

A **PANELBOARD** 208Y/120V, 3PH, 4W 225 A M.L.O. (42K) AIC, SERIES RATED SURFACE, NEMA 1

LOCATION: KITCHEN
SUPPLY FROM: PANEL M
UPSTREAM OCPD: 225 A
SERVES: BOJANGLES

CKT	Circuit Description	Wire	Trip	Poles	A	B	C	Poles	Trip	Wire	Circuit Description	CKT		
1	MARINATOR (2)	12	20 A	1	0.32	0.84				12	REACH-IN FREEZER (4)	2		
3	CHICKEN COOLER EVAP. (2)	12	20 A	2		1.07	0.19			12	BREAD MACHINE 1 (4)	4		
5										12	IG REC - POS SYSTEM 2 (1,4)	6		
7	CHICKEN COOLER HT (2,5)	12	20 A	1	0.50	0.80				12	IG REC - POS MONITORS (1)	8		
9	SPARE	--	20 A	1		0.00	0.50			12	DT WINDOW OPERATOR (2)	10		
11	SPARE	--	20 A	1			0.00	0.30		12	UC REFRIGERATOR (4)	12		
13	SPARE	--	20 A	1	0.00	0.36				12	DISPENSERS (4)	14		
15	SPARE	--	20 A	1		0.00	0.79			12		16		
17	SPARE	--	20 A	1			0.00	0.79		3	20 A	12	COOLER CONDENSER	18
19	SPARE	--	20 A	1	0.00	0.79						20		
21	FREEZER EVAP. (2)	12	20 A	2		1.07	0.67					22		
23										3	20 A	12	CHICKEN COOLER CONDENSER	24
25	FREEZER HT (2,5)	12	20 A	1	0.50	0.67						26		
27	IG REC - OFFICE (1)	12	20 A	1		0.60	1.51					28		
29	HOOD LTG/CONTROLS (2)	12	20 A	1			0.50	1.51		3	20 A	12	FREEZER CONDENSER	30
31	UC COOLER 1 (4)	12	20 A	1	0.40	1.51				1	20 A	12	FOG TANK	32
33	UC COOLER 2 (4)	12	20 A	1		0.30	1.50			1	20 A	12	PROOF/HOT CABINET (4)	34
35	LEMONADE DISP. (4)	12	20 A	1			1.61	2.00		1	20 A	12	BREADING STATION (4)	36
37	SODA TOWER (10)	12	20 A	1	0.50	0.60				1	20 A	12	BREAD MACHINE 2 (4)	38
39	IG REC - POS SYSTEM 1 (1,2)	12	20 A	1		0.66	0.19			1	20 A	12	FOH ICE MAKER/CONDENSER (4)	40
41	TIMERS (4)	12	20 A	1			0.36	1.65		2	20 A	12	EQUIPPED SPACE	44
43	REC - CONV (4)	12	20 A	1	0.72	1.65				1	--		EQUIPPED SPACE	46
45	HOOD LTG/CONTROLS (2)	12	20 A	1		1.00	--			1	--		EQUIPPED SPACE	48
47	SPARE	--	20 A	1			0.00	--		1	--		EQUIPPED SPACE	50
49	HOT WATER DISPENSER (4)	10	20 A	2	2.50	--				1	--		EQUIPPED SPACE	52
51										1	--		EQUIPPED SPACE	54
53	TEA TIMER (4)	12	20 A	1			0.50	--		1	--		EQUIPPED SPACE	54
					TOTAL CONNECTED KVA:	12.66 kVA	12.55 kVA	12.54 kVA						
					TOTAL CONNECTED AMPS:	105.55 A	104.60 A	104.48 A						

PER NEC ARTICLE 220

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	TOTAL DEMAND	PANEL TOTALS
CONTINUOUS	0 VA			
NON-CONTINUOUS	300 VA	100.00%	300 VA	TOTAL CONN. LOAD: 37751 VA
LIGHTING	0 VA			TOTAL DEMAND LOAD: 33131 VA
RECEPTACLES	4120 VA	100.00%	4120 VA	TOTAL CONN. CURRENT: 105 A
MOTORS	0 VA			TOTAL DEMAND CURRENT: 92 A
KITCHEN	13714 VA	65.00%	8914 VA	
REFRIGERATION	16897 VA	100.00%	16897 VA	
HVAC COOL	0 VA	100.00%	0 VA	
HVAC HEAT	0 VA	0.00%	0 VA	

