PANELBOARD R1

Location:
Enclosure: NEMA 1
Mounting: Surface
Supply From: RDP
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 42000
Main Type: MLO
Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	Receptacle	20 A	1	0.9			0.7			1	20 A	Receptacle	2
3	Receptacle	20 A	1		0.5			1.4		1	20 A	Receptacle	4
5	Receptacle	20 A	1			0.7			0.7	1	20 A	Receptacle	6
7	Receptacle	20 A	1	0.4			1.3			1	20 A	Receptacle	8
9	Receptacle	20 A	1		0.7			0.9		1	20 A	Receptacle	10
11	*RECEPTACLE	20 A	1			1.3			0.7	1	20 A	Receptacle Room 373	12
13	Receptacle	20 A	1	0.7			0.9			1	20 A	Receptacle	14
15	Receptacle	20 A	1		0.9			0.7		1	20 A	Receptacle	16
17	**HAND DRYER	20 A	1			1.5			1	1	20 A	*MICROWAVE	18
19	**WATER CLOSET LEVEL-1 AREA-D	20 A	1	0.1			0			1	20 A	**BOILERS	20
21	**BOILER PUMP 1	20 A	1		1.9			0.2		1	20 A	**MOTORIZED B-BALL GOAL	22
23	**MOTORIZED B-BALL GOAL	20 A	1			0.2			0.1	1	20 A	**WATER SOFTENER	24
25	SPARE	20 A	1	0			0.1			1	20 A	**PROJECTOR SCREEN	26
27	SPARE	20 A	1		0			0.4		1	20 A	PROJECTOR	28
29	*EMC	20 A	1			0.2			0.5	1	20 A	Receptacle	30
31	**AV RACK	20 A	1	1.9			1.9			1	20 A	**BOILER PUMP 2	32
33	**P-1	20 A	1		0.8			0.1		2	20 A	**Abu Control Panel	34
35	**P-2	20 A	1			0.1			0	--	--	--	36
37	**WATER HEATERS	20 A	1	0.2			0.7			3	20 A	**OPERABLE PARTITION	38
39	**AIR COMPRESSOR	20 A	1		0.5			0.7		--	--	--	40
41	**AV RACK	20 A	1			1.9			0.7	--	--	--	42
43	**AV RACK	20 A	1	1.9			0			1	20 A	SPARE	44
45	**AV RACK	20 A	1		1.9			0		1	20 A	SPARE	46
47	**AV RACK	20 A	1			1.9			0	1	20 A	SPARE	48
49	Receptacle	20 A	1	0.4			0			1	20 A	SPARE	50
51	Receptacle	20 A	1		0.7			0		1	20 A	SPARE	52
53	SPARE	20 A	1			0			0	1	20 A	SPARE	54
55	SPARE	20 A	1	0			0			1	20 A	SPARE	56
57	SPARE	20 A	1		0			0		1	20 A	SPARE	58
59	SPARE	20 A	1			0			0	1	20 A	SPARE	60
61	Receptacle	20 A	1	0.4			0			1	20 A	SPARE	62
63								0		1	20 A	SPARE	64
65	SPARE	20 A	1			0			0	1	20 A	SPARE	66
67	SPARE	20 A	1	0			0			1	20 A	SPARE	68
69	SPARE	20 A	1		0			0		1	20 A	SPARE	70
71	SPARE	20 A	1			0			0	1	20 A	SPARE	72
73	SPARE	20 A	1	0			0			1	20 A	SPARE	74
75	SPARE	20 A	1		0			0		1	20 A	SPARE	76
77	SPARE	20 A	1			0			0	1	20 A	SPARE	78
79	SPARE	20 A	1	0			0			1	20 A	SPARE	80
81	SPARE	20 A	1		0			0		1	20 A	SPARE	82
83	SPARE	20 A	1			0			0	1	20 A	SPARE	84
		Total Load:		12.3 kVA			12.4 kVA			11.5 kVA			
		Total Amps:		104 A			104 A			96 A			

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Existing Load	0.0 kVA	0.00%	0.0 kVA		
General	19.1 kVA	100.00%	19.1 kVA		
HVAC	0.0 kVA	0.00%	0.0 kVA		
Lighting	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load:	36.1 kVA
Lighting - Exterior	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	32.6 kVA
Motor	0.0 kVA	0.00%	0.0 kVA	Total Conn.:	109 A
Other	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	91 A
Receptacle	17.0 kVA	79.39%	13.5 kVA		
Spare	0.0 kVA	0.00%	0.0 kVA		

Notes:

