

A

B

C

D

E

Load Summary

Equipment Power - Existing MCC PHA3E (600A @480/277V, 3P, 4W)

	kVA	Amps
Existing Load	251	302
x 125%	63	75
Total Existing		377
Mechanical	99	119
Total		496

Normal Power - Existing Panel PLB (225Amp @ 208/120V, 3P, 4W)

	kVA	Amps
Existing Load	33.21	92
X 125%	8	23
Total Existing Load		115
Miscellaneous	12	14
Total		130

Equipment Power - Existing MCC MCCBE (600Amp @ 480/277V, 3P, 3W)

	kVA	Amps
Existing Load	214	257
X 125%	54	149
Total Existing Load		406
Deleted Mechanical	-69.00	-82.99
Added Mechanical	88	106
Total		429

Normal Power - Existing Switchboard HV-1 (1200A @12.47kV, 3P, 3W)

	kVA	Amps
Existing Load	7187	333
x 125%	1797	83
Total Existing		416
Elevator	146	7
Equipment	101	5
Lighting	137	6
Mechanical	892	41
Miscellaneous	54	3
Motors	277	13
Receptacles	134	6
X-ray	86	4
Total		584

Life Safety - Existing Panel 5L1EF (60Amp @ 208/120V, 3P, 4W)

	kVA	Amps
Existing Load	20	24
x 125%	5	6
Total Existing	25	30
No new load	0	0
Total	25	30

Normal Power - Existing Panel 5LF (100Amp @ 2080/120V, 3P, 4W)

	kVA	Amps
Existing Load	37	44
X 125%	9	11
Total Existing Load	46	55
No new load	0	0
Total	46	55

Normal Power - Unit Substation 1HUSSA (4,000Amp @ 480/277V, 3P, 4W)

	kVA	Amps
Elevator	146	175
Equipment	101	121
Lighting	137	207
Mechanical	892	1132
Miscellaneous	54	65
Motors	277	349
Receptacles	139	167
X-Ray	86	104
Total	1832	2321

Normal Power - Unit Substation 1HUSSB (4,000Amp @ 480/277V, 3P, 4W)

	kVA	Amps
Elevator	223	269
Equipment	192	231
Lighting	119	178
Mechanical	524	685
Miscellaneous	47	57
Motors	134	170
Receptacles	134	161
Total	1373	1751

Essential Power - Unit Substation 1HUSSE (4,000Amp @ 480/277V, 3P, 4W)

	kVA	Amps
Existing K-Wing	937.00	1127
x 125%	234.25	282
Fire Pump	82.60	99
Switchboard 5HDSE	1639	2270
Total	1639	3779

Essential Power - Switchboard 5HDSE (2,500Amp @ 480/277V, 3P, 4W)

	kVA	Amps
Switchboard 5HDS2EA	124	155
Switchboard 5HDS2EB	195	287
Switchboard 5HDS3EA	582	737
Switchboard 5HDS3EB	624	945
Panel 5H1E	64	86
Panel 5HDPXR	50	60
Total	1639	2270

Critical Power - Switchboard 5HDS2EA (800Amp @ 480/277V, 3P, 4W)

	kVA	Amps
Equipment	34	40
Lighting	22	33
Miscellaneous	5	6
Receptacles	63	76
Total	124	155

Critical Power - Switchboard 5HDS2EB (800Amp @ 480/277V, 3P, 4W)

	kVA	Amps
Elevator	2	2
Equipment	112	134
Lighting	27	85
Receptacles	55	66
Total	195	287

Equipment Power - Switchboard 5HDS3EA (1,200Amp @ 480/277V, 3P, 4W)

	kVA	Amps
Elevator	102	123
Equipment	20	24
Lighting	3	5
Mechanical	305	387
Miscellaneous	15	18
Motors	133	176
Receptacles	3	4
Total	582	737

Equipment Power - Switchboard 5HDS3EBA (1,200Amp @ 480/277V, 3P, 4W)

	kVA	Amps
Elevator	80	96
Equipment	6	7
Lighting	0	1
Mechanical	524	685
Miscellaneous	2	2
Motors	13	154
Total	624	945

