

ELECTRICAL LOAD SUMMARY (TENANT)				
LOAD DESCRIPTION	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND (KVA)	CODE SECTION
LIGHTING	0.540	1.25	0.675	N.E.C. 215.2
RECEPTACLES	3.260	1	3.260	N.E.C. 220.44
MOTOR	68.143	1+(0.25*LARGEST MOTOR)	68.155	N.E.C. 220.50
HEATING	0.000	1.0	0.000	N.E.C. 220.51
REFRIGERATION	0.000	1.0	0.000	N.E.C. 440
TOTAL LOAD (KVA)	71.943		72.090	
AMPS	86.53		86.71	

HL - FURNISH WITH HANDLE LOCK.
 CC - ROUTE THROUGH CFC CONTACTOR ENCLOSURE. REFER TO DETAIL D/E-102.
 IG - CONNECT CIRCUIT GROUND CONDUCTOR TO SOLIDATED GROUND BUS.

PANEL A1																	
LOCATION: TENANT										DISTRIBUTION: 480Y/277V							
MOUNTING: SURFACE										PHASE: 3							
FRAME SIZE: 100										WIRE: 4							
MAIN SIZE: 200 AMP MCB										FAULT CURRENT RATING (KAIC): 25							
FED FROM: UTILITY																	
BRANCH CIRCUIT DESCRIPTION	KVA	WIRE SIZE	GND SIZE	CB	P	NOTE	CIRCUIT NO.	A	B	C	CB	P	NOTE	WIRE SIZE	GND SIZE	KVA	BRANCH CIRCUIT DESCRIPTION
RTU-3	22.498	4	8	90	3		1	1	2	3	2	60	3	6	10	1.000	RTU-3
SPARE	22.498	4	8	90	3		3	1	4	5	6	60	3	6	10	0.800	SPARE
SPARE	22.498	4	8	90	3		5	1	6	7	8	60	3	6	10	2.000	SPARE
SPARE							7	1	8	9	10	20	1				SPARE
SPARE							9	1	10	11	12	20	1				SPARE
SPARE							11	1	12	13	14	20	1				SPARE
SPARE							13	1	14	15	16	20	1				SPARE
SPARE							15	1	16	17	18	20	1				SPARE
SPACE							17	1	18	19	20	1					SPACE
SPACE							19	1	20	21	22	1					SPACE
SPACE							21	1	22	23	24	1					SPACE
SPACE							23	1	24	25	26	1					SPACE
SPACE							25	1	26	27	28	1					SPACE
SPACE							27	1	28	29	30	1					SPACE
SPACE							29	1	30								SPACE
TOTAL CONN. LOAD:	71.943 KVA																
CONNECTED AMPS:	86.53 AMPS																
DEMAND AMPS:	86.71 AMPS																

PANEL B1																	
LOCATION: TENANT										DISTRIBUTION: 208Y/120V							
MOUNTING: SURFACE										PHASE: 3							
FRAME SIZE: 100										WIRE: 4							
MAIN SIZE: 100 AMP MCB										FAULT CURRENT RATING (KAIC): 25							
FED FROM: UTILITY																	
BRANCH CIRCUIT DESCRIPTION	KVA	WIRE SIZE	GND SIZE	CB	P	NOTE	CIRCUIT NO.	A	B	C	CB	P	NOTE	WIRE SIZE	GND SIZE	KVA	BRANCH CIRCUIT DESCRIPTION
EM/NIGHT LIGHTING	0.100	12	12	20	1	HL	1	2	3	2	20	1		12	12	0.900	RCPT GENERAL
LIGHTING	0.490	12	12	20	1		3	1	4	5	4	20	1	12	12	0.360	RCPT STORAGE/FR
SPARE							5	1	6	7	8	20	1	10	10	2.000	ELECTR WATER HEATER [EWH-2]
SPARE							7	1	8	9	10	20	1				SPARE
SPARE							9	1	10	11	12	20	1				SPARE
SPARE							11	1	12	13	14	20	1				SPARE
SPARE							13	1	14	15	16	20	1				SPARE
SPACE							15	1	16	17	18	20	1				SPACE
SPACE							17	1	18	19	20	1					SPACE
SPACE							19	1	20	21	22	1					SPACE
SPACE							21	1	22	23	24	1					SPACE
SPACE							23	1	24	25	26	1					SPACE
SPACE							25	1	26	27	28	1					SPACE
SPACE							27	1	28	29	30	1					SPACE
SPACE							29	1	30								SPACE
TOTAL CONN. LOAD:	3.850 KVA																
CONNECTED AMPS:	10.69 AMPS																
DEMAND AMPS:	11.0 AMPS																

