Branch Panel: 4MP

Location: MECH 115
Supply From: 500 kVA, 0 V/12000 V, Three...
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	PANEL 2P1A VIA TX1	175 A	3	37.0 35.5			3	175 A	PANEL 2P2A VIA TX2	2
3	--	--	--		32.6 28.2		--	--	--	4
5	--	--	--			31.9 32.4	--	--	--	6
7	PANEL 2P3A VIA TX3	175 A	3	1.4 kVA 13.2			3	90 A	ELEVATOR ELEVATOR ROOM 104	8
9	--	--	--		1.6 kVA 13.2		--	--	--	10
11	--	--	--			0.7 kVA 13.2	--	--	--	12
13	PANEL 4NP VIA ATSN	100 A	3	16.9 3.8 kVA			3	60 A	PANEL 4L2	14
15	--	--	--		16.5 5.0 kVA		--	--	--	16
17		--	--			11.3 0.0 kVA	--	--		18
19	PANEL 4L1	60 A	3	5.4 kVA 1.3 kVA			3	60 A	PANEL 4L3	20
21	--	--	--		1.1 kVA 0.0 kVA		--	--	--	22
23	--	--	--			3.4 kVA 0.0 kVA	--	--	--	24
25	PANEL 4EP VIA ATSE	60 A	3	6.6 kVA 14.2			3	60 A	AHU-2	26
27	--	--	--		5.5 kVA 14.2		--	--	--	28
29	--	--	--			3.1 kVA 14.2	--	--	--	30
31	VP-1	50 A	3	10.0 3.5 kVA			3	30 A	AIR COMPRESSOR AC-1	32
33	--	--	--		10.0 3.5 kVA		--	--	--	34
35	--	--	--			10.0 3.5 kVA	--	--	--	36
37	CHWP-1	30 A	3	1.9 kVA 4.7 kVA			3	20 A	AHU-3	38
39	--	--	--		1.9 kVA 4.7 kVA		--	--	--	40
41	--	--	--			1.9 kVA 4.7 kVA	--	--	--	42
43	CHWP-2	20 A	3	1.9 kVA						44
45	--	--	--		1.9 kVA 1.3 kVA		1	20 A	HVAC CORRIDOR 121	46
47	--	--	--			1.9 kVA 0.6 kVA	1	20 A	ATU 2-X	48
49	HWP-1	20 A	3	1.1 kVA 0.6 kVA			1	20 A	AHU 2-X	50
51	--	--	--		1.1 kVA 0.6 kVA		1	20 A	ATU 2-X	52
53	--	--	--			1.1 kVA 0.0 kVA	--	--	SPACE	54
55	HWP-2	20 A	3	1.1 kVA 0.0 kVA			--	--	SPACE	56
57	--	--	--		1.1 kVA 0.0 kVA		--	--	SPACE	58
59		--	--			1.1 kVA 0.0 kVA	--	--	SPACE	60
61	SPACE	--	--	0.0 kVA 0.0 kVA			--	--	SPACE	62
63	SPACE	--	--		0.0 kVA 0.0 kVA		--	--	SPACE	64
65	SPACE	--	--			0.0 kVA 0.0 kVA	--	--	SPACE	66
67	SPACE	--	--	0.0 kVA 0.0 kVA			--	--	SPACE	68
69	SPACE	--	--		0.0 kVA 0.0 kVA		--	--	SPACE	70
71	SPACE	--	--			0.0 kVA 0.0 kVA	--	--	SPACE	72
		Total Load:		158866 VA	140096 VA	130525 VA				
		Total Amps:		568 A	511 A	471 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
ELECTRIC DRYER	10000 VA	100.00%	10000 VA	
ELEVATOR	39600 VA	100.00%	39600 VA	Total Conn. Load: 426429 VA
Equipment	3000 VA	100.00%	3000 VA	Total Est. Demand: 331494 VA
HVAC	162065 VA	75.00%	76549 VA	Total Conn.: 513 A
LIGHTING	26484 VA	125.00%	33105 VA	Total Est. Demand: 399 A
Lighting - Exterior	312 VA	125.00%	390 VA	
Motor	71676 VA	110.46%	79176 VA	
Other	297 VA	100.00%	297 VA	
Power	4500 VA	100.00%	4500 VA	
RECEPTACLE	185420 VA	52.70%	97710 VA	

Notes:

