

Panel Tag-		PANEL MDP															
Panel Location-		KITCHEN AREA															
Voltage (Phase-Ground/Phase-Phase)		120		208		Wire-4		AIC-65k		Mounting-Surface							
Phase-3																	
Rated Amps-800																	
MLO/MCB-800																	
Circuit	Description	New/Existing	Load Type	Breaker Size	Poles	A	B	C	A	B	C	Poles	Breaker Size	Load Type	New/Existing	Description	Circuit
1	AHU1	N	MCA	40.0	3	4.3			4.3			3	40.0	MCA	N	AHU3	2
3						4.3	4.3		4.3	4.3							
5	AHU2	N	MCA	40.0	3	4.3			4.3			3	40.0	MCA	N	AHU4	4
7						4.3	4.3		4.3	4.3							
9	CU1	N	MCA	60.0	3	4.7			4.7			3	60.0	MCA	N	CU3	6
11						4.7	4.7		4.7	4.7							
13	CU2	N	MCA	60.0	3	4.7			4.7			3	60.0	MCA	N	CU4	8
15						4.7	4.7		4.7	4.7							
17	PANEL P1	N	SP	200.0	3	13.5			14.7			3	200.0	SP	N	PANEL P2	26
19						16.7			13.6								28
21	AIR CURTAIN, ACU1	N	MCA	60.0		5.7					13.5	3	100.0	Spare	N	SPARE	30
23						5.7											32
25	SPACE	N	Space											Space	N	SPACE	34
27																	36
29																	38
31																	40
33																	42
						A	B	C	Total								
Connected Load						69.9	72.0	69.7	211.6								
Connected Amps						582.50	600.00	580.83	587.78								
Demand Load Calculation																	
	Factor	Connected Load (KW)	Demand Load (KW)														
Continuous Loads (C)	1.25	0.0	0.0														
Non-Continuous Loads (NC)	1.00	0.0	0.0														
Lighting (L)	1.25	0.0	0.0														
Receptacles (R) - 1st 10 KVA	1.00	0.0	0.0														
Receptacles (R) - Over 10 KVA	0.50	0.0	0.0														
Motor Loads (M)	1.00	0.0	0.0														
Largest Motor Load (M) - 25% Factor	0.25	0.0	0.0														
Assembly (MCA)	1.00	41.7	41.7														
Kitchen (K)	0.70	0.0	0.0														
Cooking (C)	0.70	0.0	0.0														
Miscellaneous (Misc)	1.00	0.0	0.0														
Transformer (T)	1.00	0.0	0.0														
Water Heater (WH)	1.00	0.0	0.0														
Sub-Panel (SP)	1.00	28.2	28.2														
Demand Load			69.9														
Demand Amps			194.17														

Panel Tag-		PANEL P1															
Panel Location-		KITCHEN AREA															
Voltage (Phase-Ground/Phase-Phase)		120		208		Wire-4		AIC-14k		Mounting-Surface							
Phase-3																	
Rated Amps-225																	
MLO/MCB-225																	
Circuit	Description	New/Existing	Load Type	Breaker Size	Poles	A	B	C	A	B	C	Poles	Breaker Size	Load Type	New/Existing	Description	Circuit
1	LIGHTS - BAR AND DINING	N	L	20.0	1	0.5			1.0			1	20.0	R	N	BACK BAR COOLER	2
3	LIGHTS ENTRY AND DINING	N	L	20.0	1			0.6		1.5		1	20.0	R	N	FROZEN BEVERAGE SYSTEM	4
5	LIGHTS - BAR AND UNDERCOUNTER	N	L	20.0	1			0.4			1.5	1	20.0	R	N	FROZEN BEVERAGE SYSTEM	6
7	LIGHTS - TOILETS AND KITCHEN	N	L	20.0	1	1.0			0.4		1.0	1	20.0	R	N	RECEPTACLE - QUAD BLENDERS	8
9	RECEPTACLES - CEILING	N	R	20.0	1			1.0			1.0	1	20.0	R	N	BEER BOTTLE COOLER	10
11	RECEPTACLES - CEILING	N	R	20.0	1			1.0			1.0	1	20.0	R	N	RECEPTACLE - REGISTER	12
13	RECEPTACLES - CEILING	N	R	20.0	1	0.8			1.8			1	20.0	R	N	COFFEE MAKER	14
15	RECEPTACLES - WALL	N	R	20.0	1			1.2			1.9	1	20.0	Misc	N	GLASSWARE	16
17	RECEPTACLE - REGISTER	N	R	20.0	1			1.0			0.9	1	20.0	R	N	BEER DISPENSER	18
19	RECEPTACLES - TV'S	N	R	20.0	1	1.5			1.0		1.0	1	20.0	R	N	BEER BOTTLE COOLER	20
21	ICE CUBE MACHINE	N	MCA	25.0	2			1.7			1.2	1	20.0	R	N	FREEZER	22
23								1.7			1.2	1	20.0	R	N	SANDWICH SALAD	24
25	ICE CUBE MACHINE	N	MCA	25.0	2	1.7			1.8			1	20.0	R	N	PANINI	26
27								1.7			3.2	1	20.0	R	N	MICROWAVE	28
29	RECEPTACLE - QUAD BLENDERS	N	R	20.0	1			0.4			3.2	1	20.0	R	N	MICROWAVE	30
31	BEER BOTTLE COOLER	N	R	20.0	1	1.0			1.0		0.7	1	20.0	R	N	PIZZA PREP TABLE	32
33	BACK BAR COOLER	N	R	20.0	1			1.0			0.7	1	20.0	R	N	REF UNIT	34
35	RECEPTACLE - REGISTER	N	R	20.0	1			1.0			1.2	1	20.0	R	N	FREEZER	36
37	SPARE	N	Spare	20.0	1							1	20.0	Spare	N	SPARE	38
39	SPARE	N	Spare	20.0	1							1	20.0	Spare	N	SPARE	40
41	SPARE	N	Spare	20.0	1							1	20.0	Spare	N	SPARE	42
						A	B	C	Total								
Connected Load						13.5	16.7	14.5	44.7								
Connected Amps						112.50	139.42	120.83	124.25								
Demand Load Calculation																	
	Factor	Connected Load (KW)	Demand Load (KW)														
Continuous Loads (C)	1.25	0.0	0.0														
Non-Continuous Loads (NC)	1.00	0.0	0.0														
Lighting (L)	1.25	2.5	3.2														
Receptacles (R) - 1st 10 KVA	1.00	10.0	10.0														
Receptacles (R) - Over 10 KVA	0.50	23.5	11.8														
Motor Loads (M)	1.00	0.0	0.0														
Largest Motor Load (M) - 25% Factor	0.25	0.0	0.0														
Assembly (MCA)	1.00	3.4	3.4														
Kitchen (K)	0.70	0.0	0.0														
Cooking (C)	0.70	0.0	0.0														
Miscellaneous (Misc)	1.00	1.9	1.9														
Transformer (T)	1.00	0.0	0.0														
Water Heater (WH)	1.00	0.0	0.0														
Sub-Panel (SP)	1.00	0.0	0.0														
Demand Load			30.2														
Demand Amps			83.92														

