


































PANEL: "4UBG"			VOLTS: 480/277			PHASE: 3			WIRE: 4			AIC RATING:			
LOCATION: <input checked="" type="checkbox"/> INDOOR DRY <input type="checkbox"/> OUTDOOR WET			ENCL. TYPE: NEMA 1			MTG: <input checked="" type="checkbox"/> SURF. <input type="checkbox"/> FLUSH			AMPERE:			MAINS: <input checked="" type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY			
<input checked="" type="checkbox"/> NEUTRAL BUS		<input checked="" type="checkbox"/> GROUND BUS		<input type="checkbox"/> ISOLATED GROUND BUS				NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO							
BRANCH CIRCUIT DESCRIPTION		WIRE SIZE	POLE BKR	CKT	LOAD - KVA				CKT NO.	POLE BKR	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION			
LIGHTS - UTILITY BUILDING		12	1/20	1	Ø A		Ø B		Ø C		2	1/20	8	LIGHTS - MONUMENT SIGN FLOODLIGHT	
- EXTERIOR				3			0.5		1.0		4			- PERFORMANCE LAWN	
- ROADWAY		8		5					1.0		6			- STEPS	
- BOLLARD				7	1.0		1.0				8			- PROA STATUE FLOODLIGHT	
- LTG. CONT. CAB. "LLC-UB"		12		9			1.0		1.0					- PERF LAWN WALKWAY	
SPARE		-		11							1.0	12			- PERF LAWN LIGHT POLES
PANEL "4PB"				13	3.4		81.1					14			PANEL "4SCG"
				15			3.4		76.6			16			
				17					2.9		66.9	18			
				19	17.1		-					20			
XFMR "TUBG"				21			21.2		-			22	3/20	-	SPARE
				23					13.2		-	24			
				25	-		-					26			
				27	-		-		-			28	3/20		
				29					-		-	30			
				31	-		-					32			
				33			-		-			34	3/100		
				35					-			36			
				37	-		-					38			
				39			-		-			40			
PFB				41					-		-	42			
PROVIDE PERMANENT LABEL INDICATING THE FOLLOWING "POWER SUPPLY ORIGINATES IN "...				TOTAL KVA/Ø: 105.1		CONNECTED KVA: 296.8 KVA		CALCULATED LOAD: 288 KVA		1 = 381A		REMARKS: SEE ONE LINE DIAGRAM FOR SIZE.			

PANEL: "2PB"			VOLTS: 208/120V			PHASE: 3			WIRE: 4			AIC RATING: 10,000		
LOCATION: <input checked="" type="checkbox"/> INDOOR DRY <input type="checkbox"/> OUTDOOR WET			ENCL. TYPE: NEMA 3R,304 SST			MTG: <input checked="" type="checkbox"/> SURF. <input type="checkbox"/> FLUSH			AMPERE: ⚡			MAINS: <input checked="" type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY		
<input checked="" type="checkbox"/> NEUTRAL BUS			<input checked="" type="checkbox"/> GROUND BUS			<input type="checkbox"/> ISOLATED GROUND BUS			NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
BRANCH CIRCUIT DESCRIPTION		WIRE SIZE	POLE BKR	CKT	LOAD - KVA						CKT NO.	POLE BKR	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION
RECEPS - UV-1		12	1/20	1	⌀ A		⌀ B		⌀ C		2	1/20	12	RECEPS - PUMP ROOM
- UV-1				3	1.0		0.9				4			- EXTERIOR
- WS-1				5					1.0		6			- WF-1
- WATER LEVEL MONITOR				7	0.2		1.0				8			- WF-2
JP-1		10	1/50	9			2.9		1.0		10			- WF-2
SPARE		-	1/20	11							12			SPARE
				13	-		-				14			
				15							16			
SPARE			2/20	17							18			
				19	-		-				20	2/20		SPARE
				21			-		-		22			
SPARE				23							24			SPARE
				25	0.6		-				26			
WEF-2		12	3/20	27			0.6		-		28	3/30	⚡	SPD
				29					0.6		30			
PROVIDE PERMANENT LABEL INDICATING THE FOLLOWING "POWER SUPPLY ORIGINATES IN ""				TOTAL KVA/Ø:		3.7		6.4		2.6		REMARKS: ⚡ SEE ONE LINE DIAGRAM FOR SIZE.		
				CONNECTED KVA:		12.7 KVA								
				CALCULATED LOAD:		12.2 KVA		1 = 33.9A						

