

PANEL: UPS		LOCATION : RM 107 SERVICE : 120/208/3/60		MOUNTING : FLUSH BRANCH BREAKER I.C. : 22k		225 AMP. MAINS. 22KA AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	BKR	WIRE	LOAD	PHASE LOAD					
								A	B	C			
REC. RM. 209 FLOOR	500	12	15	1	1	2	100						
REC. RM. 209 FLOOR	500	12	15	3	4	15	100		600				
REC. RM. 209 FLOOR	500	12	15	5	6	15	100			600			
REC. CABLE TRAY RM. 107	100	12	15	7	8	15	100	200					
REC. CABLE TRAY RM. 107	100	12	15	9	10	15	100		200				
REC. CABLE TRAY RM. 107	100	12	15	11	12	15	100			200			
REC. CABLE TRAY RM. 107	100	12	15	13	14	15	500	600					
REC. CABLE TRAY RM. 107	500	12	15	15	16	15	12	500	1000				
REC. CABLE TRAY RM. 107	500	12	15	17	18	15	12	500		1000			
REC. CABLE TRAY RM. 107	500	12	15	19	20	15	12	500	1000				
REC. CABLE TRAY RM. 107	500	12	15	21	22	15	12	500		1000			
REC. CABLE TRAY RM. 107	500	12	15	23	24	15	12	500		1000			
REC. CABLE TRAY RM. 107	500	12	15	25	26	15	12	500	1000				
REC. CABLE TRAY RM. 107	500	12	15	27	28	15	12	500		1000			
REC. CABLE TRAY RM. 107	500	12	15	29	30	15	12	500		1000			
REC. CABLE TRAY RM. 107	500	12	15	31	32	15	12	200	700				
REC. CABLE TRAY RM. 107	500	12	15	33	34	15	12	200		700			
REC. CABLE TRAY RM. 107	500	12	15	35	36	15				500			
BELL ALIANT EQUIPMENT RM. 107	1000	12	20	37	38	15			1000				
SPARE				39	40	15							
SPARE				41	42	15							
NOTES:								CONNECTED LOAD	14.0 kW	TOTAL WATTS	5,100	4,500	4,300
								ESTIMATED DEMAND	12.0 kW	TOTAL AMPS			

PANEL: PC		LOCATION : ELEC. RM. 123 SERVICE : 120/208/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22k		225 AMP. MAINS. 22KA AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	BKR	WIRE	LOAD	PHASE LOAD					
								A	B	C			
REC. RM. 115	200	12	15	1	2	15	12	200					
REC. RM. 115	200	12	15	3	4	15	12	500		700			
REC. RM. 115, 116	500	12	20	5	6	15	12	200		700			
REC. RM. 118	200	12	15	7	8	15	12	300					
REC. RM. 118	200	12	15	9	10	15	12	1500		1700			
REC. RM. 118, 118A	500	12	15	11	12	15	12	1500		2000			
REC. RM. 117	100	12	15	13	14		15	1500	850				
REC. RM. 120	300	12	15	15	16	15				1050			
REC. RM. 120	300	12	15	17	18					1050			
O.H. DOOR RM. 109	1500	12	15	19	20	15	15	1500	1500				
SPRINKLER EQUIP. RM. 125	100	12	15	23	24	15				100			
PREACTION SPRINKLER PANEL	200	12	15	25	26	15	12	200	400				
POWER FOR OUTDOOR CAMERAS	300	12	15	27	28	15	12	200		500			
CCTV EQUIPMENT RM. 209	200	12	15	29	30	15				200			
SPARE				31	32	15							
SPARE				33	34	15							
SPARE				35	36								
PREPARED SPACE				37	38								
PREPARED SPACE				39	40								
PREPARED SPACE				41	42								
NOTES:								CONNECTED LOAD	12.6 kW	TOTAL WATTS	3,650	4,850	4,050
								ESTIMATED DEMAND	9.5 kW	TOTAL AMPS			

PANEL: DA		LOCATION : ELECTRICAL RM. 123 SERVICE : 347/600/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22k		400 AMP. MAINS. AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	BKR	WIRE	LOAD	PHASE LOAD					
								A	B	C			
FEEDER TO PANEL HA	39kW	4	70	3	4	40	8	15kW					
FEEDER TO TRANSFORMER T-1	113kW	350 KCM	150	9	10	100	6	27kW	46.6kW	18kW			
HEATING COIL, RHC-1, RM. 203	6000	10	30	13	14	30	10	6000	12kW	12kW			
HEATING COIL, RHC-2, RM. 102				15	16				12kW	12kW			
SPARE				17	18								
SPARE				19	20								
SPARE				21	22								
SPARE				23	24								
SPARE				25	26								
SPARE				27	28								
SPARE				29	30								
NOTES:								CONNECTED LOAD	228 kW	TOTAL WATTS	76kW	76kW	76kW
								ESTIMATED DEMAND	108 kW	TOTAL AMPS			

