

NOTES:

1. ELECTRICAL CONTRACTOR SHALL DEMO EXISTING PHASE MONITOR PANEL AND NOTE BREAKER AS SPARE IN EXISTING PANEL EP-2.
2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW BREAKERS IN EXISTING PANEL EP-2 FOR NEW CONNECTIONS.
3. ELECTRICAL CONTRACTOR SHALL USE EXISTING SPARE IN EXISTING PANEL PS LP-1 FOR NEW CONNECTION.

LOAD SERVED	WATTS PER PHASE			CKT BRKR.	CKT NO.	NEUTRAL			CKT NO.	CKT BRKR.	WATTS PER PHASE			LOAD SERVED		
	A	B	C			A	B	C			A	B	C			
PERMANGANATE CONTROL PANEL	-	-	-	40	1		A	B	C	2	100	-	-	-	CHEM RM EP-1	
					3					4						
					5					6						
MCP/L1	-			20	7		A	B	C	8	20	-			SPARE	
MCP/2L1		-		20	9					10	20		-		COMBO FINISH TURBIDIMETER	
MCP/1L1			-	20	11					12	20			-	BLOWERS 3&4 EXHAUST FAN	
SPACE	-			-	13		A	B	C	14	15	-			EFFLUENT FM TRANSMITTER	
SPACE		-		-	15					16	15		-		CLARIFIER FLOW CONTROL VALVE	
BAT CHARG. & GARAGE LIGHTS			-	20	17					18	50			-	UV CONTROL PANEL #1	
GARAGE HEATER	-			20	19		A	B	C	20	50	-			UV CONTROL PANEL #2	
SPACE		-		-	21					22				-		
SPACE			-	-	23					24				-		
AIC RATING - AMPS	-	-	-	SUBTOTAL B						SUBTOTAL A			-	-	EXISTING PANEL	
RATING 208/120 V, 3 φ, 4 W, -										SUBTOTAL B			-	-		
MOUNTING SURFACE										GRAND TOT.			-	-		
GROUND BUS	YES ☒												-	-		
MAIN CIRCUIT BREAKER RATING 100_AMPS													-	-		
MAIN BUS RATING 100_AMPS													-	-	EP-2	
										AMPS PER PHASE			-	-		

EXISTING PANEL
EP-2

LOAD SERVED	WATTS PER PHASE		CKT BRKR.	CKT NO.	NEUTRAL		CKT NO.	CKT BRKR.	WATTS PER PHASE		LOAD SERVED					
	A	B			A	B			A	B						
BASEMENT REC	-		20	1		A	B	C	2	20	-	-	UPPER LEVEL REC			
UPPER LEVEL LIGHTS		-	20	3					4	20	UPPER LEVEL LIGHTS					
BASEMENT LIGHTS	-		20	5					6	20	-	-	FAN			
SPARE		-	20	7		A	B	C	8	20		-	PUMP			
PUMP	-		20	9					10	20	-	-	SPARE			
SPACE		-	-	11					12	-	-	SPACE				
AIC RATING - AMPS	-	-	SUBTOTAL B						SUBTOTAL A			-	-			
RATING 120/240 V, 1 φ, 3 W, -									SUBTOTAL B			-	-			
MOUNTING SURFACE									GRAND TOT.			-	-			
GROUND BUS	YES ☒	NO ☐										-	-			
MAIN CIRCUIT BREAKER RATING - AMPS												-	-			
MAIN BUS RATING 100_AMPS												-	-			
										AMPS PER PHASE			-	-		

EXISTING PANEL

PS LP (7.5KVA)

EXISTING PANEL
PS LP (7.5KVA)

LOAD SERVED		WATTS PER PHASE		CKT BRKR.	CKT NO.	NEUTRAL		CKT NO.	CKT BRKR.	WATTS PER PHASE		LOAD SERVED
		A	B			A	B			A	B	
SPARE		-		15	1			2	15	-		DOWN STAIRS LIGHTS
SPARE		-	-	15	3			4	20	-	-	DEHUMIDIFIER GFI
RAW WATER CONTROL PANEL		-		20	5			6	20	-		DOWN STAIRS GFI
SPACE		-	-	-	7			8	-	-	-	SPACE
SPACE		-		-	9			10	-	-	-	SPACE
SPACE		-	-	-	11			12	-	-	-	SPACE
SPACE		-		-	13			14	-	-	-	SPACE
SPACE		-	-	-	15			16	-	-	-	SPACE
SPACE		-		-	17			18	-	-	-	SPACE
AIC RATING - AMPS		-	-	SUBTOTAL B		YES SN		SUBTOTAL A		-	-	EXISTING PANEL
RATING 120/240 V, 1 φ, 3 W, -								SUBTOTAL B		-	-	
MOUNTING SURFACE								GRAND TOT.		-	-	
GROUND BUS		YES ☒	NO ☐							-	-	
MAIN CIRCUIT BREAKER RATING 50_AMPS						AMPS PER PHASE				-	-	PS LP-1 (10KVA)
MAIN BUS RATING 250_AMPS										-	-	

