



BAR PLAN
SCALE: 1/4"=1'-0"

PANEL PP (BAR WALL) SECTION 1 120/208 3PH 4W 225 AMP BUS - MLO 42K AIC NEMA TYPE 1 (RECESSED)													
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA
1	BAR ITEM 67 (COOLER COMP)	15	2	9	0.70	7	2	ITEM 66 HEAT TRACE	20	1	15	1.00	15
3				9	0.70	7	4	BAR ITEM 66 (COOLER EVAP)	15	2	1	0.70	1
5	ITEM 70	20	1	13	1.00	13	6						
7	ITEM 72	20	1	15	0.70	11	8	ITEM 65 COOLER POWER	20	1	15	0.70	11
9				26	0.70	18	10	BLENDER STATION (ITEM 79)	20	1	15	0.70	11
11	ITEM 73 (COFFEE BREWER)	35	3	26	0.70	18	12	ITEM 75 (REFRIGERATOR)	20	1	8	1.00	8
13				26	0.70	18	14	BLENDER STATION (ITEM 79)	20	1	15	0.70	11
15	ITEM 72	20	1	15	0.70	11	16				26	0.70	18
17	ITEM 76BAR BACK COOLER	15	1	7	1.00	7	18	ITEM 73 (COFFEE BREWER)	35	3	26	0.70	18
19	ITEM 76BAR BACK COOLER	15	1	7	1.00	7	20				26	0.70	18
21	ITEM 76BAR BACK COOLER	15	1	7	1.00	7	22	ITEM 18 (ICE MAKER)	15	2	14	0.70	10
23	ITEM 76BAR BACK COOLER	15	1	7	1.00	7	24				14	0.70	10
25				14	0.70	10	26	BLENDER STATION (ITEM 79)	20	1	15	0.70	11
27	ITEM 18 (ICE MAKER)	20	2	14	0.70	10	28	ITEM 75 (REFRIGERATOR)	20	1	8	1.00	8
29	BAR RECEIPTS	20	1	6	0.50	3	30	BLENDER STATION (ITEM 79)	20	1	15	0.70	11
31	SPARE	20	1			0	32	WH-1 (STORAGE)	20	1	17	0.70	12
33	SPARE	20	1			0	34	SPARE	20	1			0
35	SPARE	20	1			0	36	SPARE	20	1			0
37	SPARE	20	1			0	38	SPARE	20	1			0
39	SPARE	20	1			0	40	SPARE	20	1			0
41	SPARE	20	1			0	42	SPARE	20	1			0

AT - Amp Trip
P - Poles
A - Amps
CA - Connected Amperes
DF - Demand Factor (1 - .1)
DA - Demand Amperes
MLO - Main Lug Only
MCB - Main Circuit Breaker

Section 1
Tot Amps/PH - Connected Load **143.43**
Demand Factor **74.66%**
Total Amps/PH - Demand **107.08**
Connected KVA **51.61**
Demand KVA **38.53**
Min. Panel Size (Demand x 1.25) - Amps **133.85**

NOTES:
1. PROVIDE ARC FAULT TYPE CIRCUIT BREAKERS IN ACCORDANCE WITH NEC 210.12
2. PROVIDE TAMPER RESISTANT OUTLETS PER NEC 406.11 SECTION 210.52