PANEL: "4MN1"		VOLTS: 480/277		PHASE: 3		WIRE: 4		AIC RATING: 22,000 			
LOCATION: <input checked="" type="checkbox"/> INDOOR DRY <input type="checkbox"/> OUTDOOR WET		ENCL. TYPE: NEMA 1		MTG: <input checked="" type="checkbox"/> SURF. <input type="checkbox"/> FLUSH		AMPERE: 		MAINS: <input checked="" type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY			
<input checked="" type="checkbox"/> NEUTRAL BUS		<input checked="" type="checkbox"/> GROUND BUS		<input type="checkbox"/> ISOLATED GROUND BUS		NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
BRANCH CIRCUIT DESCRIPTION		WIRE SIZE	POLE BKR	CKT	LOAD - KVA Ø A Ø B Ø C			CKT NO.	POLE BKR	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION
SPARE	↓	3/20	↓	1	-	-	-	2	3/20	↓	SPARE
				3	-	-	-	4			
				5	-	-	-	6			
				7	-	-	-	8			
				9	-	-	-	10			
				11	-	-	-	12			
PFB	↓	-	↓	13	-	-	-	14	-	↓	PFB
				15	-	-	-	16			
				17	-	-	-	18			
				19	5.4	0.9	-	20			
				21	-	5.4	0.9	22			
				23	-	-	5.4	0.9			
ACCU 1-1	10	3/30	↓	25	8.2	1.3	-	26	3/20	12	AHU 1-1
				27	-	8.2	1.3	28			
				29	-	-	8.2	1.3			
ACCU 1-2	8	3/50	↓	31	8.2	1.3	-	32	3/20	12	AHU 1-2
				33	-	8.2	1.3	34			
				35	-	-	8.2	1.3			
ACCU 2-2	8	3/50	↓	37	60.8	-	-	38	3/20	12	AHU 2-2
				39	-	60.8	-	40			
				41	-	-	60.8	-			
PANEL "4MN3"											SPD 
PROVIDE PERMANENT LABEL INDICATING THE FOLLOWING "POWER SUPPLY ORIGINATES IN "..."				TOTAL KVA/Ø:		86.1		REMARKS:  SEE ONE LINE DIAGRAM FOR SIZE.			
				CONNECTED KVA:		258.3 KVA					
				CALCULATED LOAD:		207.4 KVA I = 249.5A					

PANEL: "2UBG"			VOLTS: 208/120V			PHASE: 3			WIRE: 4			AIC RATING: 10,000					
LOCATION: <input checked="" type="checkbox"/> INDOOR DRY <input type="checkbox"/> OUTDOOR WET			ENCL. TYPE: NEMA <u>1</u>			MTG: <input checked="" type="checkbox"/> SURF. <input type="checkbox"/> FLUSH			AMPERE:			MAINS: <input checked="" type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY					
<input checked="" type="checkbox"/> NEUTRAL BUS			<input checked="" type="checkbox"/> GROUND BUS			<input type="checkbox"/> ISOLATED GROUND BUS			NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO								
BRANCH CIRCUIT DESCRIPTION			WIRE SIZE	POLE	BKR	CKT	LOAD - KVA Ø A Ø B Ø C			CKT NO.	POLE	BKR	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION			
RECEP - ROADWAY			12	1/20		1	0.8	0.6			2	1/20	12	RECEPS - ELEC RM			
						3			0.8	0.8		4		- GENERATOR			
						5						6		- EXTERIOR			
						7	0.8	0.4				8		- XFMR ENCL. STO. TANK			
						9			0.6	0.5		10		EMERGENCY SHOWER			
SIGNAGE INTERNAL LIGHTING						11				1.0	0.8	12		RECEPS - SOUTHWALKWAY			
RECEP - EXTERIOR SEATING						13	1.5	0.8				14		- SOUTH WALKWAY			
						15			1.5	1.0		16	12	- ESS			
						17				1.1		18		BATTERY CHARGER			
						19	0.6	1.0				20		ENGINE SPACE HEATER			
						21			0.6	-		22		SPARE			
DT-1			12	2/20		23				0.5	-	24		ENGINE JACKET WATER HEATER			
						25	0.5	1.2				26					
WEF-1						27			0.6	1.0		28					
						29				0.6	1.0	30	2/30	12	ACCU-4/FCU-4		
						31	3.7	3.7				32					
EVSE			1	3/40		33			3.7	6.4		34			PANEL "2PB"		
						35					-	2.6	36				
						37	3.7	-				38					
EVSE						39			3.7	-		40	3/30	-	SPARE		
						41				3.7	-	42					
PROVIDE PERMANENT LABEL INDICATING THE FOLLOWING "POWER SUPPLY ORIGINATES IN ""			TOTAL KVA/Ø: CONNECTED KVA: CALCULATED LOAD:			19.3			21.2			15.4			REMARKS: ① SEE ONE LINE DIAGRAM FOR SIZE. ② PROVIDE IDENTIFIED HANDLE TIE-IN IN ACCORDANCE WITH NEC ARTICLE 210.4.B		
						55.9 KVA											
						19.1 KVA			I = 53.0 A								

