

NEW PANEL: A											
400A MCB 120/ 208 V, 3PH, 4W+GRND.											
CCT	SERVES	VA	OCF	WIRE	PHASE	WIRE	OCF	VA	SERVES		CCT
1	PANEL 'POS'	2760	100/3	4#1.#8G,.#8IG,.2"C.	A	2#12.#12G,.3/4"C.	20/1	1176	20 QT. MIXER (306)		2
3	---	2600	-	---	B	2#12.#12G,.3/4"C.	20/1	1848	HOT WATER MACHINE (308)		4
5	---	2800	-	---	C	2#12.#12G,.3/4"C.	20/2	1300	ICE MAKER W/O BIN (320)		6
7	---	1664	20/1	32#12.#12G,.3/4"C.	A	---	---	1300	---		8
9	---	1664	20/1	---	B	2#10.#10G,.3/4"C.	30/1	2004	MOBILE PROOFING CABINET (400)		10
11	INFUSION COFFEE/TEA BREWER (153)	1660	20/1	2#12.#12G,.3/4"C.	C	2#12.#12G,.3/4"C.	20/1	1200	ELECTRONIC SCALE (403)		12
13	CARBONATOR (158.1)	864	20/1	2#12.#12G,.3/4"C.	A	2#12.#12G,.3/4"C.	20/1	792	SLICER (404)		14
16	CARBONATOR (158.1)	864	20/1	2#12.#12G,.3/4"C.	B	2#12.#12G,.3/4"C.	20/1	588	SANDWICH PREP/SALAD UNIT (410)		16
17	FOOD WARMER (172)	1600	20/1	2#12.#12G,.3/4"C.	C	2#12.#12G,.3/4"C.	20/1	1800	WALK-IN COOLER LTH/HTR (430)		18
19	FOOD WARMER (172)	1600	20/1	2#12.#12G,.3/4"C.	A	2#12.#12G,.3/4"C.	20/1	584	WALK-IN COOLER EVAPORATOR (430.1)		20
21	FINISH TABLE (200)	936	20/1	2#12.#12G,.3/4"C.	B	3#12.#12G,.3/4"C.	20/3	636	WALK-IN COOLER CONDENSOR (430.2)		22
23	MEAT/CHEESE TABLE (207)	1176	20/1	2#12.#12G,.3/4"C.	C	---	-	636	---		24
26	DOUBLE STACK OVEN (210)	1352	60/3	3#6.#10G,.3/4"C.	A	---	-	636	---		26
27	---	2600	-	---	B	2#12.#12G,.3/4"C.	20/1	1800	WALK-IN FREEZER LTH/HTR (431)		28
29	---	984	-	---	C	3#12.#12G,.3/4"C.	20/2	728	WALK-IN FREEZER EVAPORATOR		30
31	ICE MACHINE (216) W/REMOTE COND	2760	30/1	2#10.#10G,.3/4"C.	A	---	-	728	AND TIMECLOCK (431.1)		32
33	SODA DISPENSER (217)	720	20/1	2#12.#12G,.3/4"C.	B	3#12.#12G,.3/4"C.	20/3	1080	WALK-IN FREEZER CONDENSOR (431.2)		34
36	LEMONADE DISPENSER (218)	1200	20/1	2#12.#12G,.3/4"C.	C	---	-	1080	---		36
37	CONVECTION OVEN (301)	3960	60/3	3#6.#10G,.3/4"C.	A	---	-	1080	---		38
38	---	3960	-	---	B	---	-	---	SPARE		40
41	---	3960	-	---	C	2#12.#12G,.3/4"C.	20/1	1200	DROP-IN SODA DISPENSER (479)		42
43	MICROWAVE OVEN (B15)	1800	20/1	2#12.#12G,.3/4"C.	A	2#6.#10G,.3/4"C.	50/2	3900	CONVECTION OVEN (B13)		44
45	HEATED HOLDING CABINET (B42-36)	900	20/1	2#12.#12G,.3/4"C.	B	---	-	3900	---		46
47	EXTERIOR RECEPTACLES	180	20/1	2#12.#12G,.3/4"C.	C	2#12.#12G,.3/4"C.	20/1	1200	PUSHBUTTON / BELL		48
49	GENERAL RECEPTACLES	360	20/1	2#12.#12G,.3/4"C.	A	2#12.#12G,.3/4"C.	20/1	400	DRIVE THRU MENU		50
51	GENERAL RECEPTACLES	360	20/1	2#12.#12G,.3/4"C.	B	2#12.#12G,.3/4"C.	20/1	720	DRIVE THRU RECEPTACLES		52
63	LIGHTING (SWITCHES 'a and b')	1440	20/1	2#12.#12G,.3/4"C.	C	2#12.#12G,.3/4"C.	20/1	1200	BUILDING SIGNAGE		54
