

LP1		NEW PANELBOARD		208Y/120V, 3PH, 4W		400A M.C.B.		(42K) A/C, SERIES RATED		SURFACE MOUNT		GROUND BAR		ISOLATED GROUND	
CK	LOAD SERVED	WIRE	BRKR	PL	PHASE A	PHASE B	PHASE C	PL	BRKR	WIRE	LOAD SERVED	CK			
1	IG REC - DATA RACK (N,1)	12	20	1	0.36	1.53		1	20	12	LTG - SALES FLOOR (N)	2			
3	IG REC - CASHIER (N,1)	12	20	1		0.36	1.19		1	20	12	LTG - FOOD PREP (N)	4		
5	REC - BACKSTOCK (N)	12	20	1			0.54	0.51	1	20	12	LTG - SHOWERS (N)	6		
7	DOOR HEATERS (N,2)	12	20	1	1.00	0.72			1	20	12	REC - WOMEN'S (N,4)	8		
9	HEAT TAPE (N,2,5)	12	20	1		0.50	1.40		1	20	12	WOMEN'S HAND DRYER (N,2)	10		
11	EP-4 (N)	12	20	1			0.22	1.40	1	20	12	WOMEN'S HAND DRYER (N,2)	12		
13	EP-3 (N)	12	20	2	0.92	1.62			1	20	12	REC - MEN'S (N,4)	14		
15	208V/1PH					0.92	1.40		1	20	12	MEN'S HAND DRYER (N,2)	16		
17	EP-2 (N)	12	15	1			0.22	1.40	1	20	12	MEN'S HAND DRYER (N,2)	18		
19	EP-1 (N)	12	20	2	0.92	1.00			1	20	12	DOOR HEATERS (N,2)	20		
21	208V/1PH					0.92	0.50		1	20	12	HEAT TAPE (N,2,5)	22		
23	REFRIG. PREP TABLE (N,4)	12	20	1			0.54	1.40	1	20	12	SHOWERS HAND DRYER (N,2)	24		
25	REC - PREP ROOM (N,4)	12	20	1	0.96	1.40			1	20	12	SHOWERS HAND DRYER (N,2)	26		
27	VECTOR OVEN (N,4)	6	40	3		3.96	1.40		1	20	12	SHOWERS HAND DRYER (N,2)	28		
29	208V/3PH						3.96	1.40	1	20	12	SHOWERS HAND DRYER (N,2)	30		
31	--				3.96	1.40			1	20	12	SHOWERS HAND DRYER (N,2)	32		
33	WORKTOP REFRIG (N,4)	12	20	1		0.90	1.40		1	20	12	SHOWERS HAND DRYER (N,2)	34		
35	REFRIGERATOR (N)	12	20	1			0.90	1.40	1	20	12	SHOWERS HAND DRYER (N,2)	36		
37	HOT FOOD MERCHANDISER (N,4)	12	20	1	1.70	1.40			1	20	12	SHOWERS HAND DRYER (N,2)	38		
39	REFRIG. PIZZA COUNTER (N,4)	12	20	1		1.06	1.40		1	20	12	SHOWERS HAND DRYER (N,2)	40		
41	MENU BOARD (N,4)	12	20	1			0.18	1.06	1	20	12	REC - SHOWERS (N,4)	42		
43	HP-01 (N)	12	15	2	0.84	1.06			1	20	12	REC - SHOWERS (N,4)	44		
45	208V/1PH					0.84	1.06		1	20	12	REC - SHOWERS (N,4)	46		
47	CU-2 (N)	12	15	3			1.60	0.00	1	20	--	SPARE (N)	48		
49	208V/3PH				1.80	2.47			3	30	10	ICE MAKER (N,2)	50		
51	--				1.80	2.47			--			208V/3PH	52		
53	CU-1 (N)	12	20	3			1.80	2.47	--			--	54		
55	208V/3PH				1.80	0.90			2	15	12	GFHEF-1	56		
57	--					1.80	0.90		--			208V/1PH	58		
59	CU-4 (N)	12	15	3			1.80	0.91	2	15	12	MAU-1	60		
61	208V/3PH				1.80	0.91			--			208V/1PH	62		
63	--					1.80	0.36		1	20	12	REC - ROOFTOP (N)	64		
65	CU-3 (N)	12	20	3			1.80	0.00	1	20	--	SPARE (N)	66		
67	208V/3PH				1.80	0.00			1	20	--	SPARE (N)	68		
69	--					1.80	0.00		1	20	--	SPARE (N)	70		
71	PIZZA OVEN (N,16)	12	20	1			1.02	0.00				SPACE	72		
73	SPACE FOR SHUNT TRIP				0.00	0.00						SPACE	74		
75	GF - HOOD CONTROLS (N,16)	12	20	1		1.44	0.00					SPACE	76		
77	SPARE (N)	--	20	1			0.00	0.00				SPACE	78		
79	PANEL C (N,14,15)	--	100	3	1.24	0.00						SPACE	80		
81	--					1.24	0.00					SPACE	82		
83	--						1.24	0.00				SPACE	84		
		TOTAL CONNECTED	32.9		32.9		28.0				KVA				
		TOTAL CONNECTED	274.4		273.8		233.3				AMPS				
		TOTAL LOAD	83.8		KVA		260.3				AMPS				
		PER NEC ARTICLE 220 FEEDER LOAD	77.6		KVA		215.3				AMPS				
		100%	7.43		100%		7.43				KVA				
		125%	0.00		125%		0.00				KVA				
		LIGHTING	3.24		125%		4.05				KVA				
		MOTORS	3.62		100%		3.62				KVA				
		RECEPTACLES*	25.2				17.6				KVA				
		KITCHEN	26.9		65%		17.5				KVA				
		REFRIGERATION	4.12		100%		4.12				KVA				
		HVAC - COOLING**	23.3		100%		23.3				KVA				
		HVAC - HEAT**	0.00		0%		0.00				KVA				
		LARGEST MOTOR	0.00		25%		0.00				KVA				
							77.6				KVA				