PANEL: PA		LOCATION : MECHANICAL RM. 203 SERVICE : 120/208/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22k		225 AMP. MAINS. 22KA AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	BKR	WIRE	LOAD	PHASE LOAD					
								A	B	C			
REC. HRV-1 RM. 203	187	12	15	1	2	15	12	700					
REC. HRV-2 RM. 203	187	12	15	3	4				537				
HAZARDOUS GAS PANEL	200	12	15	5	6	15	12	800		600			
SPARE				7	8				400				
HOT WATER TANK RM. 125	4500	10	30	9	10	30	10	1800		3150			
REC. SUMP PUMP, P2, RM. 126	250	12	15	11	12				1650	3150			
PUMP, P1, RM. 125	125	12	15	13	14	30	10	2800		1525			
FAN, F1 RM. 116	200	12	15	17	18	15	12	200		400			
FAN, F2 RM. 123	200	12	15	19	20	15	12	500	450				
SPARE				21	22				250				
HEATING/ COOLING UNITS FC8, FC9	1000	12	20	23	24	20	12	900	950				
TFR FOR MOTORIZED DAMPERS	50	12	15	27	28				400				
TFR FOR MOTORIZED DAMPERS	200	12	15	29	30	15	12	700		550			
TFR FOR MOTORIZED DAMPERS	300	12	15	31	32	20	12	900	750				
HEATING/ COOLING UNITS FC13, FC14, FC15	900	12	15	33	34	15			900	450			
SPARE				35	36								
SPARE				37	38	30	10	2800	1400				
SPARE				39	40				1400				
SPARE				41	42								
NOTES:								CONNECTED LOAD	20.4 kW	TOTAL WATTS	6,137	8,162	6,100
								ESTIMATED DEMAND	15.3 kW	TOTAL AMPS			

PANEL: PD		LOCATION : MECH. RM. 203 SERVICE : 120/208/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22k		225 AMP. MAINS. 22KA AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	BKR	WIRE	LOAD	PHASE LOAD					
								A	B	C			
REC. RM. 212 KITCHEN COUNTER	1200	12	20	1	2	15	12	200	1400				
REC. RM. 212 KITCHEN FRIDGE	700	12	15	3	4	15	12	200		900			
REC. RM. 212 KITCHEN MICROWAVE	1200	12	15	5	6	15	12	500		1700			
REC. RM. 207, 208	300	12	15	7	8	15	12	500	800				
REC. RM. 201, 213, CORRIDOR	400	12	15	9	10	15	12	800		1200			
REC. RM. 206	400	12	15	11	12	15	12	500		900			
REC. RM. 209 - PRINTER	800	12	20	13	14	15	12	500		1300			
REC. RM. 209	200	12	15	15	16	15	12	500		700			
REC. RM. 209	200	12	15	17	18	15	12	200		400			
COOKTOP, RM. 124	6700	6	40	19	20	30	8	5000	5850				
FAN, F3 RM. 205	200	12	15	23	24	15	12	200		500			
SPARE				25	26	15	12	300	300				
SPARE				27	28	15	12	200		200			
SPARE				29	30	15	12	200		200			
SPARE				31	32	15							
PREPARED SPACE				33	34	15							
PREPARED SPACE				35	36								
PREPARED SPACE				37	38								
PREPARED SPACE				39	40								
PREPARED SPACE				41	42								
NOTES:								CONNECTED LOAD	22.2 kW	TOTAL WATTS	9,650	8,850	3,700
								ESTIMATED DEMAND	16.7 kW	TOTAL AMPS			

PANEL: LA		LOCATION : ELECTRICAL RM 123 SERVICE : 120/208/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22k		AMP. MAINS. : EXISTING AMP. RMS SYM.							
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	BKR	WIRE	LOAD	PHASE LOAD					
								A	B	C			
LIGHT. RM. 105,106,109-111, 130	861	12	15	1	2	15	12	1080	1941				
LITG RM. 100-104,108,112,124,127,128	1053	12	15	3	4	15	12	738		1791			
LIGHTING WORKSHOP RM. 114-120	1104	12	15	5	6	15	12	734		1838			
LIGHTING RM. 210-212	661	12	15	7	8	15	10	926	1587				
SPARE				9	10	15	12	540		540			
LIGHTING TASK LIGHT RM. 209	180	12	15	11	12	15	12	200		380			
EMERGENCY STAIR #2 & EXIT LIGHTS	200	12	15	13	14	15				100			
SPARE				15	16	15							
PREPARED SPACE				17	18								
NOTES:								CONNECTED LOAD	8.2 kW	TOTAL WATTS	3,628	2,331	2,218
								ESTIMATED DEMAND	6.2 kW	TOTAL AMPS			

PANEL: PB		LOCATION : ELE. RM. 123 SERVICE : 120/208/3/60		MOUNTING : SURFACE BRANCH BREAKER I.C. : 22k		225 AMP. MAINS. 22KA AMP. RMS SYM.				
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	BKR	WIRE	LOAD	PHASE LOAD		
								A	B	C
REC. FRIDGE RM. 124	700	12	15	1	2	20	12	864	1564	
REC. MICROWAVE OVEN RM. 124	1000	12	15	3	4	20	12	500		1500
REC. RM. 124	500	12	20	5	6	15	12	200		700
REC. RM. 125, 126	200	12	15	7	8	15	12	300	500	
REC. RM. 101, 128	300	12	15	9	10	15	12	1500		1800
REC. RM. 102	500	12	15	11	12	15	12	1500		2000
REC. RM. 106 LAN	500	12	15	13	14	15	12	200	700	
REC. RM. 106 LAN	500	12	15	15	16	15	12	200		700
REC. RM. 110	200	12	15	17	18	15	12	200		400
REC. RM. 109	300	12	15	19	20	15	12	300	600	
REC. RM. 109	300	12	15	21	22	15	12	300		600
REC. RM. 109	300	12	15	23	24	15	12	300		600
REC. RM. 131	200	12	15	25	26	15	12	100	300	
REC. RM. 129	200	12	15	27	28	15	12	100		300
REC. RM. 101	500	12	15	29	30	15	12	200		700
REC. RM. 122	200	12	15	31	32	15	12	300	500	
REC. RM.										