

ITEM NO		EQUIPMENT DISCRIPTION	AMPS	VOLTAGE/ PHASE	WIRE SIZE	HEIGHT (AFF)	NOTE
$\langle 1 \rangle$	2	S/S WORK TABLE	15.0	120V/1ø	(3) #12, 1/2"C.		
$\overline{\langle 2 \rangle}$	1	BULK CO2 TANK	15.0	120V/1ø	(3) #12, 1/2"C.	48"	
$\overline{\langle 3 \rangle}$	1	PORTABLE OIL FILTER	15.0	120V/1ø	(3) #12, 1/2"C.	20"	
(5)	1	BAG–IN–BOX SYSTEM	15.0	120V/1ø	(3) #12, 1/2"C.	60"	
$\overline{\langle 11 \rangle}$	3	COOLER/FREEZER LIGHTS AND ACCESSORIES	10.0	120V/1ø	(3) #12, 1/2"C.		2
(11A)	1	BEER COOLER CONDENSER	16.1	208V/1ø	(3) #10, 3/4"C.		
(11B)	1	BEER COOLER COIL	15.0	120V/1ø	(3) #12, 1/2"C.		
(110)	1	COOLER CONDENSER	22.2) 208V/1ø	(3) #10, 3/4"C.		
(11D)	1	COOLER COIL	15.0	, 120V/1ø	(3) #12, 1/2"C.		
(11E)	1	FREEZER CONDENSER	25.3	, 208V/1ø	(2) #8 & (1) #10 GRD, 3/4"C.		
(11F)	1	FREEZER COIL	15.0	, 208V/1ø	(3) #12, 3/4"C.)	
(116)	1	DRAIN LINE HEATER	15.0	240V/1ø	(3) #12, 1/2"C.		
(18)	1	FOOD PROCESSOR	12.0	120V/1ø	(3) #12, 1/2"C.	48"	
(18.)	1	IMMERSION HAND MIXER	_10.0	120V/1ø	(3) #12, 1/2"C.	48"	
(19)		FOOD SLICER	1.4) 120V/1ø	(3) #12, 1/2"C.	48"	
<u>(22)</u>	1	NOT USED					
$\langle 26 \rangle$	2	EXHAUST HOOD SYSTEM	15.0	120V/1ø	(3) #12, 1/2"C.		
$\overline{\langle 31 \rangle}$		REFRIGERATED EQUIPMENT STAND	6.0	120V/1¢	(3) #12, 1/2°C.	20"	
$\langle 33 \rangle$		REFRIGERATED EQUIPMENT STAND	6.0	120V/1¢		20"	
$\overline{\langle 34 \rangle}$	1	BATTERY FRYER	12.0	120V/1¢	(3) #12, 1/2"C. (3) #12, 1/2"C.	20"	
$\overline{\langle 35 \rangle}$		UNDERCOUNTER FREEZER	12.0	120V/1¢	(3) #12, 1/2°C.	20	\sim
$\overline{\langle 36 \rangle}$	1	ICE MAKER	11.0	208V/1ø	(3) #12, 1/2°C.	60"	
(36) (36.)	1	REMOTE CONDENSER	1.0	208V/1¢		00	
<u>20. p</u> (37)				,	(3) #12, 1/2"C.	20"	
$- \ge$	1	PREP REFRIGERATOR	5.8	120V/1ø	(3) #12, 1/2"C.		
<u> </u>		PREP REFRIGERATOR	6.0	120V/1ø	(3) #12, 1/2"C.	20"	
<u> </u>		HOT FOOD SERVING COUNTER	12.5	120V/1ø	(3) #12, 1/2"C.	20"	
$\frac{\langle 41 \rangle}{\langle 11 \rangle}$		REACH IN UNDERCOUNTER FREEZER	1.8	120V/1ø	(3) #12, 1/2"C.	20")
(41.)		NOT USED)
$\left\langle 43\right\rangle$	1	MEGA TOP PREP REFRIGERATOR	2.8) 120V/1ø	(3) #12, 1/2"C.	20"	
<u> </u>	1	HEAT LAMP	13.3	120V/1ø	(3) #12, 1/2"C.	56"	1
<u> </u>	1	REFRIGERATED WORKTOP	4.8) 120V/1ø	(3) #12, 1/2"C.	20"	
<u> </u>	1	PANINI GRILL	13.3	240V/1ø	(3) #12, 1/2"C.	42")
<u> </u>	2	HEAT LAMP	23.3	120V/1ø	(3) #12, 1/2"C.	56"	1
<u></u>	1	REFRIGERATED WORKTOP	2.0	120V/1ø	(3) #12, 1/2"C.	20"	
<u> </u>	1	FOOD PAN WARMER	8.3	120V/1ø	(3) #12, 1/2"C.	48"	
<u> </u>	1	MULTICOOK OVEN	28.0	208V/3ø	(3) #8 & (1) #10 GRD, 1"C.	48")
60	1	UNDERCOUNTER REFRIGERATOR	2.3	120V/1ø	(3) #12, 1/2°C.	20"	
64	1	SOAD DISPENSER	2.4	120V/1ø	(3) #12, 1/2"C.	60"	
68	1	DISHWASHER	111.3	208V/3ø	(3) #1/0 & (1) #6 GRD, 2"C.	20"	
(80)	1	UNDERCOUNTER DISWASHER	3.5	120V/1ø	(3) #12, 1/2"C.	20"	
$\langle 88 \rangle$	1	REFRIGERATED BACK BAR CABINET	7.0	120V/1ø	(3) #12, 1/2"C.	20"	8