Legend:
*PROVIDE GFCI CIRCUIT BREAKER
**PROVIDE CT TO MONITOR GENERAL LOAD CIRCUIT SEPARATELY

PANELBOARD P1

Location:
Enclosure: NEMA 1
Mounting: Surface
Supply From: PDP
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 35000
Main Type: MLO
Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	AHU-1	15 A	3	1.4				0.3		3	15 A	AHU-2	2
3	--	--	--		1.4				0.3	--	--	--	4
5	--	--	--			1.4			0.3	--	--	--	6
7	AHU-3	15 A	3	2			4			1	20 A	UH-1 LEVEL-1 AREA-D	8
9	--	--	--		2			6.7		3	50 A	AHU-4	10
11	--	--	--			2			6.7	--	--	--	12
13	AHU-5	50 A	3	6.3			6.7			--	--	--	14
15	--	--	--		6.3			0.6		1	20 A	FC-3	16
17	--	--	--			6.3			0.6	1	20 A	FC-2	18
19	PCHWP-1	20 A	3	3			3			3	20 A	PCHWP-2	20
21	--	--	--		3			3		--	--	--	22
23	--	--	--			3			3	--	--	--	24
25	PHWP-1	20 A	3	0.8			0.8			3	20 A	PHWP-2	26
27	--	--	--		0.8			0.8		--	--	--	28
29	--	--	--			0.8	0.8			--	--	--	30
31	SHWP-2	20 A	3	3			3			3	20 A	SHWP-1	32
33	--	--	--		3			3		--	--	--	34
35	--	--	--			3	3			--	--	--	36
37	SPARE	20 A	1	0			0			1	20 A	SPARE	38
39	SPARE	20 A	1		0			0		1	20 A	SPARE	40
41	SPARE	20 A	1			0			0	1	20 A	SPARE	42
		Total Load:		34.5 kVA			31.1 kVA			31.1 kVA			
		Total Amps:		125 A			112 A			112 A			

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Existing Load	0.0 kVA	0.00%	0.0 kVA		
General	0.0 kVA	0.00%	0.0 kVA		
HVAC	85.2 kVA	100.00%	85.2 kVA		
Lighting	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load:	96.7 kVA
Lighting - Exterior	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	96.7 kVA
Motor	41.5 kVA	100.00%	41.5 kVA	Total Conn.:	116 A
Other	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	116 A
Receptacle	0.0 kVA	0.00%	0.0 kVA		
Spare	0.0 kVA	0.00%	0.0 kVA		

Notes:

Legend:

PANELBOARD L1

Location:
Enclosure: NEMA 1
Mounting: Surface
Supply From: LDP
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 35000
Main Type: MLO
Rating: 125 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	Lighting	20 A	1	2.5			1.5			1	20 A	**PARKING LOT LIGHTS	2
3	Gymnasium Lighting	20 A	1		1.5			0		1	20 A	**Lighting - Exterior	4
5	**Site Lighting	20 A	1			0			0	1	20 A	Lighting	6
7	RELAY PANEL 'RP1'	20 A	1	0			0			1	20 A	**Site Lighting	8
9	EXIT SIGNS	20 A	1		0.1			0		1	20 A	SPARE	10
11	**Lighting - CHILLER YARD	20 A	1			0			0	1	20 A	SPARE	12
13	Stage Lighting	20 A	1	0.3			0			1	20 A	SPARE	14
15	SPARE	20 A	1		0			0		1	20 A	SPARE	16
17	SPARE	20 A	1			0			0	1	20 A	SPARE	18
19	SPARE	20 A	1	0			0			1	20 A	SPARE	20
21	SPARE	20 A	1		0			0		1	20 A	SPARE	22
23	SPARE	20 A	1			0			0	1	20 A	SPARE	24
25	SPARE	20 A	1	0			0			1	20 A	SPARE	26
27	SPARE	20 A	1		0			0		1	20 A	SPARE	28
29	SPARE	20 A	1			0			0	1	20 A	SPARE	30
		Total Load:		4.2 kVA			1.6 kVA			0.0 kVA			
		Total Amps:		16 A			7 A			0 A			

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Existing Load	0.0 kVA	0.00%	0.0 kVA		
General	0.0 kVA	0.00%	0.0 kVA		
HVAC	0.0 kVA	0.00%	0.0 kVA		
Lighting	4.4 kVA	100.00%	4.4 kVA	Total Conn. Load:	5.6 kVA
Lighting - Exterior	1.5 kVA	125.00%	1.8 kVA	Total Est. Demand:	6.2 kVA
Motor	0.0 kVA	0.00%	0.0 kVA	Total Conn.:	7 A
Other	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	7 A
Receptacle	0.0 kVA	0.00%	0.0 kVA		
Spare	0.0 kVA	0.00%	0.0 kVA		

Notes:

Legend:
**PROVIDE A CT TO MONITOR EXTERIOR LIGHTING CIRCUIT SEPARATELY

PANELBOARD R1A

Location:
Enclosure: NEMA 1
Mounting: Surface
Supply From: RDP
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 25000
Main Type: MLO
Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	Receptacle	20 A	1	1.1			0.9			1	20 A	Receptacle	2
3	Receptacle	20 A	1		0.7			1.1		1	20 A	Receptacle	4
5	Receptacle	20 A	1			0.9			1.1	1	20 A	Receptacle	6
7	Receptacle	20 A	1	1.1			0.9			1	20 A	Receptacle	8
9	Receptacle	20 A	1		0.9			0.7		1	20 A	Receptacle	10
11	Receptacle	20 A	1			0.9			0.9	1	20 A	Receptacle	12
13	Receptacle	20 A	1	0.9			0.9			1	20 A	Receptacle	14
15	Receptacle	20 A	1		0.4			0.9		1	20 A	Receptacle	16
17	Receptacle	20 A	1			0.7			0.7	1	20 A	Receptacle	18
19	Receptacle	20 A	1	0.9			0.9			1	20 A	Receptacle	20
21	Receptacle	20 A	1		0.5			0.4		1	20 A	Receptacle	22
23	*EMC	20 A	1			0.2			1.1	1	20 A	Receptacle	24
25	EF-12	20 A	1	0.3			0.9			1	20 A	Receptacle	26
27	**OVER HEAD LIFT LEVEL-1 AREA-A	20 A	1		0.1			1.5		1	20 A	**WATER CLOSET LEVEL-1 AREA-A	28
29	**EF-6 LEVEL-2 AREA-A	20 A	1			0.5			0.1	2	20 A	DRYER	30
31	*REFRIDGE	20 A	1	0.2			0.1			--	--	--	32
33	Receptacle	20 A	1		0.4			0		1	20 A	SPARE	34
35	PRINTER	20 A	1			1			0	1	20 A	SPARE	36
37	*WATER DISP	20 A	1	0.2			0			1	20 A	SPARE	38
39	PRINTER	20 A	1		0.2			0		1	20 A	SPARE	40
41	**HAND DRYER	20 A	1			1.5			0	1	20 A	SPARE	42
43	**HAND DRYER	20 A	1	1.5			0			1	20 A	SPARE	44
45	*MICROWAVE	20 A	1		1			0		1	20 A	SPARE	46
47	*REFRIDGE	20 A	1			0.2			0	1	20 A	SPARE	48
49	Site Receptacles	20 A	1	0.5			0			1	20 A	SPARE	50
51	Site Receptacles	20 A	1		0.5			0		1	20 A	SPARE	52
53	Receptacle	20 A	1			0.7			0	1	20 A	SPARE	54
55	WASHER	20 A	1	0.2			0			1	20 A	SPARE	56
57	Receptacle	20 A	1		1.4			0		1	20 A	SPARE	58
59	Receptacle	20 A	1			0.9			0	1	20 A	SPARE	60
61	SPARE	20 A	1	0			0			1	20 A	SPARE	62
63	SPARE	20 A	1		0			0		1	20 A	SPARE	64
65	SPARE	20 A	1			0			0	1	20 A	SPARE	66
67	SPARE	20 A	1	0			0			1	20 A	SPARE	68
69	SPARE	20 A	1		0			0		1	20 A	SPARE	70
71	SPARE	20 A	1			0			0	1	20 A	SPARE	72
73	SPARE	20 A	1	0			0			1	20 A	SPARE	74
75	SPARE	20 A	1		0			0		1	20 A	SPARE	76
77	SPARE	20 A	1			0			0	1	20 A	SPARE	78
79	SPARE	20 A	1	0			0			1	20 A	SPARE	80
81	SPARE	20 A	1		0			0		1	20 A	SPARE	82
83	SPARE	20 A	1			0			0	1	20 A	SPARE	84
		Total Load:		11.4 kVA			10.7 kVA			11.4 kVA			
		Total Amps:		96 A			89 A			96 A			

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Existing Load	0.0 kVA	0.00%	0.0 kVA		
General	4.8 kVA	100.00%	4.8 kVA		
HVAC	0.8 kVA	100.00%	0.8 kVA		
Lighting	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load:	33.5 kVA
Lighting - Exterior	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	24.5 kVA
Motor	0.0 kVA	0.00%	0.0 kVA	Total Conn.:	93 A
Other	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	68 A
Receptacle	27.9 kVA	67.91%	19.0 kVA		
Spare	0.0 kVA	0.00%	0.0 kVA		