Panel Tag-		PANEL P2															
Panel Location-		KITCHEN AREA															
Voltage (Phase-Ground/Phase-Phase)		120		208		Wire-4		AIC-14k		Mounting-Surface							
Phase-3																	
Rated Amps-225																	
MLO/MCB-200																	
Circuit	Description	New/Existing	Load Type	Breaker Size	Poles	A	B	C	A	B	C	Poles	Breaker Size	Load Type	New/Existing	Description	Circuit
1	EVAPORATOR	N	Misc	20.0	2	0.9			0.7			1	20.0	R	N	REF UNIT	2
3						0.9	0.9		0.5			1	20.0	R	N	RECEPTACLE - TV	4
5	EVAPORATOR	N	Misc	20.0	2			0.9		1.9		1	20.0	R	N	GAS CONVECTION OVEN	6
7						0.9					1.9	1	20.0	R	N	GAS CONVECTION OVEN	8
9	TOILET EXHAUST FAN	N	M	20.0	1			0.2			1.2	1	20.0	R	N	FRY DUMP	10
11	DISHWASHER EXHAUST FAN	N	M	20.0	1			0.2			0.8	3	20.0	MCA	N	MAKE-UP AIR UNIT, MUA1	12
13	DISHWASHER	N	MCA	60.0	3	5.6			0.8								14
15						5.6	5.6		0.8								16
17								5.6		0.5	0.5	3	20.0	M	N	EXHAUST FAN, EF1	18
19	SPARE	N	Spare	20.0	1							1	20.0	Spare	N	SPARE	20
21	CU FOR EVAPORATOR	N	MCA	20.0	2			1.7		0.5	0.5	3	20.0	M	N	EXHAUST FAN, EF2	22
23						1.7	1.7		0.5	0.5							24
25	CU FOR EVAPORATOR	N	MCA	20.0	2	1.7			0.5	0.5		3	20.0	M	N	EXHAUST FAN, EF2	26
27						1.7	1.7		0.5	0.5							28
29	JUNCTION BOX FOR ANSUL SYSTEM	N	Misc	20.0	1			1.0		0.4		1	20.0	R	N	QUAD BY PANELS	30
31	WATER HEATER	N	WH	20.0	1	1.0			0.2			1	20.0	R	N	SERVICE RECEPTACLE ON ROOF	32
33	SPARE	N	Spare	20.0	1							1	20.0	Spare	N	SPARE	34
35	SPARE	N	Spare	20.0	1							1	20.0	Spare	N	SPARE	36
37	SPACE	N	Space									1	20.0	Spare	N	SPACE	38
39	SPACE	N	Space									1	20.0	Spare	N	SPACE	40
41	SPACE	N	Space									1	20.0	Spare	N	SPACE	42
						A	B	C	Total								
Connected Load						14.7	13.6	13.5	41.8								
Connected Amps						122.50	113.33	112.50	116.11								
Demand Load Calculation																	
	Factor	Connected Load (KW)	Demand Load (KW)														
Continuous Loads (C)	1.25	0.0	0.0														
Non-Continuous Loads (NC)	1.00	0.0	0.0														
Lighting (L)	1.25	0.0	0.0														
Receptacles (R) - 1st 10 KVA	1.00	6.8	6.8														
Receptacles (R) - Over 10 KVA	0.50	0.0	0.0														
Motor Loads (M)	1.00	1.4	1.4														