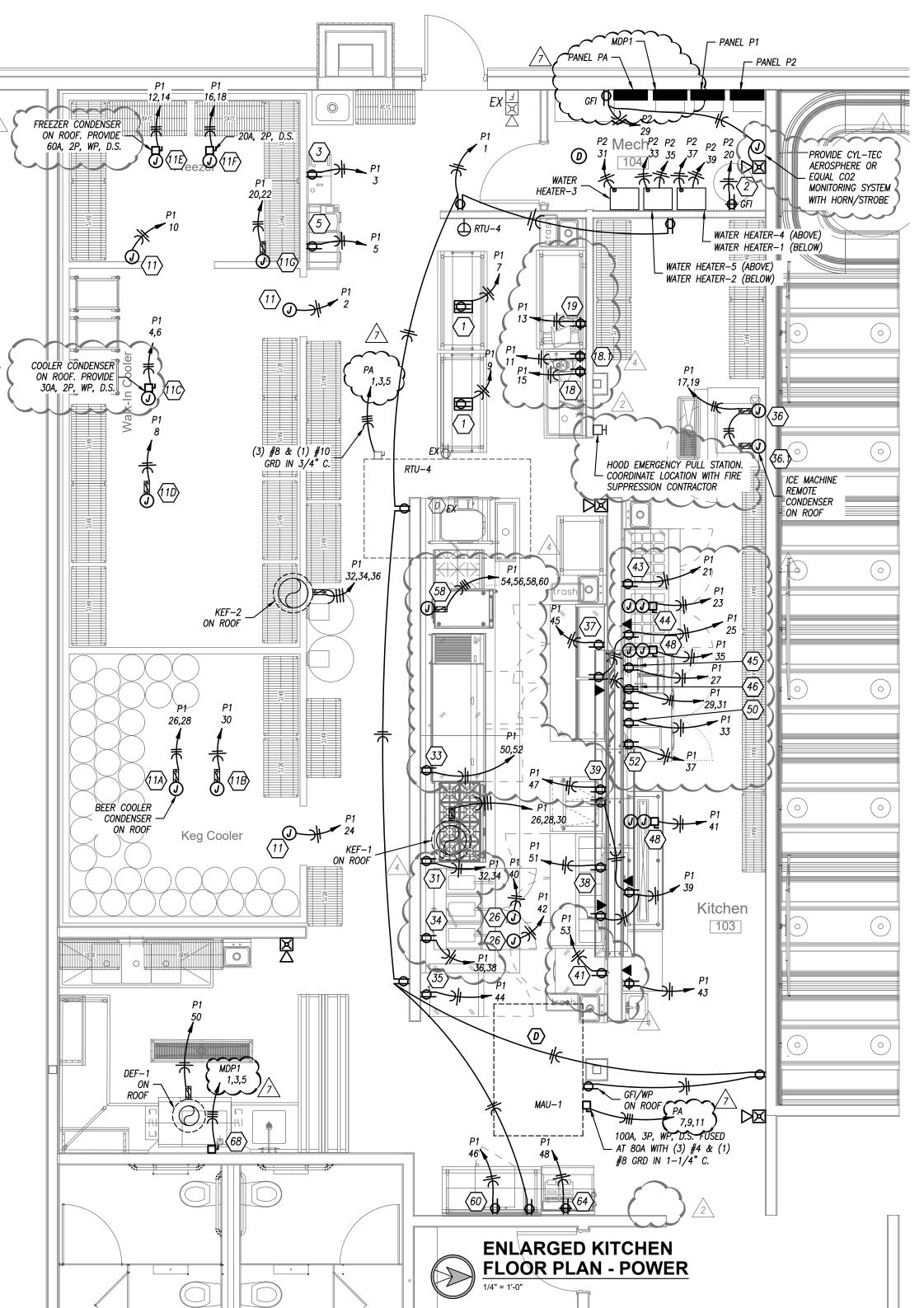
1. PROVIDE (2) JUNCTION BOXES, ONE FOR HEAT LAMP AND ONE FOR REMOTE CONTROL ENCLOSURE. PROVIDE DISCONNECT SWITCH ABOVE ACCESSIBLE CEILING, UPSTREAM OF REMOTE CONTROL AND HEAT LAMP. SEE KITCHEN EQUIPMENT DRAWINGS FOR EXACT MOUNTING HEIGHT AND MANUFACTURE'S INSTRUCTIONS FOR EXACT WIRING REQUIREMENTS. 2. PROVIDE CONNECTION TO ALL ACCESSORIES (HEAT TAPE, PRESSURE RELIEF PORT, LIGHT/THERMOMETER SWITCH, VAPOR LIGHT, ETC) PER

MANUFACTURER'S INSTRUCTIONS. REMARKS:

1. EQUIPMENT ON SCHEDULE FURNISHED BY OTHERS.

2. EQUIPMENT SUBJECT TO CHANGE, FIELD VERIFY EQUIPMENT W/ OWNER AND ARCHITECT.
 3. FIELD VERIFY ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT.
 4. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

5. COORDINATE EXACT LOCATION OF EQUIPMENT WITH OWNER.



4

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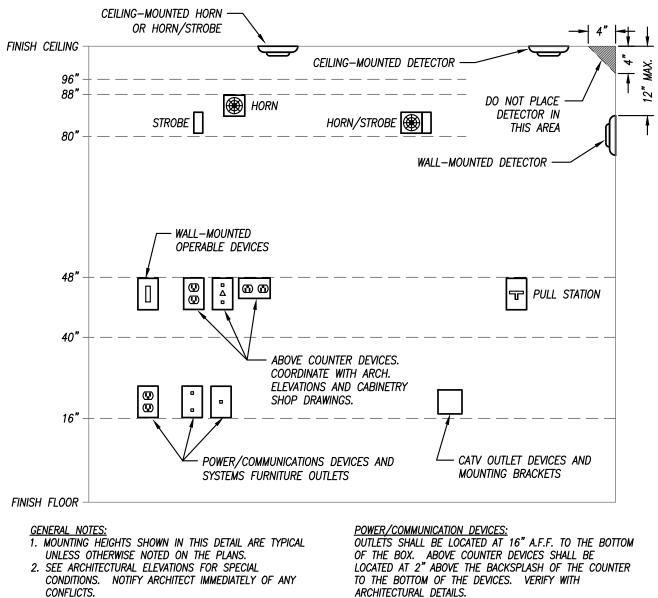
30hop SOWP

1020 NW Pryor Road, Lees Summit,MO 64081 30hop owner

	date	description
	05.02.24	Issue For Permit
1	05.22.24	Permit Revision
2	06.10.24	Permit Revision
4	07.23.24	Kitchen Equipment Rev
\triangle	09.17.24	Electrical Revisions

orientation 232882 project number _____ As Noted scale 8/30/2024 date ____ Power Plan sheet title

sheet number



3. ALL INSTALLATIONS SHALL COMPLY WITH ADA. VISUAL FIRE ALARM NOTIFICATION DEVICES (STROBE) LOCATE DEVICE SO THE BOTTOM OF THE DEVICE IS

BETWEEN 80" AND 96" A.F.F. (NFPA) OR 6" BELOW CEILING, WHICHEVER IS LOWER (ADA 2010).

