

PANEL NAME: LP1																	
SUPPLY FROM: WIREWAY										PHASE: Existing							
LOCATION: PRE-SALES 106										SURGE SUPPRESSION: ULSE:							
DISTRIBUTION SYSTEM: 208/120V 3PH 4W										ISOLATED GROUND:							
FEEDER: EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE										200% NEUTRAL:							
MAINS RATING (A): 225										ENCLOSURE TYPE: NEMA 1							
MAINS TYPE: MAIN LUGS ONLY										LUGS TYPE: NEMA 1							
FAULT CURRENT (A): 8432										SHORT CIRCUIT RATING (A): EXISTING							
LUGS TYPE: NEMA 1										ISOLATED GROUND:							
CKT	CIRCUIT DESCRIPTION	VD%	AWG	GND	TRIP	FRAME	POLE	A	B	C	POLE FRAME TRIP	GND	AWG	VD%	CIRCUIT DESCRIPTION	CKT	
1	(#) LTG 102 101A	1.577	#12	#12	20A	20A	1	0.58	1.08		1	20A	#12	1.008	(#) RCPT 101B 101A	2	
3	(#) LTG SALES 101A	1.397	#12	#12	20A	20A	1		0.58	0.36	1	20A	#12	0.219	(IG) TTB   RCPT PRE-SALES 106	4	
5	(#) LTG SALES 101A	0.905	#12	#12	20A	20A	1			0.58	0.18	1	20A	#12	0.514	(IG)   RCPT OFFICE 102	6
7	(#) LTG SALES 101A	0.741	#12	#12	20A	20A	1	0.58	0.18		1	20A	#12	0.514	(IG)   RCPT OFFICE 102	8	
9	(#) LTG 101A 101B	0.25	#12	#12	20A	20A	1		0.58	0.18	1	20A	#12	0.514	(IG)   RCPT OFFICE 102	10	
11	(#) LTG SALES 101B	0.272	#12	#12	20A	20A	1			0.58	0.00	1	20A	#12	--	(#) SPARE	12
13	(#) LTG SALES 101B	0.218	#12	#12	20A	20A	1	0.29	0.00		1	20A	#12	--	(#) SPARE	14	
15	(#) LTG SALES 101B	0.275	#12	#12	20A	20A	1		0.29	0.00	1	20A	#12	--	(#) SPARE	16	
17	(#) LTG 101A 101B	0.161	#12	#12	20A	20A	1		0.58	0.00	1	20A	#12	--	(#) SPARE	18	
19	(#) LTG 101A 101B	1.275	#12	#12	20A	20A	1	0.58	0.00		1	20A	#12	--	(#) SPARE	20	
21	(#) EF-1-A   LTG 106,103,105,104,107	0.491	#10	#10	20A	20A	1		1.25	0.00	1	20A	#12	--	(#) SPARE	22	
23	(#) SIGNAGE	2.851	#10	#10	20A	20A	1			1.20	0.00	1	20A	#12	--	(#) SPARE	24
25	(IG) CHECK LANE   NON-CONT.	0.389	#12	#12	20A	20A	2	0.20	0.00		1	20A	#12	--	(#) SPARE	26	
27	(IG) CHECK LANE   NON-CONT.	0.389	#12	#12	20A	20A	2	0.20	0.00		1	20A	#12	--	(#) SPARE	28	
29	(IG) CHECK LANE   NON-CONT.	0.43	#12	#12	20A	20A	2	0.20	0.00		1	20A	#12	--	(#) SPARE	30	
31	(IG) CHECK LANE   NON-CONT.	0.459	#12	#12	20A	20A	2	0.20	0.00		1	20A	#12	--	(#) SPARE	32	
33	(IG) CHECK LANE   NON-CONT.	0.459	#12	#12	20A	20A	2	0.20	0.00		1	20A	#12	--	(#) SPARE	34	
35	(IG) CHECK LANE   NON-CONT.	0.459	#12	#12	20A	20A	2	0.20	0.00		1	20A	#12	--	(#) SPARE	36	
37	(IG) CHECK LANE   NON-CONT.	0.487	#12	#12	20A	20A	2	0.20	0.00		1	20A	#12	--	(#) SPARE	38	
39	(IG) CHECK LANE   NON-CONT.	0.487	#12	#12	20A	20A	2	0.20	0.00		1	20A	#12	--	(#) SPARE	40	
41	(L) NON-CONT. PRE-SALES 106	0.066	#12	#12	20A	20A	1		0.20	0.00	1	20A	#12	--	(#) SPARE	42	

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Continuous	1200 VA	125.00%	1500 VA	
Cooling	0 VA	0.00%	0 VA	
Elevator	0 VA	0.00%	0 VA	
Heating	0 VA	0.00%	0 VA	
Kitchen Equipment	0 VA	0.00%	0 VA	
Lighting	5785 VA	125.00%	7185 VA	
Motor	696 VA	125.00%	870 VA	
Non-Continuous	1800 VA	100.00%	1800 VA	
Receptacle	1980 VA	100.00%	1980 VA	
<b>TOTAL DEMAND:</b> 13335.0 VA				
<b>TOTAL DEMAND AMPS:</b> 37 A				

PANEL NAME: MDP																
SUPPLY FROM: D1										PHASE: Existing						
LOCATION: PRE-SALES 106										SURGE SUPPRESSION: ULSE:						
DISTRIBUTION SYSTEM: 208/120V 3PH 4W										ISOLATED GROUND:						
FEEDER: EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE										200% NEUTRAL:						
MAINS RATING (A): 400										ENCLOSURE TYPE: NEMA 1						
MAINS TYPE: MAIN LUGS ONLY										LUGS TYPE: NEMA 1						
FAULT CURRENT (A): 15472										SHORT CIRCUIT RATING (A): EXISTING						
LUGS TYPE: NEMA 1										ISOLATED GROUND:						
CKT	CIRCUIT DESCRIPTION	VD%	AWG	GND	TRIP	FRAME	POLE	A	B	C	POLE FRAME TRIP	GND	AWG	VD%	CIRCUIT DESCRIPTION	CKT
1																
3	BALER   MOTOR PRE-SALES 106	0.543	#4	#4	60A	60A	3	5.76	0.02		3	20A	#12	0.001	PHASE LOSS MONITOR   NON-CONT. PRE-SALES 106	4
5								5.76	0.02							
7								0.00	0.00							
9	(#) SPARE	--	--	--	70A	--	3								(#) SPARE	8
11																
13																
15	(EX) RTU-2-A   MOTOR SALES 101B	--	--	--	150A	150A	3	13.40	13.40		3	150A	150A	--	(EX) RTU-1-A   MOTOR SALES 101A	16
17										13.40	13.40					
<b>TOTAL CONNECTED LOAD:</b> 32.6 kVA				<b>DEMAND FACTOR:</b> 32.6 kVA				<b>ESTIMATED DEMAND:</b> 32.6 kVA				<b>PANEL TOTALS</b>				
Continuous				0 VA				0.00%				0 VA				
Cooling				0 VA				0.00%				0 VA				
Elevator				0 VA				0.00%				0 VA				
Heating				0 VA				0.00%				0 VA				
Kitchen Equipment				0 VA				0.00%				0 VA				
Lighting				9760 VA				110.29%				10774 VA				
Motor				50 VA				100.00%				50 VA				
Non-Continuous				0 VA				0.00%				0 VA				
Receptacle				0 VA				0.00%				0 VA				
<b>TOTAL DEMAND AMPS:</b> 299 A																

PANEL SCHEDULE LEGEND											
(EX)	=	EXISTING CIRCUIT TO REMAIN	(LT)	=	PROVIDE LOCK-OUT/TAG-OUT DEVICE						
(#)	=	NEW CIRCUIT TO EXISTING CIRCUIT BREAKER	(-)	=	CONNECT BRANCH CIRCUIT, WHICH WAS DISCONNECTED FROM ANOTHER SOURCE AS PART OF SELECTIVE DEMOLITION, TO POLE SPACE(S) INDICATED.						
(G)	=	PROVIDE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) CIRCUIT BREAKER	(D)	=	DETERMINE EXACT POLE ASSIGNMENT(S) BASED ON EXISTING COLOR-CODING OF THE BRANCH CIRCUIT CONDUCTOR INSULATION. PROVIDE NEW BREAKER IF REWired.						
(GE)	=	PROVIDE GROUND-FAULT EQUIPMENT PROTECTION (GFE) CIRCUIT BREAKER	(S)	=	WIRE SIZED TO COMPENSATE FOR VOLTAGE DROP						
(ST)	=	PROVIDE SHUNT TRIP CIRCUIT BREAKER	(*)	=	REFER TO DRAWINGS FOR SPECIFICATIONS						
(A)	=	PROVIDE ARC FAULT CIRCUIT INTERRUPTER (AFCI) CIRCUIT BREAKER	(SL)	=	SEE THE SINGLE LINE DIAGRAM / SCHEDULE FOR WIRE SIZE AND VOLTAGE DROP						
(L)	=	PROVIDE LOCK-ON DEVICE									

PANEL NAME: LP2																	
SUPPLY FROM: WIREWAY										PHASE: Existing							
LOCATION: PRE-SALES 106										SURGE SUPPRESSION: ULSE:							
DISTRIBUTION SYSTEM: 208/120V 3PH 4W										ISOLATED GROUND:							
FEEDER: EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE										200% NEUTRAL:							
MAINS RATING (A): 225										ENCLOSURE TYPE: NEMA 1							
MAINS TYPE: MAIN LUGS ONLY										LUGS TYPE: NEMA 1							
FAULT CURRENT (A): 8432										SHORT CIRCUIT RATING (A): EXISTING							
LUGS TYPE: NEMA 1										ISOLATED GROUND:							
CKT	CIRCUIT DESCRIPTION	VD%	AWG	GND	TRIP	FRAME	POLE	A	B	C	POLE FRAME TRIP	GND	AWG	VD%	CIRCUIT DESCRIPTION	CKT	
1	(#) RCPT 101A 101B	0.142	#12	#12	20A	20A	1	0.36	1.08		1	20A	#12	1.0271	(#) RCPT 101B 101A	2	
3	(G)LT HAND DRYER   NON-CONT. TOILET 105	1.405	#12	#12	20A	20A	1		1.80	0.90	1	20A	#12	2.408	(#) RCPT 101A 101B	4	
5	(G)LT HAND DRYER   NON-CONT. TOILET 104	1.163	#12	#12	20A	20A	1		1.80	0.44	1	20A	#12	1.529	(#) DOORBELL   RCPT, NON-CONT. PRE-SALES 106	6	
7	(#) WH-2-A   HEATING TOILET 104	1.074	#12	#12	20A	20A	1	1.50	0.40		1	20A	#12	1.237	(#) EMPLOYEE AREA PLUGMOLD   NON-CONT...	8	
9	(#) WH-1-A   HEATING TOILET 105	1.931	#12	#12	20A	20A	1		1.50	0.18	1	20A	#12	0.5	(#) RCPT PRE-SALES 106	10	
11	(#) RCPT HALL 103	0.066	#12	#12	20A	20A	1			0.18	0.18	1	20A	#12	0.5	(#) RCPT PRE-SALES 106	12
13	(#) AC-1-A   MOTOR SALES 101A	2.956	#8	#8	20A	20A	1	1.73	0.18		1	20A	#12	0.033	(#) RCPT PRE-SALES 106	14	
15	(#) WALK-IN COOLER   NON-CONT. PRE-SALES 106	2.126	#10	#10	20A	20A	1		1.55	0.54	1	20A	#12	1.93	(#) RCPT SALES 101A	16	
17	WALK-IN FREEZER   NON-CONT. PRE-SALES 106	2.816	#10	#10	30A	30A	2		2.86	0.18	1	20A	#12	0.665	(#) ICE CREAM BUNKER   RCPT	18	
19								2.86	0.20		1	20A	#12	0.528	(#) SNACK ZONE   NON-CONT.	20	
21	REACH-IN 2-DR COOLER   NON-CONT. SALES 101B	1.05	#12	#12	20A	20A	2		1.70	0.20	1	20A	#12	0.528	(#) SNACK ZONE   NON-CONT. SALES 101A	22	
23										1.70	0.20	1	20A	#12	0.528	(#) SNACK ZONE   NON-CONT. SALES 101A	24
25	REACH-IN 5-DR FREEZER   NON-CONT. SALES 101B	1.039	#8	#10	30A	30A	2	3.12	0.52		1	20A	#12	0.224	(#) CP1   MOTOR PRE-SALES 106	26	
27										3.12	2.00	1	20A	#12	1.044	(#) WH1   CONTINUOUS PRE-SALES 106	28
29	REACH-IN 5-DR FREEZER   NON-CONT. SALES 101B	1.343	#8	#10	30A	30A	2	3.12	0.00		1	20A	#12	1.444	RCPT SALES 101B	30	
31											1	20A	#12	--	(#) SPARE	32	
33	PLUG MOLD   NON-CONT. OFFICE 102	0.412	#12	#12	20A	20A	2		0.20	0.00	1	20A	#12	--	(#) SPARE	34	
35										0.20	0.00	1	20A	#12	--	(#) SPARE	36
37	(#) SPARE	--	--	--	20A	--	1	0.00	0.00		1	20A	#12	--	(#) SPARE	38	
39	(#) SPARE	--	--	--	20A	--	1	0.00	0.00		1	20A	#12	--	(#) SPARE	40	
41	(#) SPARE	--	--	--	20A	--	1	0.00	0.00		1	20A	#12	--	(#) SPARE	42	

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Continuous	2000 VA	125.00%	2500 VA	
Cooling	0 VA	0.00%	0 VA	
Elevator	0 VA	0.00%	0 VA	
Heating	3000 VA	100.00%	3000 VA	
Kitchen Equipment	0 VA	0.00%	0 VA	
Lighting	0 VA	0.00%	0 VA	
Motor	2248 VA	119.22%	2680 VA	
Non-Continuous	28218 VA	100.00%	28218 VA	
Receptacle	4860 VA	100.00%	4860 VA	
<b>TOTAL CONNECTED LOAD:</b> 15.1 kVA				<b>DEMAND FACTOR:</b> 13.7 kVA
<b>ESTIMATED DEMAND:</b> 11.6 kVA				<b>PANEL TOTALS</b>
Continuous				2000 VA
Cooling				0 VA
Elevator				0 VA
Heating				3000 VA
Kitchen Equipment				0 VA
Lighting				0 VA
Motor				2248 VA
Non-Continuous				28218 VA
Receptacle				4860 VA
<b>TOTAL DEMAND AMPS:</b> 115 A				

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