

PANEL HP SECTION 1 120/208V 3PH 4W 400 AMP BUS - MCB 65K AIC NEMA TYPE 1 (SURFACE)																
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA		CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
1	EF-B	20	20	1	2	1.00	2		2	Lights Rm 013	20	20	1	10	1.00	10
3	F A C P	20	20	1	1	1.00	1		4	Elevator Cab Lights	20	20	1	3	1.00	3
5	Lights Rm's 003 & 004	20	20	1	10	1.00	10		6	Elevator Sump Control Panel	20	20	1	14	1.00	14
7	Lights Rm's 002 & 007	20	20	1	10	1.00	10		8	Outlets Rm 013	20	20	1	9	0.50	5
9	Spare	20	20	1			0		10	Overhead Door Operator	20	20	1	9	1.00	9
11	Lights Rm 014	20	20	1	10	1.00	10		12	Spare	20	20	1			0
13	Lights Rm's 012, 018 & 019	20	20	1	10	1.00	10		14	Spare	20	20	1			0
15	Lights Rm's 017 & 031	20	20	1	10	1.00	10		16	Spare	20	20	1			0
17	Lights Rm's 021, 022, 023, 024, 025 & 026	20	20	1	10	1.00	10		18	Lights Rm's 126 & 127	20	20	1	12	1.00	12
19	Lights Rm 027	20	20	1	10	1.00	10		20	Lights Rm's 120 & 130	20	20	1	10	1.00	10
21	Lights Rm's 028 & 029	20	20	1	12	1.00	12		22	Lights Rm's 132, 133 & 134	20	20	1	10	1.00	10
23	Spare	20	20	1	10		0		24	Lights Rm's 128, & 130	20	20	1	10	1.00	10
25	Lights Rm's 225 & 226	2	20	1	10	1.00	10		26	Lights	20	20	1	10	1.00	10
27	Lights Rm's 227 & 228	20	20	1	10	1.00	10		28	Lights Stair 420	20	20	1	10	1.00	10
29	Lights Stair #2	20	20	1	10	1.00	10		30	Spare	20	20	1			0
31	Spare	20	20	1			0		32	Elevator Pit Light & Outlet	20	20	1	6	1.00	6
33	Lights Rm's 323, 325 & 326	20	20	1	10	1.00	10		34	Outlets Rm's 001, 002, 004 & 007	20	20	1	9	0.50	5
35	Lights Stair #1	20	20	1	10	1.00	10		36	EF-G	20	20	1	3	1.00	3
37	Liths Rm's 327 & 328	20	20	1	10	1.00	10		38	T B B	20	20	1	3	1.00	3
39	Radon Fan	20	20	1	10	1.00	10		40	Outlets	20	20	1	11	0.50	5
41	Outlets	20	20	1	6	0.50	3		42	Outlets	20	20	1	14	0.50	7

Electrical Room (025)

AF - Amp Frame (Breaker Size)
AT - Amp Trip (Breaker Size)
P - Poles (Per Breaker)
A - Amps
CA - Connected Amperes
DF - Demand Factor (1 - .1)
DA - Demand Amperes
MLO - Main Lug Only
MCB - Main Circuit Breaker

HP - SEC 1
Tot Amps/PH - Connected Load
Demand Factor
Total Amps/PH - Demand
Connected KVA
Demand KVA
Min. Panel Size (Demand x 1.25) - Amps
Panel Size (Demand x 1.56) - Amperes

107.79

89.49%

96.46

37.67

34.71

120.58

150.48

HPSEC - 1 & 2

Tot Amps/PH - Connected Load
Demand Factor
Total Amps/PH - Demand
Connected KVA
Demand KVA
Min. Panel Size (Demand x 1.25) - Amps
Panel Size (Demand x 1.56) - Amperes

234.79

82.36%

193.37

84.49

67.58

241.71

301.66

SEE SWITCHBOARD DATA FOR ELECTRONIC BREAKER SETTINGS

PANEL HP SECTION 2 120/208V 3PH 4W 400 AMP BUS - MCB 65K AIC NEMA TYPE 1 (SURFACE)																
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	
43	Outlets	20	20	1	15	0.50	8	44	Outlets	20	20	1	12	0.50	6	
45	Outlets	20	20	1	15	0.50	8	46	Outlets	20	20	1	15	0.50	8	
47	Outlets	20	2	1	9	0.50	5	48	Outlets	20	20	1	9	0.50	5	
49	Outlets Laundry	20	20	1	3	0.50	2	50	Outlet Rm 025	20	20	1	3	0.50	2	
51	Outlet Laundry	20	20	1	2	1.00	2	52	Outlet Rm 025	20	20	1	3	0.50	2	
53	Outlet Laundry	20	20	1	2	1.00	2	54	Outlet Rm 025	20	20	1	3	0.50	2	
55	Outlet Laundry	20	20	1	2	1.00	2	56	Outlet Laundry	20	20	1	2	1.00	2	
57	Outlet Laundry	20	20	1	2	1.00	2	58	Outlet Laundry	20	20	1	2	1.00	2	
59	Outlet Laundry	20	20	1	2	1.00	2	60	Outlet Laundry	20	20	1	2	1.00	2	
61	Outlets	20	20	1	15	0.50	8	62	Outlets	20	20	1	14	0.50	7	
63	Outlets	20	20	1	11	0.50	5	64	Outlets	20	20	1	8	0.50	4	
65	Outlets	20	20	1	12	0.50	6	66	Outlets	20	20	1	8	0.50	4	
67	Radon Fan	20	20	1	6	1.00	6	68	Outlets	20	20	1	2	0.50	1	
69	Outelt at ERV-2	20	20	1	12	0.50	6	70	Outlet at EVR-1	20	20	1	2	1.00	2	
71	Fire / Smoke Damper	20	20	1	4	1.00	4	72	HC LIFT	30	30	2	2	1.00	2	
73	Fire / Smoke Damper	20	20	1	4	1.00	4	74								
75	Fire / Smoke Damper	20	20	1	10	1.00	10	76	HC LIFT	30	30	1	2	1.00	2	
77	Fire / Smoke Damper	20	20	1	10	1.00	10	78	Spare	20	20	1			0	
79	Spare	20	20	1	1		0	80						53	0.96	51
81	Spare	20	20	1			0	82	BP	125	125	3		53	0.96	51
83	Spare	20	20	1			0	84						53	0.96	51