AUDIBLE FIRE ALARM NOTIFICATION DEVICES (HORN) LOCATE DEVICE SO THAT THE TOP OF UNIT IS NOT MORE THAN 90" A.F.F. AND NOT LESS THAN 6" BELOW CEILING (NFPA)

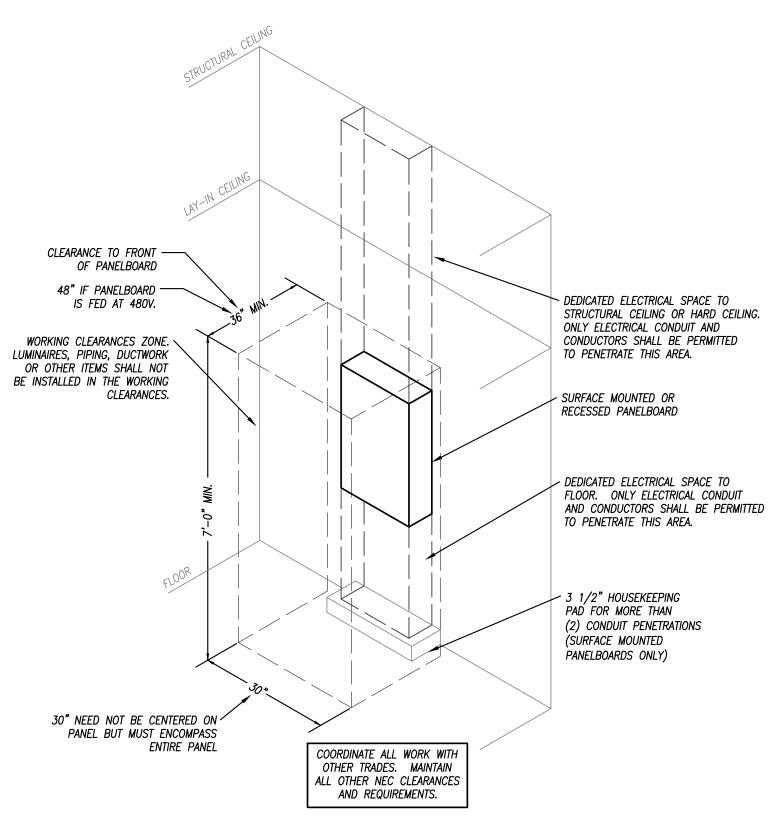
FIRE ALARM ACTIVATION DEVICES (PULL STATION) LOCATE FRONT-APPROACH DEVICES SO THAT THE HIGHEST OPERABLE PORTION OF THE DEVICE IS NOT MORE THAN 48" A.F.F (ADA 2010) AND NOT LESS THAN 42" A.F.F. (NFPA).

ARCHITECTURAL DETAILS.

<u>WALL-MOUNTED OPERABLE DEVICES:</u> OPERABLE DEVICES SHALL BE LOCATED AT 48" A.F.F. TO THE TOP OF THE OPERABLE PORTION OF THE DEVICE.

WALL-MOUNTED OPERABLE DEVICES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: LIGHT SWITCHES, DIMMERS, CONTROLS, ETC. PUSH BUTTONS NURSE/PATIENT CALL DEVICES (INLUDING THOSE FOR STAFF USE) OTHER CONTROL OR "CALL" DEVICES

MOUNTING HEIGHTS FOR WALL-MOUNTED DEVICES NOT TO SCALE



TYPICAL PANELBOARD INSTALLATION DETAIL NOT TO SCALE

PLAN MARK	MANUFACTURER	MODEL	SIZE	MOUNTING	FINISH	MIN LUMEN/MAX WATTS	CRI/CCT	NOTES
A	JUSTICE DESIGN	CER-6300-BIS-MBLK-INC	-	PENDANT	BLACK	8 WATTS	-	2
B1	AXIS	ED2-500-90-27-UB-4-BLK/BLK-120-DP-45D	4'	SUSPENDED	BLACK	2,000 LUMENS/14 WATTS	90/2700К	1
B2	AXIS	ED2-500-90-27-UB-2-BLK/BLK-120-DP- 4 5D	2'	SUSPENDED	BLACK	1,000 LUMENS/7 WATTS	90/2700K	1
B3	AXIS	SCD-300-90-27-FL-3-BLK-120-DP	3'	SUSPENDED	BLACK	1,500 LUMENS/10 WATTS	90/2700K	1
С	DMF	XCP-R-9-C-4-S-D-12-WF-0-00-00-27-BK-0	3"	PENDANT	BLACK	1,250 LUMENS/15 WATTS	90/2700K	1
D	BASELITE	D614-46-BLC	-	SUSPENDED	YELLOW	8 WATTS	-	1,2
D1	BASELITE	D614-46-STEM	-	PENDANT	YELLOW	8 WATTS	-	1,2,3,4
Ε	BASELITE	MW529-41-CBLC	-	SUSPENDED	BLACK	8 WATTS	-	1,2
F	BASELITE	P-HP1-41-STEM-FR3-CG1	-	PENDANT	BLACK	8 WATTS	-	1,2,3,4
G	BASELITE	WBC20-41-CABLE AND CORD MOUNT	-	SUSPENDED	BLACK	8 WATTS	-	1,2
Н	BASELITE	PEO-90-BLC	-	SUSPENDED	GREEN	8 WATTS	-	1,2
I	DIODE	DI-24V-BLBSC2-27-SL-AL OMNI DRIVE X (ODX)	-	SURFACE	-	3 WATTS PER FT	90/2700K	1
J	NOT USED							
K1	DMF	M4NCRS/DRD2M-12-927-FL-A/M4TRS-BK	4"	RECESSED	BLACK	1,250 LUMENS, 14 WATTS	90/2700K	1
K2	DMF	M4NCRS/DRD4M-10-927-FL-A/M4TRS-BK	4"	RECESSED	BLACK	1,000 LUMENS, 12 WATTS	90/2700K	1
L	JUNO	T381-G2-27K-90-PDIM-FL-BL-HCLBL200	-	TRACK	BLACK	1,000 LUMENS, 11 WATTS	90/2700K	1,5
м	LITHONIA	2GTL-2-40L-FW-LP840	2X2	RECESSED	WHITE	4,000 LUMENS, 35 WATTS	80/4000K	1
N	JUNO	IC1JB-JSF-13IN-18LM-30K-90-120FRPC-WH	13"	SURFACE	WHITE	1,800 LUMENS, 20 WATTS	90/3000К	1
Р	BASELITE	SFM1-41-WJB41/2-FR3-CG1	-	SURFACE	BLACK	8 WATTS	-	1,2
Q	ELECTRIC MIRROR	EMINENCE 24WX36H EMN3-24X36-01L-OS-RC6.0-TD2-WG3-30K	-	SURFACE WALL	-	81 WATTS	90/3000K	1
X1	LITHONIA	EDG-1-GMR / ELA-US12	-	PENDANT	-	-	-	1,6
X2	LITHONIA	EDG-1-GMR	_	SURFACE			-	1,6
X3	LITHONIA	WLTE-B-1-G	<u> </u>	SURFACE WALL	BLACK	_		1,3,4,0

