PANEL DE	ESIGNATION MAIN BUS AMPS: 800			VC	LTAGE:	208/120	MOUNTING: SURFACE						
MAIN BREAKER AMP		S: 800	PHAS	E/WIRE:	3Ø, 4W		LOCATION: MECH 104						
IVI	MDP1 SCCR RATING (AIC):		): 35,000										
CIRCUIT	CIRCUIT DESIGNATION		KVA	CIRC	UIT BRE	AKER		FEEDER					
NO.	CIRCUIT DE	II DESIGNATION		POLE	FRAME	TRIP	SETS	# OF WIRES	SIZE	GROUND	CONDUIT		
1	RTU-1		18.5	3	100	70	1	3	#4	#8	1"		
2	RTU-2		18.5	3	100	70	1	3	#4	#8	1"		
3	RTU-3		12.6	3	100	50	1	3	#6	#10	3/4"		
4	RTU-4		12.6	3	100	50	1	3	#6	#10	3/4"		
5	MAU-1		22.1	3	100	80	1	3	#3	#8	1-1/4"		
6	DISHWASHER-	GFI	40.1	3	200	150	1	3	#1	#6	2"		
7	PANELBOARD	P1	74.6	3	200	200	1	4	#3/0	#6	2"		
8	PANELBOARD	ARD P2		3	200	200	1	4	#3/0	#6	2"		
9 (	PANELBOARD	P3	96.9	3	400	400	2	4	#3/0	#3	2"		

PA	ANELBOARD SIZING	G LOAD	
LOAD DESCRIPTION	CONNECTED LOAD	DEMAND FACTOR	CODE MIN. (VA)
LIGHTS	4,520	1.25	5,650
RECEPTACLES	13,140	10KVA + 50% REST	11,570
MOTORS	7,910	1.25 x LARGEST + SUM OF REST	8,833
AIR CONDITIONING	84,367	0.00	0
SPACE HEATING	96,880	1.00	96,880
HEAT PUMP	0	1.00	0
CONTINUOUS	0	1.25	0
NON-CONTINUOUS	83,700	1.00	83,700
MISC. LOADS 1	0	1.00	0
TOTAL CONNECTED LOAD (VA):	326,747	SIZING LOAD (VA):	230,182
TOTAL CONNECTED LOAD (AMPS):	907.0	SIZING LOAD (AMPS):	638.9
	-	•	

REMARKS:

1. EATON POW-R-LINE 4X PANELBOARD OR EQUAL.

2. SINGLE SECTION, 44" WIDE PANELBOARD.
3. FURNISH PANELBOARD WITH EXTERNAL SPD.

<u></u>														
SINGLE-SEC	TIO	N P	ANE	ELB	OAI	RI	)	SCH	*		E E	~		<b>~</b>
PANEL DESIGNATION:								MAII	N LUG	AMPS: 400 SCCR RATING (AIC): 22,000				22,000
						1	#	MA	IN BRE					
MOUNTING:							0			TAGE:				
LOCATION:	LOCATION: CORRIDOR					] }	אַ			/WIRE: 3Ø, 4W				
DESCRIPTION		PHASE			/B	- 1	)		/B		PHASE		DESCRIP	TION
	Α	В	С	TRIP	POLE			POLE	TRIP	Α	В	С		
ELECTRIC HEATER	1730			20	2	1	2	2	20	1730			ELEC	TRIC HEATER
-		1730		-	-	3	4	-	-		1730			-
ELECTRIC HEATER			1730	20	2	5	6	2	20			1730	ELEC	TRIC HEATER
-	1730			-	-	7	8	-	-	1730				-
ELECTRIC HEATER		1730		20	2	9	10	2	20		1730		ELEC	TRIC HEATER
-			1730	-	-	11	12	ı	-			1730		-
ELECTRIC HEATER	1730			20	2	13	14	2	20	1730			ELEC	TRIC HEATER
-		1730		-	-	15	16	-	-		1730			-
ELECTRIC HEATER			1730	20	2	17	18	2	20			1730	ELEC	TRIC HEATER
-	1730			-	-	_	20	-	-	1730				-
ELECTRIC HEATER		1730		20	2	21	22	2	20		1730		ELEC	TRIC HEATER
-			1730	-	-	23	24	•	-			1730		-
ELECTRIC HEATER	1730			20	2	25	26	2	20	1730			ELEC	TRIC HEATER
-		1730		-	-	27	28	•	-		1730			-
ELECTRIC HEATER			1730	20	2	29	30	2	20			1730	ELEC	TRIC HEATER
-	1730			-	-	31	32	-	-	1730				-
ELECTRIC HEATER		1730		20	2	33	34	2	20		1730		ELEC	TRIC HEATER
-			1730	-	-	35	36	-	-			1730		-
ELECTRIC HEATER	1730			20	2	37	38	2	20	1730			ELEC	TRIC HEATER
-		1730		-	-	39	40	•	-		1730			-
ELECTRIC HEATER			1730	20	2	41	42	2	20			1730	ELEC	TRIC HEATER
-	1730			-	-	43	44	-	-	1730				-
ELECTRIC HEATER		1730		20	2	45	46	2	20		1730		ELEC	TRIC HEATER
-			1730	-	-	47	48	-	-			1730		-
ELECTRIC HEATER	1730			20	2	49	50	2	20	1730			ELEC	TRIC HEATER
-		1730		-	-	51	52	-	-		1730			-
ELECTRIC HEATER			1730	20	2	53	54	2	20			1730	ELEC	TRIC HEATER
-	1730			-	-	55	56	-	-	1730				-
SPACE		-		-	1	57	58	1	-		-			SPACE
SPACE			-	-	1	59	60	1	-			-		SPACE
TOTALS	17300	15570	15570							17300	15570	15570	TOTALS	
	•			•										
P.	ANELB	OARD	SIZING	LOAD	)							CON	NECTED PHASE LO	OADS
LOAD DESCRIPTION	CONN	ECTED	[	DEMAN	D	C	COD	E MIN.	(VA)	1	PH	ASE	VA	AMPS
LIGHTS		0		1.25				0		1		A	34,600	288.1
RECEPTACLES		0	10KVA + 50% REST					0		1	J	В	31,140	259.3
MOTORS		0	x LARGEST + SUM OF RE.		4		0			(	С	31,140	259.3	
AIR CONDITIONING		0		0.00				0			TOT	ALS	96,880	268.9
SPACE HEATING	96,	880		1.00				96,880			•			
HEAT PUMP		0		1.00		T		0			REMAR	KS:		
CONTINUOUS		0		1.25				0					-LINE 2X OR EQUAL	
NON-CONTINUOUS		0		1.00				0						
MISC. LOADS 1		0		1.00				0						
	1		S	IZING	LOAD:			96,880						
SIZING LOAD (AMPS):					+		260		1					