MK.	QTY	DESCRIPTION	ELECTRICAL			WATER	WASTE	GAS	STEAM	VENTILATION		MAKE-UP AIR		REMARKS
			AMPS	KW	HP					EXHAUST	EXHAUST	SIZE	CFM	
1	1	WALK-IN COOLER	15.0		120									
2	1	EVAPORATOR COIL, COOLER	0.8		208-230	1	X							
3	1	COMPRESSOR, COOLER	7.5		1/2	208-230	1	X						
4	1	WALK-IN COOLER	15.0		120	1	X							
5	1	EVAPORATOR COIL, COOLER	0.8		208-230	1	X							
6	1	COMPRESSOR, COOLER	7.5		1/2	208-230	1	X						
7	1	WALK-IN COOLER	15.0		120	1	X							
8	1	EVAPORATOR COIL, COOLER	0.8		208-230	1	X							
9	1	COMPRESSOR, COOLER	7.5		1/2	208-230	1	X						
10	1	WALK-IN FREEZER	15.0		120	1	X							
11	1	EVAPORATOR COIL, FREEZER	4.3	0.5	115	1	X							
12	1	COMPRESSOR, FREEZER	13.2		2-1/2	208-230	3	X						
13	20	COOLER/FREEZER SHELVING												
14	-	SPARE NUMBER												
15	6	DRY STORAGE SHELVING												
16	5	SHEET PAN RACK												
17	3	ICE STORAGE BIN												
18	3	ICE MAKER	14.2		208	1	X		3/8"				3/4"	
19	5	HAND SINK			120	1	X		1/2"	1-1/2"			3/4"	
20	1	EXHAUST HOOD	15.0		120	1	X		1/2"	1-1/2"			3/4"	
21	1	STONE DECK OVEN W/PROOFER	7.0	3.5	480	1	X		1/2"	3/4"				
22	1	MIXER, 80-QUART	12.0	3	208	3	X							
23	1	BAKER'S TABLE												
24	4	INGREDIENT BIN												
25	1	REFRIGERATOR, 1-SECTION	5.5		1/4	115	1	X						
26	1	MIXER STAND												
27	1	MIXER, 20-QUART	8.0		1/2	120	1	X						
28	1	DOUGH DIVIDER/ROUNDER	4.0		208	1	X							
29	1	MOBILE EQUIPMENT STAND												
30	1	SHELF, COUNTER TOP	4.0		120	1	X							
31	-	SPARE NUMBER												
32	3	DUNNAGE RACK												
33	4	SECURITY CAGE												
34	10	FLOOR WASTE RECEPTACLE							1/2"	1/2"	2"		3/4"	
35	1	MOP SINK							1/2"	1/2"	2"		3/4"	
36	2	CHEMICAL STORAGE SHELVING							1/2"	1/2"	2"		3/4"	
37	1	WORK TABLE WITH SINKS							1/2"	1/2"	2"		3/4"	
38	2	WALL SHELF												
39	-	SPARE NUMBER												
40	1	EXHAUST HOOD	15.0		120	1	X							
41	1	COMBI-OVEN, ROLL-IN	73.0		480	3	X		3/4"				2"	
42	1	RANGE, 6-BURNER									1-1/4"	248		
43	1	RANGE, FRENCH TOP									1-1/4"	95		
44	1	COMBI-OVEN, DOUBLE	26.0	21.0	480	3	X		3/4"		2"		3/4"	
			26.0	21.0	480	3	X		3/4"				3/4"	
45	1	EQUIPMENT STAND												
46	1	CHARBROILER									3/4"	136		
47	1	GRIDDLE									3/4"	108		
48	1	FRYER BATTERY W/FILTER DRAWER	7.0		1/3	115	1	X					3/4"	
49	1	WORK TABLE												
50	4	WORK TABLE												
51	-	SPARE NUMBER												
52	1	SHELVING UNIT												
53	1	DISHTABLE, SOLED							1/2"	1/2"				
54	1	DISPOSER	3.3	2	208	3	X		1/2"	2"				
55	1	DISHWASHER, CONVEYOR-TYPE	58.7	18.0	208	3	X		1/2"	1-1/2"				
56	1	CONDENSATE HOOD	15.0		120	1	X							
57	1	DISHTABLE, CLEAN							1/2"	1/2"	3		2"	
58	1	SINK, 3-COMPARTMENT							1/2"	1/2"	3		2"	
59	8	CATERING STORAGE SHELVING							1/2"	1/2"				
60	12	GLASS RACK DOLLY												
61	6	PLATE DOLLY												
62	1	BOOSTER HEATER	66.7	24.0	208	3	X		3/4"				3/4"	
63	-	SPARE NUMBER												
64	-	SPARE NUMBER												
65	1	WALK-IN BEER COOLER	15.0		120	1	X							
66	1	EVAPORATOR COIL, COOLER	1.4		208-230	1	X						3/4"	
67	1	COMPRESSOR, COOLER	9.3		3/4	208-230	1	X						
68	3	COOLER SHELVING												
69	1	KEG STACKER												
70	1	BEEP LINE CHILLER (BY OTHERS)	15.0		1/3	120	1	X					1/2"	
71	4	DRAFT BEER TOWER (BY OTHERS)											1-1/2"	
72	2	BEVERAGE COUNTER	15.0		120	1	X		1/2"	1/2"	1-1/2"			
73	2	COFFEE BREWER (BY OTHERS)	25.6	9.1	120/208	3	X		3/8"					
74	2	COFFEE DISPENSER (BY OTHERS)												
75	2	REFRIGERATOR, 2-SECTION	8.4		1/3	115	1	X						
76	4	BACK BAR COOLER	6.5		1/4	120	1	X						
77	4	UNDERBAR HAND SINK							1/2"	1/2"	1-1/2"			
78	4	UNDERBAR, DRY WASTE CHUTE												
79	4	UNDERBAR, BLENDER STATION	15.0		115	1	X		1/2"	1/2"	1-1/2"			
80	4	UNDERBAR, DRAMBARD												
81	4	UNDERBAR, SODA GUN HOLDER												
82	4	UNDERBAR, SINGLE SPEED RAIL												
83	4	UNDERBAR, COMBI ICE BIN												
84	4	UNDERBAR, DRAMBARD/GLASS RACK									3/4-1/2"			
85	8	LIQUOR STORAGE SHELVING									1-1/2"			