NOTES LEGEND

PROVIDE DIMMABLE LED DRIVER UNIVERSAL VOLTAGE

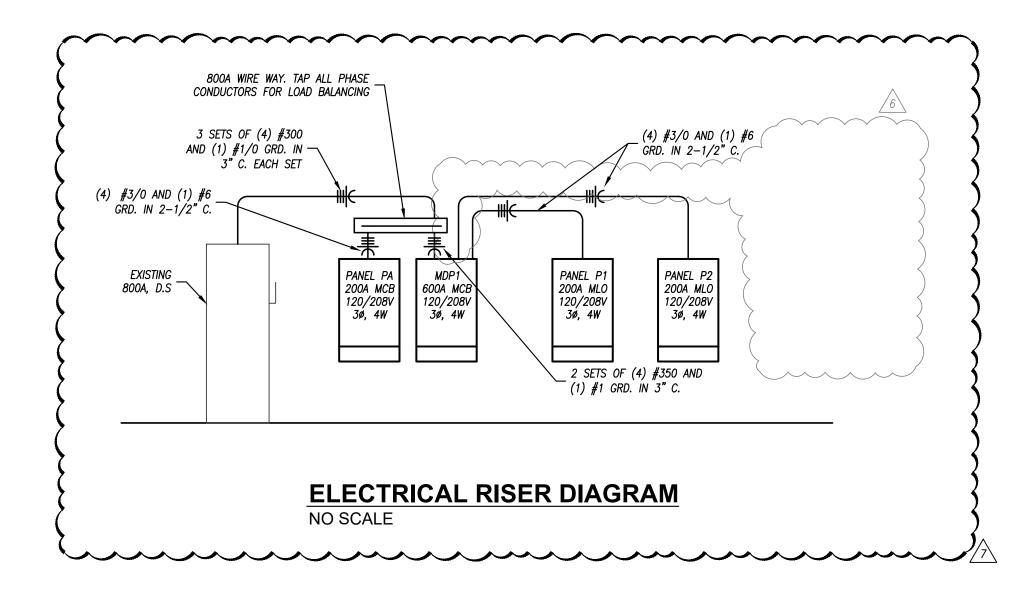
PROVIDE WITH PHILIPS 8W, A19 WARM GLOW LED DIMMABLE BULB.

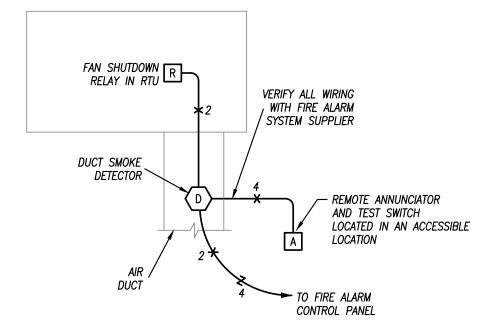
PROVIDE WET LOCATION RATED FIXTURE.

PROVIDE COLD LOCATION RATED BALLAST.

PROVIDE 1 CIRCUIT SURFACE TRACK - REFER TO PLANS FOR TRACK LENGTH AND CONFIGURATION. PROVIDE ALL NECESSARY POWER FEEDS AND ACCESSORIES FOR COMPLETE INSTALLATION. TRACK AND COMPONENT FINISHES TO MATCH FIXTURE. PROVIDE EACH TRACK RUN WITH 3 AMP CURRENT LIMITER.

PROVIDE EMERGENCY BATTERY MINIMUM OF 1000 LUMENS FOR 90 MINUTES





DUCT SMOKE DETECTOR DIAGRAM

NOT TO SCALE

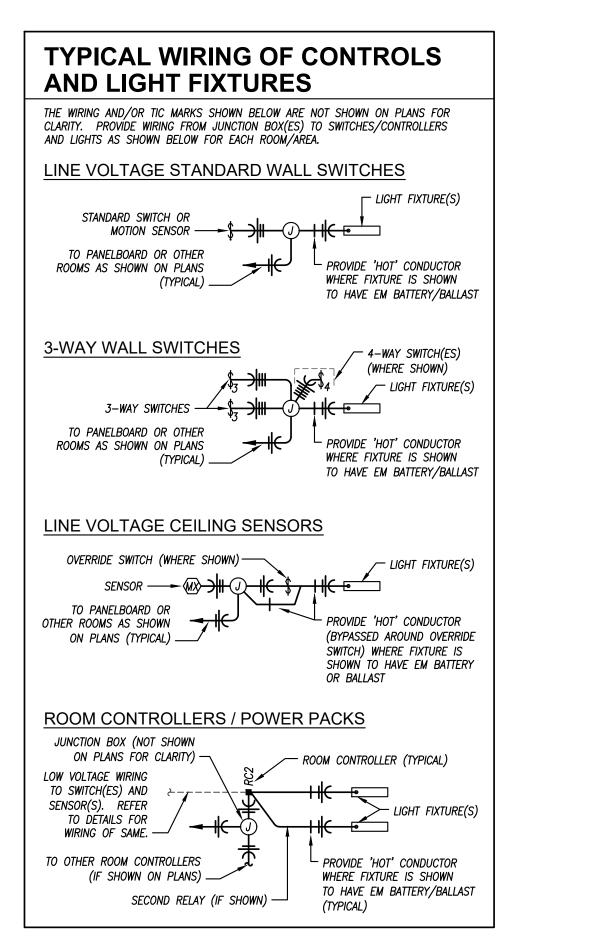
NAME	DESCRIPTION	ELECTRICAL AMPS, WIRE	POLES	CIRCUITS	NOTES
C1	ZONE 1 ELECTRIC HEATERS	30A, 2W	24	P3 1–24	1,2
C2	ZONE 2 ELECTRIC HEATERS	30A, 2W	18	P3 25-41,43	1,2
С3	ZONE 3 ELECTRIC HEATERS	30A, 2W	14	P3 42,44–56	1,2



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ROOM CONTROLLER SCHEDULE

				RELAYS	
MARK	MANUFACTURER	MODEL	NO.	TYPE	VOLTAGE
RCD1	WATTSTOPPER	LMRC-211	1	DIMMING (0-10V)	120 V
RCD2	WATTSTOPPER	LMRC-212	2	DIMMING (0-10V)	120 V
RC1	WATTSTOPPER	LMRC-101	1	ON/OFF	120 V
RC2	WATTSTOPPER	LMRC-102	2	ON/OFF	120 V

