

Remarks	Power: 600/347 V 3 ø 4 W										SYM. IC.: 18000 A										Remarks										
	# OF CKTS.: 42										LOCATION ELECTRICAL RM. 112A											MAINS: 225 A									
	INCOMING:																					MAIN BKR: N/A A									
Designation										CKT #	Watts	BKR	PHASE			BKR	Watts	CKT#	Designation												
										1	30127	100A 3P	a	b	c	80A 3P	22000	2	AIR-HANDLING UNIT 'AHU-1'												
TRANSFORMER TX-N1 FOR DISTRIBUTION PANEL DP.2										3	34032		X	X	22000		4														
										5	29002		X	X	22000		6														
										7	4150	80A 3P	X			100A 3P	8	SPARE													
AUTOMATIC TRANSFER SWITCH 'ATS-1'										9	4250		X		10																
										11	1692		X		12																
SPACE										13			X			14	SPACE														
SPACE										15			X			16	SPACE														
SPACE										17				X		18	SPACE														
SPACE										19		X				20	SPACE														
SPACE										21			X			22	SPACE														
SPACE										23				X		24	SPACE														
SPACE										25		X				26	SPACE														
SPACE										27			X			28	SPACE														
SPACE										29				X		30	SPACE														
SPACE										31		X				32	SPACE														
SPACE										33			X			34	SPACE														
SPACE										35				X		36	SPACE														
SPACE										37		X				38	SPD														
SPACE										39			X			40															
SPACE										41				X		42															
FEEDER:										SOURCE:										NEW NSP SERVICE											
Remarks:										4 #4 AWG + #4 Cu. BOND IN 63mmC																					
1										SPD BREAKER TO BE SIZED PER SPD MANUFACTURER'S RECOMMENDATIONS.																					
																				Phase A Total 56277 W 162.2 A											
																				Phase B Total 60282 W 173.7 A											
																				Phase C Total 52694 W 151.9 A											
																				TOTAL 169253 W 483.1 A											

Remarks	Power: 120/208 V 3 ø 4 W												PANEL DP.2				SYM. IC.: 10000 A				Remarks
	# OF CKTS.: 42												LOCATION/ELECTRICAL RM. 112A				MAINS: 400 A				
	INCOMING:																MAIN BKR: N/A A				
Designation		CKT #	Watts	BKR	PHASE a b c			BKR	Watts	CKT#	Designation										
1	EXISTING PANEL 'A1'	1	6120	200A 3P	X			200A 3P	5820	2	EXISTING PANEL 'A2'	1									
		3	5600			X			8132	4											
		5	5850		X		6782	6													
1	EXISTING PANEL 'A3'	7	6148	200A 3P	X			200A 3P	8039	8	NEW PANEL 'A4'										
		9	6360			X			9940	10											
		11	4210		X		8160	12													
2	EXISTING DPW TRAILER	13	3000	60A 3P	X			30A 3P	1000	14	EXISTING B.I.O. STORAGE BUILDING	2									
		15	3000			X			1000	16											
		17	3000		X		1000	18													
	SPARE	19		100A 3P	X			50A 3P		20	SPARE										
		21					22														
		23			X			24													
	SPACE	25			X				26	SPACE											
	SPACE	27				X			28	SPACE											
	SPACE	29					X		30	SPACE											
	SPACE	31		X					32	SPACE											
	SPACE	33				X			34	SPACE											
	SPACE	35					X		36	SPACE											
	SPACE	37		X					38	SPD	3										
	SPACE	39				X			40												
	SPACE	41					X		42												
FEEDER:		4#3/0 + #4 Cu. BOND IN 53mmC										SOURCE:		TRANSFORMER 'TX-N1'							
Remarks:		1 PROVIDE NEW FEEDERS AS INDICATED ON SINGLE LINE.										Phase A Total		30127	W	251.1	A				
		2 EXTEND EXISTING FEEDERS TO NEW BREAKERS AS REQUIRED.										Phase B Total		34032	W	283.6	A				
		3 SPD BREAKER TO BE SIZED PER SPD MANUFACTURER'S RECOMMENDATIONS.										Phase C Total		29002	W	241.7	A				
												TOTAL		93161	W	258.9	A				

