

PANEL ID:		PNL-M721		AMPS:		225		VOLTS:		120/208V		PHASE:		3 P		WIRE:		4		SURF. MOUNT		☐		TOP FED		☐	
DESCRIPTION:		120/208V DISTRIBUTION PANELBOARD (WAS PNL-A)										LOCATION:		MAIN FLOOR													
MFG / MODEL:		EATON P1RL										INTERRUPTING RATING:		10 KA													
MAIN BREAKER:		NONE										INST. SETTINGS:		N/A													
CCT.	DESCRIPTION					NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	A	B	C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION					CCT.					
1	LIGHTING, UPPER PUMP ROOM							15					15				SPARE	2A					2A				
3	LIGHTING, UPPER PUMP ROOM							15					20				SPARE	2B					2B				
5	LIGHTING, UPPER PUMP ROOM							15					15				EF-M685 (WAS FAN13)	4					4				
7	LIGHTING, ELECTRICAL AND CONTROL ROOM							15					15				SPARE	6B					6B				
9	LIGHTING, UPPER PUMP ROOM							15					15				CONTROL ROOM WATER COOLER, PLUGS	8A					8A				
11	LIGHTING, SERVICE AREA, WASHROOM					LKON		15					15				SPARE	8B					8B				
13	LIGHTING, CHLORINE ROOM					LKON		15					15				COOLING TOWER CHEMICAL PUMP, RECEP.TS.	10					10				
15	LIGHTING, CHLORINE STORAGE					LKON		15					15				JOHNSON CONTROL RECEPTACLES MAIN LEVEL	12A					12A				
17	LIGHTING, CHLORINE WEIGHT SCALE					LKON		15					15				SPARE	12B					12B				
19	LIGHTING, CHLORINE STORAGE							15					15				RECEPTACLES, PUMP LEVEL	14					14				
21	LIGHTING, MEZZANINE LEVEL							15					15				RECEPTACLES, MAIN LEVEL	16A					16A				
23	LIGHTING, CHLORINE STORAGE WEST W.							15					15				SPARE	16B					16B				
25	LIGHTING, MEZZANINE LEVEL							15					15				RECEPTACLES, DISCHARGE HEADER AREA	18A					18A				
27	LIGHTING, AMMONIA ROOM							15					15				SPARE	18B					18B				
29	LIGHTING, PUMP LEVEL, GEN. RM., BOT. WEST							15					15				RECEPTACLES, PARKING LOT	20A					20A				
31	LIGHTING, PUMP LEVEL, MEZZANINE LEVEL					LKON		15					15				SPARE	20B					20B				
33	LIGHTING, PUMP LEVEL S. VALVE PIT, OIL ROOM							15					15				RECEPTACLES, PARKING LOT	22A					22A				
35	JOHNSON CONTROL PANEL					LKON		15					15				SPARE	22B					22B				
37	LIGHTS, PUMP LEVEL, WATER-TIGHT CHAMBER, VALVE PIT							15					30				HCC-M667 (WAS HCP6)	24					24				
39A	EF-M685 & EF-M694 (WAS FAN 5 & FAN 14)							15					1500	15			WASHROOM HEATER	26					26				
39B	HOT WATER TANK							20	1750				20			20		HPS LIGHTS, OUTSIDE WEST-WALL, QTY 4	28					28			
41A								20	1750				3000	40			HCC-M668 (WAS HCP7)	30					30				
41B	P-M026 BLOCK HEATER							15					3000	40			VESTIBULE HEATERS	32					32				
TOTAL CONNECTED LOAD:														KVA PHASE A: KVA PHASE B: KVA PHASE C: KVA													
														NOTE LEGEND: AFCL ARC FAULT CIRCUIT INTERRUPTOR GFCL GROUND FAULT CIRCUIT INTERRUPTOR LKON LOCKED ON BREAKER LKOR RED LOCKED ON BREAKER													
NOTES:																											