Branch Panel: 4EP

Location: ELEC 113
Supply From: ATSE
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	2EP MINI POWERZONE	45 A	3	4 kVA 0 kVA			--	--	SPACE	2
3	--	--	--		3 kVA 0 kVA		--	--	SPACE	4
5		--	--			1 kVA 0 kVA	--	--	SPACE	6
7	LIGHTING Room EL-100, 100	20 A	1	1 kVA 1 kVA			1	20 A	EXTERIOR LIGHTING	8
9	LIGHTING Room 101	20 A	1		1 kVA 1 kVA		1	20 A	LIGHTING Room ST-101, 134	10
11	LIGHTING Room 200B, 272	20 A	1			1 kVA 1 kVA	1	20 A	LIGHTING Room 200A, 200B, ST-200	12
13	LIGHTING 3RD FLOOR EMERGENCY	20 A	1	0 kVA 1 kVA			1	20 A	LIGHTING Room 272, 271, 200A, ST-201	14
15	LIGHTING FRONT STAIRWELL	20 A	1		0 kVA 0 kVA		1	20 A	LIGHTING 3RD FLOOR EMERGENCY	16
17	LIGHTING	20 A	1			0 kVA 0 kVA	1	20 A	LIGHTING ST-2 ST-101	18
19	SPACE	--	--	0 kVA 0 kVA			--	--	SPACE	20
21	SPACE	--	--		0 kVA 0 kVA		--	--	SPACE	22
23	SPACE	--	--			0 kVA 0 kVA	--	--	SPACE	24
25	SPACE	--	--	0 kVA 0 kVA			--	--	SPACE	26
27	SPACE	--	--		0 kVA 0 kVA		--	--	SPACE	28
29	SPACE	--	--			0 kVA 0 kVA	--	--	SPACE	30
31	SPACE	--	--	0 kVA 0 kVA			--	--	SPACE	32
33	SPACE	--	--		0 kVA 0 kVA		--	--	SPACE	34
35	SPARE	20 A	1			0 kVA 0 kVA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 kVA 0 kVA			1	20 A	SPARE	38
39	SPARE	20 A	1		0 kVA 0 kVA		1	20 A	SPARE	40
41	SPARE	20 A	1			0 kVA 0 kVA	1	20 A	SPARE	42
		Total Load:		6639 VA	5486 VA	3077 VA				
		Total Amps:		25 A	21 A	11 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LIGHTING	6858 VA	125.00%	8573 VA	
Lighting - Exterior	144 VA	125.00%	180 VA	Total Conn. Load: [illegible] VA
Power	1000 VA	100.00%	1000 VA	Total Est. Demand: [illegible]
RECEPTACLE	7200 VA	100.00%	7200 VA	Total Conn.: 185 A
				Total Est. Demand: 20 A

Notes:

Branch Panel: 4NP

Location: ELEC 113
Supply From: ATSN
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	PANEL 2NP1 VIA TX1A	60 A	3	10 kVA 7 kVA			3	--	AHU-1	2
3	--	--	--		10 kVA 7 kVA		--	--	--	4
5		--	--			10 kVA 7 kVA	--	--		6
7	ATU 1-X	20 A	1	1 kVA 0 kVA			--	--	SPACE	8
9	SPACE	--	--		0 kVA 0 kVA		--	--	SPACE	10
11	SPACE	--	--			0 kVA 0 kVA	--	--	SPACE	12
13	SPACE	--	--	0 kVA 0 kVA			--	--	SPACE	14
15	SPACE	--	--		0 kVA 0 kVA		--	--	SPACE	16
17	SPACE	--	--			0 kVA 0 kVA	--	--	SPACE	18
19	SPACE	--	--	0 kVA 0 kVA			--	--	SPACE	20
21	SPACE	--	--		0 kVA 0 kVA		--	--	SPACE	22
23	SPACE	--	--			0 kVA 0 kVA	--	--	SPACE	24
25	SPACE	--	--	0 kVA 0 kVA			--	--	SPACE	26
27	SPACE	--	--		0 kVA 0 kVA		--	--	SPACE	28
29	SPACE	--	--			0 kVA 0 kVA	--	--	SPACE	30
31	SPACE	--	--	0 kVA 0 kVA			--	--	SPACE	32
33	SPACE	--	--		0 kVA 0 kVA		--	--	SPACE	34
35	SPARE	20 A	1			0 kVA 0 kVA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 kVA 0 kVA			1	20 A	SPARE	38
39	SPARE	20 A	1		0 kVA 0 kVA		1	20 A	SPARE	40
41	SPARE	20 A	1			0 kVA 0 kVA	1	20 A	SPARE	42
		Total Load:		16924 VA	16534 VA	11293 VA				
		Total Amps:		64 A	63 A	41 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Equipment	3000 VA	100.00%	3000 VA	
HVAC	28942 VA	75.00%	21707 VA	Total Conn. Load: 44743 VA
Motor	1000 VA	125.00%	1250 VA	Total Est. Demand: 37049 VA
Other	1500 VA	100.00%	1500 VA	Total Conn.: 54 A
RECEPTACLE	11740 VA	92.55%	10870 VA	Total Est. Demand: 45 A

Notes:

Branch Panel: 4L1

Location: MECH 115
Supply From: 4MP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	Lighting Room 116, 106, 108, 49, 104, 114, 102...	20 A	1	2.6 kVA 2.7 kVA			1	20 A	Lighting Room 107, 109, 105, 111	2
3	LIGHTING Room 119, 134, 117	20 A	1		1.1 kVA 0.1 kVA		1	20 A	ELEVATOR PIT LIGHTING	4
5	LIGHTING Room 112, 120, 122A, 122, 124, 126...	20 A	1			1.4 kVA 0.0 kVA	--	--	SPACE	6
7	SPACE	--	--	0.0 kVA 0.0 kVA			--	--	SPACE	8
9	SPACE	--	--		0.0 kVA 0.0 kVA		--	--	SPACE	10
11	SPACE	--	--			0.0 kVA 0.0 kVA	--	--	SPACE	12
13	SPACE	--	--	0.0 kVA 0.0 kVA			--	--	SPACE	14
15	SPACE	--	--		0.0 kVA 0.0 kVA		--	--	SPACE	16
17	SPARE	20 A	1			0.0 kVA 0.0 kVA	1	20 A	SPARE	18
19	SPARE	20 A	1	0.0 kVA 0.0 kVA			1	20 A	SPARE	20
21	SPARE	20 A	1		0.0 kVA 0.0 kVA		1	20 A	SPARE	22
23	SPARE	20 A	1			0.0 kVA 0.0 kVA	1	20 A	SPARE	24
		Total Load:		5396 VA	1149 VA	3407 VA				
		Total Amps:		21 A	4 A	14 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LIGHTING	9685 VA	125.00%	12106 VA	
Lighting - Exterior	168 VA	125.00%	210 VA	Total Conn. Load: 16652 VA
Other	99 VA	100.00%	99 VA	Total Est. Demand: 12415 VA
				Total Conn.: [illegible] A
				Total Est. Demand: [illegible] A

Notes:

Branch Panel: 4L2

Location: MECHANICAL 215
Supply From: 4MP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	Lighting Room 202, 211-2	20 A	1	2.1 kVA 1.7 kVA			1	20 A	Room 232, 234, 238, 201, 207, 215, 200	2
3	Lighting Room 206, 208, 264, 260, 258, 256	20 A	1		3.3 kVA 1.7 kVA		1	20 A	Lighting Room 242, 244, 217, 219, 268, 266	4
5	SPACE	--	--			0.0 kVA 0.0 kVA	--	--	SPACE	6
7	SPACE	--	--	0.0 kVA 0.0 kVA			--	--	SPACE	8
9	SPACE	--	--		0.0 kVA 0.0 kVA		--	--	SPACE	10
11	SPACE	--	--			0.0 kVA 0.0 kVA	--	--	SPACE	12
13	SPACE	--	--	0.0 kVA 0.0 kVA			--	--	SPACE	14
15	SPACE	--	--		0.0 kVA 0.0 kVA		--	--	SPACE	16
17	SPARE	20 A	1			0.0 kVA 0.0 kVA	1	20 A	SPARE	18
19	SPARE	20 A	1	0.0 kVA 0.0 kVA			1	20 A	SPARE	20
21	SPARE	20 A	1		0.0 kVA 0.0 kVA		1	20 A	SPARE	22
23	SPARE	20 A	1			0.0 kVA 0.0 kVA	1	20 A	SPARE	24
		Total Load:		3784 VA	5021 VA	0 VA				
		Total Amps:		16 A	20 A	0 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LIGHTING	8705 VA	125.00%	10881 VA	
Other	99 VA	100.00%	99 VA	Total Conn. Load: 8804 VA
				Total Est. Demand: 10980 VA
				Total Conn.: 11 A
				Total Est. Demand: 13 A

Notes:

Branch Panel: 4L3

Location: FUTURE
Supply From: 4MP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	Room 305-1	20 A	1	1.3 kVA 0.0 kVA			--	--	SPACE	2
3	SPACE	--	--		0.0 kVA 0.0 kVA		--	--	SPACE	4
5	SPACE	--	--			0.0 kVA 0.0 kVA	--	--	SPACE	6
7	SPACE	--	--	0.0 kVA 0.0 kVA			--	--	SPACE	8
9	SPACE	--	--		0.0 kVA 0.0 kVA		--	--	SPACE	10
11	SPACE	--	--			0.0 kVA 0.0 kVA	--	--	SPACE	12
13	SPACE	--	--	0.0 kVA 0.0 kVA			--	--	SPACE	14
15	SPACE	--	--		0.0 kVA 0.0 kVA		--	--	SPACE	16
17	SPARE	20 A	1			0.0 kVA 0.0 kVA	1	20 A	SPARE	18
19	SPARE	20 A	1	0.0 kVA 0.0 kVA			1	20 A	SPARE	20
21	SPARE	20 A	1		0.0 kVA 0.0 kVA		1	20 A	SPARE	22
23	SPARE	20 A	1			0.0 kVA 0.0 kVA	1	20 A	SPARE	24
		Total Load:		1335 VA	0 VA	0 VA				
		Total Amps:		5 A	0 A	0 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LIGHTING	1236 VA	125.00%	1545 VA	
Other	99 VA	100.00%	99 VA	Total Conn. Load: 1335 VA
				Total Est. Demand: 1644 VA
				Total Conn.: 2 A
				Total Est. Demand: 2 A

Notes:

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