DESK MONUMENTS, RECESSED FLOOR BOX, AND FIRE-RATED POKE-THROUGH SCHEDULE AND SPECIFICATION									
TYPE	DESCRIPTION	NOMINAL DIMENSIONS	DEVICE QUANTITY			COVER PLATE		LISTINGS	
			RECEPTACLE	DATA	VOICE	STYLE	FINISH		
FB1	4 GANG CAST-IN-PLACE FLOOR BOX C/W ROUND COVER TO MATCH POKE-THROUGH	340mm X 340mm X 100mm	2 X 20A DUPLEX	2	2	FLUSH/FLANGLESS	PAINTED METALLIC OR BRUSHED ALUMINUM	UL519A SCRUB WATER EXCLUSION	
FB2	EXISTING CAST-IN-PLACE FLOOR BOX	340mm X 340mm X 100mm	2 X 20A DUPLEX	2	2	EXISTING	EXISTING		
NOTES									
1 THE PRODUCT SPECIFICATIONS LISTED ABOVE REPRESENT THE BASIC CATALOG NUMBER INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL NECESSARY SUPPORTS FITTINGS, TRIMS, CONSTRUCTION PLATES, COVERS, ETC TO MAKE A COMPLETE FLOOR BOX AND/OR FIRE RATED POKE THROUGH ASSEMBLY.									

LIGHTING FIXTURE SCHEDULE AND SPECIFICATION									
TYPE	DESCRIPTION	ADDITIONAL DESCRIPTION	LAMP TYPE	NUMBER OF LAMPS	LAMP WATTAGE	FIXTURE WATTAGE	COLOUR TEMPERATURE (K)	FINISH	BALLAST/DRIVER TYPE
EX1	EXISTING 1200 MM SUSPENDED INDIRECT FIXTURE	OWNER SUPPLIED, CONTRACTOR INSTALLED, SUSPENDED AT 2400mm AFF. PROVIDE NEW LAMPS AS INDICATED HEREIN. PROVIDE NEW INSTANT START T8 BALLASTS	T8 LED	2	22	44	3500	WHITE	T8 INSTANT START
L1	600 MM X 600 MM RECESSED LED TROFFER	SPECIFICATION GRADE RECESSED TROFFER, MINIMUM 3600 LUMENS AT 85 lm/W EFFICIENCY, MINIMUM 80 CRI	LED	N/A	N/A	20	3500	WHITE	0-10V DIMMABLE, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
L2	600 MM STRIPLIGHT	2680 LUMENS MINIMUM, COMPLETE WITH LENS. PENDANT/SURFACE MOUNTED AS INDICATED.	LED	N/A	N/A	26	3500	WHITE	ELECTRONIC, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
L3	1200 MM STRIPLIGHT	4990 LUMENS MINIMUM, COMPLETE WITH LENS. PENDANT/SURFACE MOUNTED AS INDICATED.	LED	N/A	N/A	46	3500	WHITE	ELECTRONIC, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
L4A	3600 MM DIRECT/INDIRECT SUSPENDED FIXTURE	14400 LUMENS, 30% DOWN, 70% UP, INSTALLED 2400 MM AFF UNLESS OTHERWISE NOTED. COMPLETE WITH FLAT END-CAPS	LED	N/A	N/A	141	3500	WHITE	0-10V DIMMABLE, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
L4B	2400 MM DIRECT/INDIRECT SUSPENDED FIXTURE	9600 LUMENS, 30% DOWN, 70% UP, INSTALLED 2400 MM AFF UNLESS OTHERWISE NOTED. COMPLETE WITH FLAT END-CAPS	LED	N/A	N/A	94	3500	WHITE	0-10V DIMMABLE, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
L4C	2400 MM DIRECT/INDIRECT SUSPENDED FIXTURE	9600 LUMENS, 80% DOWN, 20% UP, INSTALLED 2400 MM AFF UNLESS OTHERWISE NOTED. COMPLETE WITH FLAT END-CAPS	LED	N/A	N/A	94	3500	WHITE	0-10V DIMMABLE, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
L5	100 MM LED RECESSED DOWNLIGHT	900 LUMENS, MEDIUM BEAM REFLECTOR LENS	LED	N/A	N/A	14	3500	WHITE	0-10V DIMMABLE, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
L6	100 MM LED RECESSED DOWNLIGHT	900 LUMENS, MEDIUM BEAM REFLECTOR LENS	LED	N/A	N/A	14	3500	WHITE	0-10V DIMMABLE, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
L7	1200 MM SURFACE MOUNTED FIXTURE	2800 LUMENS MINIMUM. 1200 MM X 100 MM X 120 MM CUBE APPEARANCE. COMPLETE WITH OPAL ACRYLIC LENS	LED	N/A	N/A	31	3500	WHITE	0-10V DIMMABLE, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
L8	300 MM X 170 MM X 135 MM WALL PACK	FULL CUTOFF, DARK SKY COMPLIANT, 1600 LUMENS	LED	N/A	N/A	18	3500	NATURAL ALUMINUM	ELECTRONIC, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
L9	600 MM UNDERCABINET LIGHT	400 LUMENS MINIMUM, ADJUSTABLE FIXTURE ANGLE, 85 CRI MINIMUM	LED	N/A	N/A	14	3000	WHITE	ELECTRONIC, COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM
NOTES									
1 THE PRODUCT SPECIFICATIONS LISTED ABOVE REPRESENT THE BASIC FIXTURE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL NECESSARY SUPPORTS FITTINGS, TRIMS, HOUSINGS, CANOPIES, ETC TO MAKE A COMPLETE LIGHTING ASSEMBLY.									