D **PANELBOARD** 208Y/120V, 3PH, 4W 400 A M.L.O. (22K) AIC, SERIES RATED SURFACE, NEMA 1

LOCATION: KITCHEN
SUPPLY FROM: PANEL M
UPSTREAM OCPD: 400 A
SERVES: BOJANGLES

CKT	Circuit Description	Wire	Trip	Poles	A	B	C	Poles	Trip	Wire	Circuit Description	CKT		
1					5.67	1.87						2		
3	FRYER (4)	4	60 A	3		5.67	1.87			3	30 A	10	BLODGETT OVEN (2)	4
5					5.67	1.87						6		
7					5.67	1.87						8		
9	FRYER (4)	4	60 A	3		5.67	1.87			3	30 A	10	BLODGETT OVEN (2)	10
11					5.67	1.87						12		
13					5.67	1.87						14		
15	FRYER (4)	4	60 A	3		5.67	1.87			3	30 A	10	BLODGETT OVEN (2)	16
17					5.67	1.87						18		
19					5.67	1.87						20		
21	FRYER (4)	4	60 A	3		5.67	1.87			3	30 A	10	BLODGETT OVEN (2)	22
23					5.67	1.87						24		
25					5.67	1.87						26		
27	FRYER (4)	4	60 A	3		5.67	2.00			3	30 A	10	EGG GRILL (2)	28
29					5.67	2.00						30		
31					2.50	4.35				3	50 A	6	MEAT GRILL (2)	32
33	DUAL IND. RANGE (2)	6	50 A	2		2.50	4.35					34		
35					2.50	--				1	--		EQUIPPED SPACE	36
37					2.50	--				1	--		EQUIPPED SPACE	38
39	REFRIGERATOR EQ STAND (4)	12	20 A	1		0.36	--			1	--		EQUIPPED SPACE	40
41	EQUIPPED SPACE	--	--	1		--	--			1	--		EQUIPPED SPACE	42
					TOTAL CONNECTED KVA:	47.15 kVA	45.01 kVA	44.65 kVA						
					TOTAL CONNECTED AMPS:	393.40 A	375.57 A	372.11 A						

PER NEC ARTICLE 220

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	TOTAL DEMAND	PANEL TOTALS
CONTINUOUS	0 VA			
NON-CONTINUOUS	0 VA			TOTAL CONN. LOAD: 136818 VA
LIGHTING	0 VA			TOTAL DEMAND LOAD: 88932 VA
RECEPTACLES	0 VA			TOTAL CONN. CURRENT: 380 A
MOTORS	0 VA			TOTAL DEMAND CURRENT: 247 A
KITCHEN	136818 VA	65.00%	88932 VA	
REFRIGERATION	0 VA			
HVAC COOL	0 VA	100.00%	0 VA	
HVAC HEAT	0 VA	0.00%	0 VA	

B **PANELBOARD** 208Y/120V, 3PH, 4W 225 A M.L.O. (42K) AIC, SERIES RATED SURFACE, NEMA 1

LOCATION: KITCHEN
SUPPLY FROM: PANEL M
UPSTREAM OCPD: 225 A
SERVES: BOJANGLES

CKT	Circuit Description	Wire	Trip	Poles	A	B	C	Poles	Trip	Wire	Circuit Description	CKT			
1	CHICKEN COOLER HT/LTG (2)	12	20 A	1	1.56	1.08				1	20 A	12	REC - DINING	2	
3	COOLER HT/LTG (2)	12	20 A	1		1.56	0.54			1	20 A	12	REC - SIGNAGE	4	
5	FREEZER HT/LTG (2)	12	20 A	1			1.56	0.18		1	20 A	12	EF-1	6	
7	INSECT FAN (2)	12	20 A	1	0.92	0.36				1	20 A	12	REC - ROOF	8	
9	WIRELESS PHONE SYSTEM (4)	12	20 A	1		0.36	0.18			1	20 A	12	HEF-2	10	
11	BAG N BOX (1,4)	12	20 A	1		0.18	0.18			1	20 A	12	HEF-1	12	
13	RE-CIRC PUMP	12	20 A	1	0.18	0.18				1	20 A	12	HEF-3	14	
15	MARINATOR (2)	12	20 A	1		0.82	0.00			1	20 A	--	SPARE	16	
17	COOLER EVAP. (2)	12	20 A	1			0.28	0.00		1	20 A	--	SPARE	18	
19	PA SYSTEM	12	20 A	1	1.10	0.00				1	20 A	--	SPARE	20	
21	SECURITY SYSTEM (4)	12	20 A	1		0.18	0.91					22			
23	TIMERS (4)	12	20 A	1			0.72	0.91		3	15 A	12	MAU-1 (CU-1)	24	
25	HOOD FIRE SUPP (3)	12	20 A	1	1.50	0.91						26			
27	ICE MACHINE (2)	12	20 A	2		1.37	2.88			3	30 A	10	MAU-1 (CU-2)	28	
29								1.37	2.88						30
31	DT SODA DISPENSER (4)	12	20 A	1	0.62	2.88									32
33	COMM/ORDER SYSTEM (4)	12	20 A	1		0.18	1.45			2	30 A	10	DT ICE DISPENSER & CONDENSER	34	
35	COFFEE BREWER 1 (4)	12	20 A	2		1.45	0.62			1	20 A	12	DRINK DISPENSER (4)	36	
37								1.45	1.45						38
39	COFFEE BREWER 2 (4)	12	20 A	2		1.45	0.18			1	20 A	12	CARBO TANK	40	
41								1.45	--	1	--		EQUIPPED SPACE	42	
					TOTAL CONNECTED KVA:	13.37 kVA	12.06 kVA	12.61 kVA							
					TOTAL CONNECTED AMPS:	112.12 A	100.52 A	105.81 A							

