

LIGHTING FIXTURE SCHEDULE

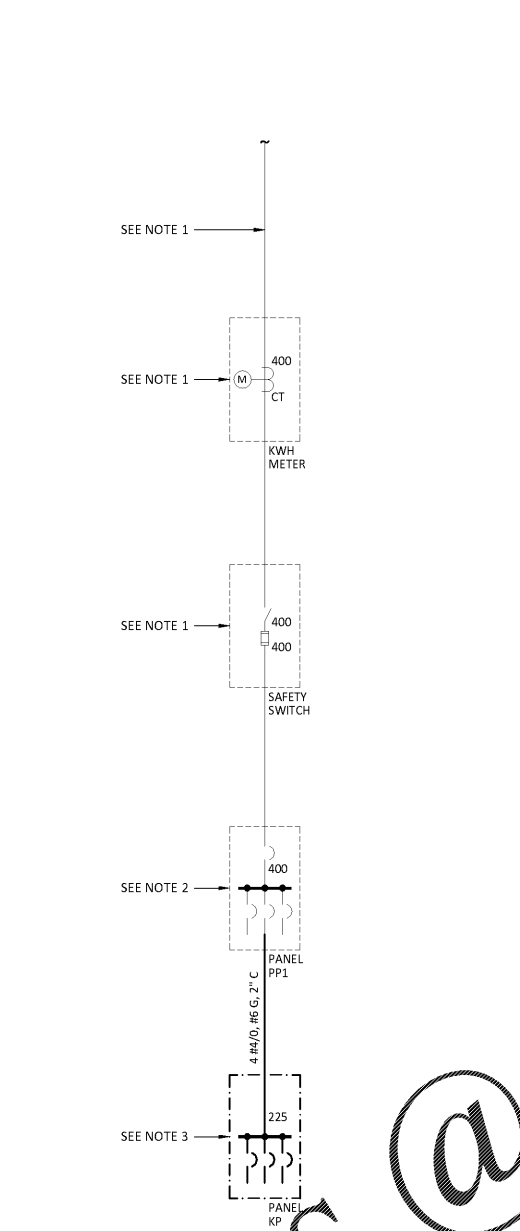
Label	Part Number	Description	MFR	Volt.	Lamp	Color Temp	CRI	Watts
A	24-FPL1-LED-5000L-DIM10-MVOLT-35K-85	2X4 LED Flat Panel	Oracle Lighting	MVOLT	LED	3500	85	50
AE	24-FPL1-LED-5000L-DIM10-MVOLT-35K-85 0-EMG-LED	2X4 LED Flat Panel w/EM	Oracle Lighting	MVOLT	LED	3500	85	50
B	Module: REL637 950L-DIMTR-120 27K 90+ W-WH Housing: LD61C-AT-DIMTR-120 Reflector: RL607	6" Can & LED Module w/ Trim	Elite LED Lighting	120	LED	2700	90+	15
C	Track: R6WH Lampholder: R533WH Lamp (by TCP, Inc): LED10P30SD27KFL	Track Lot	Juno	120	LED	2700	82	10
C2	VW-4_-LED-48-DMV_-RF-40	LED Vaportight Fixture	Mobern	MVOLT	LED	4000	84	48
P	HE722	Black Silk Drum Pendant	Lakeshore Studios	120	LED	2700	80	9.5
X	CLED-U-WH	Emergency Exit Light Bar	Exitronix	MVOLT	LED	N/A	N/A	1.5
X2	MLED2-G-WP	Emergency Exterior Egress	Exitronix	Multi	LED	N/A	N/A	N/A
EM	LED-52 WH G2	Interior Emergency Light	Exitronix	120/277	LED	6000	N/A	N/A

