL A

VOLTS

AMP BUS

AMP LUGS

(AMP) (AMP/POLE) PHASE

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

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

51.0

120/208

225

225

DESCRIPTION LOAD BREAKER

3.0

3.0

3.0

3.0

3.0

3.0

3.0

3.0

4.0

4.0

4.0

4.0

4.0

4.0

4.0

4.0

4.0

4.0

4.0

4.0

SERVICE:

CAPACITY:

(E) RCPTS

(E) LTS

SUMMARY:

AMP LOAD

DEMAND

DEMAND LOAD

SPARE LOAD

TOTAL LOAD

DESIGN LOAD

GROWTH

CONT LOAD

CONNECTED

FED FROM: MSB

SCHEDULE

CIRCUIT

3B I 4B

5C I 6C

9B I 10B

11C I 12C

13A I 14A

15B I 16B

17C I 18C

19A I 20A

21B I 22B

23C I 24C

25A I 26A

27B I 28B

29C I 30C

31A I 32A

33B I 34B

35C I 36C

37A I 38A

39B I 40B

51.0

51.0

20/1 41C I 42C

7A I 8A

3ø 4WIRE

10000 SCA AVAIL

AND BREAKER LOAD DESCRIPTION

3.0 (E) RCPTS

4.0 (E) LTS

(AMP/POLE) (AMP)

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

-----

52.0

52.0

52.0

7.8

9.3

69.1

6.9

76.0

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FLUSH MOUNTED

SERVICE: CAPACITY:	PANEL 120/208 225 225	D VOLTS AMP BUS AMP LUGS		4 WIRE SCA AVAIL		
FED FROM:	MSB	7 (1711 2000	SURFACE	MOUNTED		
			CIRCUIT			
DESCRIPTION	LOAD (AMP)	BREAKER (AMP/POLE)	AND PHASE	BREAKER (AMP/POLE)	LOAD (AMP)	DESCRIPTION
(E) RCPTS	3.0	20/1	1A I 2A	30/3	12.0	(E) STOVE
(E) RCPTS	3.0	20/1	3B I 4B	33, 3	12.0	` '
(E) RCPTS	3.0	20/1	5C I 6C		12.0	
(E) DRYER	16.0	30/2	7A I 8A	20/1		(E) LOADS
(=, =, :::::::::::::::::::::::::::::::::	16.0	30,2	9B I 10B	20/1		(E) LOADS
(E) KITCHEN	4.0	15/3	11C I 12C	20/1		(E) LOADS
	4.0	10/0	13A I 14A	20/1		(E) LOADS
	4.0		15B I 16B	15/3		(E) CIRC
SPARE	0.0	15/3	17C I 18C	13/3	4.0	` '
SFAIL	0.0	13/3	19A I 20A		4.0	
	0.0		21B I 22B	20/1		(E) LOADS
		20/3	23C I 24C			
(E) COMP	4.0	20/3		20/1		(E) LOADS
	4.0		25A I 26A	50/3		(E) PANEL DD
00405	4.0	00/4	27B I 28B		24.0	
SPARE	0.0	20/1	29C I 30C	00/0	24.0	
SPARE	0.0	20/1	31A I 32A	60/2		(E) KILN
(E) CIRC	4.0	15/3	33B I 34B		12.0	
	4.0		35C I 36C	30/2		SPARE
	4.0		37A I 38A		0.0	
(E) RCPTS	3.0	20/1	39B I 40B	30/2		SPARE
(E) RCPTS	3.0	20/1	41C I 42C		0.0	)
NCIDENT ENER	RGY = 0.2 C	AL/CM^2. PPE	CAT 0. 18" W	ORKING DISTA	NCE.	
SUIVIIVIART.						
AMP LOAD		A 	В	C		
CONNECTED	)	91.0	94.0	66.0		
DEMAND		91.0	94.0	66.0		
DEMAND LOAD				94.0		
SPARE LOAD				94.0 14.1		
CONT LOAD				3.0		
CONT LOAD				3.0		
TOTAL LOAD				444.4		
TOTAL LOAD GROWTH				111.1		
JRUVVITI				11.1		

122.2

PANEL AA

VOLTS

AMP BUS

AMP LUGS

BREAKER

20/1

20/1

20/1

20/1

20/1

20/1

20/1

30/3

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

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

41.0

120/208

3.0

3.0

3.0

3.0

3.0

3.0

1.5

16.0

16.0

16.0

3.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

225

225

SERVICE:

CAPACITY:

(E) RCPTS

(E) RCPTS

(E) RCPTS

(E) RCPTS

(E) RCPTS

(E) RCPTS

(E) UV CONT.

