VERIFY SERIES RATING WITH MANUFACTURER
120/208 Wye
3
4
CU
800 A
Type 1

1				19500	3375								2
3	PANEL M	400 A	3			21315	2800			3	150 A	PANEL LP	4
5								21255	4930				6
7				26325	15620								8
9	PANEL K2	175 A	3			24620	15695			3	125 A	PANEL K1	10
11								24735	15290				12
13	--	--	--	0	0					--	--	--	14
15	--	--	--			0	0			--	--	--	16
17	--	--	--					0	0	--	--	--	18
19	--	--	--	0	0					--	--	--	20
21	--	--	--			0	0			--	--	--	22
23	--	--	--					0	0	--	--	--	24
				64815 VA		64430 VA		66215 VA					
				541 A		537 A		552 A					

HVAC	6850 VA	100.00%	6850 VA	
Kitchen Equipment - Non-Dwelling Unit	152505 VA	65.00%	99125 VA	195460 VA
Lighting - General	3945 VA	125.00%	4930 VA	136925 VA
Other	85 VA	100.00%	85 VA	543 A
Power - General	4140 VA	100.00%	4140 VA	380 A
Receptacle	22290 VA	72.43%	16145 VA	
Lighting	5645 VA	100.00%	5645 VA	

VERIFY SERIES RATING WITH MANUFACTURER
120/208 Wye
3
4
CU
400 A
MDP
Type 1

1				3895	10200								2
3	PANEL IGP	20 A	3			5265	10650			3	20 A	PANEL S	4
5								5585	10270				6
7				2700	2700								8
9	DECK OVEN	30 A	3			2700	2700			3	30 A	DECK OVEN	10
11								2700	2700				12
13				0	0								14
15	RTU-1	60 A	3			0	0			3	50 A	RTU-3	16
17								0	0				18
19				0	0								20
21	RTU-2	60 A	3			0	0			3	50 A	RTU-4	22
23								0	0				24
25	--	--	--	0	0					--	--	--	26
27	--	--	--			0	0			--	--	--	28
29	--	--	--					0	0	--	--	--	30
31	--	--	--	0	0					--	--	--	32
33	--	--	--			0	0			--	--	--	34
35	--	--	--					0	0	--	--	--	36
37	--	--	--	0	0					--	--	--	38
39	--	--	--			0	0			--	--	--	40
41	--	--	--					0	0	--	--	--	42
				19500 VA		21315 VA		21255 VA					
				162 A		180 A		179 A					

HVAC	6240 VA	100.00%	6240 VA	
Kitchen Equipment - Non-Dwelling Unit	31380 VA	65.00%	20395 VA	62070 VA
Power - General	2700 VA	100.00%	2700 VA	45210 VA
Receptacle	21750 VA	72.99%	15875 VA	172 A
				125 A

VERIFY SERIES RATING WITH MANUFACTURER
120/208 Wye
3
4
CU
100 A
M
Type 1

1	PAGER CHARGER	20 A	1	480	260					1	20 A	FAX MACHINE	2
3	CASH REGISTER	20 A	1			230	480			1	20 A	TIMER/SCREEN	4
5	CASH REGISTER	20 A	1					600		1	20 A	LEARNING STATION	6
7	CASH REGISTER	20 A	1	230	540					1	20 A	SECURITY SYSTEM/DIGITAL COMM.	8
9	CASH REGISTER	20 A	1			230	240			1	20 A	DT CAMERAS	10
11	CASH REGISTER	20 A	1					230		1	20 A	SPARE	12
13	CASH REGISTER	20 A	1	230	240					1	20 A	OFFICE - CCTV	14
15	CASH REGISTER	20 A	1			230	360			1	20 A	OFFICE - I.T. EQUIPMENT RACK	16
17	ROPE TERMINAL	20 A	1					230	240	1	20 A	OFFICE - PHONE SYSTEM POWER	18
19	CBD UNIT	20 A	1	360	240					1	20 A	OFFICE - SAFE POWER	20
21	MONITORS (X3)	20 A	1			360	600			1	20 A	OFFICE - CPU/MONITOR POWER	22
23	MONITORS (X3)	20 A	1					1440	480	1	20 A	OFFICE - GENERAL POWER	24
25	MONITORS (X2)	20 A	1	960	360					1	20 A	OFFICE - DMX/UAS RACK	26
27	MONITORS (X2)	20 A	1			960	360			1	20 A	MENU BOARD POWER	28
29	MONITORS (X2)/PAGE BUMP	20 A	1					1140	1000	1	20 A	PREVIEW BOARD/SPEAKER POST...	30
				3895 VA		5265 VA		5585 VA					
				32 A		46 A		48 A					

Power - General	1920 VA	100.00%	1920 VA	
Receptacle	12825 VA	88.99%	11410 VA	14745 VA
				13330 VA
				41 A
				37 A

