

Branch Panel: 1LPLS

Location: Supply From: 1LP1
 Mounting: Surface
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: 22,000
 Mains Type: MLO
 Mains Rating: 225 A
 MCB Rating: 1 A

Notes: SENSOR INTELLIGENT BREAKER SYSTEM PANEL

Note	Ckt	Circuit Description	Wire Size	Trip (A)	Pole	A	B	C	Pole	Trip (A)	Wire Size	Circuit Description	Ckt	Note
1		PERFORMANCE LIGHTING	20	1	900	900			1	20		PERFORMANCE LIGHTING	2	
3		PERFORMANCE LIGHTING	20	1			1000	1000	1	20		PERFORMANCE LIGHTING	4	
5		PERFORMANCE LIGHTING	20	1				1000	1000	1	20	PERFORMANCE LIGHTING	6	
7		PERFORMANCE LIGHTING	20	1	1000	1000			1	20		PERFORMANCE LIGHTING	8	
9		PERFORMANCE LIGHTING	20	1			1000	1000	1	20		PERFORMANCE LIGHTING	10	
11		PERFORMANCE LIGHTING	20	1				100	1000	1	20	PERFORMANCE LIGHTING	12	
13		PERFORMANCE LIGHTING	20	1	1000	1000			1	20		PERFORMANCE LIGHTING	14	
15		PERFORMANCE LIGHTING	20	1			1000	1000	1	20		PERFORMANCE LIGHTING	16	
17		PERFORMANCE LIGHTING	20	1				1000	1000	1	20	PERFORMANCE LIGHTING	18	
19		PERFORMANCE LIGHTING	20	1	1000	1000			1	20		PERFORMANCE LIGHTING	20	
21		PERFORMANCE LIGHTING	20	1			1000	1000	1	20		PERFORMANCE LIGHTING	22	
23		PERFORMANCE LIGHTING	20	1				1000	1000	1	20	PERFORMANCE LIGHTING	24	
25		PERFORMANCE LIGHTING	20	1	1000	1000			1	20		PERFORMANCE LIGHTING	26	
27		PERFORMANCE LIGHTING	20	1			1000	1000	1	20		PERFORMANCE LIGHTING	28	
29		PERFORMANCE LIGHTING	20	1				1000	1000	1	20	PERFORMANCE LIGHTING	30	
31		PERFORMANCE LIGHTING	20	1	1000	1000			1	20		PERFORMANCE LIGHTING	32	
33		PERFORMANCE LIGHTING	20	1			1000	1000	1	20		PERFORMANCE LIGHTING	34	
35		PERFORMANCE LIGHTING	20	1				1000	1000	1	20	PERFORMANCE LIGHTING	36	
37		PERFORMANCE LIGHTING	20	1	1000	1000			1	20		PERFORMANCE LIGHTING	38	
39		PERFORMANCE LIGHTING	20	1			1000	1000	1	20		PERFORMANCE LIGHTING	40	
41		PERFORMANCE LIGHTING	20	1				1000	1000	1	20	PERFORMANCE LIGHTING	42	
43		AUDITORIUM LIGHTING	20	1	900	0			1	20		ARCH LIGHTING	44	
45		Lighting	20	1			360	0		1	20	ARCH LIGHTING	46	
47									0	1	20	ARCH LIGHTING	48	
49		Spare	20	1	0	0			1	20		Spare	50	
51		Spare	20	1			0	0	1	20		Spare	52	
53		Space						0	0			Space	54	
55		Space			0	0						Space	56	
57		Space					0	0				Space	58	
59		Space						0	0			Space	60	
Total Load						14657.7 VA	14342.4 VA	13100 VA						
Total Amps						124 A	121 A	109 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	42099 VA	100.00%	42099 VA	
Other	0 VA	0.00%	0 VA	
				Total Conn. Load: 42099 VA
				Total Est. Demand: 42099 VA
				Total Conn.: 117 A
				Total Est. Demand: 117 A

Notes:

Branch Panel: 1HP1

Location: Supply From: MDP
 Mounting: Surface
 Enclosure: Type 1

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

A.I.C. Rating: 65,000
 Mains Type: MLO
 Mains Rating: 600 A
 MCB Rating: 600 A

Notes:

Note	Ckt	Circuit Description	Wire Size	Trip (A)	Pole	A	B	C	Pole	Trip (A)	Wire Size	Circuit Description	Ckt	Note
1		AHU-3	60	3	11634	5318.3			3	30		AHU-2	2	
3						11634	5318.3						4	
5							11634	5318.3					6	
7		Heating	20	1	1500	2500			1	20		Heating	8	
9		Heating	20	1			1500	4333.3		3	25	MOTOR/HVAC	10	
11		MOTOR/HVAC	25	3				4333.3	4333.3				12	
13						4333.3	4333.3						14	
15							4333.3	1000		1	20	Heating	16	
17		Heating	20	3				2000	2000	3	20	Heating	18	
19						2000	2000						20	
21							2000	2000					22	
23		Heating	20	3				2000	2000	3	20	Heating	24	
25						2000	2000						26	
27							2000	2000					28	
29		CV-1-5	25	1				5000		1	20	Heating	30	
31		Heating	20	1	2000	1500				1	20	Heating	32	
33		Heating	20	1			1000	1500		1	20	Heating	34	
35		Heating	20	1				1500	100	1	20	Heating	36	
37		Heating	20	1	4000	4500				1	25	VAV-1-15	38	
39		Heating	20	1			500	1000		1	20	Heating	40	
41		Heating	20	1				1500		1	20	Heating	42	
43													44	
45								19425.1		3	20	1TX1	46	
47													48	
49													50	
51		Spare	20	1	0	0				1	20	Spare	52	
53		Space										Space	54	
55		Space						0	0			Space	56	
57		Space							0	0		Space	58	
59		Space							0	0		Space	60	
Total Load						67447.7 VA	62925.4 VA	64003.7 VA						
Total Amps						244 A	227 A	232 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Heating	60500 VA	100.00%	60500 VA	
Lighting	56532 VA	100.00%	56532 VA	
Lighting - Dwelling Unit	400 VA	100.00%	400 VA	
Other	0 VA	0.00%	0 VA	
Receptacle	180 VA	100.00%	180 VA	
MOTOR/HVAC	76857 VA	100.00%	76857 VA	
				Total Conn. Load: 194333 VA
				Total Est. Demand: 194333 VA
				Total Conn.: 234 A
				Total Est. Demand: 234 A

Notes:

Branch Panel: 1MP1

Location: Supply From: 112.5 kVA, 277 V/480 V...
 Mounting: Surface
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: 22,000
 Mains Type: MCB
 Mains Rating: 400 A
 MCB Rating: 400 A

Notes:

Note	Ckt	Circuit Description	Wire Size	Trip (A)	Pole	A	B	C	Pole	Trip (A)	Wire Size	Circuit Description	Ckt	Note
1		MOTOR/HVAC	20	2	1373	180			1	20		Receptacle	2	
3							1373	180		1	20	Receptacle	4	
5		Lighting	20	1				200	1	20		Lighting	6	
7		MOTOR/HVAC	20	1	900	1200			1	20		Receptacle	8	
9		Receptacle	20	1			300		1	20		Receptacle	10	
11		Receptacle	20	1				900	1	20		Receptacle	12	
13		Receptacle	20	1	900				1	20		Receptacle	14	
15		Receptacle	20	1			900	540	1	20		Receptacle	16	
17		Receptacle	20	1				900	900	1	20	Receptacle	18	
19		Receptacle	20	1	720	720			1	20		Receptacle	20	
21		Receptacle	20	1			720	1200	1	20		Receptacle	22	
23		Receptacle	20	1				720	900	1	20	Receptacle	24	
25		Receptacle	20	1	900	1080			1	20		Kitchen Equipment - ...	26	
27		Kitchen Equipment - ...	20	1			1080	1800	1	20		Kitchen Equipment - ...	28	
29		Kitchen Equipment - ...	20	1				1800	1080	1	20	Kitchen Equipment - ...	30	
31		Kitchen Equipment - ...	20	1	980	900			1	20		Receptacle	32	
33		Receptacle	20	1			900	1440	1	20		Receptacle	34	
35		Kitchen Equipment - ...	20	1				1080	360	1	20	Receptacle	36	
37		Receptacle	20	1	1080	900			1	20		Receptacle	38	
39		Receptacle	20	1			1080	1260	1	20		Receptacle	40	
41		Receptacle	20	1				1800	1800	1	20	Receptacle	42	
43		Kitchen Equipment - ...	20	1	1080	1080			1	20		Kitchen Equipment - ...	44	
45		Receptacle	20	1			720	720	1	20		Receptacle	46	
47		Receptacle	20	1				360	1080	1	20	Receptacle	48	
49		Receptacle	20	1	540	2250			2	30		Dryer	50	
51		Washer	20	1			1080	2250					52	
53		Kitchen Equipment - ...	20	1				1080	180	1	20	Receptacle	54	
55													56	
57													58	
59													60	
61													62	
63													64	
65													66	
67		THEATRICAL PROVISIONS	200	3	12000	12000			3	200		SHOP PROVISIONS	68	
69							12000	12000					70	
71								12000	12000				72	
Total Load						41143 VA	42663 VA	39642 VA						
Total Amps						345 A	357 A	330 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment - Non-Dwelling Unit	12640 VA	65.00%	8216 VA	
Lighting	400 VA	100.00%	400 VA	
Power	72000 VA	100.00%	72000 VA	
Receptacle	35160 VA	64.22%	22580 VA	
MOTOR/HVAC	3646 VA	100.00%	3646 VA	
				Total Conn. Load: 123447 VA
				Total Est. Demand: 106443 VA
				Total Conn.: 343 A
				Total Est. Demand: 295 A

Notes:

Branch Panel: MDP

Location: Supply From: MDP
 Mounting: Wall Mounted
 Enclosure:

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

A.I.C. Rating: 65,000
 Mains Type: 1200 A
 Mains Rating: 1200 A
 MCB Rating: 1200 A

Notes:

CKT	Circuit Description	Trip	Pole	A	B	C	Pole	Trip	Circuit Description	CKT
1	AIR COOLED CHILLER CH-1</									