

PANEL HP1 SECTION 1 120/208 3PH 4W 225 AMP MLO 42K AIC NEMA TYPE 1 (SURFACE) W/FEED THRU LUGS															
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA
1	EXTERIOR BLDG MTD & ROOF LIGHTS	20	1	6	0.80	5	576	2	STARWELL LIGHTS	20	1	1	0.80	1	96
3	GARAGE LIGHTS	20	1	5	0.80	4	480	4	2ND & 3RD FL CORRIDOR LIGHTS	20	1	4	0.80	3	384
5	1ST FL LOBBY/CORRIDOR LIGHTS	20	1	8	0.80	6	768	6	4TH & 5TH FL CORRIDOR LIGHTS	20	1	15	0.80	12	1441
7	1ST FLOOR LIGHTS	20	1	5	0.80	4	480	8	8TH FL CORRIDOR LIGHTS	20	1	15	0.80	12	1441
9	MOTION DETECTORS	20	1	5	1.00	5	600	10	SAC-1C	15	2	3	1.00	3	281
11	1ST FLOOR RECEPTACLES	20	1	8	1.00	8	1001	12	SAC-1C	15	2	3	1.00	3	281
13	1ST FLOOR RECEPTACLES	20	1	8	1.00	8	1001	14	SAC-C2, SAC-C3, SAC-C4, SAC-C5 & SAC-C6	15	2	5	1.00	5	546
15	1ST FLOOR RECEPTACLES	20	1	12	1.00	12	1401	16	SAC-C2, SAC-C3, SAC-C4, SAC-C5 & SAC-C6	15	2	5	1.00	5	546
17	2ND FLOOR RECEPTACLES	20	1	7	1.00	7	801	18	SAC-C2, SAC-C3, SAC-C4, SAC-C5 & SAC-C6	15	2	5	1.00	5	546
19	3RD FLOOR RECEPTACLES	20	1	8	1.00	8	1001	20	SCU-C1	40	2	25	1.00	25	2600
21	4TH FLOOR RECEPTACLES	20	1	7	1.00	7	801	22	SCU-C	50	2	42	1.00	42	4368
23	5TH FLOOR RECEPTACLES	20	1	8	1.00	8	1001	24	SCU-C	50	2	42	1.00	42	4368
25	6TH FLOOR RECEPTACLES	20	1	7	1.00	7	801	26	EDC-1	20	2	10	1.00	10	998
27	MOTOR OPERATED DAMPERS	20	1	4	1.00	4	500	28	EDC-1	20	2	10	1.00	10	998
29	ROOFTOP RECEPTACLES	20	1	7	1.00	7	801	30	ROOFTOP RECEPTACLES	20	1	7	1.00	7	801

PANEL HP1 SECTION 2 120/208 3PH 4W 225 AMP MLO 42K AIC NEMA TYPE 1 (SURFACE)															
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA
31	WH1	20	2	10	1.00	10	1040	32	JH1	15	2	1	1.00	1	104
33	WH1	20	2	10	1.00	10	1040	34	EF-1/EF-2/SF-1	20	1	6	1.00	6	721
35	WH1	20	2	10	1.00	10	1040	36	WH3	20	1	13	1.00	13	1501
37	WH1	20	2	10	1.00	10	1040	40	WH2	20	2	10	1.00	10	1040
39	WH1	20	2	10	1.00	10	1040	42	WH2	20	2	10	1.00	10	1040
41	WH1	20	2	10	1.00	10	1040	44	WH2	20	2	10	1.00	10	1040
43	WH1	20	2	10	1.00	10	1040	46	WH2	20	2	10	1.00	10	1040
45	WH1	20	2	10	1.00	10	1040	48	WH2	20	2	10	1.00	10	1040
47	SPARE	20	1	1.00	0	0	0	50	SPARE	20	1	1.00	0	0	0
49	SPARE	20	1	1.00	0	0	0	52	SPARE	20	1	1.00	0	0	0
51	SPARE	20	1	1.00	0	0	0	54	SPARE	20	1	1.00	0	0	0
53	SPARE	20	1	1.00	0	0	0	56	SPARE	20	1	1.00	0	0	0
55	SPARE	20	1	1.00	0	0	0	58	SPARE	20	1	1.00	0	0	0
57	SPARE	20	1	1.00	0	0	0	60	SPARE	20	1	1.00	0	0	0
59	SPARE	20	1	1.00	0	0	0								