SIZING LOAD (AMPS): 269

PANEL DESIGNATION	ON: <b>P1</b>					7	#			AMPS: AKER:		SCC	CR RATING (AIC):	35,000
MOUNTING: SURFACE						† ≒ VOL-				TAGE:	208/120			
LOCATION: MECH 104						3	2	F	PHASE	/WIRE: 3Ø, 4W				
		PHASE	C/B			CIRCUIT		C/B			PHASE			
DESCRIPTION	A	В	С	TRIP	POLE			POLE	TRIP	Α	В	С	DESCRIF	PTION
REC-KITCHEN -GFI	1080			20	1	1	2	1	20	1200			WALK-II	I COOLER-GFI
PORTABLE OIL FILTER-GFI		1800		20	1	3	4	2	25		2360		COOLER	CONDENSER
BAG-IN-BOX SYSTEM-GFI			1800	20	1	5	6	-	-			2360		-
S/S WORK TABLE-GFI	1800		3.4.7.3	20	1	7	8	1	20	1800		14.136 50%		COOLER COIL
S/S WORK TABLE-GFI		1800		20	1	9	10	1	20		1200			FREEZER-GF
PLANTARY MIXER-GFI			1800	20	1	11	12	2	25			2480	FREEZER	CONDENSER
FOOD SLICER-GFI	580			20	1	13		-	-	2480				
FOOD PROCESSOR-GFI		1440		20	1	15		2	20		1800		F	REEZER COIL
ICE MAKER-GFI		7111	1450	20	2	17	18	-	-			1800		
•	1450			-	-	19		2	20	1800			DRAIN LIN	E HEATER-GF
MEGA TOP PREP REF-GFI		700		20	1	21	22	-	-		1800			
HEAT LAMP-GFI			2200	25	1		24	1	20			1200	BEEF	R COOLER-GF
REC-KITCHEN -GFI	540			20	1	25		2	20	1940			BEER COOLER	
REFRIGERATED WORKTOP-GF		300		20	1	27	28	-	-		1940		2227,000227	
PANINI GRILL-GFI		-	1600	20	2	29		1	20			1800	BFFR	COOLER COIL
-	1600		1000	-	-	31	32	1	20	1440		1000		GAS OVEN-GF
REFRIGERATED WORKTOP-GF		240		20	1	33		1	-		-			SHUNT TRIF
HEAT LAMP-GFI			2800	30	1	35		1	20			720	REFRIGERATED EQU	
FOOD WARMER-GFI	1000		2000	20	1	37	38	1	-	-		. 20	NEI MOEM TEE	SHUNT TRIE
REC-KITCHEN -GFI	7000	540		20	1	-	40	1	20		1800		FX	CHAUST HOOE
HEAT LAMP-GFI			2800	25	1	41	42	1	20			1800		(HAUST HOOL
REC-KITCHEN -GFI	360		2000	20	1	_	44	1	20	720		1000	UNDERCOUNTER	
PREP REFRIGERATOR-GFI		700		20	1	-	46	1	20	720	300		UNDERCOUNTE	
HOOT FOOD SERVING-GFI		700	2260	25	2		48	1	20			290	10. 00.00 00 10.00 00.00 10.00 10.00	ISPENSER-GF
-	2260		2200	-		_	50	1	-	-		200	OODA DI	SPACE
PREP REFRIGERATOR-GFI	2200	720		20	1			1	-	5,5	_			SPACE
REFRIGERATED WORKTOP-GF	1	120	300	20	1		54	1	-			-		SPACE
INDUCTION RANGE-GFI	1800		000	20	2	-	56	1	-	_				SPACE
	1000	1800			-	-	-	1	-		-			SPACE
SPARE-GFI		,,,,,		١.	1		60	1	-			-		SPACE
TOTA	LS 12470	10040	17010	1007	,	00	JU	,		11380	11200	12450	TOTALS	OI AUL
TOTA	LO 12410	10040	11010	J						11000	11200	12700	TOTALO	
	PANELB	OARD	SIZING		)							CONN	NECTED PHASE L	OADS
LOAD DESCRIPTION		ECTED	The second of the second of the second	DEMAN			COD	E MIN.	(VA)		PH	ASE	VA	AMPS
LIGHTS		0		1.25				0	( )			A	23,850	198.6
RECEPTACLES		520	10KV		RFST			2,520				3	21,240	176.9
REGEL TAGEES	2,		1011	10KVA + 50% REST			2,520					•	21,270	170.0

MOTORS

AIR CONDITIONING

NON-CONTINUOUS
MISC. LOADS 1

SPACE HEATING
HEAT PUMP

CONTINUOUS

0

35,800

0

		A CONTRACTOR OF THE CONTRACTOR					L					
			_									
OARD:	SIZING LOAD		1	CONN	IECTED PHASE LO	OADS	PANELBOARD SIZING LOAD					
CTED	DEMAND	CODE MIN. (VA)	]	PHASE	VA	AMPS	LOAD DESCRIPTION	CONNECTED	DEMAND	CODE MIN. (VA)		
)	1.25	0	1	Α	23,850	198.6	LIGHTS	4,520	1.25	5,650		
20	10KVA + 50% REST	2,520	1	В	21,240	176.9	RECEPTACLES	10,620	10KVA + 50% REST	10,310		
)	XLARGEST + SUM OF RES	0	1	С	29,460	245.3	MOTORS	7,910	XLARGEST + SUM OF RES	8,833		
)	1.00	0	1	TOTALS	74,550	206.9	AIR CONDITIONING	0	1.00	0		
	0.00	0	1				SPACE HEATING	0	0.00	0		
).	1.00	0	1	REMARKS:			HEAT PUMP	0	1.00	0		
	1.25	0	1	1. EATON POW-R-	LINE 2X OR EQUAL.		CONTINUOUS	0	1.25	0		
300	1.00	35,800	1				NON-CONTINUOUS	7,800	1.00	7,800		
)	1.00	0	]				MISC. LOADS 1	0	1.00	0		
	SIZING LOAD:	61,870	]						SIZING LOAD:	32,593		
SIZ	ING LOAD (AMPS):	172	]					SIZ	ING LOAD (AMPS):	90		