(E) RCPTS

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

SPACE

SPACE

SUMMARY:

AMP LOAD

DEMAND

DEMAND LOAD

SPARE LOAD

CONT LOAD

TOTAL LOAD

DESIGN LOAD

DESIGN LOAD

GROWTH

CONNECTED

(E) TIMEE CLOC

FED FROM: MSB

DESCRIPTION LOAD

SCHEDULE

CIRCUIT

(AMP/POLE) PHASE (AMP/POLE)

1A I 2A

3B I 4B

5C I 6C

7A I 8A

9B I 10B

11C I 12C

13A I 14A

15B I 16B

17C I 18C

19A I 20A

21B I 22B

23C I 24C

25A I 26A

27B I 28B

29C I 30C

31A I 32A

33B I 34B

35C I 36C

37A I 38A

39B I 40B

41C I 42C

37.5

37.5

3ø 4WIRE

10000 SCA AVAIL

FLUSH MOUNTED

AND BREAKER

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

15/1

15/1

15/1

15/1

15/1

15/1

38.0

38.0

41.0

6.2

2.3

49.5

54.5

-----

5.0

LOAD DESCRIPTION

3.0 (E) RCPTS

1.5 (E) NETWORK

4.0 (E) RCPTS

4.0 (E) LTS

4.0 (E) LTS

0.0 SPARE

0.0 SPARE

0.0 SPARE

2.5 UV UNITS

SPACE

SPACE

	PANEL	F	SCHEDULE			
SERVICE:	120/208	VOLTS	3 ø			
CAPACITY:	225	AMP BUS	10000	SCA AVAIL		
	225	AMP LUGS				
FED FROM:	MSB		FLUSH	MOUNTED		
			CIRCUIT			
DESCRIPTION	LOAD	BREAKER	AND	BREAKER	ΙΟΔΠ	DESCRIPTION
DESCRIPTION	(AMP)	(AMP/POLE)	PHASE	(AMP/POLE)	(AMP)	DESCRIPTION
	(AIVIE)	(AIVIF/FOLL)	FIASL	(AIVIF/FOLL)	(AIVIE)	
E) LTS	4.0	20/1	1A I 2A	20/1	4.0	(E) LTS
E) LTS	4.0	20/1	3B I 4B	20/1	4.0	(E) LTS
E) LTS	4.0	20/1	5C I 6C	20/1	4.0	(E) LTS
E) LTS	4.0	20/1	7A I 8A	20/1		(E) RCPTS
E) LTS	4.0	20/1	9B I 10B	20/1		(E) RCPTS
E) LTS	4.0	20/1	11C I 12C	20/1		(E) LTS
E) LTS	4.0	20/1	13A I 14A	20/1		(E) LTS
E) LTS	4.0	20/1	15B I 16B	20/1		(E) LTS
E) LTS	4.0	20/1	17C I 18C	20/1		(E) RCPTS
E) LTS	4.0	20/1	19A I 20A	20/1		(E) LTS
E) LTS	4.0	20/1	21B I 22B	20/1		(E) LTS
E) LTS	4.0	20/1	23C I 24C	20/1		(E) RCPTS
E) UV	12.0	30/3	25A I 26A	20/1		(E) LTS
L) 0 V	12.0	30/3	27B I 28B	20/1		• •
			29C I 30C	20/1		(E) LTS
T)   TC	12.0	20/4				(E) LTS
E) LTS	4.0	20/1	31A   32A	20/1		(E) LTS
E) LTS	4.0	20/1	33B I 34B	20/1		(E) LTS
E) LTS	4.0	20/1	35C   36C	20/1		(E) LTS
E) LTS	4.0	20/1	37A I 38A	20/1		(E) LTS
E) LTS	4.0	20/1	39B I 40B	20/1		(E) RCPTS
E) LTS	4.0	20/1	41C I 42C	20/1	3.0	(E) RCPTS
NCIDENT FNFF	RGY = 0.5 C	:AL/CM^2 PPF	CAT 0 18" V	VORKING DISTA	NCE.	-
SUMMARY:						
AMP LOAD		А	В	С		
CONNECTED	)	63.0	62.0	61.0		
DEMAND		63.0				
DEMAND LOAD				63.0		
SPARE LOAD				9.5		
CONT LOAD				13.7		
TOTAL LOAD				96 1		
				86.1		
GROWTH				8.6		
DESIGN LOAD				94.7		
1 - > 1 -   N     (   M   )				u/ /		

SCHEDULES

E 6.01

20 MAR 18