

# PANELBOARD R1

Location: NEHA 1  
Enclosure: Surface  
Mounting: Surface  
Supply From: RDP

Volts: 120/208 Wye  
Phases: 3  
Wires: 4  
A.L.C. Rating: 42000  
Main Type: HLO  
Rating: 225 A

Ckt	Circuit Description	Tripp	Poles	A	B	C	A	B	C	Poles	Tripp	Circuit Description	Ckt	
1	Receptacle	20 A	1	0.9			0.7			1	20 A	Receptacle	2	
3	Receptacle	20 A	1			0.5	0.7			1	20 A	Receptacle	4	
5	Receptacle	20 A	1						0.7	1	20 A	Receptacle	6	
7	Receptacle	20 A	1	0.4			0.7			1	20 A	Receptacle	8	
9	Receptacle	20 A	1			0.7	1.3			0.9	1	20 A	Receptacle	10
11	Receptacle	20 A	1			0.9			0.7	1	20 A	Receptacle Room 373	12	
13	Receptacle	20 A	1	0.7			0.9		0.7	1	20 A	Receptacle	14	
15	Receptacle	20 A	1			1.3				1	20 A	Receptacle	16	
17	Receptacle	20 A	1			1.5			1	1	20 A	Receptacle	18	
19	Receptacle	20 A	1	6.1							1	20 A	Receptacle	20
21	***WATER COLD LEVEL-1 AREA-D	20 A	1			1.9			0.2		1	20 A	Receptacle	22
23	***MOTORIZED B-MALL GOAL	20 A	1						0.1	0.1	1	20 A	Receptacle	24
25	Receptacle	20 A	0			0			0.1	0.4	1	20 A	Receptacle	26
27	SPARE	20 A	1			0.2					1	20 A	Receptacle	28
29	Receptacle	20 A	1			0.8			0.5	0.5	1	20 A	Receptacle	30
31	***PUMP	20 A	1	1.9			1.9				1	20 A	Receptacle	32
33	Receptacle	20 A	1			0.2			0.1	2	20 A	Receptacle	34	
35	Receptacle	20 A	1			0.2			0.1	2	20 A	Receptacle	36	
37	Receptacle	20 A	1			0.2			0.1	2	20 A	Receptacle	38	
39	Receptacle	20 A	1			0.2			0.1	2	20 A	Receptacle	40	
41	Receptacle	20 A	1			0.2			0.1	2	20 A	Receptacle	42	
43	Receptacle	20 A	1			0.5			0.7	--	--	--	44	
45	Receptacle	20 A	1			0.5			0.7	--	--	--	46	
47	Receptacle	20 A	1			1.9			0	0.7	--	--	48	
49	Receptacle	20 A	1			1.9			0	1	20 A	Receptacle	50	
51	Receptacle	20 A	1			1.9			0	1	20 A	Receptacle	52	
53	Receptacle	20 A	1	0.4			0		0	1	20 A	Receptacle	54	
55	Receptacle	20 A	1	0.7			0		0	1	20 A	Receptacle	56	
57	Receptacle	20 A	1			0			0	1	20 A	Receptacle	58	
59	Receptacle	20 A	1			0			0	1	20 A	Receptacle	60	
61	Receptacle	20 A	1	0			0		0	1	20 A	Receptacle	62	
63	Receptacle	20 A	1	0.4			0		0	1	20 A	Receptacle	64	
65	Receptacle	20 A	1				0		0	1	20 A	Receptacle	66	
67	Receptacle	20 A	1				0		0	1	20 A	Receptacle	68	
69	Receptacle	20 A	1				0		0	1	20 A	Receptacle	70	
71	Receptacle	20 A	1				0		0	1	20 A	Receptacle	72	
73	Receptacle	20 A	1				0		0	1	20 A	Receptacle	74	
75	Receptacle	20 A	1				0		0	1	20 A	Receptacle	76	
77	Receptacle	20 A	1				0		0	1	20 A	Receptacle	78	
79	Receptacle	20 A	1				0		0	1	20 A	Receptacle	80	
81	Receptacle	20 A	1				0		0	1	20 A	Receptacle	82	
83	Receptacle	20 A	1				0		0	1	20 A	Receptacle	84	
85	Receptacle	20 A	1				0		0	1	20 A	Receptacle	86	
87	Receptacle	20 A	1				0		0	1	20 A	Receptacle	88	
89	Receptacle	20 A	1				0		0	1	20 A	Receptacle	90	
91	Receptacle	20 A	1				0		0	1	20 A	Receptacle	92	
93	Receptacle	20 A	1				0		0	1	20 A	Receptacle	94	
95	Receptacle	20 A	1				0		0	1	20 A	Receptacle	96	
97	Receptacle	20 A	1				0		0	1	20 A	Receptacle	98	
99	Receptacle	20 A	1				0		0	1	20 A	Receptacle	100	

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals
Feeding 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	
Lighting - Exterior	0.0 kVA	0.00%	0.0 kVA	
Motor	0.0 kVA	0.00%	0.0 kVA	
Other	0.0 kVA	0.00%	0.0 kVA	
Receptacle	17.9 kVA	100.00%	17.9 kVA	
Spurs	0.0 kVA	0.00%	0.0 kVA	
<b>Total Load:</b>	<b>19.1 kVA</b>		<b>19.1 kVA</b>	
<b>Total Amps:</b>	<b>191 A</b>		<b>191 A</b>	

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

# PANELBOARD P1

Location: NEHA 1  
Enclosure: Surface  
Mounting: Surface  
Supply From: RDP

Volts: 480/277 Wye  
Phases: 3  
Wires: 4  
A.L.C. Rating: 30000  
Main Type: HLO  
Rating: 125 A