DANEL DESIGNATION.	DO							MAIN LUG AMPS: 225 SCCR I					CR RATING (AIC): 35,000	
PANEL DESIGNATION:	<b>PZ</b>					#	#	MAIN BREAKER: M.L.O.						
MOUNTING:	SURFAC	CE					5		VOL					
LOCATION: MECH 104						Ω	<b>Y</b>	PHASE/WIRE: 3Ø, 4W			3Ø, 4W			
DESCRIPTION	J.	PHASE	E C/B			(	5	C/B		PHASE			DESCRIPTION	
DESCRIPTION	Α	В	С	TRIP	POLE			POLE	TRIP	Α	В	С		
REC-RESTAURANT	720			20	1	1	2	1	20	1000			LIGHT UP SI	
REC-RESTAURANT		540		20	1	3	4	1	20		1000		LIGHT UP SI	
REC-RESTAURANT			540	20	1	5	6	1	20			1000	LIGHT UP SI	
REC-RESTAURANT	540			20	1	7	8	1	20	1150			LIGHTING-KITCHEN/OFFI	
REC-RESTAURANT		540		20	1	9	10	1	20		750		LIGHTING-HOST/	
REC-HOST			540	20	1	11	12	1	20			540	LIGHTING-RESTAURA	
REC-OFFICE	720			20	1	13	14	1	20	1160			LIGHTING-B	
REC-RESTROOMS		540		20	1	15	16	1	20		320		LIGHTING-PAT	
REC-CLOSET			720	20	1	17	18	1	20			1500	PATIO CEILING FA	
REC-BAR - GFI	900			20	1	19	20	1	20	1800			BULK CO2 TA	
REC-BAR - GFI		720		20	1	21	22	1	15		700		E	
REC-BAR - GFI			1080	20	1	23	24	1	15			520	DE	
UNDERCOUNTER DISHWASHER-GFI	1800			20	1	25	26	3	20	1000			KE	
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			KE	
WATER HEATER-2		200		20	1	33		-	-		1230		0.00.0	
WATER HEATER-3			200	20	1	35		-	-			1230		
WATER HEATER-4	200			20	1	_	38	1	20	600			LIGHTING INVERT	
WATER HEATER-5		200		20	1	39		1	20		500		FIRE	
SPARE				20	1	41		1	20			-	SPA	
SPARE	-			20	1	43		1	20	-			SPA	
SPARE		-		20	1	-	46	1	20		-		SPA	
SPARE			-	20	1		48	1	20			-	SPA	
SPARE	-			20	1		50	1	-	-			SPA	
SPARE		-		20	1		52	1	-		-		SPA	
SPARE			1-	20	1	_	54	1	-			-	SPA	
SPACE				-	1	_	56	1	-	-			SPA	
SPACE				-	1		58	1	-		-		SPA	
SPACE				-	1		60	1	-			-	SPA	
TOTALS	5080	3100	3440		•		00	•		7940	5500	5790	TOTALS	

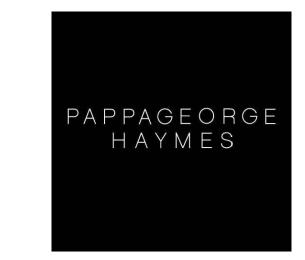
CONNECTED PHASE LOADS									
PHASE	VA	AMPS							
Α	13,020	108.4							
В	8,600	71.6							
С	9,230	76.9							
TOTALS	30,850	85.6							

REMARK

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

640 N Lasalle 312 337 3344 Architecture
Suite 400 Urban Planning
Chicago Illinois 60654

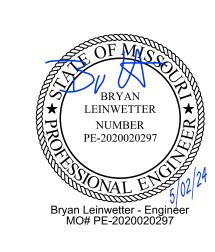
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## 30hop SOWP

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

		date	description
		05.02.24	Issue For Permit
Z.	3	07.02.24	Permit Revision
L			
L			
L			
L			

orientation232882scaleAs Noteddate7/02/2024

sheet title Panelboard Schedules

sheet number

E302