EXISTING PANEL
PS LP-1 (10KVA)

LOAD SERVED	WATTS PER PHASE		CKT BRKR.	CKT NO.	NEUTRAL		CKT NO.	CKT BRKR.	WATTS PER PHASE		LOAD SERVED					
	A	B			A	B			A	B						
MAIN FLOOR RECEPTACLE	-		20	1		A	B	C	2	20	OFFICE WALL PLUG					
OFFICE EXHAUST FAN		-	20	3					4	20	OFFICE EXHAUST FAN					
ENTRANCE	-		20	5					6	20	AIR-COMP CHEM ROOM					
CHLORINE ROOM FANS		-	20	7		A	B	C	8	20	PUMP ROOM RECEPTACLE					
UNDERWATER LIGHTS	-		20	9					10	20	UNDERWATER LIGHTS					
FURNACE		-	30	11					12	20	CAUSTIC SODA CIRCULATOR					
-	-		-	13		A	B	C	14	20	FILTER TABLES 1 & 2					
AGITATOR MOTORS		-	20	15					16	20	FILTER CONTROL					
CAUSTIC SODA HEATER CONTROL	-		20	17					18	-	-					
2 ALUM CL2 CARBON		-	-	19		A	B	C	20	-	DUST COLLECTOR					
WELDER	-		50	21					22	-						
SPARE		-	20	25					24	30	HOT WATER HEATER					
SPARE	-		20	27		A	B	C	26	-	SPACE					
SPARE		-	20	29					28	-	SPACE					
SPARE	-		20	29					30	-	SPACE					
AIC RATING 10,000 AMPS	-	-	SUBTOTAL B						SUBTOTAL A			-	-			
RATING 120/240 V, 1 φ, 3 W, -									SUBTOTAL B			-	-			
MOUNTING SURFACE									GRAND TOT.			-	-			
GROUND BUS	YES ☒	NO ☐										-	-			
MAIN CIRCUIT BREAKER RATING 100_AMPS												-	-			
MAIN BUS RATING 100_AMPS												-	-			
										AMPS PER PHASE			-	-		

NEW
RECEPTACLE
PANEL

LOAD SERVED		WATTS PER PHASE		CKT BRKR.	CKT NO.	NEUTRAL		CKT NO.	CKT BRKR.	WATTS PER PHASE		LOAD SERVED		
		A	B			A	B			A	B			
1ST ROW LIGHTS AGAINST WALL ABOVE FBS		-		-	1			2	20	-		2ND ROW LIGHTS AGAINST WALL ABOVE FBS		
4TH ROW LIGHTS (CENTER) ABOVE SCD			-	20	3				4	20	-	-	3RD ROW LIGHTS AGAINST WALL ABOVE FBS	
5TH ROW LIGHTS ABOVE FLOC TANKS		-		20	5				6	20	-		LAB LIGHTS	
OFFICE LIGHTS			-	20	7			8	20		-	CONTROL ROOM LIGHTS		
EXIT SIGNS		-		20	9				10	20	-		6TH ROW LIGHTS ABOVE FLOC TANK/STAIRS	
7TH ROW LIGHTS ABOVE KMN04			-	20	11				12	20		-	8TH ROW LIGHTS ABOVE BLDG ENT/TOOL RM	
9TH ROW LIGHTS ABOVE BOILER RM/ CL2 RM		-		20	13			14	20	-	-	BASEMENT LIGHTS ABOVE HI LIFT PUMPS		
BASEMENT LIGHTS 1ST ROW LEFT OF STAIRS			-	20	15				16	20		-	BASEMENT FILTER GALLERY LIGHTS	
BASEMENT LIGHTS 2ND ROW LEFT OF STAIRS		-		20	17				18	20	-		OUTSIDE ENTRY LIGHTS	
SPARE			-	20	19			20	-		-	SPACE		
SPARE		-		20	21				22	-	-		SPACE	
SPARE			-	20	23				24	-		-	SPACE	
SPACE		-		-	25			26	-	-		SPACE		
SPACE			-	-	27				28	-		-	SPACE	
SPACE		-		-	29				30	-		-	SPACE	
AIC RATING 10,000 AMPS		-	-	SUBTOTAL B					SUBTOTAL A		-	-	NEW LIGHTING PANEL	
RATING 120/240 V, 1 φ, 3 W, -									SUBTOTAL B		-	-		
MOUNTING SURFACE									GRAND TOT.		-	-		
GROUND BUS		YES ☒ NO ☐									-	-		
MAIN CIRCUIT BREAKER RATING 100 AMPS														
MAIN BUS RATING 100 AMPS														
						AMPS PER PHASE				-	-			