

GROUND FLOOR DISTRIBUTION BOARD

Panel Location-																	
Voltage (Phase-Ground/Phase-Phase)		230	415	Source of Supply-From Service Disconnect/Meter													
Phase- 3				Wire- 5													
Rated Amps- 72				AIC- 10k													
MCCB 3-Phase 100 Amps MCCB				Mounting- Wall Surface													
Circuit	Description	New/ Existing	Load Type	Breaker Size	Poles	Wire Size	A	B	C	Wire Size	Poles	Breaker Size	Load Type	New/ Existing	Description	Circuit	
1	LIGHTING LOAD BF	N		15	1	#14	670	3935								2	
3	WATER HEATER	N		20	1	#12		2000	3935					N	Electric Turbo Fryer (1.02)	4	
5	Refrigerated Counter (1.20)	N		20	1	#12			1440	3935						6	
7	Refrigerated Counter (1.20)	N		20	1	#12	1440	6500						N	Pass Through Dishwasher (2.04)	8	
9	Refrigerated Counter (1.20)	N		20	1	#12		1440	2200					N	Countertop Batch Freezer (2.14)	10	
11	Bottle Cooler (3.02)	N		20	1	#12			1000	870				N	Ice Maker (2.15)	12	
13	Coffee Machine (3.14)	N		25	1	#10	4700	3120						N	Wine Cooler (3.16)	14	
15	Under Counter Dishwasher (3.06)	N		35	1	#08		6500	6500					N	Under Counter Glasswasher (4.04)	16	
17	4xBack Bar Cabinets (4.06)	N		20	1	#12			800	500				N	CT-5	18	
19	SPARE	--		--	--	--	0	0						--	SPARE	20	
21	SPARE	--		--	--	--		0	0					--	SPARE	22	
23	SPARE	--		--	--	--			0	0				--	SPARE	24	
25	SPARE	--		--	--	--	0	0						--	SPARE	26	
27	SPARE	--		--	--	--		0	0					--	SPARE	28	
29	SPARE	--		--	--	--			0	0				--	SPARE	30	
31	SPARE	--		--	--	--	0	0						--	SPARE	32	
33	SPARE	--		--	--	--		0	0					--	SPARE	34	
35	SPARE	--		--	--	--			0	0				--	SPARE	36	
37	SPARE	--		--	--	--	0	0						--	SPARE	38	
39	SPARE	--		--	--	--		0	0					--	SPARE	40	
41	SPARE	--		--	--	--			0	0				--	SPARE	42	
43	SPARE	--		--	--	--	0	0						--	SPARE	44	
							A	B	C	Total							
Connected Load (W)							20365	22575	8545	51485							
Divided by 3-phase multiplayer (1.732) and line to line voltage 208 V							72										
Connected Amps							72										
Main Type and Amps Rating							3-Phase 100 Amps MCCB										
Demand Load Calculation																	
Load Classification	Connected Load	Demand Factor	Estimated Demand														
Lighting - Dwelling Unit	670	125%	837.5														
Water Heater - Dwelling Unit	2000	100%	2000														
Receptacle	5875	65%	3818.75														
Cooling	0	100%	0														
Pump	0	125%	0														
Other	0	100%	0														
Demand Load	8545		6656.25														
Demand Amps			18														