

PANEL 'LP1' (SECTION 1)

208/120V 3 PHASE 4 WIRE 400A MLO SURFACE MOUNTED

Description	Wire Size	kVA/φ			BRKR			CIR. CUIT			kVA/φ			Wire Size	Description
		Aφ	Bφ	Cφ	POLE	AMP	Aφ	Bφ	Cφ	CUT	POLE	AMP	Aφ		
INTERIOR LTG	2#12, 1#12G - 3/4"	1.1			1	20	1	20	1	20	0.72			2#12, 1#12G - 3/4"	RCPT - ELEC RM
INTERIOR LTG	2#12, 1#12G - 3/4"		0.6		1	20	3		4	1	20	0.8		2#12, 1#12G - 3/4"	RCPT - OFFICE
TOUCHPOINT BEVER DISP - #104B	2#12, 1#12G - 3/4"			0.8	1	20	3		6	1	20	1.3	0.8	2#12, 1#12G - 3/4"	RCPT - OFFICE
COFFEE WARMER - STAND - #104B	2#12, 1#12G - 3/4"		1.8		1	20	7		10	1	20	1.3	1.3	2#12, 1#12G - 3/4"	FREAL REFRIG CASE - ITEM #101
LATTE (CAPUCINO) - ITEM #202	2#12, 1#12G - 3/4"			1.8	1	20	9		12	1	20	1.8	1.8	2#12, 1#12G - 3/4"	FREAL BLENDER - ITEM #102
THE CREAM MACHINE - ITEM #212	2#12, 1#12G - 3/4"			0.15	1	20	11		14	1	20	2	2	2#12, 1#12G - 3/4"	ROLLER GRIL - ITEM #301
DROP IN COLD PAN - ITEM #302	2#12, 1#12G - 3/4"		0.8		1	20	13		16	1	30	2.4	1.8	2#12, 1#12G - 3/4"	MICROWAVE - ITEM #509
UNDER CAB REFRIG - ITEM #307	2#12, 1#12G - 3/4"			0.8	1	20	15		18	1	30	2.4	2.4	2#10, 1#10G - 3/4"	DISHWASHER UNDERCTR - ITEM #622
SAND PREP TABLE - ITEM #501	2#12, 1#12G - 3/4"			1.1	1	20	17		21	1	20	1	1	2#12, 1#12G - 3/4"	CHEESE DISPENSER - ITEM #504
CONVECTION OVEN - ITEM #513	2#8, 1#10G - 3/4"		3.1		2	40	19		24	1	20	1.8	1.8	2#12, 1#12G - 3/4"	EXHAUST HOOD - ITEM #504
2 GAS GRID - ITEM #506, GRID, STAND #507	2#12, 1#12G - 3/4"			0.8	1	20	23		28	1	20	0.7	0.7	2#12, 1#12G - 3/4"	GAS FRYER - (BATTERY) - ITEM #508
REFRIG. UNDER CNTR - ITEM #511	2#12, 1#12G - 3/4"			0.4	1	20	25		30	1	20	0.9	0.9	2#12, 1#12G - 3/4"	WORK TOP FREEZER - ITEM #512
CONVENIENCE OUTLETS	2#12, 1#12G - 3/4"			1.4	1	20	27		32	1	20	0.4	0.4	2#12, 1#12G - 3/4"	PANEL MV
REFRIG. MER - REMOTE COND. #404C	2#12, 1#12G - 3/4"			1.3	2	20	29		34	1	20	0.4	0.4	2#12, 1#12G - 3/4"	EQUIPMENT OUTLET - ITEM #E0-1
														2#12, 1#12G - 3/4"	EQUIPMENT OUTLET - ITEM #E0-2
RCPTS - BACK BAR	2#12, 1#12G - 3/4"			0.8	1	20	33		40	1	20	0.4	0.4	2#12, 1#12G - 3/4"	EQUIPMENT OUTLET - ITEM #E0-3
QUAD CONVENIENCE OUTLETS #C 0-1	2#12, 1#12G - 3/4"			0.8	1	20	35		42	1	20	0.7	0.7	2#12, 1#12G - 3/4"	WORKTOP FREEZER - ITEM #620C
60" SINGLE SIDED SHELVING #413	2#12, 1#12G - 3/4"			0.8	1	20	37		44	1	20	0.9	0.9	2#12, 1#12G - 3/4"	GAS FRYER - (BATTERY) - ITEM #508
LED LIGHTING	2#12, 1#12G - 3/4"			0.8	1	20	39		46	1	20	0.4	0.4	2#12, 1#12G - 3/4"	EQUIPMENT OUTLET - ITEM #E0-3
REFRIG. MECHANISER LTG - #404A	2#12, 1#12G - 3/4"			0.2	1	20	41		48	1	20	1.1	1.1	2#12, 1#12G - 3/4"	REFRIG/SANDWICH UNIT - ITEM #518
TOTAL CONNECTED KVA:		9.1	9.3	5.2					9.1	6.6	6.5				

TOTAL CONNECTED KVA: 45.8

PANEL 'FP'

208/120V 1 PHASE 3 WIRE 100A MLO SURFACE MOUNTED

Description	Wire Size	kVA/φ			BRKR			CIR. CUIT			kVA/φ			Wire Size	Description
		Aφ	Bφ	Cφ	POLE	AMP	Aφ	Bφ	Cφ	CUT	POLE	AMP	Aφ		
GAS DISPENSER	2#10, 1#10G - 1"	0.5			2	20	1		2	2	20	0.5	0.5	2#10, 1#10G - 1"	GAS DISPENSER
GAS DISPENSER	2#10, 1#10G - 1"	0.5			2	20	5		6	2	20	0.5	0.5	2#10, 1#10G - 1"	GAS DISPENSER
GAS DISPENSER	2#10, 1#10G - 1"	0.5			2	20	9		10	2	20	0.5	0.5	2#10, 1#10G - 1"	GAS DISPENSER
UG TANK PUMP	2#10, 1#10G - 1"	0.8			2	20	13		14	2	20	0.8	0.8	2#10, 1#10G - 1"	UG TANK PUMP
UG TANK PUMP	2#10, 1#10G - 1"	0.8			2	20	17		18	2	20	0.8	0.8	2#10, 1#10G - 1"	UG TANK PUMP
UG TANK PUMP	2#10, 1#10G - 1"	0.8			2	20	21		22	2	20	0.8	0.8	2#10, 1#10G - 1"	UG TANK PUMP
SPARE															
AIR COMPRESSOR	2#10, 1#10G - 1"	1.5			1	20	29		30	1	20				SPARE
LEAK MONITOR	2#10, 1#10G - 1"	0.6			1	20	31		32	1	20				SPARE
SPARE															SPARE
SPARE															SPARE
SPARE															SPARE
SPARE															SPARE
SPARE															SPARE
TOTAL CONNECTED KVA:		5.4	4.5						3.9	3.9					

TOTAL CONNECTED KVA: 17.7

PANEL 'LP2' (SECTION 2)

208/120V 3 PHASE 4 WIRE 400A MLO SURFACE MOUNTED

Description	Wire Size	kVA/φ			BRKR			CIR. CUIT			kVA/φ			Wire Size	Description
		Aφ	Bφ	Cφ	POLE	AMP	Aφ	Bφ	Cφ	CUT	POLE	AMP	Aφ		
REFRIG. MECHANISER FANS - #404A	2#12, 1#12G - 3/4"	0.2			1	20	1		2	1	20	0.2		2#12, 1#12G - 3/4"	REMOTE FIRE SYSTEM - ITEM #617
MONEY ORDER PRINTER - ITEM #706	2#12, 1#12G - 3/4"		0.4		1	20	3		4	1	20	0.2	0.2	2#12, 1#12G - 3/4"	TANKLESS HOT WTR HTR - ITEM #619
ATM - ITEM #708	2#12, 1#12G - 3/4"			0.4	1	20	3		6	1	20	0.2	0.2	2#12, 1#12G - 3/4"	TANKLESS HOT WTR HTR - ITEM #619
MD LOTTERY TERMINAL A - ITEM #709	2#12, 1#12G - 3/4"		0.4		1	20	7		8	2	30	2.5	2.5	2#10, 1#10G - 3/4"	COFFEE BREWER - ITEM #201
LOTTERY MONITOR (ABOVE) - #715	2#12, 1#12G - 3/4"		0.4		1	20	7		10			2.5	2.5	2#10, 1#10G - 3/4"	COFFEE BREWER - ITEM #201
MD LOTTERY TERMINAL B - ITEM #716	2#12, 1#12G - 3/4"			0.4	1	20	9		12	2	30	2.5	2.5	2#10, 1#10G - 3/4"	COFFEE BREWER - ITEM #201
HAND DRYER #802	2#12, 1#12G - 3/4"		1.2		1	20	13		14			2.5	2.5	2#12, 1#12G - 3/4"	MOTION ACTIVATED FAUCET #803
HAND DRYER #802	2#12, 1#12G - 3/4"		1.2		1	20	15		16	1	20	1	1	2#12, 1#12G - 3/4"	MOTION ACTIVATED FAUCET #803
MONITOR DISPLAY	2#12, 1#12G - 3/4"			1.2	1	20	17		18	1	20	1	1	2#12, 1#12G - 3/4"	MOTION ACTIVATED SOAP DISP. #804
EXTERIOR LIGHTING	2#12, 1#12G - 3/4"		0.6		1	20	19		20	3	20	0.6	0.6	2#12, 1#12G - 3/4"	MAU-1 (FAN)
EXTERIOR LIGHTING	2#12, 1#12G - 3/4"			0.5	1	20	21		22			0.6	0.6		
FROZEN BEVERAGE DISP - ITEM #103	2#10, 1#10G - 3/4"			2.1	2	30	23		24			0.6	0.6	3#10, 1#10G - 3/4"	VERTICAL TOASTER - ITEM #521
SIGNAGE OUTLET	2#12, 1#12G - 3/4"		0.4		1	20	27		28	2	30	1.8	1.8	2#10, 1#10G - 3/4"	HOT FOOD MERCHANDISER - ITEM #A05
SIGN LIGHTING	2#12, 1#12G - 3/4"			0.8	1	20	29		30	2	30	2.3	2.3	2#10, 1#10G - 3/4"	HOT FOOD MERCHANDISER - ITEM #A05
TOWER SIGN & LIGHTING	2#12, 1#12G - 3/4"		0.8		1	20	31		32			2.3	2.3	2#10, 1#10G - 3/4"	HOT FOOD MERCHANDISER - ITEM #A05
MONITORS - ITEM #717B	2#12, 1#12G - 3/4"			0.8	1	20	33		34	2	30	2.1	2.1	2#10, 1#10G - 3/4"	ICE MAKER REMOTE CONDENSER - #105A
FRENCH FRY WARMER ITEM #519	2#12, 1#12G - 3/4"			1.8	1	20	35		36			2.1	2.1	2#10, 1#10G - 3/4"	ICE MAKER REMOTE CONDENSER - #105A
HAND DRYER #802	2#12, 1#12G - 3/4"		1.2		1	20	37		38	1	30	2.2	2.2	2#10, 1#10G - 3/4"	PRESSURE WASHER - ITEM #624
ICE MAKER - ITEM #105	2#10, 1#10G - 3/4"		2.4		1	20	39		40	1	20	0.6	0.6	2#12, 1#12G - 3/4"	RCPTS - ROOF
HAND DRYER #802	2#12, 1#12G - 3/4"			1.2	1	20	41		42	1	20	0.6	0.6	2#12, 1#12G - 3/4"	EXHAUST FAN CONTROLS
TOTAL CONNECTED KVA:		6.5	6.1	7.9					12.1	8.8	9.3				

TOTAL CONNECTED KVA: 50.7

PANEL 'MP'

208/120V 3 PHASE 4 WIRE 225A MLO SURFACE MOUNTED

Description	Wire Size	kVA/φ			BRKR			CIR. CUIT			kVA/φ			Wire Size	Description	
		Aφ	Bφ	Cφ	POLE	AMP	Aφ	Bφ	Cφ	CUT	POLE	AMP	Aφ			Bφ
WALK-IN FREEZER COMP. 402A	3#8, 1#10G - 1"	3.3			3	45	1		2	3	35	2.5	2.5	3#8, 1#10G - 3/4"	WALK-IN COOLER COMP. 401A	
WALK-IN COOL COMP. 401B	3#8, 1#10G - 3/4"	2.5			3	35	7		8	2	15	0.6	0.6	2#12, 1#12G - 3/4"	HYBRID MERCHANDISER CONDENSER UNIT	
FREEZER EVAP. COIL 402B	2#8, 1#10G - 1"	2.7			2	35	13		14			1.2	1.2	2#12, 1#12G - 3/4"	SANDWICH MERCHANDISER CONDENSER UNIT	
COOLER EVAP. COIL 401D	2#12, 1#12G - 3/4"	0.6			0.6	2	20	17		18	1	20	0.5	0.5	2#12, 1#12G - 3/4"	EXHAUST FANS
GAS PRICE SIGNAGE	2#10, 1#10G - 1"	1			1	20	21		22	3	20	1.8	1.8	3#12, 1#12G - 3/4"	MAU-1 (CONDENSOR)	
EXTERIOR SITE POLE LTG	2#10, 1#10G - 1"				1	1	20	23		24			1.8	1.8		
GAS CANOPY LTG	2#10, 1#10G - 1"				1	1	20	25		26			1.8	1.8		
GAS CANOPY LTG	2#10, 1#10G - 1"				1	1	20	27		28	3	20	1	1	3#12, 1#12G - 3/4"	FAN KEF-1
GAS CANOPY LTG	2#10, 1#10G - 1"				1	1	20	29		30			1	1		
INTERIOR LTG CONTROLS	2#12, 1#12G - 3/4"				0.5	1	20	31		32			1	1		
EXTERIOR LTG CONTROLS	2#12, 1#12G - 3/4"				0.5	1	20	33		34	2	20	0.6	0.6	2#12, 1#12G - 3/4"	COOLER EVAP. COIL 401C
EVAP COIL RECEPT	2#12, 1#12G - 3/4"				1.8	1	20	35		36			0.6	0.6		
DOOR HTR LTG, SW, ALARM	2#12, 1#12G - 3/4"				1.6	1	20	37		38	1	20	1.7	1.7	2#12, 1#12G - 3/4"	MERCHANDISE DOOR LTG
MERCHANDISE DOOR LTG	2#12, 1#12G - 3															