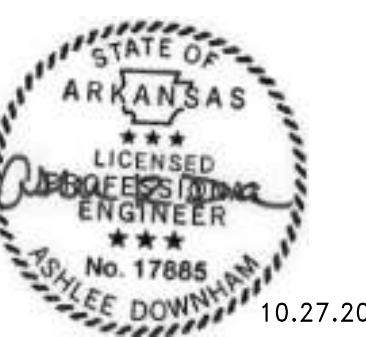


PANEL MLB															
MOUNTING: SURFACE ENCLOSURE: NEMA 1 FED FROM: 100 A/3P @ MDP LOCATION: BASEMENT RM. B01					SOLID NEUTRAL GROUND BUS					MAIN: 100 A MLO VOLTS: 120/208 Wye PHASE: 3 WIRE: 4 SCCR: 18 kA ISC: 12.32 kA					
NOTES:															
KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE	A	B	C	WIRE SIZE	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY		
	1	REC: RMS B01, B08, B14, B15, B19	20 A	1	12 12 12	0.9	0.2		12 12 12	1	20 A	LTS: OVERALL STAIR 1	2		
	3	REC: RMS B02, B11, B17, B20, EXTERIOR	20 A	1	12 12 12		0.72	0.2	12 12 12	1	20 A	LTS: OVERALL STAIR 2	4		
	5	LTS: BASEMENT LTG	20 A	1	10 10 10			0.77	0.31	12 12 12	1	20 A	LTS: BASEMENT CORRIDOR LTG	6	
	7	REC: IT EQUIP	20 A	1	12 12 12	0.36	0.67			12 12 12	1	20 A	FCU-B-3M: POOL VESTIBULE B20	8	
	9	FCU-B-1M: BASEMENT RM B01	20 A	1	12 12 12		0.67	0.67		12 12 12	1	20 A	FCU-B-4M: MALE ATT. B16	10	
	11	FCU-B-2M: FEMALE ATT. B05	20 A	1	12 12 12			0.67	0.67	12 12 12	1	20 A	FCU-B-5M: BOILER RM B08	12	
	13	SP-2M: BASEMENT RM B01	20 A	3	12 12 12	1.27	0.2			12 12 12	1	20 A	SP-1M: STORAGE B07	14	
--	15	--	--	--	--		1.27	0.5		12 12 12	1	20 A	ELEV CAB LTS & RECEP: ELEV PIT B12	16	
--	17	--	--	--	--			1.27	1	12 12 12	1	20 A	EX. SP PUMP CONTROL: BOILER RM B08	18	
--	19	EX. EF-1: BASEMENT RM B01	20 A	1	12 12 12	0.7	0.67			12 12 12	1	20 A	EX. FCU: ELEV MACHINE B22	20	
--	21	SPARE	20 A	1	--		0	0		--	--	1	20 A	SPARE	22
--	23	SPARE	20 A	1	--			0	0	--	--	1	20 A	SPARE	24
--	25	SPARE	20 A	1	--	0	0			--	--	1	20 A	SPARE	26
--	27	SPARE	20 A	1	--		0	0		--	--	1	20 A	SPARE	28
--	29	SPARE	20 A	1	--			0	0	--	--	1	20 A	SPARE	30
--	31	SPACE	--	1	--					--	--	1	--	SPACE	32
--	33	SPACE	--	1	--					--	--	1	--	SPACE	34
--	35	SPACE	--	1	--					--	--	1	--	SPACE	36
--	37	SPACE	--	1	--					--	--	1	--	SPACE	38
--	39	SPACE	--	1	--					--	--	1	--	SPACE	40
--	41	SPACE	--	1	--					--	--	1	--	SPACE	42
			Total Load:			4.97 kVA	4.03 kVA	4.69 kVA							
			Total Amps:			42.24	33.55	39.94							
LOAD SUMMARY															
LOAD CLASSIFICATION			CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	TOTALS*									
Lighting			1.483 kVA	100.00%	1.483 kVA										
Power			10.02 kVA	100.00%	10.02 kVA	TOTAL CONNECTED LOAD: 13.68 kVA									
Receptacles			2.18 kVA	100.00%	2.18 kVA	TOTAL ESTIMATED DEMAND LOAD: 13.683 kVA									
						TOTAL CONNECTED AMPS: 37.98 A									
						TOTAL ESTIMATED DEMAND AMPS: 38 A									
*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.															
CIRCUIT KEY NOTES:															