FOOD SERVICE EQUIPMENT DATA

Item No.	QTY	Description	Connection		Electrical				
			Direct	Plug	AFF (in)	Amps	HP	Volts	Phase
07	1	Condensate Hood	X	-	DFA	7	1/3	120	1
			X	-	DFA	15	-	120	1
08	1	Ice Maker	-	5-15P	48"	8.4	-	115	1
09	1	Microwave	-	5-15P	24"	13.4	-	120	1
12.1	1	Food Processor	-	5-15P	24"	7	1	120	1
12.2	1	Food Processor	-	5-15P	24"	12	1-1/2	120	1
14	2	Conveyor Toaster	-	5-15P	48"	13	-	120	1
16	1	Manager Desk	-	5-15P	48"	15	-	120	1
19.1	2	72" Mega Top Sandwich Prep	-	5-15P	48"	9	1/4	120	1
19.2	1	72" Mega Top Sandwich Prep	-	5-15P	48"	9	1/4	120	1
20	2	Soup Warmer	X	5-15P	24"	12	-	120	1
28	5	POS	-	5-15P	18"	15	-	120	1
29	2	Reach-In Refrigerator	-	5-15P	48"	3	1/3	120	1
30	1	Walk-In Cooler	X	-	DFA	31.7	3-1/4	208	1
30A	1	Walk-In Cooler	X	-	DFA	3.2	-	115	1
33	1	Food Mixer	-	5-15P	24"	5	1/4	120	1
34	1	Steamer	X	15-50P	32"	42	-	208	3
35	1	Reach-In Freezer	-	5-15P	24"	7	1/2	115	1
38	1	Ice Machine @ Beverage Station	X	-	84"	9.9	-	208	1
40	1	2 Door Reach-In Refrigerator	-	5-15P	48"	5.8	1/3	120	1
41	1	Beverage Dispenser	-	5-15P	24"	-	-	120	1
42	1	Bag-N-Box	-	5-15P	96"	-	-	120	1
46	1	Beverage Tower / Ice Bin	-	5-15P	48"	15	-	120	1
47	2	Tea Brewer	-	5-15P	15"	-	-	120	1
48	1	Lemonade Bubblers	-	5-15P	18"	-	-	120	1
54	1	Open Air Refrigerated Display	-	5-20P	24"	16	1/2	120	1
56	1	27" Undercounter Fridge	-	5-15P	24"	2	-	115	1
GP	1	General Purpose Receptacle	-	5-15P	48"	15	-	120	1

Refer To FS Drawings For Contractor Responsibility Matrix.

PARTIAL SINGLE LINE DIAGRAM



- NOTES:
- Existing 400 Amp, 208Y/120V, 3-Phase, 4-Wire Service, Meter, And Fused Service Disconnect To Remain.
 - Existing 400 Amp MCB Panelboard To Remain. Refer To Panel Schedules For Additional Panelboard Information.
 - Provide New 225 Amp MLO Panelboard. Refer To Panel Schedules For Additional Panelboard Information.

LOAD SUMMARY

ELECTRICAL DEMAND LOAD SUMMARY	
CONTINUOUS LOAD	
Lighting	2,201 W x 100% = 2.2 kW
NON-CONTINUOUS RECEPTACLE LOAD	
First 10 kVA	1,980 W x 100% = 2.0 kW
Remainder	0 W x 50% = 0.0 kW
HVAC LOAD	
Mechanical - Cooling	28,878 W x 100% = 28.9 kW
Largest Motor Load	14,439 W x 25% = 3.6 kW
Mechanical - Heating	0 W x 0% = 0.0 kW
MISCELLANEOUS LOAD	
Non-Defined	14,362 W x 100% = 14.4 kW
KITCHEN LOADS	
Cooking Equipment	62,139 W x 65% = 40.4 kW
TOTAL CALCULATED DEMAND LOAD: 91.4 kW	
ELECTRIC UTILITY SERVICE VOLTAGE: 208Y/120V	
TOTAL CALCULATED DEMAND AMPERAGE: 254 AMPS	