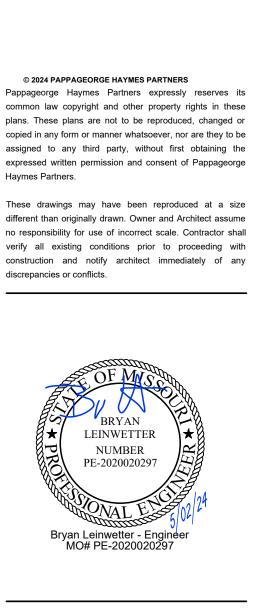
	LIGH		GONTROL DEV	ICE
MARK	MANUFAC.	MODEL	DESCRIPTION	VOLTAGE
CEILING S	ENSORS			
М1	WATTSTOPPER	LMDC-100	DUAL-TECHNOLOGY CEILING SENSOR. 24V OPERATION WITH CAT5 CONNECTION.	24 V
М2	WATTSTOPPER	DT-355	DUAL-TECHNOLOGY CEILING SENSOR. LINE VOLTAGE.	120 V
SWITCHES	S			
L#	WATTSTOPPER	LMSW-100 SERIES	DIGITAL DECORA PUSHBUTTON SWITCH WITH LED PILOT LIGHT. CAT5 CONNECTION TO CONTROLLER. # REFERS TO QUANTITY OF BUTTONS ON FACE.	24 V
LD1	WATTSTOPPER	LMDM-101	DIGITAL DECORA DIMMING SWITCH WITH LED PILOT AND INDICATING LIGHTS. CAT5 CONNECTION TO CONTROLLER.	24 V
WALL SEN	SORS			
М	WATTSTOPPER	DSW-100	DUAL-TECHNOLOGY WALL SENSOR. LINE VOLTAGE.	120 V

GENERAL LIGHTING NOTES

- 1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
- 2. LIGHT FIXTURES INDICATED AS EMERGENCY FIXTURES ARE TO FUNCTION AS NIGHT LIGHTS UNLESS SPECIFICALLY SHOWN SWITCHED.
- 3. ALL CIRCUITING SHOWN ON THIS PLAN IS DIAGRAMMATIC.

- 3.1. ALL FIXTURES SHALL BE FED FROM JUNCTION BOXES WITH LIGHT FIXTURE WHIPS (<6'). DAISY-CHAINING OF FIXTURES IS NOT ALLOWED. 3.2. SWITCH BOX LOCATIÓNS SHALL BE WIRED SO THAT A NEUTRAL WIRE IS AVAILABLE AT THE SWITCH BOX LOCATION, EITHER IN THE BOX OR
- AVAILABLE TO BE ADDED VIA RACEWAY OR AN ACCESSIBLE WALL CAVITY. 3.3. WALL SWITCHES FOR SEPARATE LOAD TYPES (EM/NORMAL, 120/277V,
- ETC.) SHALL NOT BE IN A SINGLE BOX. 3.4. REFÉR TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

PLAN MARK	MANUFACTURER	MODEL NUMBER	CAPACITY (WATTS)	ELECTRICAL	NOTES
EUH—1	KING ELECTRIC	RK2030-RMT-BLK	3000 WATTS	208V., 1ø, 20 AMP	1







30hop SOWP

1020 NW Pryor Road, Lees Summit, MO 64081 30hop owner

	date	description
	05.02.24	Issue For Permit
	05.22.24	Permit Revision
3	07.02.24	Permit Revision
6	08.30.24	Gas Heaters
	09.17.24	Electrical Revisions

orientation	
project number	232882
scale	As Noted
date	8/30/2024
sheet title	Electrical Details

