

ELECTRICAL LOAD SUMMARY				
LOAD DESCRIPTION	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND (KVA)	CODE SECTION
LIGHTING	39.491	1.25	49.401	N.E.C. 215.2
RECEPTACLES	24.892	1.0 + (50% REMAINING)	17.446	N.E.C. 220.44
MOTOR	90.033	1 + (0.25 * LARGEST MOTOR)	95.608	N.E.C. 220.51
HEATING	1.874	1.0	1.874	N.E.C. 220.51
REFRIGERATION	152.690	1.0	152.690	N.E.C. 440
<b>TOTAL LOAD (KVA)</b>	<b>309.170</b>		<b>317.219</b>	
<b>AMPS</b>	<b>858.17</b>		<b>880.51</b>	

NOTES:  
 1. FURNISH WITH HANDLE LOCK.  
 2. ROUTE THROUGH CPC CONTACTOR ENCLOSURE. REFER TO DETAIL D1/E-102.  
 3. CONNECT CIRCUIT GROUND CONDUCTOR TO ISOLATED GROUND BUS.

PANEL L1														
LOCATION: BACK ROOM MOUNTING: SURFACE FRAME SIZE: 225 MAIN SIZE: 225 AMP MLO FED FROM: PANEL D/F										DISTRIBUTION: 208Y/120V PHASE: 3 WIRE: 4 FAULT CURRENT RATING (KACI): 65				
BRANCH CIRCUIT DESCRIPTION	KVA	WIRE SIZE	GND SIZE	CB	P	NOTE	CIRCUIT NO.			WIRE SIZE	GND SIZE	KVA	BRANCH CIRCUIT DESCRIPTION	
							A	B	C					
NIGHT LIGHTING & SALES AREA EXITS	0.407	10	10	20	1	HL	1	2	20	1	12	12	0.100	CPC/VO PANEL & SEMENS (EHS-2)
SALES AREA LIGHTING (BEAR AREA)	0.292	10	10	20	1	CC	3	4	20	1	12	12	0.245	LIGHTS OFFICE BREAKROOM, TOILETS
SALES AREA LIGHTING (ISLE #1)	1.136	10	10	20	1	CC	5	6	20	1	10	10	0.246	LIGHTS BACKROOM
SALES AREA LIGHTING (ISLE #2)	1.856	10	10	20	1	CC	7	8	20	1	10	10	0.420	CANOPY TOWER SIGN
SALES AREA LIGHTING (ISLE #3)	1.836	10	10	20	1	CC	11	12	20	1	10	10	0.420	CANOPY TOWER SIGN
SALES AREA LIGHTING (ISLE #4)	1.836	10	10	20	1	CC	9	10	20	1	10	10	0.420	CANOPY TOWER SIGN
SALES AREA LIGHTING (ISLE #5)	1.822	10	10	20	1	CC	15	16	20	1	10	10	0.528	Pylon/MONUMENT SIGN
SALES AREA LIGHTING (PROM AREA)	0.891	10	10	20	1	CC	17	18	20	1	10	10	0.138	EXTERIOR BUILDING LIGHTS
SALES AREA LIGHTING (DISCOUNT)	1.998	10	10	20	1	CC	19	20	20	1	10	10	0.541	ENTRY AREA LIGHTS
SALES AREA ILLUMINATED SIGN BOXES	0.720	10	10	20	1	CC	21	22	20	1	10	10	0.258	SALES AREA GRAPHIC WALL LIT
SALES AREA ILLUMINATED SIGN BOXES	0.720	10	10	20	1	CC	23	24	20	1	12	12	0.490	FREEZER/COOLER INTERIOR LIGHTS
SALES AREA ILLUMINATED SIGN BOXES	0.720	10	10	20	1	CC	25	26	20	1	10	12	0.924	FREEZER LED DOOR LIGHTS
SALES AREA ILLUMINATED SIGN BOXES	0.900	10	10	20	1	CC	27	28	20	1	10	12	0.388	COOLER LED DOOR LIGHTS
SALES AREA ILLUMINATED SIGN BOXES	0.764	10	10	20	1	CC	29	30	20	1	10	10	0.520	SPOT MERCHANDISER LIGHTS
ILLUMINATED WELCOME SIGN BOX	0.960	10	10	20	1	CC	31	32	20	1	10	10	1.440	ACCENT LIGHT
SPARE							33	34	20	1	10	10		ACCENT LIGHT
SALES AREA LIGHTING (PRODUCT)	1.026	10	10	20	1	CC	35	36	20	1	10	10	0.440	ACCENT LIGHT
SALES AREA LIGHTING (PRODUCT)	1.026	10	10	20	1	CC	37	38	20	1	10	10		SPARE
SPARE							39	40	20	1	10	10		EXTERIOR SIGN LIGHTS
SPARE							41	42	20	1	10	10		SPARE
PARKING SITE LIGHTING	0.224	10	10	15	2	CC	43	44	20	1				SPARE
PARKING SITE LIGHTING	0.224	10	10	15	2	CC	45	46	20	1				SPARE
PARKING SITE LIGHTING	0.224	10	10	15	2	CC	47	48	20	1				SPARE
PARKING SITE LIGHTING	0.224	10	10	15	2	CC	49	50	20	1				SPARE
PARKING SITE LIGHTING	0.224	10	10	15	2	CC	51	52	20	1				SPARE
PARKING SITE LIGHTING	0.224	10	10	15	2	CC	53	54	20	1				SEMIENS EHS LIGHTING CONTROL (EHS-1)
<b>TOTAL CONN. LOAD:</b>	<b>33.025</b>						<b>PHASE A: 11.86</b>							
<b>CONNECTED AMPS:</b>	<b>118.4</b>						<b>PHASE B: 11.26</b>							
<b>DEMAND AMPS:</b>							<b>PHASE C: 20.51</b>							