Notes:

Legend:
*PROVIDE GFCI CIRCUIT BREAKER
**PROVIDE CT TO MONITOR GENERAL LOAD CIRCUIT SEPARATELY

PANELBOARD P1A

Location:
Enclosure: NEMA 1
Mounting: Surface
Supply From: PDP
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 18000
Main Type: MLO
Rating: 125 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	VAV'S LEVEL-1 AREA-A	20 A	1	0.8			0			1	20 A	SPARE	2
3	SPARE	20 A	1		0			0		1	20 A	SPARE	4
5	SPARE	20 A	1			0			0	1	20 A	SPARE	6
7	SPARE	20 A	1	0			0			1	20 A	SPARE	8
9	SPARE	20 A	1		0			0		1	20 A	SPARE	10
11	SPARE	20 A	1			0			0	1	20 A	SPARE	12
13	SPARE	20 A	1	0			0			1	20 A	SPARE	14
15	SPARE	20 A	1		0			0		1	20 A	SPARE	16
17	SPARE	20 A	1			0			0	1	20 A	SPARE	18
19	SPARE	20 A	1	0			0			1	20 A	SPARE	20
21	SPARE	20 A	1		0			0		1	20 A	SPARE	22
23	SPARE	20 A	1			0			0	1	20 A	SPARE	24
25	SPARE	20 A	1	0			0			1	20 A	SPARE	26
27	SPARE	20 A	1		0			0		1	20 A	SPARE	28
29	SPARE	20 A	1			0			0	1	20 A	SPARE	30
		Total Load:		0.8 kVA			0.0 kVA			0.0 kVA			
		Total Amps:		3 A			0 A			0 A			

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Existing Load	0.0 kVA	0.00%	0.0 kVA		
General	0.0 kVA	0.00%	0.0 kVA		
HVAC	0.8 kVA	100.00%	0.8 kVA		
Lighting	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load:	0.8 kVA
Lighting - Exterior	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	0.8 kVA
Motor	0.0 kVA	0.00%	0.0 kVA	Total Conn.:	1 A
Other	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	1 A
Receptacle	0.0 kVA	0.00%	0.0 kVA		
Spare	0.0 kVA	0.00%	0.0 kVA		

Notes:

Legend:

PANELBOARD L1A

Location:
Enclosure: NEMA 1
Mounting: Surface
Supply From: LDP
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 18000
Main Type: MLO
Rating: 125 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	Lighting	20 A	1	3.3			1			1	20 A	Lighting	2
3	Lighting	20 A	1		1.2			0		1	20 A	SPARE	4
5	EXIT SIGNS	20 A	1			0.1			0	1	20 A	SPARE	6
7	Lighting	20 A	1	0.1			0			1	20 A	SPARE	8
9	SPARE	20 A	1		0			0		1	20 A	SPARE	10
11	SPARE	20 A	1			0			0	1	20 A	SPARE	12
13	SPARE	20 A	1	0			0			1	20 A	SPARE	14
15	SPARE	20 A	1		0			0		1	20 A	SPARE	16
17	SPARE	20 A	1			0			0	1	20 A	SPARE	18
19	SPARE	20 A	1	0			0			1	20 A	SPARE	20
21	SPARE	20 A	1		0			0		1	20 A	SPARE	22
23	SPARE	20 A	1			0			0	1	20 A	SPARE	24
25	SPARE	20 A	1	0			0			1	20 A	SPARE	26
27	SPARE	20 A	1		0			0		1	20 A	SPARE	28
29	SPARE	20 A	1			0			0	1	20 A	SPARE	30
		Total Load:		4.4 kVA			1.2 kVA			0.1 kVA			
		Total Amps:		17 A			5 A			0 A			

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Existing Load	0.0 kVA	0.00%	0.0 kVA		
General	0.0 kVA	0.00%	0.0 kVA		
HVAC	0.0 kVA	0.00%	0.0 kVA		
Lighting	5.7 kVA	100.00%	5.7 kVA	Total Conn. Load:	5.7 kVA
Lighting - Exterior	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	5.7 kVA
Motor	0.0 kVA	0.00%	0.0 kVA	Total Conn.:	7 A
Other	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand:	7 A
Receptacle	0.0 kVA	0.00%	0.0 kVA		
Spare	0.0 kVA	0.00%	0.0 kVA		

Notes:

Legend:

SHEET TITLE
ELECTRICAL SCHEDULES

SHEET NUMBER
E6.12