55	LIGHTING (SWITCHES 'e and f')	1120	20/1	2#12.#12G,.3/4"C.	A	2#12.#12G,.3/4"C.	20/1	1200	BUILDING SIGNAGE		56
57	LIGHTING (SWITCHES 'g and h')	880	20/1	2#12.#12G,.3/4"C.	B	2#12.#12G,.3/4"C.	20/1	360	ROOFTOP RECEPTACLES		58
59	LIGHTING (SWITCH 'i')	464	20/1	2#12.#12G,.3/4"C.	C	2#12.#12G,.3/4"C.	20/1	1440	KEF-1		60
61	LIGHTING (SWITCH 'j')	120	20/1	2#12.#12G,.3/4"C.	A	3#6.#10G,.3/4"C.	50/3	6124	RTU-1		62
63	LIGHTING (SWITCHES 'k and l')	666	20/1	2#12.#12G,.3/4"C.	B	---	-	6124	HACR		64
66	ARCTIC FLAVOR BLEND (A51-02)	1200	20/1	2#12.#12G,.3/4"C.	C	---	-	6124	---		66
67	SOFT SERVE MACHINE (A-19)	3072	40/3	3#8.#10G,.3/4"C.	A	3#4.#10G,.3/4"C.	60/3	6036	RTU-2		68
69	---	3072	-	---	B	---	-	6036	HACR		70
71	---	3072	-	---	C	---	-	6036	---		72
73	LIGHTING (SWITCHES 'k and l')	720	20/1	2#12.#12G,.3/4"C.	A	---	-	---	SPACE		74
75	SPACE	---	---	---	B	---	-	---	SPACE		76
77	GENERAL RECEPTACLES	720	20/1	2#12.#12G,.3/4"C.	C	2#12.#12G,.3/4"C.	20/1	900	SHOW WINDOW RECEPTACLES		78
79	HOT TOPPING SERVER (A53-02)	996	20/1	2#12.#12G,.3/4"C.	A	---	-	---	SPACE		80
81	SPARE	20/1	---	---	B	---	-	---	SPACE		82
83	WATER HEATER WH-1	200	20/1	2#12.#12G,.3/4"C.	C	---	-	---	SPACE		84
NOTES:											
1 NEMA 1 ENCLOSURE											
2 PROVIDE BOLT ON BREAKERS											
LOAD SUMMARY											
1-LIGHTING											
2-RECEPTACLES											
3-KITCHEN											
4-HVAC											
5-NON-CONT											
LARGEST MOTOR											
TOTAL VA											
TOTAL AMPS											
LOAD BALANCE PER PHASE											
PHASE A											
PHASE B											
PHASE C											
LOWEST PHASE PLUS 10%											
PHASES ARE BALANCED											

NEW PANEL: POS											
100A MLO 120/ 208 V, 3PH, 4W+GRND.+ISOL GRND											
CCT	SERVES	VA	OCF	WIRE	PHASE	WIRE	OCF	VA	SERVES		CCT
1	TELEPHONE/DMARK	600	20/1	2#12.#12G,.#12IG,.3/4"C.	A	2#12.#12G,.#12IG,.3/4"C.	20/1	600	DRIVE THRU- MONITOR (128)		2
3	FACE/SECURITY PANELS	600	20/1	2#12.#12G,.#12IG,.3/4"C.	B	2#12.#12G,.#12IG,.3/4"C.	20/1	600	FRONT COUNTER POS (128)		4
5	OFFICE COMPUTER	600	20/1	2#12.#12G,.#12IG,.3/4"C.	C	2#12.#12G,.#12IG,.3/4"C.	20/1	600	FRONT COUNTER POS (128)		6
7	OFFICE COMPUTER	600	20/1	2#12.#12G,.#12IG,.3/4"C.	A	2#12.#12G,.#12IG,.3/4"C.	20/1	600	FRONT COUNTER POS (128)		8
9	OFFICE MONITOR	800	20/1	2#12.#12G,.#12IG,.3/4"C.	B	2#12.#12G,.#12IG,.3/4"C.	20/1	600	DRIVE-THRU POS (128)		10
11	OFFICE RECEPTACLES	800	20/1	2#12.#12G,.#12IG,.3/4"C.	C	2#12.#12G,.#12IG,.3/4"C.	20/1	800	OFFICE PRINTER		12
13	SPACE	-	---	---	A	2#12.#12G,.#12IG,.3/4"C.	20/1	360	OFFICE RECEPTACLES		14
15	SPACE	-	---	---	B	---	-	---	SPACE		16
17	SPACE	-	---	---	C	---	-	---	SPACE		18
19	SPACE	-	---	---	A	---	-	---	SPACE		20
21	SPACE	-	---	---	B	---	-	---	SPACE		22