PER NEC ARTICLE 220

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	TOTAL DEMAND	PANEL TOTALS
CONTINUOUS	0 VA			
NON-CONTINUOUS	500 VA	100.00%	500 VA	TOTAL CONN. LOAD: 38044 VA
LIGHTING	180 VA			TOTAL DEMAND LOAD: 34087 VA
RECEPTACLES	2520 VA	100.00%	2520 VA	TOTAL CONN. CURRENT: 106 A
MOTORS	11376 VA			TOTAL DEMAND CURRENT: 95 A
KITCHEN	11948 VA	65.00%	7766 VA	
REFRIGERATION	3020 VA	100.00%	3020 VA	
HVAC COOL	0 VA	100.00%	0 VA	
HVAC HEAT	0 VA	0.00%	0 VA	

C **PANELBOARD** 208Y/120V, 3PH, 4W 225 A M.L.O. (42K) AIC, SERIES RATED SURFACE, NEMA 1

LOCATION: KITCHEN
SUPPLY FROM: PANEL M
UPSTREAM OCPD: 225 A
SERVES: BOJANGLES

CKT	Circuit Description	Wire	Trip	Poles	A	B	C	Poles	Trip	Wire	Circuit Description	CKT		
1	LTG - EXT (7)	12	20 A	1	0.50	--				1	--		EQUIPPED SPACE	2
3	LTG - KITCHEN	12	20 A	1		0.82	--			1	--		EQUIPPED SPACE	4
5	SIDE BUILDING SIGNAGE (2,7)	12	20 A	1		1.04	--			1	--		EQUIPPED SPACE	6
7	LTG - SERVRY/DINING	12	20 A	1		1.00	--			1	--		EQUIPPED SPACE	8
9	FRONT BUILDING SIGNAGE (2,7)	12	20 A	1		1.00	--			1	--		EQUIPPED SPACE	10
11	REC - KITCHEN (4)	12	20 A	1			0.72	--		1	--		EQUIPPED SPACE	12
13	REC - OFFICE 1	12	20 A	1	0.36	--				1	--		EQUIPPED SPACE	14
15	REC - OFFICE 2	12	20 A	1		0.36	--			1	--		EQUIPPED SPACE	16
17	IG REC - POS KIOSK (1,4)	12	20 A	1			0.36	--		1	--		EQUIPPED SPACE	18
19	REC - DRIVETHRU	12	20 A	1	0.18	--				1	--		EQUIPPED SPACE	20
21							0.55	--		1	--		EQUIPPED SPACE	22
23	REC - DRIVETHRU 208V	12	20 A	2			0.55	--		1	--		EQUIPPED SPACE	24
25	REC - DINING 1	12	20 A	1	0.90	--				1	--		EQUIPPED SPACE	26
27	REC - DINING 2 (1)	12	20 A	1		0.72	--			1	--		EQUIPPED SPACE	28
29	DRIVETHRU MENUBOARD (4)	12	20 A	1			1.20	--		1	--		EQUIPPED SPACE	30
31	LC2 PILOT	12	20 A	1	0.10	--				1	--		EQUIPPED SPACE	32
33	EQUIPPED SPACE	--	--	1		--	--			1	--		EQUIPPED SPACE	34
35	EQUIPPED SPACE	--	--	1		--	--			1	--		EQUIPPED SPACE	36
37	EQUIPPED SPACE	--	--	1		--	--			1	--		EQUIPPED SPACE	38
39	EQUIPPED SPACE	--	--	1		--	--			1	--		EQUIPPED SPACE	40
41	EQUIPPED SPACE	--	--	1		--	--			1	--		EQUIPPED SPACE	42
					TOTAL CONNECTED KVA:	3.08 kVA	3.45 kVA	3.83 kVA						
					TOTAL CONNECTED AMPS:	25.65 A	29.18 A	32.39 A						

PER NEC ARTICLE 220

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	TOTAL DEMAND	PANEL TOTALS
CONTINUOUS	0 VA			
NON-CONTINUOUS	1200 VA	100.00%	1200 VA	TOTAL CONN. LOAD: 10353 VA
LIGHTING	4353 VA			TOTAL DEMAND LOAD: 11441 VA
RECEPTACLES	3060 VA	100.00%	3060 VA	TOTAL CONN. CURRENT: 29 A
MOTORS	0 VA			TOTAL DEMAND CURRENT: 32 A
KITCHEN	0 VA			