Remarks	Power: 600/347 V 3 ø 4 W										PANEL EP.1										SYM. IC.: 18000 A										Remarks								
	# OF CKTS.: 42										LOCATION ELECTRICAL RM. 112A										MAINS: 225 A																		
	INCOMING:																				MAIN BKR: N/A A																		
Designation										CKT #	Watts	BKR	PHASE			BKR	Watts	CKT#	Designation																				
										1	2150	60A 3P	a	b	c	25A 2P	2000	2	EXISTING 10 kVA 1-PHASE TRANSFORMER FOR SEWAGE LIFT STATION CONTROLLER																				
TRANSFORMER TX-E1 FOR PANEL EP.2										3	2250						2000	4																					
										5	1692			X			6	SPARE																					
SPARE										7		30A 2P	X			60A 3P	8																						
										9			X				10	SPARE																					
SPARE										11		15A 2P	X			15A 3P	12																						
										13			X				14	SPARE																					
SPACE										15			X				16																						
										17				X			18	SPACE																					
										19			X				20	SPACE																					
										21				X			22	SPACE																					
										23					X		24	SPACE																					
										25			X				26	SPACE																					
										27				X			28	SPACE																					
										29					X		30	SPACE																					
										31							32	SPACE																					
										33					X		34	SPACE																					
										35					X		36	SPACE																					
										37				X			38	SPD																					
										39				X		40																							
										41					X		42																						
FEEDER:										4#3 AWG + #6 AWG CU. BOND IN 35mmC										SOURCE:										AUTOMATIC TRANSFER SWITCH ATS-1									
Remarks:										1 REFEED EXISTING TRANSFORMER; EXTEND FEEDER AS REQUIRED.										Phase A Total 4150 W 12.0 A																			
										2 SPD BREAKER TO BE SIZED PER SPD MANUFACTURER'S RECOMMENDATIONS.										Phase B Total 4250 W 12.2 A																			
																				Phase C Total 1692 W 4.9 A																			
																				TOTAL 10092 W 9.7 A																			