23	SPACE	-	---	---	C	---	-	---	SPACE		24
25	SPACE	-	---	---	A	---	-	---	SPACE		26
27	SPACE	-	---	---	B	---	-	---	SPACE		28
29	SPACE	-	---	---	C	---	-	---	SPACE		30
31	SPACE	-	---	---	A	---	-	---	SPACE		32
33	SPACE	-	---	---	B	---	-	---	SPACE		34
35	SPACE	-	---	---	C	---	-	---	SPACE		36
37	SPACE	-	---	---	A	---	-	---	SPACE		38
39	SPACE	-	---	---	B	---	-	---	SPACE		40
41	SPACE	-	---	---	C	---	-	---	SPACE		42
NOTES:											
1 NEMA 1 ENCLOSURE											
2 PROVIDE BOLT ON BREAKERS											
3 PROVIDE INSULATED ISOLATED GROUND											
LOAD SUMMARY											
1-LIGHTING											
2-RECEPTACLES											
3-KITCHEN											
4-HVAC											
5-NON-CONT											
LARGEST MOTOR											
TOTAL VA											
TOTAL AMPS											
LOAD BALANCE PER PHASE											
PHASE A											
PHASE B											
PHASE C											
LOWEST PHASE PLUS 10%											
PHASES ARE BALANCED											

ELECTRICAL SYMBOLS			
DETAIL		DESCRIPTION	
	FLUORESCENT FIXTURE		DISCONNECT SWITCH
	FIXTURE ON NIGHT LIGHT OR EMERG. CIRCUIT		PAGER OUTLET
	WALL MOUNTED EXIT LIGHT (SOLID INDICATES FACE)		SECURITY JUNCTION BOX
	CEILING MOUNTED EXIT LIGHT (SOLID INDICATES FACE)		TELEVISION JACK
	WALL MOUNTED INCANDESCENT FIXTURE		PANELBOARD
	CEILING MOUNTED INCANDESCENT FIXTURE		TRANSFORMER
	EMERGENCY BATTERY PACK		LOW VOLTAGE DOORBELL TRANSFORMER
	WALL MOUNTED JUNCTION BOX		SWITCHED CIRCUITRY BURIED OR IN SLAB
	CEILING MOUNTED JUNCTION BOX		CIRCUITRY IN WALL OR CEILING
	WALL MOUNTED DUPLEX RECEPTACLE		HOMERUN BACK TO PANEL
	FLOOR MOUNTED DUPLEX RECEPTACLE		POINT OF CONNECTION
	WALL MOUNTED SINGLE RECEPTACLE		ISOLATED GROUND
	FLOOR MOUNTED SINGLE RECEPTACLE		WEATHERPROOF
	SPECIAL RECEPTACLE		GROUND FAULT CIRCUIT INTERRUPTER
	SPECIAL RECEPTACLE		MOTOR CONTROL TERMINAL
	WALL MOUNTED QUADPLEX RECEPTACLE		PRIOR TO ROUGH-IN
	FLOOR MOUNTED QUADPLEX RECEPTACLE		INTEGRATED FACILITY STRUCTURE (SWITCHGEAR)
	ABOVE COUNTER RECEPTACLE		INTEGRATED POWER CENTER (SWITCHGEAR)
	SINGLE POLE SWITCH		FIRE ALARM CONTROL PANEL
	PILOT LIGHT SWITCH		FIRE ALARM ANNUNCIATOR PANEL
	SINGLE THROW THERMAL SWITCH		FIRE ALARM PULL STATION
	MOTOR RATED SWITCH		FIRE ALARM HORN/STROBE DEVICE
	BUZZER		FIRE ALARM STROBE DEVICE
	BELL		FIRE ALARM SMOKE DETECTOR
	PUSHBUTTON (MOMENTARY)		FIRE ALARM HEAT DETECTOR
	MOTOR		FIRE ALARM DUCT SMOKE DETECTOR
	TELEPHONE BACKBOARD		REMOTE TEST SWITCH
	TELEPHONE OUTLET		TAMPER SWITCH
	FLOOR MOUNTED TELEPHONE OUTLET		FLOW SWITCH
	POS CONNECTION		
	FLOOR MOUNTED POS CONNECTION		
	COMBINATION DATA AND PHONE JACK		
	FLOOR MOUNTED COMBINATION DATA AND PHONE JACK		
NOTE: NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS.			