Ckt	Circuit Description	Tripp	Poles	A	B	C	A	B	C	Poles	Tripp	Circuit Description
1	AHJ-1	15 A	3	1.4			0.3			3	15 A	AHJ-2
3	--	--	--	1.4						--	--	--
5	--	--	--				0.3			--	--	--
7	AHJ-3	15 A	3	2			4			1	20 A	UH-1 LEM-1 AREA-D
9	--	--	--	2			6.7			3	30 A	AHJ-4
11	--	--	--							6.7	--	--
13	AHJ-5	30 A	3	6.3			6.3			6.7	--	--
15	--	--	--				6.3			0.6	1	20 A
17	--	--	--				6.3			0.6	1	20 A
19	PCWH-1	20 A	3	3			3			3	20 A	PCWH-2
21	--	--	--							3	--	--
23	--	--	--							3	--	--
25	PHMP-1	30 A	3	0.8			0.8			3	--	--
27	--	--	--				0.8			0.8	--	--
29	--	--	--				0.8			0.8	--	--
31	SHMP-2	30 A	3	3			3			3	20 A	SHMP-1
33	--	--	--				3			3	--	--
35	--	--	--				3			3	--	--
37	SWABE	20 A	1	0			0			3	20 A	SWABE
39	--	20 A	1				0			1	20 A	SWABE
41	SWABE	20 A	1				0			0	1	20 A
		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				
Easting Load		3.0 kVA	0.00%	0.0 kVA								
General		5.0 kVA	0.00%	0.0 kVA								
HVAC		39.2 kVA	100.00%	39.2 kVA				Total Conn. Load: 54.7 kVA				
Lighting		0.8 kVA	0.00%	0.0 kVA								
Lighting - Exterior		0.0 kVA	0.00%	0.0 kVA				Total Demand: 34.7 kVA				
Miscellaneous		4.5 kVA	100.00%	4.5 kVA				Total Conn.: 116 A				
Other		0.0 kVA	0.00%	0.0 kVA								
Receptacle		0.0 kVA	0.00%	0.0 kVA				Total Est. Demand: 116 A				
Spurs		0.0 kVA	0.00%	0.0 kVA								
		0.0 kVA	0.00%	0.0 kVA								
Notes:		Legend:										

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals
Feeding 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	0.0 kVA	0.00%	0.0 kVA	
Lighting - Exterior	0.0 kVA	0.00%	0.0 kVA	
Motor	0.0 kVA	0.00%	0.0 kVA	
Other	0.0 kVA	0.00%	0.0 kVA	
Receptacle	41.5 kVA	100.00%	41.5 kVA	
Spurs	0.0 kVA	0.00%	0.0 kVA	
<b>Total Load:</b>	<b>41.5 kVA</b>		<b>41.5 kVA</b>	
<b>Total Amps:</b>	<b>125 A</b>		<b>125 A</b>	

Notes:  
\*PROVIDE GFCI CIRCUIT BREAKER  
\*PROVIDE CT TO MONITOR EXTENSION LIGHTING CIRCUIT SEPARATELY

# PANELBOARD L1

Location: NEHA 1  
Enclosure: Surface  
Mounting: Surface  
Supply From: LDP

Volts: 480/277 Wye  
Phases: 3  
Wires: 4  
A.L.C. Rating: 30000  
Main Type: HLO  
Rating: 125 A

Ckt	Circuit Description	Tripp	Poles	A	B	C	Poles	Tripp	Circuit Description	Ckt
1	Lighting	20 A	1	2.5	1.5	0	1	20 A	**PARADING LOT LIGHTS	2
3	Orientation Lighting	20 A	1	1.5	0	0	1	20 A	**Lighting - Exterior	4
5	**Pole Lighting	20 A	1	0	0	0	1	20 A	Lighting	6
7	RELAY PANEL, RPT	20 A	1	0	0	0	1	20 A	**Pole Lighting	8
9	EXT. COOR.	20 A	1	0.1	0	0	1	20 A	SPARE	10
11	**Lighting - CHILLER YARD	20 A	1	0	0	0	1	20 A	SPARE	12
13	Stage Lighting	20 A	1	0.3	0	0	1	20 A	SPARE	14
15	SPARE	20 A	1	0	0	0	1	20 A	SPARE	16
17	SPARE	20 A	1	0	0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0	0	1	20 A	SPARE	20
21	SPARE	20 A	1	0	0	0	1	20 A	SPARE	22
23	SPARE	20 A	1	0	0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0	0	1	20 A	SPARE	26
27	SPARE	20 A	1	0	0	0	1	20 A	SPARE	28
29	SPARE	20 A	1	0	0	0	1	20 A	SPARE	30
Total Load:				4.2 MVA	1.5 MVA	0.0 MVA				
Total Amps:				16 A	7 A	0 A				

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals
Building Load	0.0 MVA	0.00%	0.0 MVA	
	0.0 MVA	0.00%	0.0 MVA	
HVAC	0.0 MVA	0.00%	0.0 MVA	
Lighting	4.2 MVA	100.00%	4.2 MVA	Total Conn. Load: 0.0 MVA
Lighting - Exterior	1.5 MVA	100.00%	1.5 MVA	Total Est. Demand: 0.0 MVA
Water	0.0 MVA	0.00%	0.0 MVA	Total Conn.: 7 A
Other	0.0 MVA	0.00%	0.0 MVA	Total Est. Demand: 7 A
Receptacle	0.0 MVA	0.00%	0.0 MVA	
Spare	0.0 MVA	0.00%	0.0 MVA	

Notes:

Legend:

\*\*PROVIDE A CT TO MONITOR EXTERIOR LIGHTING CIRCUIT SEPARATELY