

Switchboard: MSB

Location: ELECTRICAL 108
Mounting: SURFACE
Enclosure: NEMA1

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

A.I.C. Rating: 65K FULLY RATED
Main Type: MCB
Mains Rating: 4000 A
MCB Rating: 4000 A

CKT	Circuit Description	# of Poles	Frame Size	Tripping Rating	Load	Remarks
1	PANEL DP5	3	800 A	600 A	285147 VA	
2	PANEL DP4	3	800 A	600 A	277366 VA	
3	PANEL DP3	3	800 A	600 A	277300 VA	
4	PANEL DP2	3	800 A	600 A	276348 VA	
5	PANEL DP1	3	225 A	225 A	74466 VA	
6	PANEL R1A'	3	225 A	200 A	74440 VA	
7	PANEL R1B'	3	225 A	200 A	90096 VA	
8	PANEL KP	3	150 A	150 A	37281 VA	
9	PANEL LK	3	100 A	100 A	27200 VA	
10	PANEL DPE' via ATS1'	3	400 A	300 A	105432 VA	
11	SPACE				0 VA	
12	SPACE				0 VA	
13	SPACE				0 VA	
14	SPACE				0 VA	
15	SPACE				0 VA	
16	SPACE				0 VA	
17						
18						
19						
20						
Total Conn. Load:					1525168 VA	
Total Amps:					4233 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	387969 VA	100.00%	387969 VA	
Motor	5520 VA	100.00%	5520 VA	Total Conn. Load: 1525168 VA
Other	221906 VA	100.00%	221906 VA	Total Est. Demand: 1147606 VA
Lighting	84641 VA	125.00%	105802 VA	Total Conn. Load: 4233 A
Receptacle	78821 VA	NEC	358411 VA	Total Est. Demand: 3185 A
Kitchen Equipment	2946 VA	65.00%	19147 VA	
Relig	8864 VA	100.00%	8864 VA	

Panel: DP1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Enclosure: Type 1

A.I.C. Rating: 65K SERIES
Mounting: Surface
Feeder Rating: 225 A
Panel Rating: 225 A, MLO

BRKR	Notes	Circuit Description	CKT	A (VA)	B (VA)	C (VA)	CKT	Circuit Description	Notes	BRKR
20 A	2	PTHP-1 KING 101 CKT 1	3	1373 / 1467	1373 / 1467		2	PTHP-2 Q10 100		2 20 A
20 A	2	PTHP-1 KING 101 CKT 2	5	1373 / 1373		1373 / 1373	8	PTHP-1 Q10 104		2 20 A
20 A	2	PTHP-1 QUEEN 105	11	1373 / 1373		1373 / 1373	12	PTHP-1 Q10 104		2 20 A
20 A	2	PTHP-1 QUEEN 103	13	1373 / 1373		1373 / 1373	14	PTHP-1 Q10 106		2 20 A
20 A	2	PTHP-1 QUEEN 123	15	1373 / 1373		1373 / 1373	16	PTHP-1 QUEEN 122		2 20 A
20 A	2	PTHP-2 QUEEN 125	17	1373 / 1373		1373 / 1373	18	PTHP-1 QUEEN 124		2 20 A
20 A	1	ICE MAKER	25	1800 / 1373			26	PTHP-1 KING 126 CKT 1		2 20 A
		SPACE	29		0 / 1373		28	PTHP-1 KING 126 CKT 2		2 20 A
		SPACE	30			0 / 1373	32	PTHP-1 KING 126 CKT 2		2 20 A
100 A	3	PANEL 1*	31	7062 / 1373			34	SPACE		
		SPACE	33		10141 / 0		36	SPACE		
		SPACE	35		2860 / 0		38	SPACE		
100 A	3	PANEL M1*	37	4756 / 903		4684 / 618	40	DIMMER PANEL DM1*		3 60 A
		SPACE	41		2654 / 159		42			
		SPACE			18144 VA					

Connected Load	Lighting	HVAC	Motors	Receptacle	Relig	Kitchen	Misc	Panel Totals:
3254 VA	3254 VA	56146 VA	5520 VA	5780 VA			3780 VA	Total Conn. Load: 74860 VA
Demand Factor	125.00%	100.00%	100.00%	NEC	100.00%		100.00%	Total Est. Demand: 75777 VA
Demand Load	4067 VA	56146 VA	5520 VA	5780 VA			3780 VA	Total Conn. Current: 267 A
								Total Est. Demand Current: 269 A

Panel: DP2

Volts: 120/208 Wye
Phases: 3
Wires: 4
Enclosure: Type 1

A.I.C. Rating: 42K
Mounting: Surface
Feeder Rating: 600 A
Panel Rating: 600 A, MLO

