

PANEL: PA		LOCATION : MECHANICAL RM 204 SERVICE : 347/600/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22kA		225 AMP. MAINS. AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	WIRE	LOAD	LOAD DESCRIPTION	PHASE LOAD					
								A	B	C			
REC. HRV-1, RM. 204	187	12	20	1	2	15	SPARE	187					
REC. HRV-2, RM. 204	187	12	20	3	4	15	SPARE	187					
MOTORIZED DAMPERS, RM. 204	200	12	15	5	6	15	SPARE			200			
FIRE PROTECTION PANEL, RM. 107	200	12	15	7	8	15	SPARE	200					
HOT WATER TANK RM. 107	3000	12	20	9	10	15	SPARE		1500				
				11	12	15	SPARE			1500			
(*)REC. SUMP PUMP, P-2, STAIR 131	348	12	15	13	14		HEATING/ COOLING UNITS RM. 114 FC6A, FC6B, FC6C, FC6D	681					
CIRC. PUMP, P-1, RM-107	125	12	15	15	16	20	12	666					
FAN F1, RM. 103	500	12	15	17	18		HEATING/ COOLING UNITS BS2, BS3, FC5, FC11	811					
FAN F3, RM. 122	500	12	15	19	20								
HEATING/ COOLING UNITS FC1, FC2, FC3, FC4	666	12	20	21	22	20	12	499					
HEATING/ COOLING UNITS, RM. 214 FC7A, FC7B, FC7C, FC7D, BS1	666	12	20	23	24		DISTRIBUTION BOXES RM. FC8, FC9, FC10		583				
				25	26	15	SPARE			333			
				27	28		SPARE			333			
OUTDOOR CONDENSER, CU2	4860	12	20	31	32				3240				
				33	34	20	12	4860	OUTDOOR CONDENSER, CU3				
FAN F9	137	12	15	35	36					1757			
PREPARED SPACE				15	37	38	PREPARED SPACE						
PREPARED SPACE				15	39	40	PREPARED SPACE						
PREPARED SPACE				15	41	42	PREPARED SPACE						
NOTES: (*) PROVIDE CT ON CIRCUIT LINE CONDUCTOR, RATED FOR 10 AMP MOTOR LOAD. CONTROL WIRING BY MECHANICAL.								CONNECTED LOAD	16.6 kW	TOTAL WATTS	5,452	6,301	4,851
								ESTIMATED DEMAND	12.5 kW	TOTAL AMPS			

PANEL: PB		LOCATION : ELECTRICAL RM 103 SERVICE : 120/208/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22kA		225 AMP. MAINS. AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	WIRE	LOAD	LOAD DESCRIPTION	PHASE LOAD					
								A	B	C			
REC. FOR FRIDGE RM. 105	700	12	15	1	2	15	REC. RM. 104	1200					
REC. RM. 105	200	12	15	3	4	15	REC. RM. 102		700				
REC. RM. 105	1000	12	20	5	6	15	REC. RM. 102			1200			
REC. FOR COPIER RM. 111	1500	12	20	7	8	15	REC. RM. 113	1700					
REC. FOR COPIER RM. 111	1500	12	20	9	10	15	REC. RM. 113		1700				
REC. RM. 113	200	12	15	11	12	15	REC. RM. 113			600			
REC. RM. 116	300	12	15	13	14	15	REC. RM. 116	600					
REC. RM. 116	300	12	15	15	16	15	REC. RM. 116		600				
REC. RM. 116	300	12	15	17	18	15	REC. RM. 116			600			
REC. RM. 110, 112, 118	500	12	15	19	20	15	REC. EXTERIOR		700				
REC. RM. 103	200	12	15	21	22	15	REC. SMART BAY LINK RM. 114		600				
REC. RM. 107	200	12	15	23	24	20	REC. RADAR TEST RM. 114			700			
SPARE				15	25	26	15	100	REC. RM. 114	100			
REC. RM. 114	200	12	15	27	28	15	12	300	REC. RM. 114	500			
REC. RM. 114	200	12	15	29	30	15	12	100	MOTORIZED DAMPERS RM. 103	300			
SPARE				15	31	32	20	12	500	BELL FIBRE TRANSPORT RACK	500		
SPARE				15	33	34	15	12	50	MOTORIZED DAMPER RM. 122	50		
SPARE				15	35	36	15		SPARE				
SPARE				15	37	38	15		SPARE				
PREPARED SPACE				39	40				PREPARED SPACE				
PREPARED SPACE				41	42				PREPARED SPACE				
NOTES:								CONNECTED LOAD	12.0 kW	TOTAL WATTS	4,800	4,150	3,400
								ESTIMATED DEMAND	9.0 kW	TOTAL AMPS			