PANEL L2														
LOCATION: BACK ROOM MOUNTING: SURFACE FRAME SIZE: 225 MAIN SIZE: 225 AMP MLO FED FROM: PANEL D/F										DISTRIBUTION: 208Y/120V PHASE: 3 WIRE: 4 FAULT CURRENT RATING (KACI): 65				
BRANCH CIRCUIT DESCRIPTION	KVA	WIRE SIZE	GND SIZE	CB	P	NOTE	CIRCUIT NO.			WIRE SIZE	GND SIZE	KVA	BRANCH CIRCUIT DESCRIPTION	
							A	B	C					
OFFICE IT RACK RCP	0.200	12	12	20	1		1	2	20	1	12	12	1.580	BREAKROOM GENERAL RCP/MEC/CLOCK
OFFICE COUNTER RCP(SHARED)	0.350	12	12	20	1		3	4	20	1	12	12	0.360	BREAKROOM COUNTER GR RCP
OFFICE COUNTER RCP	0.240	12	12	20	1		5	6	20	1	12	12	0.540	BREAKROOM COUNTER GR RCP
RESTROOM UTILITY AREA RCP	0.720	12	12	20	1		7	8	20	1	12	12	0.820	BREAKROOM REFRIGERATOR
UTILITY AREA RCP	1.200	10	10	20	1		9	10	20	1	12	12	1.320	BREAKROOM DISHWASHER
UTILITY AREA RCP	1.200	10	10	20	1		11	12	20	1	12	12	1.152	BREAKROOM GARBAGE DISPOSAL
LIFT CHARGER	1.200	10	10	20	1		13	14	20	1	12	12	0.900	VESTIBULE GR & SALES AREA RCP
LIFT CHARGER	1.200	10	10	20	1		15	16	20	1	12	12	0.540	SALES AREA DISTRIBUTION
LIFT CHARGER	1.200	10	10	20	1		17	18	20	1	12	12	0.620	CHECKOUT CONVEYORS
FLOOR SCRUBBER CHARGER	1.900	10	10	20	1		19	20	20	1	12	12	0.620	CHECKOUT CONVEYORS
ROOFTOP UNIT RCP & LG	0.440	12	12	15	1		21	22	20	1	12	12		SPARE
EXTERIOR GR RCP	0.180	12	12	15	1		23	24	20	1	10	10	0.620	AUTO DOOR
SECURITY SYSTEM RCP	0.900	12	12	20	1	HL	25	26	20	1	10	10	0.620	AUTO DOOR
FREE ALARM SYSTEM RCP	0.400	12	12	20	1	HL	27	28	20	1	10	10	0.620	AUTO DOOR
WTL SMOKE DETECTORS	0.200	12	12	15	1	HL	31	32	20	1	10	10	1.000	WOMEN'S ROOM HANO DRIVER (HD-1)
BUBBLER & BELL TRANSFORMER	0.100	12	12	15	1		33	34	20	1	10	10	1.000	WOMEN'S ROOM HANO DRIVER (HD-1)
FREEZER THRESHOLD HEATER	0.800	12	12	20	1		35	36	20	1				SPARE
SPARE							37	38	20	1				SPARE
SPARE							39	40	20	1				SPARE
SPARE							41	42	20	1				SPARE
SPARE							43	44	20	1				SPARE
SPARE							45	46	20	1				SPARE
SPARE							47	48	20	1				SPARE
SPARE							49	50	20	1				SPARE
SPARE							51	52	15	1	12	12	0.430	SPOT MERCHANDISER
SPOT MERCHANDISER	0.430	12	12	15	1		53	54	15	1	12	12	0.430	SPOT MERCHANDISER
SPOT MERCHANDISER	0.430	12	12	15	1		55	56	15	1	12	12	0.430	SPOT MERCHANDISER
SPOT MERCHANDISER	0.430	12	12	15	1		57	58	15	1	12	12	0.430	SPOT MERCHANDISER
SPOT MERCHANDISER	0.430	12	12	15	1		59	60	15	1	12	12	0.430	SPOT MERCHANDISER
SPOT MERCHANDISER	0.430	12	12	15	1		61	62	15	1	12	12	0.430	SPOT MERCHANDISER
UPS 2 (FUTURE)	3.200	10	10	30	1	IG	63	64	15	1	12	12	0.430	SPOT MERCHANDISER
UPS-1	3.200	10	10	30	1	IG	65	66	15	1	12	12	0.430	SPOT MERCHANDISER
<b>TOTAL CONN. LOAD:</b>	<b>37.367</b>						<b>PHASE A: 8.78</b>							
<b>CONNECTED AMPS:</b>	<b>108.72</b>						<b>PHASE B: 15.12</b>							
<b>DEMAND AMPS:</b>	<b>92.74</b>						<b>PHASE C: 13.47</b>							