PANEL ID: PNL-M733E		AMPS: 90		VOLTS: 120/208V		PHASE: 3 P		WIRE: 4		SURF. MOUNT ☐		TOP FED ☐		
										FLUSH MOUNT ☒		BOT. FED ☒		
DESCRIPTION: 120/208V DISTRIBUTION PANELBOARD (WAS PNL-B)						LOCATION: MAIN FLOOR								
MFG / MODEL: EATON P1RL						INTERRUPTING RATING: 10 KA								
MAIN BREAKER: NONE						INST. SETTINGS: N/A								
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	A	B	C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.
1A	LIGHTING, UPPER PUMP ROOM			15						15			AMMONIA WEIGH SCALE	2
1B	SPARE			15										
3A	ELECTRICAL ROOM, LOBBY, EXT. N & W			15						15			LKON LIGHTING, SOUTH STAIRWELL	4
3B	SPARE			15										
5A	LIGHTING, UPPER PUMP ROOM			15						15			LKON CHLORINE EMERGENCY ISOLATION SYSTEM	6
5B	SPARE			15										
7	CL2 EQUIP & SCALE ROOM, EXT. SOUTH (O/H DOOR)	LKON		15						15			LKON LIGHTING, NORTH STAIRWELL	8
9	LIGHTING AMMONIA ROOM. INCL. EXT. DOOR	LKON		15						15			P-M026 RECEPTACLE AND OIL PUMP	10
11	LIGHTING, CHLORINE STORAGE			15						15			LKON TELEPHONE HORN	12
13	LIGHTING, MEZZANINE LEVEL			15						15			LKON P-M022 RECEPTACLE AND OIL PUMP	14
15	GAS ANALYZER	LKON		15						15			JOHNSON CONTROLS HVAC CONTROLLERS	16
17	LIGHTING, PUMP LEVEL WEST			15						15			RECEPTACLE FOR GENERATOR SERVICE	18
19	RECEPTACLE BESIDE CHLORINE WEIGHT SCALE FOR REGULATOR HEATERS	LKON		15						15			SPARE	20A
										15			SPARE	20B
21	SUPPLY TO 2 CHLORINATORS			15						15			AFTER COOLER	22
23	SF-C630 CHLORINATOR ROOM SUPPLY FAN		12	15	800					15			UNKNOWN	24
25	EF-C642 CHLORINATOR ROOM EXHAUST FAN		12	15	700					15	12		EMERGENCY SHOWER FLOW SWITCH U-C532	26
27	AMMONIATORS (DISC.)			15					700	15	12		EF-C641 TONNER STORAGE EXHAUST FAN	28
29	AFTER COOLERS			15						15	12		HVAC CONTROL PANEL CP-M826	30
TOTAL CONNECTED LOAD: KVA						PHASE A: KVA			A			NOTE LEGEND:		
						PHASE B: KVA			A			AFCL ARC FAULT CIRCUIT INTERRUPTOR		
						PHASE C: KVA			A			GFCL GROUND FAULT CIRCUIT INTERRUPTOR		
												LKON LOCKED ON BREAKER		
												LKOR RED LOCKED ON BREAKER		
NOTES:														

PANEL ID: PNL-M711			AMPS: 225		VOLTS: 120/208V		PHASE: 3 P		WIRE: 4		SURF. MOUNT ☒ FLUSH MOUNT ☐		TOP FED ☐ BOT. FED ☒	
DESCRIPTION: 120/208V DISTRIBUTION PANELBOARD							LOCATION: MEZZANINE LEVEL -- SOUTH							
MFG / MODEL: SQUARE D							INTERRUPTING RATING: 10 KA							
MAIN BREAKER: 100A							INST. SETTINGS: N/A							
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	A	B	C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.
1	LCP-M608 HEATING CONTROL PANEL		12	15	30					15			SPARE	2
3	AHU-C601 CONTROL CIRCUIT		12	15						15			SPARE	4
5	SPARE			15						15			SPARE	6
7	SPARE			15						15			SPARE	8
9	SPARE			15						15			SPARE	10
11	SPARE			15						15			SPARE	12
13	SPARE			15						15			SPARE	14
15	SPARE			15						15			SPARE	16
17	SPARE			15						15			SPARE	18
19	SPARE			15						15			SPARE	20
21	SPARE			15						15			SPARE	22
23	SPARE			15						15			SPARE	24
25	SPARE			15						15			SPARE	26
27	SPARE			15						15			SPARE	28
29	SPARE			15						15			SPARE	30
31	ROOFTOP RECEPTACLE	1	12	20	120								SPACE	32
33					2000								SPACE	34
35	HEATER HTR-C663		12	25	2000								SPACE	36
37	HEATER HTR-C664		12	20	1500								SPACE	38
39	HEATER HTR-C665		12	20	1500								SPACE	40
41	SPARE												SPACE	42
TOTAL CONNECTED LOAD: 0.03 KVA PHASE A: 0.03 KVA 0.25 A PHASE B: 0.00 KVA 0.00 A PHASE C: 0.00 KVA 0.00 A														
NOTE LEGEND: AFCL ARC FAULT CIRCUIT INTERRUPTOR GFCL GROUND FAULT CIRCUIT INTERRUPTOR LKON LOCKED ON BREAKER LKOR RED LOCKED ON BREAKER														
NOTES: 1. PROVIDE CLASS A TYPE GFCI CIRCUIT BREAKER.														

PANEL ID:		PNL-M732U		AMPS:		225		VOLTS:		120/240V		PHASE:		1 P		WIRE:		3		SURF. MOUNT		☒		TOP FED		☐																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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SPECIFIC NOTES:

- PROVIDE POWER TO NEW CHLORINE DETECTOR SYSTEM. REUTILIZE EXISTING BREAKER AND CABLING FROM POWERHOUSE TO CHLORINE BUILDING. DEMOLISH EXISTING CHLORINE DETECTOR SYSTEM AND MODIFY/EXTEND AS NEEDED TO FACILITATE CONNECTION TO NEW CHLORINE DETECTOR SYSTEM.
- REPLACE SPLIT BREAKER ON CIRCUIT 30 WITH 15A 1P BREAKER. PROVIDE BREAKER COMPATIBLE WITH EXISTING PANELBOARD AND SIMILAR INTERRUPTING RATINGS. PROVIDE POWER (CABLING AND CONDUIT) TO NEW HVAC CONTROL PANEL CP-M826.
- PROVIDE POWER (CABLING AND CONDUIT) TO NEW CHLORINE BUILDING HVAC EQUIPMENT.
- PROVIDE POWER TO NEW ROOFTOP RECEPTACLE.