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

Panel Voltage
Total KVA
Tot Amps/PH
Min. Panel Size (Demand x 1.25) - Amps

208
48.67
135.10
168.88

LOCATION OF PANEL: ELECTRICAL ROOM

PANEL HP1 SECTION 1 120/208 3PH 4W 225 AMP MLO 42K AIC NEMA TYPE 1 (SURFACE) W/FEED THRU LUGS															
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA
1	EXTERIOR BLDG MTD & ROOF LIGHTS	20	1	6	0.80	5	576	2	STARWELL LIGHTS	20	1	1	0.80	1	96
3	GARAGE LIGHTS	20	1	5	0.80	4	480	4	2ND & 3RD FL CORRIDOR LIGHTS	20	1	4	0.80	3	384
5	1ST FL LOBBY/CORRIDOR LIGHTS	20	1	8	0.80	6	768	6	4TH & 5TH FL CORRIDOR LIGHTS	20	1	15	0.80	12	1441
7	1ST FLOOR LIGHTS	20	1	5	0.80	4	480	8	8TH FL CORRIDOR LIGHTS	20	1	15	0.80	12	1441
9	MOTION DETECTORS	20	1	5	1.00	5	600	10	SAC-1C	15	2	3	1.00	3	281
11	1ST FLOOR RECEPTACLES	20	1	8	1.00	8	1001	12	SAC-1C	15	2	3	1.00	3	281
13	1ST FLOOR RECEPTACLES	20	1	8	1.00	8	1001	14	SAC-C2, SAC-C3, SAC-C4, SAC-C5 & SAC-C6	15	2	5	1.00	5	546
15	1ST FLOOR RECEPTACLES	20	1	12	1.00	12	1401	16	SAC-C2, SAC-C3, SAC-C4, SAC-C5 & SAC-C6	15	2	5	1.00	5	546
17	2ND FLOOR RECEPTACLES	20	1	7	1.00	7	801	18	SCU-C1	40	2	25	1.00	25	2600
19	3RD FLOOR RECEPTACLES	20	1	8	1.00	8	1001	20	SCU-C1	40	2	25	1.00	25	2600
21	4TH FLOOR RECEPTACLES	20	1	7	1.00	7	801	22	SCU-C	50	2	42	1.00	42	4368
23	5TH FLOOR RECEPTACLES	20	1	8	1.00	8	1001	24	SCU-C	50	2	42	1.00	42	4368
25	6TH FLOOR RECEPTACLES	20	1	7	1.00	7	801	26	EDC-1	20	2	10	1.00	10	998
27	MOTOR OPERATED DAMPERS	20	1	4	1.00	4	500	28	EDC-1	20	2	10	1.00	10	998
29	ROOFTOP RECEPTACLES	20	1	7	1.00	7	801	30	ROOFTOP RECEPTACLES	20	1	7	1.00	7	801

PANEL HP1 SECTION 2 120/208 3PH 4W 225 AMP MLO 42K AIC NEMA TYPE 1 (SURFACE)															
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA
31	WH1	20	2	10	1.00	10	1040	32	JH1	15	2	1	1.00	1	104
33	WH2	20	2	10	1.00	10	1040	34	EF-1/EF-2/SF-1	20	1	6	1.00	6	721
35	WH2	20	2	10	1.00	10	1040	36	WH3	20	1	13	1.00	13	1501
37	WH1	20	2	10	1.00	10	1040	40	WH2	20	2	10	1.00	10	1040
39	WH1	20	2	10	1.00	10	1040	42	WH2	20	2	10	1.00	10	1040
41	WH1	20	2	10	1.00	10	1040	44	WH2	20	2	10	1.00	10	1040
43	WH2	20	2	10	1.00	10	1040	46	WH2	20	2	10	1.00	10	1040
45	WH2	20	2	10	1.00	10	1040	48	WH2	20	2	10	1.00	10	1040
47	SPARE	20	1	1.00	0	0	0	50	SPARE	20	1	1.00	0	0	0
49	SPARE	20	1	1.00	0	0	0	52	SPARE	20	1	1.00	0	0	0
51	SPARE	20	1	1.00	0	0	0	54	SPARE	20	1	1.00	0	0	0
53	SPARE	20	1	1.00	0	0	0	56	SPARE	20	1	1.00	0	0	0
55	SPARE	20	1	1.00	0	0	0	58	SPARE	20	1	1.00	0	0	0
57	SPARE	20	1	1.00	0	0	0	60	SPARE	20	1	1.00	0	0	0
59	SPARE	20	1	1.00	0	0	0								