PANEL L3														
LOCATION: BACK ROOM MOUNTING: SURFACE FRAME SIZE: 225 MAIN SIZE: 225 AMP MLO FED FROM: PANEL D/F										DISTRIBUTION: 208Y/120V PHASE: 3 WIRE: 4 FAULT CURRENT RATING (KACI): 65				
BRANCH CIRCUIT DESCRIPTION	KVA	WIRE SIZE	GND SIZE	CB	P	NOTE	CIRCUIT NO.			WIRE SIZE	GND SIZE	KVA	BRANCH CIRCUIT DESCRIPTION	
							A	B	C					
ELECTRIC WATER HEATER (EWH-1)	2.000	10	10	25	1		1	2	30	2	10	10	2.000	ROOFTOP UNIT (RTU-2)
WATER RECIRC PUMP (WRP-1)	0.025	12	12	20	1		3	4	30	-	10	-	2.000	
DOCK LOAD LEVELER	0.600	12	12	20	1		5	6	15	2	12	12	1.300	SPLIT SYSTEM (HP-1/FCU-1)
UNIT HEATERS (UH-1/UH-2)	1.069	12	12	20	1		7	8	15	-	12	-	1.300	
EXHAUST FAN (EF-2/EF-3)	0.733	12	12	20	1	CC	9	10	20	3	10	10	1.933	
SPARE							11	12	20	-	10	-	1.933	CONDENSATE VACUUM SYSTEM
SPARE							13	14	20	-	10	-	1.933	
SPARE							15	16	20	1				SPARE
SPARE							17	18	20	1				SPARE
SPARE							19	20	20	1				SPARE
SPARE							21	22	20	1				SPARE
SPARE							23	24	20	1				SPARE
SPARE							25	26	20	1				SPARE
SPARE							27	28	20	1				SPARE
SPARE							29	30	20	1				SPARE
SPARE							31	32	20	1				SPARE
SPARE							33	34	20	1				SPARE
SPARE							35	36	20	1				SPARE
SPARE							37	38	20	1				SPARE
SPARE							39	40	20	1				SPARE
SPARE							41	42	20	1				SPARE
<b>TOTAL CONN. LOAD:</b>	<b>17.277</b>						<b>PHASE A: 8.50</b>							