Electrical Room (025)

AF - Amp Frame
AT - Amp Trip
P - Poles
A - Amps
CA - Connected Amperes
DF - Demand Factor (1 - .1)
DA - Demand Amperes
MLO - Main Lug Only
MCB - Main Circuit Breaker

HP - SEC 2
Tot Amps/PH - Connected Load
Demand Factor
Total Amps/PH - Demand
Connected KVA
Demand KVA
Min. Panel Size (Demand x 1.25) - Amps
Panel Size (Demand x 1.56) - Amperes

126.99

76.31%

96.91

45.70

34.87

121.14

151.18

MOTOR LOADS - CB = FLA X 2.5 (nec max)
SIZE CBS AND OVERLOADS PER NAMEPLATE
DATA AND MFGR RECOMMENDATION.

SEE SWITCHBOARD DATA FOR ELECTRONIC BREAKER SETTINGS

PANEL HP2 SECTION 1 480/277V 3PH 4W 225 AMP BUS - MCB 42K AIC NEMA TYPE 1 (SURFACE)																	
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA		CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA	
1					5	1.00	5		2					5	1.00	5	
3	CP-3	20	20	3		5	1.00	5	4	CP-4	20	20	3		5	1.00	5
5					5	1.00	5		6					5	1.00	5	
7	Space						0		8	Space						0	
9					26	1.00	26		10					27	1.00	27	
11	EVR-1	35	35	3		26	1.00	26	12	ERV-2	35	35	3		27	1.00	27
13					26	1.00	26		14					27	1.00	27	
15	SPARE	20	20	1			0		16	SPARE	20	20	1			0	
17	SPARE	20	20	1					18	SPARE	20	20	1				
19	SPARE	20	20	1					20	SPARE	20	20	1				
21									22								
23									24								
25									26								
27									28								
29									30								
31									32								
33							0		34							0	
35							0		36							0	
37							0		38							0	
39							0		40							0	

Electrical Room (025)

AF - Amp Frame (Breaker Size)
AT - Amp Trip (Breaker Size)
P - Poles (Per Breaker)
A - Amps
CA - Connected Amperes
DF - Demand Factor (1 - .1)
DA - Demand Amperes
MLO - Main Lug Only
MCB - Main Circuit Breaker

HP2
Tot Amps/PH - Connected Load
Demand Factor
Total Amps/PH - Demand
Connected KVA
Demand KVA
Min. Panel Size (Demand x 1.25) - Amps
Panel Size (Demand x 1.56) - Amperes

62.00

100.00%

62.00

21.67

22.31

77.50

96.72

SEE SWITCHBOARD DATA FOR ELECTRONIC BREAKER SETTINGS

PANEL BP SECTION 1 120/208 3PH 4W 125 AMP BUS - MLO 22K AIC NEMA TYPE 1 (SURFACE)																
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA		CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
1	B-1	20	20	1	8	1.00	8		2	B-2	20	20	1	8	1.00	8
3	CP-1A	20	20	1	5	1.00	5		4	CP-2A	20	20	1	5	1.00	5
5	HC DOOR PUSHPAD	20	20	1		1.00	0		6	HC DOOR PUSHPAD						0
7	CP-1B	20	20	1	4	1.00	4		8	CP-2B	20	20	1	4	1.00	4
9	CP-6	20	20	1	2	1.00	2		10	HC DOOR PUSHPAD	20	20	1		1.00	0
11	CP-8	20	20	1	2	1.00	2		12	CP-7	20	20	1	2	1.00	2
13	HC DOOR PUSHPAD	20	20	1		1.00	0		14						1.00	0
15						1.00	0		16						1.00	0
17	CP-5	20	20	1	9	1.00	9		18	T M V	20	20	1	3	1.00	3
19	HC DOOR PUSHPAD	20	20	1		1.00	0		20	Space						0
21	Outlets Mechanical Rm	20	20	1	12	0.50	6		22	Space						0
23	Heat Trace Panel	20	20	1	4	1.00	4		24	T C P	20	20	1	2	1.00	2
25	EF-B	20	20	1	1	1.00	1		26	SF-B	20	20	1	2	1.00	2
27									28							
29	SCU-1	20	20	2	16	1.00	16		30	SAC-1	20	20	1	2	1.00	2
						16	1.00	16								
31	EF-1 (play area)	20	20	1	7	1.00	7		32	SITE LIGHTI NG (LC-A)	20	20	1	10	1.00	10
33	Photo Cell / Clock (LC-B)	20	20	1	3	1.00	3		34	SITE LIGHTI NG (LC-A)	20	20	1	10	1.00	10
35	Night Lights Garage (LC-B)	20	20	1	6	1.00	6		36	SITE LIGHTI NG (LC-A)	20	20	1	10	1.00	10
37	Garage Lights (LC-B)	20	20	1	6	1.00	6		38	Space						0
39	Space						0		40	Space						0
41	Space						0		42	Space						0