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

Panel Voltage
Total KVA
Tot Amps/PH
Min. Panel Size (Demand x 1.25) - Amps

208
48.67
135.10
168.88

LOCATION OF PANEL: ELECTRICAL ROOM

PANEL RPA 120/208 3PH 4W 225 AMP MLO 42K AIC NEMA TYPE 1 (SURFACE) MLO															
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA
1	LIGHTS	20	1	4	0.80	3	480	2	RECEPTACLES	20	1	10	1.00	10	1201
3	MOTION DETECTORS	20	1	4	1.00	4	600	4	RECEPTACLES	20	1	10	1.00	10	1201
5	SAC-1A	15	2	8	1.00	8	853	6	RECEPTACLES	20	1	10	1.00	10	1201
7	MOTOR OPERATED DAMPERS	20	1	4	1.00	4	500	8	SCU-1A	80	3	60	1.00	60	7205
9	SPARE	20	1	0	0	0	0	10	SCU-1A	80	3	60	1.00	60	7205
11	SPARE	20	1	0	0	0	0	12	SPARE	20	1	0	0	0	0
13	SPARE	20	1	0	0	0	0	14	SPARE	20	1	0	0	0	0
15	SPARE	20	1	0	0	0	0	16	SPARE	20	1	0	0	0	0
17	BLANK (FUTURE USE)	20	1	0	0	0	0	18	BLANK (FUTURE USE)	20	1	0	0	0	0
19	BLANK (FUTURE USE)	20	1	0	0	0	0	20	BLANK (FUTURE USE)	20	1	0	0	0	0
21	BLANK (FUTURE USE)	20	1	0	0	0	0	22	BLANK (FUTURE USE)	20	1	0	0	0	0
23	BLANK (FUTURE USE)	20	1	0	0	0	0	24	BLANK (FUTURE USE)	20	1	0	0	0	0
25	BLANK (FUTURE USE)	20	1	0	0	0	0	26	BLANK (FUTURE USE)	20	1	0	0	0	0
27	BLANK (FUTURE USE)	20	1	0	0	0	0	28	BLANK (FUTURE USE)	20	1	0	0	0	0
29	BLANK (FUTURE USE)	20	1	0	0	0	0	30	BLANK (FUTURE USE)	20	1	0	0	0	0
31	BLANK (FUTURE USE)	20	1	0	0	0	0	32	BLANK (FUTURE USE)	20	1	0	0	0	0
33	BLANK (FUTURE USE)	20	1	0	0	0	0	34	BLANK (FUTURE USE)	20	1	0	0	0	0
35	BLANK (FUTURE USE)	20	1	0	0	0	0	36	BLANK (FUTURE USE)	20	1	0	0	0	0
37	BLANK (FUTURE USE)	20	1	0	0	0	0	38	BLANK (FUTURE USE)	20	1	0	0	0	0
39	BLANK (FUTURE USE)	20	1	0	0	0	0	40	BLANK (FUTURE USE)	20	1	0	0	0	0
41	BLANK (FUTURE USE)	20	1	0	0	0	0	42	BLANK (FUTURE USE)	20	1	0	0	0	0

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

Panel Voltage
Total KVA
Tot Amps/PH
Min. Panel Size (Demand x 1.25) - Amps

208
27.124
75.29
94.11

LOCATION OF PANEL: RETAIL SPACE A

PANEL RPB 120/208 3PH 4W 225 AMP MLO 42K AIC NEMA TYPE 1 (SURFACE) MLO															
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA
1	LIGHTS	20	1	4	0.80	3	400	2	RECEPTACLES	20	1	10	1.00	10	1201
3	MOTION DETECTORS	20	1	4	1.00	4	600	4	RECEPTACLES	20	1	10	1.00	10	1201
5	SAC-1B	15	2	8	1.00	8	853	6	RECEPTACLES	20	1	10	1.00	10	1201
7	MOTOR OPERATED DAMPERS	20	1	4	1.00	4	500	8	SCU-1B	80	3	60	1.00	60	7205
9	SPARE	20	1	0	0	0									