PANEL: "4SCN"		VOLTS: 480/277		PHASE: 3		WIRE: 4		AIC RATING: 35,000									
LOCATION: <input checked="" type="checkbox"/> INDOOR DRY <input type="checkbox"/> OUTDOOR WET		ENCL. TYPE: NEMA 1		MTG: <input checked="" type="checkbox"/> SURF. <input type="checkbox"/> FLUSH		AMPERE:		MAINS: <input checked="" type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY									
<input checked="" type="checkbox"/> NEUTRAL BUS		<input checked="" type="checkbox"/> GROUND BUS		<input type="checkbox"/> ISOLATED GROUND BUS		NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO											
BRANCH CIRCUIT DESCRIPTION		WIRE SIZE	POLE BKR	CKT	LOAD - KVA						CKT NO.	POLE BKR	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION			
					Ø A		Ø B		Ø C								
PANEL "4MN1"				1	86.1	76.0						2					XFMR "TSCN1"
				3			86.1	78.1				4					
				5					86.1	61.6		6					
				7	6.1	5.5					8						
ELEVATOR 2				9			6.1	5.5				10					PANEL "4KIT"
				11					6.1	5.0		12					
				13	-	-						14					
				15								16	3/20	-			
SPARE		-	3/100	17								18					
				19								20					
				21								22					
				23								24					
SPARE		-	3/100	25								26					
				27								28					
				29								30					
				31								32					
SPARE		-	3/30	33								34					
				35								36					
				37								38					
				39								40	3/30				
SPARE		-	3/20	41								42					
PROVIDE PERMANENT LABEL INDICATING THE FOLLOWING "POWER SUPPLY ORIGINATES IN "..."				TOTAL KVA/Ø:		173.7		175.8		158.8		REMARKS: SEE ONE LINE DIAGRAM FOR SIZE.					
				CONNECTED KVA:		5.8.3 KVA											
				CALCULATED LOAD:		365.3 KVA		I = 439.4 A									

PANEL: "2SCN1"			VOLTS: 208/120			PHASE: 3			WIRE: 4			A/C RATING: 18,000 			
LOCATION: <input checked="" type="checkbox"/> INDOOR DRY <input type="checkbox"/> OUTDOOR WET			ENCL. TYPE: NEMA <u>1</u>			MTG: <input checked="" type="checkbox"/> SURF. <input type="checkbox"/> FLUSH			AMPERE: 			MAINS: <input checked="" type="checkbox"/> BREAKER <input type="checkbox"/> LUGS ONLY			
<input checked="" type="checkbox"/> NEUTRAL BUS		<input checked="" type="checkbox"/> GROUND BUS		<input type="checkbox"/> ISOLATED GROUND BUS				NEUTRAL BUS GND. BONDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO							
BRANCH CIRCUIT DESCRIPTION		WIRE SIZE	POLE BKR	CKT 	LOAD - KVA						CKT NO.	POLE BKR	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION	
					Ø A		Ø B		Ø C						
PANEL "2FIN" 				1	31.6	1.6						2			PANEL "2DEL"
					3		2.2	2.0				4			
					5				2.2	1.2		6			
PANEL "2LIB"				7	8.7	12.8						8			PANEL "2CA1"
					9		9.1	14.2				10			
					11				7.7	9.5		12			
PANEL "2OAR"				13	4.5	16.4						14			PANEL "2SCN2"
					15		4.7	15.3				16			
					17				2.6	2.6		18			
PANEL "2KIT"				19	7.3	21.6						20			PANEL "2SCN3"
					21		6.5	29.1				22			
					23				6.5	19.3		24			
SPARE				25	-	-						26			SPARE
					27			-	-			28			
					29					-	-	30			
					31							32			
					33					-	-	34			
					35							36			
					37							38			
					39							40			
					41							42			
PROVIDE PERMANENT LABEL INDICATING THE FOLLOWING "POWER SUPPLY ORIGINATES IN ""-""					TOTAL KVA/Ø: 76.0		78.1		61.6		REMARKS:  SEE ONE LINE DIAGRAM FOR SIZE.				
					CONNECTED KVA: 215.7 KVA										
					CALCULATED LOAD: 124.5 KVA		I = 345.6A 