PANEL SCHEDULES

SCHEDULE FOR PANEL: PP1																	
SYSTEM: 208Y/120V, 3Ø, 4W						NUMBER OF POLES: 42			AREA SERVED:								
BUS RATING: 400 A						MINIMUM CB IC:			EQUIP GROUND BUS: YES			PANEL LOCATION:					
MAINS TYPE: MCB						MAINS RATING: 400 A			ISOLATED GND BUS: NO			MOUNTING: FLUSH			SUPPLIED FROM:		
CIR. #	SERVES	LOAD	MINIMUM BRANCH CIRCUIT & CONDUIT SIZE	BREAKER P	TRIP	PHASE			BREAKER P	TRIP	MINIMUM BRANCH CIRCUIT & CONDUIT SIZE	LOAD	SERVES	CIR. #			
						A	B	C									
1		4813				5511			20	1	2#12, #12 G, 3/4" C	698	Lights - Dining	2			
3	RTU-1	4813	3#6, #10 G, 3/4" C	3	50		5173		20	1	2#12, #12 G, 3/4" C	360	Lights - Dining Track	4			
5		4813						4933	20	1	2#12, #12 G, 3/4" C	120	Lights - Dining Track	6			
7		4813				4813			20	1			Spare	8			
9	RTU-2	4813	3#6, #10 G, 3/4" C	3	50		5128		20	1	2#12, #12 G, 3/4" C	315	Lights - Dining	10			
11		4813						4873	20	1	2#12, #12 G, 3/4" C	120	Lights - Toilets	12			
13	Water Heaters	360	2#12, #12 G, 3/4" C	1	20	960			20	1	2#12, #12 G, 3/4" C	120	Lights - Kitchen	14			
15	EF-2 (Toilet Fan)	360	2#12, #12 G, 3/4" C	1	20		408		20	1	2#12, #12 G, 3/4" C	48	Lights - Cooler	16			
17	Dining Convenience	900	2#12, #12 G, 3/4" C	1	20			2100	20	1	2#12, #12 G, 3/4" C	1200	Signage	18			
19	Dining Convenience	1080	2#12, #12 G, 3/4" C	1	20	1080			20	1			Spare	20			
21		5054					5054		20	1			Spare	22			
23	Steamer (34)	5054	3#6, #10 G, 3/4" C	3	50				20	1			Spare	24			
25		5054				5054			-	1			Spare	26			
27		5054							-	1			Spare	28			
29	Steamer (34)	5054	3#6, #10 G, 3/4" C	3	50			5054	-	1			Spare	30			
31		5054				5054			-	1			Spare	32			
33	Air Ionizer (RTU-1)	360	2#12, #12 G, 3/4" C	1	20			360	-	1			Spare	34			
35	Drive-Thru Menuboard	1200	2#12, #12 G, 3/4" C	1	20			1200	-	1			Spare	36			
37	Drive-Thru Headset	360	2#12, #12 G, 3/4" C	1	20	15295						14935	Panel KP	38			
39	Space							14838		200	3	See One Line Diagram	14838	Panel KP	40		
41	Space											12564		42			
TOTAL CONNECTED LOAD (VA)						37767	36015	35778	VA PER PHASE			304			TOTAL CONNECTED LOAD (AMPS)		
						315	300	298	AMPS PER PHASE								