BAKERY REAR 7
120/208 Wye
3
4
CU
225 A
MDP
Type 1

1	WATER HEATER	20 A	1	360	1485					2	20 A	MICROWAVE	2
3	RECIRC. PUMP/WATER SOFTENER	20 A	1			875	1485						4
5	AIR CURTAIN	20 A	1					610	1485	2	20 A	MICROWAVE	6
7	BAGEL SLICER	20 A	1	815	1485								8
9	BREAD SLICER/HEATED SHELF	20 A	1			970	1485			2	20 A	MICROWAVE	10
11	DOUGH SHEETER/SCALE	20 A	1					650	1485				12
13	U.C. REFRIGERATOR/HEATED...	20 A	1	1670	1485					2	20 A	MICROWAVE	14
15	U.C. REFRIGERATOR/HEATED...	20 A	1			1030	1485						16
17	U.C. REFRIGERATOR	20 A	1					1105	865	2	20 A	SOUP STATION	18
19	SANDWICH PREP-TOP	20 A	1	1080	865								20
21	SANDWICH PREP-TOP	20 A	1			1080	645			2	20 A	SOUP STATION	22
23	SANDWICH PREP-TOP	20 A	1					1080	645				24
25	SALAD PREP-TOP/SALAD CRISPER	20 A	1	1285	1020					2	20 A	ICE MACHINE	26
27	SALAD PREP-TOP/SALAD CRISPER	20 A	1			1285	1020						28
29	TOPPINGS STATIONS	20 A	1					1200	1450	2	20 A	EGG STATION	30
31	CATERING PREP COOLER	20 A	1	1080	1450								32
33	BLENDER	20 A	1			1800	1510			2	20 A	CONVEYOR TOASTER	34
35	BLENDER	20 A	1					1800	1510				36
37	DT SODA DISPENSE/CARBONATOR	20 A	1	1535	0					1	20 A	SPARE	38
39	BEVERAGE DISPENSER	20 A	1			1020	0			1	20 A	SPARE	40
41	BOH ICE MAKER	20 A	1					1405	0	1	20 A	SPARE	42
				15620 VA		15695 VA		15290 VA					
				131 A		131 A		127 A					

HVAC	610 VA	100.00%	610 VA	
Kitchen Equipment - Non-Dwelling Unit	45275 VA	65.00%	29430 VA	46605 VA
Power - General	720 VA	100.00%	720 VA	30760 VA
				129 A
				85 A

VERIFY SERIES RATING WITH MANUFACTURER
120/208 Wye
3
4
CU
MDP
Type 1

1	DINING TRACK LIGHTING	20 A	1	240	840					1	20 A	SERVICE LIGHTING	2
3	DINING TRACK LIGHTING	20 A	1			360	350			1	20 A	CONSOLIDATION LIGHTING	4
5	SERVICE TRACK LIGHTING	20 A	1					180		1	20 A	BOH GENERAL LIGHTING	6
7	--	--	--	0	1095					1	20 A	RESTROOM LIGHTING REF-4	8
9	--	--	--			0				1	20 A	COOLER/FREEZER LIGHTING	10
11	--	--	--					1795		1	20 A	DINING GENERAL LIGHTING	12
13	--	--	--	0	340					1	20 A	DINING GENERAL DOWN LIGHTING	14
15	--	--	--				0			1	20 A	SPARE	16
17	--	--	--					0		1	20 A	SPARE	18
19	--	--	--		0					1	20 A	SPARE	20
21	--	--	--			0	0			1	20 A	SPARE	22
23	--	--	--					0	0	1	20 A	SPARE	24
25	TIMECLOCK	20 A	1	360	0					1	20 A	SPARE	26
27	EXTERIOR LIGHTING	20 A	1				0			1	20 A	SPARE	28
29	PATIO LIGHTING	20 A	1					160	0	1	20 A	SPARE	30
31	--	--	--							1	20 A	SPARE	32
33	EXTERIOR SIGNAGE LIGHTING	20 A	1			840	0			1	20 A	SPARE	34
35	EXTERIOR PANERA AND DT SIGN	20 A	1					1000	0	1	20 A	SPARE	36
37	EXTERIOR PANERA SIGN	20 A	1	500	0					1	20 A	SPARE	38
39	EXTERIOR PANERA SIGN	20 A	1			500	0			1	20 A	SPARE	40
41	EXTERIOR PANERA AND DT SIGN	20 A	1					1000	0	1	20 A	SPARE	42
				3375 VA		2800 VA		4930 VA					
				29 A		23 A		42 A					

Kitchen Equipment - Non-Dwelling Unit	530 VA	100.00%	530 VA	
Lighting - General	3945 VA	125.00%	4930 VA	11100 VA
Other	85 VA	100.00%	85 VA	12085 VA
Power - General	360 VA	100.00%	360 VA	31 A
Receptacle	540 VA	100.00%	540 VA	34 A
Lighting	5645 VA	100.00%	5645 VA	

