

PANELBOARD: L1

LOCATION:
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

NEW

VOLTS: 208/120V-3PH,4W
PHASES: 3
WIRES: 4

A.I.C. RATING: FULLY (7)
MAINS TYPE: M.L.O.
MAINS RATING: 100 A
REQUIREMENTS: GROUND BAR

NOTES:

CKT	Circuit Description	Trip	Poles	Wire	A (kVA)	B (kVA)	C (kVA)	Wire	Poles	Trip	Circuit Description	CKT	
1	RECEPTS STAFF WORK	20	1	12	0.90	1.92		12	1	20	IT EQUIPMENT	2	
3	RECEPTS STAFF WORK	20	1	12		0.72	1.92		12	1	IT EQUIPMENT	4	
5	RECEPTS OFFICE	20	1	12			0.54	0.90	12	1	20 RECEPTS LOCKERS/JAN/R	6	
7	RECEPTS OFFICE	20	1	12	0.90	0.66			12	1	20 LIGHTS	8	
9	RECEPTS CONFERENCE	20	1	12		0.72	0.60		12	1	20 LIGHTS	10	
11	RECEPTS STORAGE	20	1	12			0.54	0.92	12	1	20 LIGHTS	12	
13	RECEPTS OFFICE	20	1	12	0.54	0.44			12	1	20 LIGHTS	14	
15	RECEPTS LOBBY	20	1	12		0.36	0.39		12	1	20 LIGHTS	16	
17	REFRIGERATOR (4)	20	1	12			1.00	0.50	10	1	20 GENERATOR BATTERY CHARGER (6)	18	
19	DISHWASHER (4)	20	1	12	1.00	0.50			10	1	20 GENERATOR HEATER (6)	20	
21	RECEPTS BREAKROOM COUNTER	20	1	12		0.54	0.18		12	1	20 EXTERIOR BUILDING LIGHTING (10)	22	
23	GARAGE DISPOSAL (4)	20	1	12			0.50	--	--	1	--	SPACE	24
25	HOOD	20	1	12	0.50	--			--	1	--	SPACE	26
27	COOKTOP	50	2	8		4.16	--		--	1	--	SPACE	28
29		--	--	--			4.16	--	--	1	--	SPACE	30
31	RECEPTS BREAKROOM COUNTER	20	1	12	0.18	--			--	1	--	SPACE	32
33	RECEPTS BREAKROOM	20	1	12		0.54	--		--	1	--	SPACE	34
35	DRINKING FOUNTAIN (4)	20	1	12			0.50	--	--	1	--	SPACE	36
37	RECEPTS RR	20	1	12	0.36	--			--	1	--	SPACE	38
39	COPPER	20	1	12		0.18	--		--	1	--	SPACE	40
41	SPACE	--	1	--			--	--	--	1	--	SPACE	42

		Total Load: 7898 VA	10309 VA	9564 VA	
		Total Amps: 66 A	88 A	82 A	
Load Classification	Connected Load	Demand Factor	Demanded Load	Panel Totals	
LIGHTS	3191 VA	125.00%	3889 VA		
NON-CONTINUOUS	16660 VA	100.00%	16660 VA	Total Conn. Load:	27771 VA
Other	180 VA	100.00%	180 VA	Total Feeder Load:	28569 VA
RECEPTS	7740 VA	100.00%	7740 VA	Total Connected Current:	77 A
				Total Feeder Current:	79 A

PANELBOARD: LM

LOCATION:
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

NEW

VOLTS: 208/120V-3PH,4W
PHASES: 3
WIRES: 4

A.I.C. RATING: FULLY (7)
MAINS TYPE: M.L.O.
MAINS RATING: 200 A
REQUIREMENTS: GROUND BAR

NOTES:

CKT	Circuit Description	Trip	Poles	Wire	A (kVA)	B (kVA)	C (kVA)	Wire	Poles	Trip	Circuit Description	CKT		
1	CJ-1	20	2	12	1.46	1.21		12	1	15	FU-2	2		
3		--	--	--		1.46	0.92			12	1	15	FU-1	4
5	SPACE	--	1	--	--			--	1.21	12	1	15	FU-3	6
7	CJ-2	30	3	10	2.16	1.21				12	1	15	FU-4	8
9		--	--	--	--	2.16	0.27			12	2	15	EF-5	10
11		--	--	--	--			2.16	0.27	--	--	--	--	12
13	CJ-3	30	3	10	2.16	0.83				#10	1	20	SITE LIGHTING (6,10)	14
15		--	--	--	--	2.16	1.00			#10	1	20	GATE CONTROLS (2,6)	16
17		--	--	--	--			2.16	0.50	12	1	20	GV-1	18
19	CJ-4	30	3	10	2.16	--				--	1	--	SPACE	20
21		--	--	--	--	2.16	--			--	1	--	SPACE	22
23		--	--	--	--			2.16	--	--	1	--	SPACE	24
25	HVLS-1 (12)	20	3	12	0.84	--				--	1	--	SPACE	26
27		--	--	--	--	0.84	--			--	1	--	SPACE	28
29		--	--	--	--			0.84	--	--	1	--	SPACE	30
31	SHUNT TRIP SPACE FOR HVLS-1	--	1	--	--	--	--	--	--	--	1	--	SPACE	32
33	WATER HEATER	25	2	10		2.50	--			--	1	--	SPACE	34
35		--	--	--	--			2.50	--	--	1	--	SPACE	36
37	CIRCULATION PUMP	20	1	12	0.18	--				--	1	--	SPACE	38
39	SPACE	--	--	--	--	--	--	--	--	--	1	--	SPACE	40
41	SPACE	--	1	--	--	--	--	--	--	--	1	--	SPACE	42

		Total Load: 12138 VA	13476 VA	11808 VA	
		Total Amps: 102 A	113 A	98 A	
Load Classification	Connected Load	Demand Factor	Demanded Load	Panel Totals	
HVAC	32468 VA	100.00%	32468 VA		
LIGHTS	630 VA	125.00%	1038 VA	Total Conn. Load:	37419 VA
MOTORS	1000 VA	125.00%	1250 VA	Total Feeder Load:	37859 VA
NON-CONTINUOUS	3022 VA	100.00%	3022 VA	Total Connected Current:	104 A
RECEPTS	180 VA	100.00%	180 VA	Total Feeder Current:	105 A

PANELBOARD: L2

LOCATION:
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

NEW

VOLTS: 208/120V-3PH,4W
PHASES: 3
WIRES: 4

A.I.C. RATING: FULLY (7)
MAINS TYPE: M.L.O.
MAINS RATING: 400 A
REQUIREMENTS: GROUND BAR

NOTES:

CKT	Circuit Description	Trp	Poles	Wire	A	B	C	Wire	Poles	Trp	Circuit Description	CKT	
1	WASHER/DRYER	30	2	10	2.50	1.92		12	1	20	120V 20A SHOP RECEPT	2	
3		--	--	--		2.50	1.92	12	1	20	120V 20A SHOP RECEPT	4	
5	TABLE SAW	15	2	12			1.35	1.92	12	1	20	120V 20A SHOP RECEPT	6
7		--	--	--	1.35	1.92		12	1	20	120V 20A SHOP RECEPT	8	
9	208V 20A RECEPT	20	2	12		1.66	1.92	12	1	20	120V 20A SHOP RECEPT	10	
11		--	--	--			1.66	1.92	12	1	20	120V 20A SHOP RECEPT	12
13	DUST COLLECTOR	30	2	10	1.56	1.92		12	1	20	120V 20A SHOP RECEPT	14	
15		--	--	--		1.56	1.92	12	1	20	120V 20A SHOP RECEPT	16	
17	AIR COMPRESSOR	40	3	8			3.04	1.92	12	1	20	120V 20A SHOP RECEPT	18
19		--	--	--	3.04	0.72		12	1	20	STORAGE RECEPTS	20	
21		--	--	--		3.04	0.72	12	1	20	STORAGE RECEPTS	22	
23	WELDER	50	2	8			4.16	0.54	12	1	20	STORAGE RECEPTS	24
25		--	--	--	4.16	0.39		12	1	20	LIGHTS RP2/MECH/ELEC/DC/AC	26	
27	AIR DRYER	20	1	12		0.27	0.85	12	1	20	LIGHTS SHOP	28	
29	RECEPTS	20	1	12			0.36	0.84	12	1	20	LIGHTS SHOP	30
31	120V 20A SHOP RECEPT	20	1	12	1.92	0.84		12	1	20	LIGHTS SHOP	32	
33	120V 20A SHOP RECEPT	20	1	12		1.92	0.84	12	1	20	LIGHTS STORAGE	34	
35	120V 20A SHOP RECEPT	20	1	12			1.92	0.84	12	1	20	LIGHTS STORAGE	36
37	120V 20A SHOP RECEPT	20	1	12	1.92	0.84		12	1	20	LIGHTS STORAGE	38	
39	120V 20A SHOP RECEPT	20	1	12		1.92	0.84	12	1	20	LIGHTS STORAGE	40	
41	120V 20A SHOP RECEPT	20	1	12			1.92	0.50	12	1	20	FACTP (3)	42
43	120V 20A SHOP RECEPT	20	1	12	1.92	1.00		12	1	20	GARAGE DOOR (2)	44	
45	120V 20A SHOP RECEPT	20	1	12		1.92	1.00	10	1	20	GARAGE DOOR (2.6)	46	
47	120V 20A SHOP RECEPT	20	1	12			1.92	1.00	10	1	20	GARAGE DOOR (2.6)	48
49	120V 20A SHOP RECEPT	20	1	12	1.92	--		--	--	1	--	SPACE	50
51	120V 20A SHOP RECEPT	20	1	12		1.92	--	--	--	1	--	SPACE	52
53	120V 20A SHOP RECEPT	20	1	12			1.92	--	--	1	--	SPACE	54
55	120V 20A SHOP RECEPT	20	1	12	1.92	--		--	--	1	--	SPACE	56
57	120V 20A SHOP RECEPT	20	1	12		1.92	--	--	--	1	--	SPACE	58
59	120V 20A SHOP RECEPT	20	1	12			1.92	--	--	1	--	SPACE	60

		Total Load: 31760 VA	28646 VA	29654 VA	
		Total Amps: 266 A	239 A	248 A	
Load Classification	Connected Load	Demand Factor	Demanded Load	Panel Totals	
LIGHTS	6292 VA	125.00%	7865 VA		
NON-CONTINUOUS	73109 VA	100.00%	73109 VA	Total Conn. Load:	90061 VA
RECEPTS	2340 VA	100.00%	2340 VA	Total Feeder Load:	91634 VA
WELD	8320 VA	100.00%	8320 VA	Total Connected Current:	250 A
				Total Feeder Current:	254 A

PANELBOARD NOTES (#)

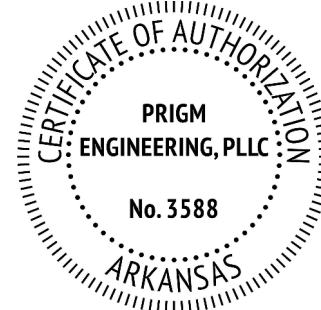
NOTE IS IN CIRCUIT DESCRIPTION IN PARENTHESIS

- | | |
|-----|---|
| 2. | TERMINATE GROUND ON ISOLATED GROUND BUS. |
| 3. | INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-OFF FOR MAINTENANCE). |
| 3. | INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOAD). |
| 4. | GFI BREAKER FOR PERSONNEL PROTECTION (5 mA). |
| 5. | GFI BREAKER FOR EQUIPMENT PROTECTION (30 mA). |
| 6. | CONDUCTOR SIZE SHOWN IN PANEL SCHEDULE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT CABLES AND CONDUCTOR PROPORTIONALLY PER NEC. REFERENCE GROUND WIRE SIZING CHART. |
| 7. | REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS. |
| 8. | REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES. |
| 9. | FACTORY WIRED TO LOAD. |
| 10. | THRU CONTACTOR FOR TIMED CONTROL. |
| 11. | LOAD IS EXISTING TO REMAIN. |
| 12. | SHUNT TRIP BREAKER |
| 13. | EXISTING LOAD IS RELOCATED TO NEW PANEL |
| (E) | EXISTING TO REMAIN |
| (N) | NEW CIRCUIT |

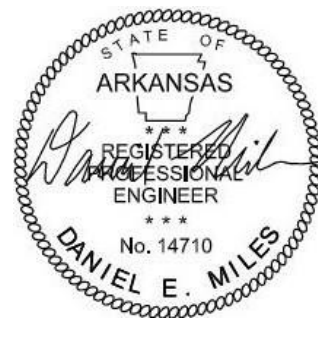


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05/08/2026



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ELECTRICAL SCHEDULES

E3.1

BID SET
25078

05/08/2026