SCHEDULE FOR PANEL: KP																	
SYSTEM: 208Y/120V, 3Ø, 4W						NUMBER OF POLES: 42			AREA SERVED:								
BUS RATING: 225 A						MINIMUM CB IC:			EQUIP GROUND BUS: YES			PANEL LOCATION:					
MAINS TYPE: MLO						MAINS RATING: N/A			ISOLATED GND BUS: NO			MOUNTING: FLUSH			SUPPLIED FROM: PANEL PP1		
CIR. #	SERVES	LOAD	MINIMUM BRANCH CIRCUIT & CONDUIT SIZE	BREAKER P	TRIP	PHASE			BREAKER P	TRIP	MINIMUM BRANCH CIRCUIT & CONDUIT SIZE	LOAD	SERVES	CIR. #			
						A	B	C									
1	Kitchen Hood Fan (07)	840	2#12, #12 G, 3/4" C	1	20	1440			20	1	2#12, #12 G, 3/4" C	600	Food Mixer (33)	2			
3	Kitchen Hood Lights (07)	500	2#12, #12 G, 3/4" C	1	20		1305		20	1	2#12, #12 G, 3/4" C	805	Reach-In Freezer (35)	4			
5	Ice Maker (08)	966	2#12, #12 G, 3/4" C	1	20			1996	20	2	2#12, #12 G, 3/4" C	1030	Ice Machine at Bev. Station (38)	6			
7	Microwave (09)	1608	2#12, #12 G, 3/4" C	1	20	2638						1030		8			
9	Food Processor (12.1)	840	2#12, #12 G, 3/4" C	1	20		1536		20	1	2#12, #12 G, 3/4" C	696	2 Door Reach-In Fridge (40)	10			
11	Food Processor (12.2)	1440	2#12, #12 G, 3/4" C	1	20			3240	20	1	2#12, #12 G, 3/4" C	1800	Beverage Dispenser (41)	12			
13	Conveyor Toaster (14)	1560	2#12, #12 G, 3/4" C	1	20	3360			20	1	2#12, #12 G, 3/4" C	1800	Bag-N-Box (42)	14			
15	Conveyor Toaster (14)	1560	2#12, #12 G, 3/4" C	1	20		3360		20	1	2#12, #12 G, 3/4" C	1800	Beverage Tower / Ice Bin (46)	16			
17	Manager's Desk (16)	720	2#12, #12 G, 3/4" C	1	20			2520	20	1	2#12, #12 G, 3/4" C	1800	Tea Brewer (47)	18			
19	72" Megatop Sandwich Prep (19.1)	1080	2#12, #12 G, 3/4" C	1	20	1440			20	1	2#12, #12 G, 3/4" C	360	Lemonade Bubblers (48)	20			
21	72" Megatop Sandwich Prep (19.1)	1080	2#12, #12 G, 3/4" C	1	20			1440	20	1	2#12, #12 G, 3/4" C	360	Lemonade Bubblers (48)	22			
23	72" Megatop Sandwich Prep (19.2)	1080	2#12, #12 G, 3/4" C	1	20			3000	20	1	2#12, #12 G, 3/4" C	1920	Open-Air Refrigerated Display (54)	24			
25	Soup Warmer (20)	1440	2#12, #12 G, 3/4" C	1	20	1680			20	1	2#12, #12 G, 3/4" C	240	27" Undercounter Fridge (56)	26			
27	Soup Warmer (20)	1440	2#12, #12 G, 3/4" C	1	20		3000		20	1	2#12, #12 G, 3/4" C	1560	Conveyor Toaster (14)	28			
29	POS (28)	720	2#12, #12 G, 3/4" C	1	20			1080	20	1	2#12, #12 G, 3/4" C	360	Printers	30			
31	POS (28)	720	2#12, #12 G, 3/4" C	1	20	1080			20	1	2#12, #12 G, 3/4" C	360	General Purpose	32			
33	Reach-In Refrigerator (29)	360	2#12, #12 G, 3/4" C	1	20		900		20	1	2#12, #12 G, 3/4" C	540	General Purpose	34			
35	Reach-In Refrigerator (29)	360	2#12, #12 G, 3/4" C	1	20			360	20	1			Spare	36			
37	Walk-In Cooler (30)	3297	2#8, #10 G, 3/4" C	2	40	3297			20	1			Spare	38			
39		3297						3297	20	1			Spare	40			
41	Walk-In Cooler (30A)	368	2#12, #12 G, 3/4" C	1	20			368	20	1			Spare	42			
TOTAL CONNECTED LOAD (VA)						14935	14838	12564	VA PER PHASE			118			TOTAL CONNECTED LOAD (AMPS)		
						124	124	105	AMPS PER PHASE								



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