VERIFY SERIES RATING WITH MANUFACTURER
120/208 Wye
3
4
CU
225 A
MDP
Type 1

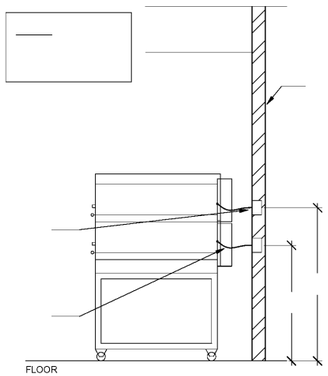
1				530	2235								2
3	RACK OVEN	20 A	3			530	2235			3	30 A	FREEZER CONDENSING UNIT	4
5								530	2235				6
7				4445	925								8
9	PROOFER	50 A	3			4445	925			3	20 A	COOLER CONDENSING UNIT	10
11								4445	925				12
13				2400	925								14
15	COFFEE MAKER	30 A	3			2400	925			3	20 A	DOUGH COOLER CONDENSING UNIT	16
17								2400	925				18
19				3000	4160								20
21	SOUP RETHERMALIZER	35 A	3			3000	4160			2	50 A	BATCH OVEN	22
23								3000	4160				24
25				735	4160					2	50 A	BATCH OVEN	26
27	FREEZER EVAPERATOR/DOOR	20 A	2			735	4160						28
29	RACK OVEN EXHAUST FAN EF-1	20 A	1					970	4160	2	50 A	BATCH OVEN	30
31	DECK OVEN EXHAUST FAN EF-2	20 A	1	480	890					1	20 A	RACK OVEN CONTROLS	32
33	DISHWASHER EXHAUST FAN EF-3	20 A	1			480	625			1	20 A	COOLER EVAPERATOR	34
35	PHASE LOSS POWER	20 A	1					625		1	20 A	FREEZER EVAPERATOR/DOOR	36
37				0	1440					1	20 A	DISHWASHER	38
39	PHASE LOSS MONITOR	20 A	3			0				1	20 A	SPARE	40
41								0		1	20 A	SPARE	42
				26325 VA		24620 VA		24735 VA					
				220 A		205 A		206 A					

Kitchen Equipment - Non-Dwelling Unit	75320 VA	65.00%	48960 VA	75680 VA
Power - General	360 VA	100.00%	360 VA	49320 VA
				210 A
				137 A

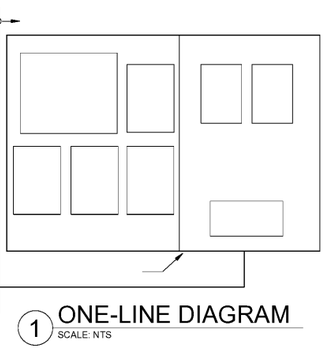
VERIFY SERIES RATING WITH MANUFACTURER
120/208 Wye
3
4
CU
225 A
M
Type 1

1	DT WINDOW	20 A	1	600	240					1	20 A	HAND TOWEL DISP. POWER	2
3	HEAT TAPE	20 A	1			180	2400			1	20 A	KIOSK RECEPTACLES	4
5	MERCHANDISE CASE	20 A	1					1850	900	1	20 A	DINING CONVENIENCE POWER	6
7	BEVERAGE DISPENSER	20 A	1	1020	1020					1	20 A	DINING CONVENIENCE POWER	8
9	BEVERAGE DISPENSER	20 A	1			1020	900			1	20 A	DINING CONVENIENCE POWER	10
11	MICROWAVE	20 A	1					1560	1080	1	20 A	COMMUNITY TABLE POWER	12
13	TEA BREWER	20 A	1	1705	840					1	20 A	BOH GENERAL POWER	14
15	TABLE SERVICE OUTLETS	20 A	1			830	0			1	20 A	SPARE	16
17	SPARE	20 A	1					0	720	1	20 A	ROOF GENERAL POWER	18
19	DINING SODA DISPENSER	20 A	1	1535	0					1	20 A	SPARE	20
21	SPARE	20 A	1			0	0			1	20 A	SPARE	22
23	DINING ICE MAKER	20 A	2					1040	0	1	20 A	SPARE	24
25				1040	2200								26
27	AIR CURTAIN	30 A	2			3120	2200			2	30 A	ESPRESSO MACHINE	28
29								3120	0	1	20 A	SPARE	30
				10200 VA		10650 VA		10270 VA					
				85 A		89 A		86 A					

HVAC	6240 VA	100.00%	6240 VA	
Kitchen Equipment - Non-Dwelling Unit	15165 VA	65.00%	9860 VA	31115 VA
Power - General	780 VA	100.00%	780 VA	25805 VA
Receptacle	8930 VA	100.00%	8930 VA	86 A
				72 A



2 DECK OVEN ELECTRICAL CONNECTIONS
SCALE: NTS



1 ONE-LINE DIAGRAM
SCALE: NTS

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