BRKR	Notes	Circuit Description	CKT	A	B	C	CKT	Circuit Description	Notes	BRKR
		SPACE	1	0 / 0			2	SPACE		
		SPACE	3		0 / 0		4	SPACE		
		SPACE	5			0 / 0	6	SPACE		
20 A	2	PTHP-1 KING 201 CKT 1	7	1373 / 0			8	SPACE		
20 A	2	PTHP-1 KING 201 CKT 2	9		1373 / 0		10	SPACE		
20 A	2	PTHP-1 QUEEN 203	11	1373 / 1467		1373 / 0	12	SPACE		
20 A	2	PTHP-1 QUEEN 205	13	1373 / 1373		1373 / 1467	14	PTHP-2 Q10 200		2 20 A
20 A	2	PTHP-1 QUEEN 211	17	1373 / 1373		1373 / 1373	18	PTHP-1 Q10 202		2 20 A
20 A	2	PTHP-1 Q10 213	21	1373 / 1373		1373 / 1373	22	PTHP-1 Q10 204		2 20 A
20 A	2	PTHP-1 Q10 215	23	1373 / 1373		1373 / 1373	24	PTHP-1 Q10 206		2 20 A
20 A	2	PTHP-1 Q10 217	27	1373 / 1373		1373 / 1467	28	PTHP-2 Q10 200		2 20 A
20 A	2	PTHP-1 KING 219 CKT 1	31	1373 / 1373		1373 / 1373	32	PTHP-1 Q10 208		2 20 A
20 A	2	PTHP-1 KING 219 CKT 2	37	1373 / 1373		1373 / 1373	38	PTHP-2 Q10 206		2 20 A
20 A	2	PTHP-1 QUEEN 221	41	1373 / 1373		1373 / 1373	42	PTHP-1 QUEEN 212		2 20 A
20 A	2	PTHP-1 QUEEN 223	47	1373 / 1373		1373 / 1373	48	PTHP-1 QUEEN 216		2 20 A
20 A	2	PTHP-2 QUEEN 225	53	1467 / 1373		1373 / 1373	54	PTHP-1 QUEEN 218		2 20 A
		SPACE	57		1467 / 1373		58	PTHP-1 QUEEN 220		2 20 A
		SPACE	61			0 / 1373	60	PTHP-1 QUEEN 222		2 20 A
		SPACE	63		0 / 1373		64	PTHP-1 QUEEN 224		2 20 A
		SPACE	65		0 / 1373		66	PTHP-1 KING 226 CKT 1		2 20 A
		SPACE	67		0 / 1373		68	PTHP-1 KING 226 CKT 2		2 20 A
		SPACE	71		0 / 1373		72	SPACE		
		SPACE	73		0 / 1373		74	SPACE		
		SPACE	75		0 / 0		76	SPACE		
		SPACE	77			0 / 0	78	SPACE		
		SPACE	79		0 / 5383		80	SPACE		
20 A	1	ICE MAKER	81		0 / 5800		82	PANEL R3C'		3 100 A
		SPACE	83		29107 / 31341		84			
		SPACE	85		30452 / 30903		86			
200 A	3	SUB	87		29942 / 30723		88	PANEL R3B'		3 200 A
		SPACE	89		93478 VA		90			

Connected Load	Lighting	HVAC	Motors	Receptacle	Relig	Kitchen	Misc	Panel Totals:
1525 VA	1525 VA	77787 VA	164780 VA	18900 VA			18900 VA	Total Conn. Load: 277366 VA
Demand Factor	125.00%	100.00%	100.00%	NEC	100.00%		100.00%	Total Est. Demand: 303880 VA
Demand Load	1925 VA	77787 VA	87376 VA	18900 VA			18900 VA	Total Conn. Current: 1770 A
								Total Est. Demand Current: 1666 A

Panel: DP3

Volts: 120/208 Wye
Phases: 3
Wires: 4
Enclosure: Type 1

A.I.C. Rating: 42K
Mounting: Surface
Feeder Rating: 600 A
Panel Rating: 600 A, MLO