PANEL ML1															
MOUNTING: SURFACE ENCLOSURE: NEMA 1 FED FROM: 100 A/3P @ MDP LOCATION: BASEMENT RM. B01					SOLID NEUTRAL GROUND BUS					MAIN: 100 A MLO VOLTS: 120/208 Wye PHASE: 3 WIRE: 4 SCCR: 18 kA ISC: 12.32 kA					
NOTES:															
KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE	A	B	C	WIRE SIZE	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY		
	1	REC: RMS 103, 104, 105, EXTERIOR	20 A	1	12 12 12	1.26	0.94		10 10 10	1	20 A	LTS: FIRST FLOOR LTG	2		
	3	REC: RMS 102B, 107, 108, 115	20 A	1	12 12 12		1.44	0.05	12 12 12	1	20 A	LTS: FIRST FLOOR CORRIDOR LTG	4		
	5	REC: RMS 109, 110C, 117	20 A	1	12 12 12			0.9	0.5	12 12 12	1	20 A	VAV BOX POWER SUPPLY: MECH 103	6	
	7	AHU-1M UVC: MECH 103	20 A	1	12 12 12	0.3	0.3			12 12 12	1	20 A	AHU-1M LTS: MECH 103	8	
	9	B1-M: MECH 103	20 A	1	12 12 12		0.3	0.43		12 12 12	3	20 A	RF-1M: MECH 103	10	
	11	B2-M: MECH 103	20 A	1	12 12 12			0.3	0.43	--	--	--	--		
	13	NAC-1: MECH 103	20 A	1	12 12 12	0.2	0.43			--	--	--	--		
	15	SECURITY ALARM PNL: MECH 103	20 A	1	12 12 12		0.2	0.2		12 12 12	1	20 A	RF-1M TCP: MECH 103	16	
	17	EX. ACCU-1M: NORTHEAST YARD	25 A	2	10 10 10			1.11	0.2	12 12 12	1	20 A	AHU-1M TCP: MECH 103	18	
--	19	--	--	--	--	1.11	0.2			12 12 12	1	20 A	FIRE ALARM PNL: CLOAK RM 117	20	
--	21	FCU-1M: MECH 103	20 A	1	12 12 12		1.13	0		--	--	1	20 A	SPARE	22
--	23	SPARE	20 A	1	--			0	0	--	--	1	20 A	SPARE	24
--	25	SPARE	20 A	1	--	0	0			--	--	1	20 A	SPARE	26
--	27	SPARE	20 A	1	--		0	0		--	--	1	20 A	SPARE	28
--	29	SPARE	20 A	1	--			0	0	--	--	1	20 A	SPARE	30
--	31	SPACE	--	1	--	0	0			--	--	1	20 A	SPACE	32
--	33	SPACE	--	1	--			--	--	--	--	1	--	SPACE	34
--	35	SPACE	--	1	--			--	--	--	--	1	--	SPACE	36
--	37	SPACE	--	1	--			--	--	--	--	1	--	SPACE	38
--	39	SPACE	--	1	--			--	--	--	--	1	--	SPACE	40
--	41	SPACE	--	1	--			--	--	--	--	1	--	SPACE	42
			Total Load:			4.75 kVA	3.75 kVA	3.44 kVA							
			Total Amps:			39.96	31.68	28.69							
LOAD SUMMARY															
LOAD CLASSIFICATION			CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	TOTALS*									
Lighting			0.994 kVA	100.00%	0.994 kVA										
Power			7.35 kVA	100.00%	7.35 kVA	TOTAL CONNECTED LOAD: 11.94 kVA									
Receptacles			3.6 kVA	100.00%	3.6 kVA	TOTAL ESTIMATED DEMAND LOAD: 11.944 kVA									
						TOTAL CONNECTED AMPS: 33.15 A									
						TOTAL ESTIMATED DEMAND AMPS: 33.2 A									
*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.															
CIRCUIT KEY NOTES:															

10/27/2023, 1:13:57 PM



10.27.2023

A/E FIRMS PRIME/ARCH: STRATA ARCHITECTURE 1703 OAK STREET, SUITE 100 KANSAS CITY, MO T: 816.474.0900 MEP/ENG: IMEG CORP. 1400 BALTIMORE STREET, SUITE 300 KANSAS CITY, MO T: 816.842.8437	DESIGNED:	SUB SHEET NO. 01 EP6.2	TITLE OF SHEET MAURICE BATHHOUSE ELECTRICAL SCHEDULES		DRAWING NO.
	CADD:		REHABILITATE BATHHOUSES HOT SPRINGS NATIONAL PARK		626 180065
	TECH. REVIEW:				PMIS/PKG NO.
	DATE:		10.27.2023		
					SHEET
					189 OF 286