\*FIRST 10KVA AT 100% AND REMAINING AT 50%  
\*\*LARGEST OF COOLING OR HEATING

LP2		NEW PANELBOARD		208Y/120V, 3PH, 4W		400A M.C.B.		42,000 AIC		SURFACE MOUNT		GROUND BAR			
CK	LOAD SERVED	WIRE	BRKR	PL	PHASE A	PHASE B	PHASE C	PL	BRKR	WIRE	LOAD SERVED	CK			
1	DRYER (N,2)	3	100	3	9.48	0.29			1	20	12	LTG - RESTROOMS (N)	2		
3	208V/3PH					9.48	0.72		1	20	12	REC - WOMEN'S (N,4)	4		
5	--						9.48	0.72	1	20	12	REC - MEN'S (N,4)	6		
7	WASHER (N,2)	12	15	3	0.60	1.40			1	20	12	WOMEN'S HAND DRYER (N,2)	8		
9	208V/3PH					0.60	1.40		1	20	12	WOMEN'S HAND DRYER (N,2)	10		
11	--						0.60	1.40	1	20	12	MEN'S HAND DRYER (N,2)	12		
13	WASHER (N,4)	12	15	1	1.44	1.40			1	20	12	MEN'S HAND DRYER (N,2)	14		
15	WASHER (N,4)	12	15	1		1.44	3.12		2	40	8	ISLAND MERCHANDISER (N,2)	16		
17	WASHER (N,4)	12	15	1			1.44	3.12	--			--	18		
19	DRYER (N)	10	30	2	2.38	1.00			1	20	10	MICROWAVE (N,13)	20		
21	208V/1PH					2.38	1.00		1	20	10	MICROWAVE (N,13)	22		
23	DRYER (N)	10	30	2		2.38	1.32		1	20	10	HOT DOG GRILL (N,13)	24		
25	208V/1PH					2.38	1.32		1	20	10	HOT DOG GRILL (N,13)	26		
27	DRYER (N)	10	30	2		2.38	0.66		1	20	10	WARMING DRAWERS (N,3)	28		
29	208V/1PH						2.38	1.32	1	20	10	HOT DOG GRILL (N,13)	30		
31	REC - CUSTOMER LAUNDRY (N)	12	20	1	0.18	1.32			1	20	10	HOT DOG GRILL (N,13)	32		
33	REC - TRUCK SALES (N)	12	20	1		0.72	0.40		1	20	10	ICE FREEZER (N,13)	34		
35	REC - TRUCK SALES (N)	12	20	1			0.90	1.32	1	20	10	HOT FOOD MERCHANDISER (N,13)	36		
37	SPARE (N)				0.00	1.10			1	20	10	HOT FOOD MERCHANDISER (N,13)	38		
39	SPARE (N)					0.00	0.20		1	20	10	CHILI CHEESE DISP. (N,13)	40		
41	SPACE (N)					0.00	0.94		1	20	10	REF. PREP TABLE (N,13)	42		
43	SPACE				0.00	2.07			2	35	10	ICE MAKER (N)	44		
45	SPACE				0.00	2.07			1	20	10	120/208V/1PH	46		
47	SPACE				0.00	2.07		1.02	2	30	10	POP/ICE DISPENSER (N)	48		
49	SPACE				0.00	2.07			2	30	10	ICE MAKER (N,4)	50		
51	SPACE				0.00	2.07			--			120/208V/1PH	52		
