



### Electrical Room

Phase A: 10 A@240 v, 22.8 KW  
Phase B: 10 A@240 v, 24.7 KW  
Phase C: 69 A@240 v, 16.6 KW  
Neutral: 0 A@240 v  
64.1 KW or 46.2 KWH  
Peak Usage: 70.4KW  
Current Capacity: 13%

Normal Monthly Usage: 46,000 kWh  
Average Usage: 59kW or 22A @ 240V  
Peak Usage: 78.4KW

150 KW Generator  
480 v, 3 Phase  
150 KW, 312 A @ 480 v  
Current Capacity: 37%  
Peak Capacity: 55%

300 Gallon Tank



NOCO

Unregulated Power

Unregulated Power

Powerware 9315-80 UPS  
480 V, 3 Phase  
80KVA, 64 KW  
Current Capacity: 78%

UPS Output  
Phase A: 164 A@120 v, 20 KW  
Phase B: 137 A@120 v, 16 KW  
Phase C: 147 A@120 v, 18 KW  
Neutral: 64 A  
Total: 54 KW

### Utility Room

Phase B: 13 A@120 v, 0.9 KW  
Phase C: 14 A@120 v, 0.8 KW

Sub-Panel UPS-A-2  
240 V, 100 A  
Southeast Offices  
E1, E2, S1, S2, Recpt, S4,  
SA, SB  
Mens Restroom

Phase B: 8.0 A@120 v, 1.0 KW  
Phase C: 8.0 A@120 v, 1.0 KW

Sub-Panel UPS-A-6  
240 V, 100 A  
Central Offices  
S5-S8, CA-CC, SC  
West Counter

Phase B: 2.4 A@120 v, 0.3 KW  
Phase C: 2.0 A@120 v, 0.3 KW

Sub-Panel UPS-A-1  
240 V, 100 A  
Northeast Offices  
N1-N6, E3, NA  
Womens Restroom

East Entrance  
Sub-Panel 2C  
240 V, 100 A  
Note: Hallway Lights,  
Outside Lights, AC  
Compressors, etc.

East Kitchen  
Sub-Panel 2D  
240 V, 100 A  
Air Handlers, Kitchen,  
Attic Lights, Hall and  
Office lights, etc.

SouthEast Front Hall  
Sub-Panel 2E  
240 V, 100 A  
Outside Lights, Office  
Hallway Lights, etc.  
Mens Restroom

Panel 2U  
Square D:  
HCN14654M  
220 V, 3 Phase  
300 A@208 v,  
64 KW

Sub-Panel  
Summary

UPS-A-1: 1.2 KW  
UPS-A-2: 1.2 KW  
UPS-A-3: 0.0 KW  
UPS-A-4: 8.5 KW  
UPS-A-5: 7.4 KW  
UPS-A-6: 3.6 KW  
UPS-A-7: 4.0 KW  
UPS-A-8: 6.6 KW

Total: 42.5KW

Phase Summary  
A: 105A  
B: 125A  
C: 130A  
Total: 300A, 36KW

Breaker Count  
AB: 3  
BC: 3  
AC: 2

### Auxiliary Server Rooms

Phase A: 57 A@120 v, 6.8 KW  
Phase C: 19 A@120 v, 2.3 KW

Panel UPS-A-4  
240 V,  
38.5 KW, 175 A  
Utility Room

Phase A: 55 A@120 v, 6.6 KW  
Phase C: 19 A@120 v, 2.3 KW

Sub-Panel UPS-A-5  
240 V, 100A  
Aux Server Room A

### Main Server Room

Phase A: 10 A@120 v, 6.8 KW  
Phase C: 10 A@120 v, 2.3 KW

Panel UPS-B-2  
240 V,  
38.5 KW, 175 A  
Rows E-G

Phase A: 27 A@120 v, 6.8 KW  
Phase C: 27 A@120 v, 2.3 KW

Panel UPS-B-8  
240 V,  
38.5 KW, 175 A  
Rows A-C

	Phase A	Phase B	Phase C
Panel 1		5	5
Panel 2	11	6	
Panel 3	0		0
Panel 4	48		36
Panel 5		50	50
Panel 6		8	8
Panel 7	37	37	
Panel 8	0	0	
Totals	96	106	99