PANEL: PC		LOCATION : ELECTRICAL RM 103 SERVICE : 120/208/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22kA		225 AMP. MAINS. AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	WIRE	LOAD	LOAD DESCRIPTION	PHASE LOAD					
								A	B	C			
REC. RM. 119	100	12	15	1	2	15	REC. RM. 126, 127	600					
REC. RM. 127	200	12	15	3	4	15	REC. RM. 126		400				
REC. RM. 127	200	12	15	5	6	15	REC. RM. 126			400			
REC. RM. 125	300	12	15	7	8	15	REC. RM. 124	500					
REC. RM. 125	300	12	15	9	10	15	REC. RM. 124		500				
REC. RM. 122, 124	500	12	15	11	12	15	REC. RM. 123			700			
REC. RM. 123	200	12	15	13	14	15	REC. RM. 121	400					
REC. RM. 122	200	12	15	15	16	15	REC. RM. 121		400				
REC. RM. 122	200	12	15	17	18	15	EMERGENCY SHOWER			400			
OVERHEAD DOOR, RM. 116	1500	12	15	19	20	40	8	6000	VEHICLE CHARGING STATION	3750			
				21	22					3750			
OVERHEAD DOOR, RM. 116	1500	12	15	23	24	15	12	200	DOOR ACCESS SYSTEM	950			
				25	26	15	12	200	TELEPHONE EQUIPMENT RM. 108	950			
DOOR HEAT TRACE	600	12	15	27	28	15	12	200	T.V. EQUIPMENT RM. 108	800			
REC. LAN ROOM	200	12	15	29	30	15			SPARE	200			
SPARE				15	31	32	15		SPARE				
PREPARED SPACE				33	34	15			SPARE				
PREPARED SPACE				35	36				PREPARED SPACE				
PREPARED SPACE				37	38				PREPARED SPACE				
PREPARED SPACE				39	40				PREPARED SPACE				
PREPARED SPACE				41	42				PREPARED SPACE				
NOTES:								CONNECTED LOAD	14.7 kW	TOTAL WATTS	6,200	5,850	2,650
								ESTIMATED DEMAND	11.3 kW	TOTAL AMPS			

PANEL: PD		LOCATION : MECHANICAL RM 204 SERVICE : 120/208/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22kA		225 AMP. MAINS. AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	WIRE	LOAD	LOAD DESCRIPTION	PHASE LOAD					
								A	B	C			
REC. RM. 205	400	12	15	1	2	15	12	500	REC. RM. 213				
REC. RM. 203	400	12	15	3	4	15	12	200	REC. RM. 212				
REC. RM. 201, 211	400	12	15	5	6	15	12	500	REC. RM. 212, FAN F10		900		
REC. FRIDGE RM. 212	700	12	15	7	8	15	12	100	ELEVATOR CAR	800			
REC. COUNTER RM. 212	1200	12	20	9	10	15	12	500	REC. SHOWER RM. 202		1700		
REC. MICROWAVE RM. 212	1200	12	15	11	12	15	12	500	REC. WSH/RMS 206, 207		1700		
REC. RM. 214	500	12	15	13	14	15	12	500	REC. RM. 214	1000			
REC. RM. 214	200	12	15	15	16	15	12	500	REC. RM. 214		700		
REC. RM. 214	500	12	15	17	18	15	12	500	REC. RM. 214 CONSOLE		1000		
REC. RM. 214 CONSOLE	500	12	15	19	20	15	12	500	REC. RM. 214 CONSOLE	1000			
REC. RM. 214 CONSOLE	500	12	15	21	22	15	12	200	REC. ON ROOF		700		
REC. RM. 204	200	12	15	23	24						3550		
CLOCK, RM. 214	100	12	15	25	26	40	8	6700	COOK TOP		3450		
WALL OVEN, RM. 212	5000	10	30	27	28	15	12	200	REC. ON ROOF		2700		
				29	30	15	12	200	REC. ON ROOF		2700		
SPARE				15	31	32	15	12	100	POWER FOR CAMERAS	100		
SPARE				15	33	34	15						
SPARE				15	35	36	15						
PREPARED SPACE				37	38	15			SPARE				
PREPARED SPACE				39	40				PREPARED SPACE				
PREPARED SPACE				41	42				PREPARED SPACE				
NOTES:								CONNECTED LOAD	23.6 kW	TOTAL WATTS	7250	6400	9950
								ESTIMATED DEMAND	17.7 kW	TOTAL AMPS			