53	SPACE				0.00	1.02			1	20	12	POP/ICE DISPENSER (N,4)	54		
55	SPACE				0.00	0.36			1	20	12	REC - DRINK MONITOR (N,4)	56		
57	SPACE				0.00	0.36			1	20	12	REC - DRINK BAR (N,4)	58		
59	SPACE				0.00	1.64			1	20	12	FROZEN BEVERAGE DISP (N,4)	60		
61	SPACE				0.00	1.64			1	20	12	ICED TEA BREWER (N,4)	62		
63	SPACE				0.00	1.60			1	20	12	HOT WATER DISP. (N,4)	64		
65	SPACE				0.00	2.55			2	30	10	COFFEE MAKER (N)	66		
67	SPACE				0.00	2.55			2	30	10	COFFEE MAKER (N)	68		
69	SPACE				0.00	2.55			2	30	10	COFFEE MAKER (N)	70		
71	SPACE				0.00	1.66			2	20	12	BEAN TO CUP (N)	72		
73	SPACE				0.00	1.66			2	20	12	BEAN TO CUP (N)	74		
75	SPACE				0.00	1.66			2	20	12	BEAN TO CUP (N)	76		
77	SPACE				0.00	1.66			2	20	12	BEAN TO CUP (N)	78		
79	PANEL C (N,14,15)	--	100	3	1.24	1.66			1	20	12	208V/1PH	80		
81	--					1.24	1.60		1	20	12	CAPPUCCINO MACHINE (N)	82		
83	--						1.24	0.00	1	20	--	SPARE (N)	84		
		TOTAL CONNECTED	37.6		38.3		38.8				KVA				
		TOTAL CONNECTED	313.3		319.6		323.2				AMPS				
		TOTAL LOAD	114.7		KVA		318.5				AMPS				
		PER NEC ARTICLE 220 FEEDER LOAD	98.7		KVA		273.9				AMPS				
		100%	3.71		100%		3.71				KVA				
		125%	0.00		125%		0.00				KVA				
		LIGHTING	0.29		125%		0.37				KVA				
		MOTORS	48.8		100%		48.8				KVA				
		RECEPTACLES*	9.56				9.56				KVA				
		KITCHEN	46.1		65%		30.0				KVA				
		REFRIGERATION	6.24		100%		6.24				KVA				
		HVAC - COOLING**	0.00		100%		0.00				KVA				
		HVAC - HEAT**	0.00		0%		0.00				KVA				
		LARGEST MOTOR	0.00		25%		0.00				KVA				
							98.7				KVA				

\*FIRST 10KVA AT 100% AND REMAINING AT 50%  
\*\*LARGEST OF COOLING OR HEATING

PANELBOARD NOTES ( )

- TERMINATE GROUND ON ISOLATED GROUND BUS.
- INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE).
- INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOAD).
- GFI BREAKER FOR PERSONNEL PROTECTION (5 mA).
- GFI BREAKER FOR EQUIPMENT PROTECTION (30 mA).
- CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLT