

PANEL NAME: LP1															PHASE: Existing																							
SUPPLY FROM: WIREWAY										SURGE SUPPRESSION: ULSE:																												
LOCATION: PRE-SALES 106										200% NEUTRAL:																												
DISTRIBUTION SYSTEM: 208/120V 3PH 4W										ISOLATED GROUND:																												
FEEDER: EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE										ENCLOSURE TYPE: NEMA 1																												
LUGS TYPE:										CIRCUIT DESCRIPTION																												
CKT	CIRCUIT DESCRIPTION									VD%	ANG	GND	TRIP	FRAME	POLE	A	B	C	POLE/FRAME	TRIP	GND	ANG	VD%	CIRCUIT DESCRIPTION									CKT					
1	(H) LTG 102 101A									1.577	#12	#12	20 A	20 A	1		0.58	1.08				1	20 A	20 A	#12	#12	1.008	(H) RCPT 101B, 101A										2
3	(H) LTG SALES 101A									1.397	#12	#12	20 A	20 A	1							2	20 A	20 A	#12	0.212	(G) TTB   RCPT PRE-SALES 106										4	
5	(H) LTG SALES 101A									0.905	#12	#12	20 A	20 A	1							3	20 A	20 A	#12	0.514	(G) RCPT OFFICE 102										6	
7	(H) LTG SALES 101A									0.741	#12	#12	20 A	20 A	1		0.58	0.18				4	20 A	20 A	#12	0.547	(G)   RCPT OFFICE 102										8	
9	(H) LTG 101A 101B									0.25	#12	#12	20 A	20 A	1							5	20 A	20 A	#12	0.543	(G)   RCPT OFFICE 102										10	
11	(H) LTG SALES 101B									0.272	#12	#12	20 A	20 A	1							6	20 A	20 A	--	--	(H) SPARE										12	
13	(H) LTG SALES 101B									0.218	#12	#12	20 A	20 A	1		0.29	0.00				7	20 A	20 A	--	--	(H) SPARE										14	
15	(H) LTG SALES 101B									0.275	#12	#12	20 A	20 A	1							8	20 A	20 A	--	--	(H) SPARE										16	
17	(H) LTG 101A 101B									0.161	#12	#12	20 A	20 A	1							9	20 A	20 A	--	--	(H) SPARE										18	
19	(H) LTG 101A 101B									1.275	#12	#12	20 A	20 A	1		0.58	0.00				10	20 A	20 A	--	--	(H) SPARE										20	
21	(H) EF-1-A   LTG 106,103,105,104,107									0.491	#10	#10	20 A	20 A	1							11	20 A	20 A	--	--	(H) SPARE										22	
23	(H) SIGNAGE									2.951	#10	#10	20 A	20 A	1							12	20 A	20 A	--	--	(H) SPARE										24	
25	(G) CHECK LANE   NON-CONT.									0.389	#12	#12	20 A	20 A	2		0.20	0.00				13	20 A	20 A	--	--	(H) SPARE										26	
27	(G) CHECK LANE   NON-CONT.									0.43	#12	#12	20 A	20 A	2							14	20 A	20 A	--	--	(H) SPARE										28	
29	(G) CHECK LANE   NON-CONT.									0.43	#12	#12	20 A	20 A	2							15	20 A	20 A	--	--	(H) SPARE										30	
31	(G) CHECK LANE   NON-CONT.									0.43	#12	#12	20 A	20 A	2							16	20 A	20 A	--	--	(H) SPARE										32	
33	(G) CHECK LANE   NON-CONT.									0.459	#12	#12	20 A	20 A	2							17	20 A	20 A	--	--	(H) SPARE										34	
35	(G) CHECK LANE   NON-CONT.									0.459	#12	#12	20 A	20 A	2							18	20 A	20 A	--	--	(H) SPARE										36	
37	(G) CHECK LANE   NON-CONT.									0.487	#12	#12	20 A	20 A	2		0.20	0.00				19	20 A	20 A	--	--	(H) SPARE										38	
39	(G) CHECK LANE   NON-CONT.									0.487	#12	#12	20 A	20 A	2		0.20	0.00				20	20 A	20 A	--	--	(H) SPARE										40	
41	(L) NON-CONT. PRE-SALES 106									0.066	#12	#12	20 A	20 A	1							21	20 A	20 A	--	--	(H) SPARE										42	

LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS	
Continuous		1200 VA		125.00%		1500 VA		PANEL TOTALS	
Cooling		0 VA		0.00%		0 VA		EXISTING CONNECTED LOAD:	
Elevator		0 VA		0.00%		0 VA		EXISTING LOAD DEMAND FACTOR:	
Heating		0 VA		0.00%		0 VA		ADDED CONNECTED LOAD:	
Kitchen Equipment		0 VA		0.00%		0 VA		ADDED CONNECTED LOAD:	
Lighting		5745 VA		125.00%		7185 VA		DEMAND CALCULATION NOTES:	
Motor		696 VA		125.00%		870 VA		TOTAL DEMAND:	
Non-Continuous		1800 VA		100.00%		1800 VA		TOTAL DEMAND AMPS:	
Receptacle		1980 VA		100.00%		1980 VA		TOTAL DEMAND AMPS:	

NOTES: BREAKER QUANTITIES (NEW ONLY)  
(1) 20A / 1P, (1) 20A / 1P(L), (4) 20A / 2P

PANEL NAME: MDP																		PHASE: Existing																																				
SUPPLY FROM: D1										MAINS RATING (A): 400										FAULT CURRENT (A): 15472										SURGE SUPPRESSION: ULSE:																								
LOCATION: PRE-SALES 106										MAINS TYPE: MAIN LUGS ONLY										SHORT CIRCUIT RATING (A): EXISTING										200% NEUTRAL:																								
DISTRIBUTION SYSTEM: 208/120V 3PH 4W										FEEDER ID: X400										LUGS TYPE:										ISOLATED GROUND:																								
FEEDER: EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE										ENCLOSURE TYPE: NEMA 1																																												
CKT	CIRCUIT DESCRIPTION										VD%	AWG	GND	TRIP	FRAME	POLE	A	B	C	POLE/FRAME	TRIP	GND	AWG	VD%	CIRCUIT DESCRIPTION										CKT																			
3	BALER   MOTOR PRE-SALES 106										0.543	#4	#10	60 A	60 A	3	5.76	0.02									3	20 A	20 A	#12	0.012	(H) SPARE	106	2																				
5																																																						4
7																																																						
9	(H) SPARE										--	--	--	70 A	--	3		0.00	0.00							3	--	100 A	--	--	(H) SPARE		8																					
11																																		10																				
13																																		12																				
15	(EX) RTU-2-A   MOTOR SALES 101B										--	--	--	150 A	150 A	3	13.40	13.40								3	150 A	150 A	--	--	(EX) RTU-1-A   MOTOR SALES 101A		14																					
17																																		16																				
TOTAL CONNECTED LOAD:															32.6 kVA					32.6 kVA					ESTIMATED DEMAND															18														
LOAD CLASSIFICATION		CONNECTED LOAD					DEMAND FACTOR					ESTIMATED DEMAND					PANEL TOTALS																																					
Continuous		0.00%					0.00%					0 VA					EXISTING CONNECTED LOAD:																																					
Cooling		0.00%					0.00%					0 VA					EXISTING LOAD DEMAND FACTOR:																																					
Elevator		0.00%					0.00%					0 VA					ADDED CONNECTED LOAD:					97740 VA																																
Heating		0.00%					0.00%					0 VA					DEMAND CALCULATION NOTES:																																					
Kitchen Equipment		0.00%					0.00%					0 VA					TOTAL DEMAND:					107791.2 VA																																
Lighting		0.00%					0.00%					0 VA																																										
Motor		97690 VA					110.25%					107741 VA																																										
Non-Continuous		50 VA					100.00%					50 VA					TOTAL DEMAND AMPS:					299 A																																
Receptacle		0 VA					0.00%					0 VA																																										
NOTES:										BREAKER QUANTITIES (NEW ONLY)																																												
										(1) 20A / 3P, (1) 60A / 3P																																												