PANEL: LA		LOCATION : ELECTRICAL RM 103 SERVICE : 120/208/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22kA		100 AMP. MAINS. AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	WIRE	LOAD	LOAD DESCRIPTION	PHASE LOAD					
								A	B	C			
LIGHTING 1ST FL., GENERAL	854	12	15	1	2	15	12	680	LIGHTING EXTERIOR	1534			
LIGHTING 1ST FL., LOBBY AREA	824	12	15	3	4	15	12	738	LIGHTING RM. 114		1562		
LIGHTING WORKSHOP RM. 120	1012	12	15	5	6	15	12	720	LIGHTING RM. 214			1732	
LIGHTING 2ND FL., GENERAL	696	12	15	7	8	15	12	679	LIGHTING 2ND. FLOOR	1375			
LIGHTING RM. 214, TASK LIGHTS	435	12	15	9	10	15	12	200	EXIT & EMERGENCY LIGHTING UNITS		635		
SPARE				15	11	12	15		SPARE				
SPARE				15	13	14	15		PREPARED SPACE				
PREPARED SPACE				15	15	16			PREPARED SPACE				
PREPARED SPACE				17	18				PREPARED SPACE				
NOTES:								CONNECTED LOAD	6.8 kW	TOTAL WATTS	2909	2197	1732
								ESTIMATED DEMAND	6.8 kW	TOTAL AMPS			

PANEL: HA		LOCATION : ELECTRICAL RM 103 SERVICE : 347/600/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22kA		100 AMP. MAINS. AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	WIRE	LOAD	LOAD DESCRIPTION	PHASE LOAD					
								A	B	C			
HEATING RM. 214	4000	12	15	1	2	15	12	3500	HEATING RM. 114 & STAIR 115	7500			
HEATING RM. 204 & STAIR	3500	12	15	3	4	15	12	3500	HEATING RM. 116 & 117		7000		
HEATING 2ND FLOOR	4000	12	15	5	6	15	12	3000	HEATING RM. 120 AREA			7000	
HEATING RM. 100 & 104	2750	12	15	7	8	15			SPARE	2750			
HEATING RM. 105, 106, 107, 108	3000	12	15	9	10	15			SPARE		3000		
PREPARED SPACE				11	12				PREPARED SPACE				
PREPARED SPACE				13	14				PREPARED SPACE				
PREPARED SPACE				15	16				PREPARED SPACE				
PREPARED SPACE				17	18				PREPARED SPACE				
NOTES:								CONNECTED LOAD	27.3 kW	TOTAL WATTS	10,250	10,000	7,000
								ESTIMATED DEMAND	27.3 kW	TOTAL AMPS			

PANEL: DB		LOCATION : ELECTRICAL RM. 103 SERVICE : 347/600/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22k		400 AMP. MAINS. AMP. RMS SYM.						
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	WIRE	LOAD	LOAD DESCRIPTION	PHASE LOAD				
								A	B	C		
FEEDER TO PANEL HA	30kW	4	70	3	4	40	8	15kW	ELEVATOR			
				5	6							15kW
				7	8							15kW
FEEDER TO TRANSFORMER T-1	70kW	1/0	150	9	10	30	3	10kW	FEEDER TO TRANSFORMER T-3		33.3kW	
				11	12							33.3kW
				13	14							
OUTDOOR CONDENSER C1	14kW	10	30	15	16	15			SPARE		4667	
				17	18							4667
				19	20						1500	
SPARE				21								