sheet number

PANEL DESIGNATI	ON: M)P1				#	+			AMPS:		SCO	CR RATING (AIC):	35,000
	ING: SURFA							MA		AKER:				
	ION: CORRID							F		/WIRE:				
DE0 OD ID TION		PHASE		C	/B		5	C	/B		PHASE		25002	
DESCRIPTION	Α	В	С	TRIP	POLE			POLE	TRIP	Α	В	С	DESCRIF	PTION
DISHWASHER	13367			125	3	1	2	3	20	22880			PA	NELBOARD P1
-		13367		•	-	3	4	-	-		23080			-
			13367	-	-	5	6	-	-			32440		-
RTU-2	6167			70	3	7	8	3	200	11640			PA	NELBOARD P2
-		6167		•	•		10	-	-		8600			-
-	(000		6167	-	-	11		-	-			10870		-
RTU-3	4200	4200		50	3	13		1	-	•	-			SPACE SPACE
-		4200	4200		-	15 17		1	-		-	-		SPACE
SPACE			4200		1	19		1		-		-		SPACE
SPACE		-		-	1	21		1	2		-			SPACE
SPACE			•	· ·	1	23		1	-			-		SPACE
тот	ALS 23733	23733	23733							34520	31680	43310	TOTALS	
				-										
	PANELB												NECTED PHASE L	1
LOAD DESCRIPTION		ECTED		DEMAN	D	C	OD	E MIN.	(VA)		PH/		VA	AMPS
LIGHTS	5	520	4010	1.25	DECT			5,650				A >	58,253	485.1
RECEPTACLES MOTORS		980 910		/A + 50% EST + SU		4		11,990 8,833		-		3	55,413 67,043	461.4 558.3
AIR CONDITIONING		100		1.00				31,100			тот		180,710	501.6
SPACE HEATING		00		0.00				0		-	101	ALO	100,710	501.0
HEAT PUMP		0		1.00				0			REMAR	(S:		
CONTINUOUS		0		1.25				0			1. EATO	N POW-R	-LINE 2X OR EQUAL.	
NON-CONTINUOUS	83,	180		1.00				83,180		1	2.			
		0		1.00				0			3.			
MISC. LOADS 1				11100 1 1 1 1 1 1				U			J .			
SINGLE-SE		N P	ZING LO		MPS):			166,240 461 SCH	IED	OUL AMPS:	4. 5.	SCO	CR RATING (AIC):	: 35,000
SINGLE-SE PANEL DESIGNATI	on: PA	N P	ZING LO	DAD (A	MPS):	#) (166,246 461 SCH MAIR	HED N LUG	AMPS: AKER:	4. 5. E 225 200	SCO	CR RATING (AIC):	35,000
SINGLE-SE	ON: PA	N P	ZING LO	DAD (A	MPS):	#) (166,246 461 SCH МАШ МА	HED N LUG IN BRE VOL	AMPS:	4. 5. 225 200 208/120	SCO	CR RATING (AIC):	35,000
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT	ON: PA	N P	ANE	ELB	MPS):) (166,246 461 SCH МАШ МА	HED N LUG IN BRE VOL	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120			
SINGLE-SE PANEL DESIGNATI MOUNT	ON: PA	NP	ANE	ELB	MPS):			166,246 461 SCH МАШ МА	HED N LUG IN BRE VOL PHASE /B	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120 3Ø, 4W		CR RATING (AIC):	
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT	ON: PA ING: - ION: -	N P			MPS): OA			166,246 461 SCH МАШ МА	HED N LUG IN BRE VOL PHASE /B	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120 3Ø, 4W PHASE			
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION	ON: PA ING: - ION: - A	N P			/B POLE	CIRCIIIT #		166,246 461 SCH МАШ МА	HED N LUG IN BRE VOL PHASE /B	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120 3Ø, 4W PHASE			PTION SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 -	ON: PA	N P		ELB	/B POLE 3 -	# HEICAIC	2 4 6	166,246 461 SCH МАШ МА F C, POLE 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120 3Ø, 4W PHASE B			PTION SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 -	ON: PA ING: - ION: - A	N P PHASE B 6167		ELB	/B POLE 3 - 3	# L II CAIC 1 3 5 7	2 4 6 8	166,246 461 SCH MAII MA F C, POLE 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - -	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120 3Ø, 4W PHASE B -	С		PTION SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 -	ON: PA	N P		ELB	/B POLE 3 - 3 -	1 3 5 7 9	2 4 6 8 10	166,246 461 SCH MAII MA F C, POLE 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - -	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120 3Ø, 4W PHASE B	-		PTION SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 -	ON: PA ING: - ION: - A 6167 7367	N P PHASE B 6167		ELB C TRIP 70 - - 80 - -	/B POLE 3 - 3	1 3 5 7 9 11	2 4 6 8 10 12	166,246 461 SCH MAII MA F C, POLE 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - -	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120 3Ø, 4W PHASE B -	С		PTION SPACE SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 -	ON: PA	N P PHASE B 6167		ELB	/B POLE 3 - 3 - 3 -	1 3 5 7 9	2 4 6 8 10 12 14	166,246 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - -	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120 3Ø, 4W PHASE B -	-		PTION SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4	ON: PA ING: - ION: - A 6167 7367	N P PHASE B 6167 7367		DAD (A ELB 70 - 80 - 50	/B POLE 3 - 3 - 3 - 3	# 	2 4 6 8 10 12 14 16	166,246 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - -	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120 3Ø, 4W PHASE B -	-		PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4 -	ON: PA ING: - ION: - A 6167 7367	N P PHASE B 6167 7367	C 6167 7367	C ELB C TRIP 70 - 80 - 50 - -	/B POLE 3 - 3 - 3 - 3 - 3 -	# 	2 4 6 8 10 12 14 16 18	166,246 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE:	4. 5. 225 200 208/120 3Ø, 4W PHASE B -	- -		PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4 - - SPACE SPACE SPACE	ON: PA ING: - ION: - A 6167 7367 4200	N P PHASE B 6167 7367	C 6167 7367	DAD (A ELB 70 - 80 - 50 - 50 -	MPS): OA POLE 3 - 3 - 3 - 3 - 3 - - 3 -	# - - - - - - - - - - - - - - - - - - -	2 4 6 8 10 12 14 16 18 20 22	166,246 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE: A A -	4. 5. 225 200 208/120 3Ø, 4W PHASE B -	- -		PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4 - - RTU-4 - - SPACE SPACE SPACE	ON: PA ING: - ION: - A A 6167 A 6167 A 7367 A 4200 A C C C C C C C C C C C C C C C C C C	PHASE B 6167 7367 4200	ANE 61167 7367 4200	C C TRIP 70 - - 80 - 50 - - 50 - - - - - -	MPS): OA POLE 3 - 3 - 3 - 1	# 	2 4 6 8 10 12 14 16 18 20 22	166,246 461 SCH MAII MA F C. POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE: A A -	4. 5. 225 200 208/120 3Ø, 4W PHASE B - -	- -	DESCRIP	PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4 - - SPACE SPACE SPACE	ON: PA ING: - ION: - A A 6167 A 6167 A 7367 A 4200 A C C C C C C C C C C C C C C C C C C	N P PHASE B 6167 7367 4200	C 6167 7367	C C TRIP 70 - - 80 - 50 - - 50 - - - - - -	MPS): OA POLE 3 - 3 - 3 - 1 1 1	# - - - - - - - - - - - - - - - - - - -	2 4 6 8 10 12 14 16 18 20 22	166,246 461 SCH MAII MA F C. POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE: A A -	4. 5. 225 200 208/120 3Ø, 4W PHASE B - -	- -		PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4 - - SPACE SPACE SPACE SPACE TOT/	ON: PA ING: - ION: - A 6167 7367 4200 4200 4200 4200 ALS 17733	PHASE B 6167 7367 4200 - 17733	ANE ANE C 6167 7367 4200 4200 - 17733	DAD (A ELB C TRIP 70 - - - - 50 - - - - - - - - - - - - - -	MPS): OA /B POLE 3 - 3 - 1 1 1 1 1	# 	2 4 6 8 10 12 14 16 18 20 22 24	166,240 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE: A A A -	4. 5. 225 200 208/120 3Ø, 4W PHASE B - - - - - - - - - - - - - - - 0	С - - - 0	DESCRIF	PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4 - - SPACE SPACE SPACE SPACE SPACE TOTA	ON: PA ING: - ION: - A 6167 7367 4200 4200 4200 - ALS 17733 PANELB CONN	PHASE B 6167 7367 4200 4200 - 17733 OARD ECTED	ANE ANE C 6167 7367 4200 4200 - 17733	DAD (A ELB C TRIP 70 - - 80 - - 50 - - - - - - - - - - - - - - - -	MPS): OA /B POLE 3 - 3 - 1 1 1 1 1	# 	2 4 6 8 10 12 14 16 18 20 22 24	166,240 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE: A A A -	4. 5. 225 200 208/120 3Ø, 4W PHASE B - - - - - - - - - - 0	- - - - - 0 -	DESCRIF	PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4 - - SPACE SPACE SPACE SPACE SPACE TOT/	ON: PA ING: - ION: - A 6167 7367 4200 4200 4200 4200 ALS 17733 PANELB CONN	PHASE B 6167 7367 4200 4200 17733 OARD ECTED 0	ANE ANE 6167 7367 4200 - 17733 SIZING	DAD (A ELB C TRIP 70 - - - 50 - - - - - - - - - - - - - - -	MPS): OA /B POLE 3 - 3 - 3 - 1 1 1 1 1 0 D	# 	2 4 6 8 10 12 14 16 18 20 22 24	166,240 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE: A A A -	4. 5. 225 200 208/120 3Ø, 4W PHASE B - - - - - - - - - - - - - - - - - -	C - - - - - 0 -	DESCRIF	PTION SPACE
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SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4 - - SPACE SPACE SPACE SPACE SPACE SPACE TOTA LOAD DESCRIPTION LIGHTS RECEPTACLES MOTORS	ON: PA ING: - ION: - ION: - A	PHASE B 6167 7367 4200 4200 - 17733 OARD ECTED 0 0	ANE ANE 6167 7367 4200 4200 17733 SIZING 10KV	CAD (A ELB C TRIP 70 - - 80 - - 50 - - - 50 - - - - - - - - - - -	MPS): OA /B POLE 3 - 3 - 3 - 1 1 1 1 1 2 D REST	* - - - - - - - - - - - - -	2 4 6 8 10 12 14 16 18 20 22 24	166,240 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE: A A A -	4. 5. 225 200 208/120 3Ø, 4W PHASE B - - - - - - 0 0 - - - - - - - - - - -	С - - - - - - - - - - - - - - - - - - -	DESCRIF	PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE
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SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - MAU-1 - - RTU-4 - - SPACE SPACE SPACE SPACE SPACE SPACE TOTA LOAD DESCRIPTION LIGHTS RECEPTACLES MOTORS AIR CONDITIONING SPACE HEATING	ON: PA ING: - ION: - A 6167 7367 4200 4200 4200 4200 ALS 17733 PANELB CONN 53, 53,	PHASE B 6167 7367 4200 4200 4200 0 0 0 0 0 0 0 0 0 0 0 0	ANE ANE 6167 7367 4200 4200 - 17733 SIZING	CAD (A ELB C TRIP 70 - - 80 - - 50 - - 50 - - 50 - - 50 - - 50 - - 50 - - 50 - - 50 - - 50 - - 50 - - 50 - - - 50 - - - 50 - - - 50 - - - - 50 - - - - - - - - - - - - -	MPS): OA /B POLE 3 - 3 - 3 - 1 1 1 1 1 2 D REST	* - - - - - - - - - - - - -	2 4 6 8 10 12 14 16 18 20 22 24	166,240 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE: A A - - - - - - -	4. 5. 225 200 208/120 3Ø, 4W PHASE B - - - - - - - - - - - - - - - - - -	C - - - - - - - - - - - - - - - - - - -	DESCRIF	PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4 - - SPACE SPAC	ON: PA ING: - ION: - A 6167 7367 4200 4200 4200 6 10 7367 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PHASE B 6167 7367 4200 4200 4200 0 0 0 0 0 0 0 0 0 0 0 0	ANE ANE 6167 7367 4200 4200 - 17733 SIZING	CAD (A ELB C TRIP 70 - - - 80 - - - 50 - - - - - - - - - - - - - - -	MPS): OA /B POLE 3 - 3 - 3 - 1 1 1 1 1 2 D REST	* - - - - - - - - - - - - -	2 4 6 8 10 12 14 16 18 20 22 24	166,240 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE: /WIRE: /	4. 5. 225 200 208/120 3Ø, 4W PHASE B - - - - - - - - - - - - - - - - - -	C - - - - - - - - - - - - - - - - - - -	DESCRIF	PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE
SINGLE-SE PANEL DESIGNATI MOUNT LOCAT DESCRIPTION RTU-1 - - MAU-1 - - RTU-4 - - RTU-4 - - SPACE	ON: PA ING: - ION: - A 6167 A 6167 4200 4200 4200 ALS 17733 PANELB CONN 53, 53,	PHASE B 6167 7367 4200 4200 4200 0 0 0 0 0 0 0 0 0 0 0 0	ANE ANE 6167 7367 4200 - 17733 SIZING 10KV × LARE	CAD (A ELB 70 70 - - 50 - - 50 - - - 50 - - - 50 - - - -	MPS): OA	* - - - - - - - - - - - - -	2 4 6 8 10 12 14 16 18 20 22 24	166,240 461 SCH MAII MA F C, POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HED N LUG IN BRE VOL PHASE /B TRIP - - - - - - - - - - - - - - - - - - -	AMPS: AKER: TAGE: /WIRE: /WIRE: /	4. 5. 225 200 208/120 3Ø, 4W PHASE B - - - - - - - - - - - - - - - - - -	C - - - - - - - - - - - - - - - - - - -	DESCRIF	PTION SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE

SINGLE-SECTION PANELBOARD SCHEDULE

PANEL DESIGNATION:	D1						MA	IN LUG	AMPS:	225	SCC	CR RATING (AIC): 35,000	
TANLE DESIGNATION.						#	M	AIN BR	EAKER:	M.L.O.			
MOUNTING:	SURFAC	E				5		VO	LTAGE:	208/120			
LOCATION:	MECH 1	04				CIRCUIT		PHASE	E/WIRE:	WIRE: 3Ø, 4W			
DESCRIPTION		PHASE		C	/В	0 0		C/B		PHASE	-	DESCRIPTION	
DESCRIPTION	Α	В	С	TRIP	POLE		POL	E TRIP	Α	В	С	DESCRIPTION	
REC-KITCHEN -GFI	1080			20	1	1 2	1	20	1200			WALK-IN COOLER-GFI	
PORTABLE OIL FILTER-GFI		1800		20	1	3 4	2	30	÷, *,,	2670	-, 0 ,,0,	COOLER CONDENSER	
BAG-IN-BOX SYSTEM-GFI			1800	20	1	5 6		-			2670	-]
S/S WORK TABLE-GFI	1800			20	1	78	1	20	1800	\sim		COOLER COIL	
S/S WORK TABLE-GFI	\sim	1800		20	1	9 1) 1	20		1200		FREEZER-GFI	
HAND MIXER-GFI	¥		1200	20	1	11 1	2 2	35	~~~~~~		3040	FRĚEZEŘ CONDENŠER	
FOOD SLICER-GFI	180			20	1	13 1	4 🗸 -		3040			-	\mathbf{J}_{i}
FOOD PROCESSOR-GFI		1440		20	1	15 1	6 2	20		1800		FREEZER COIL	
ICE MAKER-GFI			1450	20	2	17 1	3 -	-			1800	-	
•	1450			-	-	19 2) 2	20	1800			DRAIN LINE HEATER-GFI	
MEGA TOP PREP REF-GFI		340		20	1	21 2	2 -	-		1800		-	
HEAT LAMP-GFI			1600	20	1	23 2	4 1	20			1200	BEER COOLER-GFI	
REC-KITCHEN -GFI	540			20	1	25 2	6 2	20	1940			BEER COOLER CONDENSER	
REFRIGERATED WORKTOP-GFI		580		20	1	27 2	3 -	-		1940		-	
PANINI GRILL-GFI			1600	20	2	29 3) 1	20			1800	BEER COOLER COIL	
-	1600			-	-	31 3	2 1	20	720			REFRIGERATED EQUIP STAND-GFI	Ť)
REFRIGERATED WORKTOP-GFI		240		20	1	33 3	4 7					SHUNT TRIP	<u>~</u> 2
HEAT LAMP-GFI			2800	30	1	35 3	3 1	20	Ť Ý	ř 🏹	1440	BATTERY FRYER-GRI	Ì,
FOOD WARMER-GFI	1000			20	1	37 3	3 7	÷	-			SHUNT TRIP	~ _
REC-KITCHEN -GFI		540		20	1	39 4) 1	20		1800		EXHAUST HOOD	
HEAT LAMP-GFI			2800	25	1	41 4	2 1	20			1800	EXHAUST HOOD	1
REC-KITCHEN -GFI	360			20	1	43 4	4 1	20	220			UNDERCOUNTER FREEZER-GFI	1
PREP REFRIGERATOR-GFI	\frown	700		20	1	45 4	6 1	20		280		UNDERCOUNTER FRIDGE-GFI	1
HOOT FOOD SERVING-GFI	V	× V	1500	20	1	47 4	3 1	20			290	SODA DISPENSER-GFI	
SPARE-GFI	-			-	1	49 5		20	720			REFRIGERATED EQUIP STAND-GFI	
PREP REFRIGERATOR-GFI		720		20	1	51 5		-		•		SHUNT TRIP	-
UŇDEŘ COŬNTĚR FŘEEZĚR-ĞFI			220	20	1	53 5	1	40			3430	MULTICOOK OVEN-GFI	V
SPACE	-			-	1	55 5	4	-	3430			-	$\left \right\rangle$
SPACE		-		-	1_	57 5		-		3430		-	
SPARE-GFI			•	•	1	59 6		-			-	SHUNT TRIP	
TOTALS	8010	8160	14970		1				14870	14920	17470	TOTALS	1

P.	PANELBOARD SIZING LOAD										
LOAD DESCRIPTION	CONNECTED	DEMAND	CODE MIN. (VA)								
LIGHTS	0	1.25	0								
RECEPTACLES	2, 520	10KVA + 50% REST	2,520								
MOTORS	0	5 x largest + SUM of Res	0								
AIR CONDITIONING	0	1.00	0								
SPACE HEATING	0	0.00	0								
HEAT PUMP	0	1.00	0								
CONTINUOUS	0	1.25	0								
NON-CONTINUOUS	36,660	1.00	36,660								
MISC. LOADS 1	0	1.00	0								
		SIZING LOAD:	64,673								
	SIZ	ING LOAD (AMPS):	180								

CONNECTED PHASE LOADS							
PHASE							
A	22,880	190.5					
В	23,080	192.2					
С	32,440	270.1					
TOTALS	78,400	217.6					

REMARKS: 1. EATON POW-R-LINE 2X OR EQUAL.

PANEL DESIGNATION: P2 MOUNTING: SURFACE					+			N LUG A			sco	R RATING (AIC): 35,000	
							VOLTAGE: 208/120						
LOCATION: MECH 104							RCUIT	PHASE/WIRE: 3Ø, 4W					
PHASE C/B					5								
DESCRIPTION	Α	В	С	TRIP	POLE	ł		POLE	TRIP	Α	В	С	DESCRIPTION
REC-RESTAURANT	720			20	1	1	2	1	20	1000			LIGHT UP SIGI
REC-RESTAURANT		540		20	1	3	4	1	20		1000		LIGHT UP SIGI
REC-RESTAURANT			540	20	1	5	6	1	20			1000	LIGHT UP SIGI
REC-RESTAURANT	540			20	1	7	8	1	20	1150			LIGHTING-KITCHEN/OFFIC
REC-RESTAURANT		540		20	1	9	10	1	20		750		LIGHTING-HOST/RI
REC-HOST			540	20	1	11	12	1	20			540	LIGHTING-RESTAURAN
REC-OFFICE	720			20	1	13	14	1	20	1160			LIGHTING-BAI
REC-RESTROOMS		540		20	1	15	16	1	20		320		LIGHTING-PATIO
REC-CLOSET			720	20	1	17	18	1	20			1500	PATIO CEILING FAN
REC-BAR - GFI	900			20	1	19	20	1	20	1800			BULK CO2 TAN
REC-BAR - GFI		720		20	1	21	22	1	15		700		EF-
REC-BAR - GFI			1080	20	1	23	24	1	15			520	DEF-
UNDERCOUNTER DISHWASHER-GFI	420			20	1	25	26	3	20	1000			KEF-
REC-BAR TVS		360		20	1	27	28	-	-		1000		
REC-MECH			360	20	1	29	30	•	-			1000	
WATER HEATER-1	200			20	1	31	32	3	20	1230			KEF-
WATER HEATER-2		200		20	1	33	<mark>34</mark>	-	-		1230		
WATER HEATER-3			200	20	1	35	36	•	-			1230	
WATER HEATER-4	200			20	1	37	38	1	20	600			LIGHTING INVERTE
WATER HEATER-5	\frown	200	\frown	20	1	39	40	1	20	\sim	500		FIRE PI
REFRIGERATED CABINET-GFI		*	840	20	1)	41	42 (1	1 5		V	800 ×	GAŠ UNIŤ HEĂTEŘ
SPARE				20	1	43	44	-y	20	<u> </u>			SPAR
SPARE		-		20	1	45		1	20		-		SPAR
SPARE			-	20	1	47	48	1	20			-	SPAR
SPARE	-			20	1	49		1	-	-			SPAC
SPARE		-		20	1	<mark>51</mark>		1	18		÷		SPAC
SPARE			-	20	1	53		1	-			-	SPAC
SPACE	-			·	1	<mark>55</mark>		1	~	-			SPAC
SPACE		-		-	1	57		1	-		-		SPAC
SPACE			-	-	1	59	60	1	-			-	SPAC
TOTALS	3700	3100	4280							7940	5500	6590	TOTALS

PANELBOARD SIZING LOAD						
LOAD DESCRIPTION	CONNECTED	DEMAND	CODE MIN. (VA)			
LIGHTS	4,520	1.25	5,650			
RECEPTACLES	11,460	10KVA + 50% REST	10,730			
MOTORS	7,910	5 x LARGEST + SUM OF RES	<mark>8,833</mark>			
AIR CONDITIONING	0	0.00	0			
SPACE HEATING	800	1.00	800			
HEAT PUMP	0	1.00	0			
CONTINUOUS	0	1.25	0			
NON-CONTINUOUS	6,420	1.00	6,420			
MISC. LOADS 1	0	1.00	0			
SIZING LOAD: 32,433						
SIZING LOAD (AMPS): 90						

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SINGLE-SECTION PANELBOARD SCHEDULE

_								
	CONNECTED PHASE LOADS							
	PHASE	VA	AMPS					
	А	11,640	96.9					
	В	8,600	71.6					
	С	10,870	90.5					
	TOTALS	31,110	86.4					

REMARKS:

1. EATON POW-R-LINE 2X OR EQUAL.

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30hop SOWP

1020 NW Pryor Road, Lees Summit,MO 64081 30hop owner

	date	description
	05.02.24	Issue For Permit
3	07.02.24	Permit Revision
4	07.23.24	Kitchen Equipment Rev
6	08.30.24	Gas Heaters
\triangle	09.17.24	Electrical Revisions

orientation							
project num	nber	232882					
scale		As Noted					
date		8/30/2024					
sheet title	Panelboar	d Schedules					

sheet number