BRKR	Notes	Circuit Description	CKT	A	B	C	CKT	Circuit Description	Notes	BRKR
		SPACE	1	0 / 0			2	SPACE		
		SPACE	3		0 / 0		4	SPACE		
		SPACE	5			0 / 0	6	SPACE		
20 A	2	PTHP-1 KING 301 CKT 1	7	1373 / 0			8	SPACE		
20 A	2	PTHP-1 KING 301 CKT 2	9		1373 / 0		10	SPACE		
20 A	2	PTHP-1 QUEEN 303	11	1373 / 1467		1373 / 0	12	SPACE		
20 A	2	PTHP-1 QUEEN 305	13	1373 / 1373		1373 / 1373	14	PTHP-2 Q10 300		2 20 A
20 A	2	PTHP-1 Q10 311	17	1373 / 1373		1373 / 1373	18	PTHP-1 Q10 302		2 20 A
20 A	2	PTHP-1 Q10 313	19	1373 / 1373		1373 / 1373	20	PTHP-1 Q10 304		2 20 A
20 A	2	PTHP-1 Q10 315	21	1373 / 1373		1373 / 1373	22	PTHP-1 Q10 306		2 20 A
20 A	2	PTHP-1 Q10 317	23	1373 / 1373		1373 / 1373	24	PTHP-2 QUEEN 310		2 20 A
20 A	2	PTHP-1 KING 319 CKT 1	27	1373 / 1373		1373 / 1373	28	PTHP-1 QUEEN 312		2 20 A
20 A	2	PTHP-1 KING 319 CKT 2	29	1373 / 1373		1373 / 0	30	SPACE		1 20 A
20 A	2	PTHP-1 QUEEN 321	31	1373 / 1373		1373 / 1373	32	PTHP-1 QUEEN 314		2 20 A
20 A	2	PTHP-1 QUEEN 323	33	1373 / 1373		1373 / 1373	34	PTHP-1 QUEEN 316		2 20 A
20 A	2	PTHP-1 QUEEN 325	35	1467 / 1373		1373 / 1373	36	PTHP-1 QUEEN 318		2 20 A
		SPACE	37		1467 / 1373		38	PTHP-1 QUEEN 320		2 20 A
		SPACE	39		0 / 1373		40	PTHP-1 QUEEN 322		2 20 A
		SPACE	41		0 / 1373		42	PTHP-1 QUEEN 324		2 20 A
		SPACE	43		0 / 1373		44	PTHP-1 KING 326 CKT 1		2 20 A
		SPACE	45		0 / 1373		46	PTHP-1 KING 326 CKT 2		2 20 A
		SPACE	47		0 / 1373		48	SPACE		
		SPACE	49		0 / 0		50	SPACE		
		SPACE	51		0 / 5383		52	PANEL R3C'		3 100 A
20 A	1	ICE MAKER	53		0 / 5800		54			
		SPACE	55		29107 / 31341		56			
		SPACE	57		30452 / 30903		58			
200 A	3	SUB	59		29942 / 30723		60	PANEL R3B'		3 200 A
		SPACE	61		93478 VA		62			

Connected Load	Lighting	HVAC	Motors	Receptacle	Relig	Kitchen	Misc	Panel Totals:
1525 VA	1525 VA	77992 VA	164780 VA	18900 VA			18900 VA	Total Conn. Load: 277366 VA
Demand Factor	125.00%	100.00%	100.00%	NEC	100.00%		100.00%	Total Est. Demand: 303817 VA
Demand Load	1925 VA	77992 VA	87376 VA	18900 VA			18900 VA	Total Conn. Current: 1770 A
								Total Est. Demand Current: 1666 A

Panel: DP4

Volts: 120/208 Wye
Phases: 3
Wires: 4
Enclosure: Type 1

A.I.C. Rating: 42K
Mounting: Surface
Feeder Rating: 600 A
Panel Rating: 600 A, MLO

BRKR	Notes	Circuit Description	CKT	A	B	C	CKT	Circuit Description	Notes	BRKR
		SPACE	1	0 / 0			2	SPACE		
		SPACE	3		0 / 0		4	SPACE		
		SPACE	5			0 / 0	6	SPACE		
20 A	2	PTHP-1 KING 401 CKT 1	7	1373 / 0			8	SPACE		
20 A	2	PTHP-1 KING 401 CKT 2	9		1373 / 0		10	SPACE		
20 A	2	PTHP-1 QUEEN 403	11	1373 / 1467		1373 / 1373	12	PTHP-1 Q10 400		2 20 A
20 A	2	PTHP-1 QUEEN 405	13	1373 / 1373		1373 / 1373	14	PTHP-1 Q10 402		2 20 A
20 A	2	PTHP-1 Q10 411	17	1373 / 1373		1373 / 1373	18	PTHP-1 Q10 404		2 20 A
20 A	2	PTHP-1 Q10 413	19	1373 / 1373		1373 / 1373	20	PTHP-1 Q10 406		2 20 A
20 A	2	PTHP-1 Q10 415	21	1373 / 1373		1373 / 1529	22	PTHP-1 Q10 408		2 20 A
20 A	2	PTHP-1 Q10 417	23	1373 / 1373		1373 / 1529	24	PTHP-2 Q10 410		2 20 A
20 A	2	PTHP-1 KING 419 CKT 1	27	1373 / 1373		1373 / 1373	28	PTHP-1 QUEEN 412		2 20 A
20 A	2	PTHP-1 KING 419 CKT 2	29	1373 / 1373		1373 / 0	30	SPACE		1 20 A
20 A	2	PTHP-1 QUEEN 421	31	1373 / 1373		1373 / 1373	32	PTHP-1 QUEEN 414		2 20 A
20 A	2	PTHP-1 QUEEN 423	33	1373 / 1373		1373 / 1373	34	PTHP-1 QUEEN 416		2 20 A
20 A	2	PTHP-1 QUEEN 425	35	1467 / 1373		1373 / 1373	36	PTHP-1 QUEEN 418		2 20 A</