ELECTRICAL LOAD SUMMARY (ALDI)				
LOAD DESCRIPTION	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND (KVA)	CODE SECTION
LIGHTING	30.359	1.25	37.949	N.E.C. 215.2
RECEPTACLES	27.412	1+(0.25*LARGEST MOTOR)	18.706	N.E.C. 220.44
MOTOR	92.149	1+(0.25*LARGEST MOTOR)	97.724	N.E.C. 220.50
HEATING	1.874	1.0	1.874	N.E.C. 220.51
REFRIGERATION	132.400	1.0	132.400	N.E.C. 440
TOTAL LOAD (KVA)	284.194		286.653	
AMPS	788.84		801.22	

HL - FURNISH WITH HANDLE LOCK.
 CC - ROUTE THROUGH CFC CONTACTOR ENCLOSURE. REFER TO DETAIL D/E-102.
 IG - CONNECT CIRCUIT GROUND CONDUCTOR TO SOLIDATED GROUND BUS.

PANEL L1																	
LOCATION: BACK ROOM										DISTRIBUTION: 208Y/120V							
MOUNTING: SURFACE										PHASE: 3							
FRAME SIZE: 225										WIRE: 4							
MAIN SIZE: 225 AMP MLO										FAULT CURRENT RATING (KAIC): 65							
FED FROM: PANEL DP																	
BRANCH CIRCUIT DESCRIPTION	KVA	WIRE SIZE	GND SIZE	CB	P	NOTE	CIRCUIT NO.	A	B	C	CB	P	NOTE	WIRE SIZE	GND SIZE	KVA	BRANCH CIRCUIT DESCRIPTION
NIGHT LIGHTING & SALES AREA EXITS	0.510	10	10	20	1	HL	1	2	3	2	20	1		10	10	0.400	RCPT I/O PANEL & EXITS
SALES AREA LIGHTING (REAR AISLE)	0.918	10	10	20	1		3	1	4	5	4	20	1	12	12	0.800	LIGHTS OFFICE, BREAKROOM, TOILETS
SALES AREA LIGHTING (AISLE 6)	0.276	10	10	20	1		5	1	6	7	8	20	1	10	10	0.074	LIGHTS BACK ROOM
SALES AREA LIGHTING (AISLE 5)	1.640	10	10	20	1		7	1	8	9	10	20	1				SPARE
SALES AREA LIGHTING (AISLE 4)	1.620	10	10	20	1		9	1	10	11	12	20	1				SPARE
SALES AREA LIGHTING (AISLE 3)	1.620	10	10	20	1		11	1	12	13	14	20	1				SPARE
SALES AREA LIGHTING (AISLE 2)	1.134	10	10	20	1		13	1	14	15	16	20	1				SPARE
SALES AREA LIGHTING (AISLE 1)	1.878	10	10	20	1		15	1	16	17	18	20	1				SPARE
SALES AREA LIGHTING (FRONT AISLE)	0.802	10	10	20	1		17	1	18	19	20	1					SPARE
SALES AREA LIGHTING (CHECKOUT)	2.043	10	10	20	1		19	1	20	21	22	20	1	10	10	0.294	EXTERIOR BUILDING LIGHTS
SALES AREA ILLUMINATED SIGN BOXES	0.720	10	10	20	1		21	1	22	23	24	20	1				SPARE
SALES AREA ILLUMINATED SIGN BOXES	0.900	10	10	20	1		23	1	24	25	26	20	1	12	12	0.490	FREEZER/COOLER INTERIOR LIGHTS
SALES AREA ILLUMINATED SIGN BOXES	0.900	10	10	20	1		25	1	26	27	28	20	1	12	12	0.924	FREEZER LED DOOR LIGHTS
SALES AREA ILLUMINATED SIGN BOXES	0.720	10	10	20	1		27	1	28	29	30	20	1	12	12	0.588	COOLER LED DOOR LIGHTS
SPARE							29	1	30	31	32	20	1	10	10	0.520	SPOT MERCHANDISER LIGHTS
ILLUMINATED WELCOME SIGN	0.960	10	10	20	1		31	1	32	33	34	20	1	10	10	1.080	CONDOLA ACCENT LIGHT
SALES AREA LIGHTING (PRODUCE)	0.400	10	10	20	1		33	1	34	35	36	20	1	10	10	1.080	CONDOLA ACCENT LIGHT
SPARE							35	1	36	37	38	20	1				SPARE
SPARE							37	1	38	39	40	20	1				SPARE
SPARE							39	1	40	41	42	20	1				SPARE
SPARE							41	1	42	43	44	20	1				SPARE
SPARE							43	1	44	45	46	20	1				SPARE
SPARE							45	1	46	47	48	20	1				SPARE
SPARE							47	1	48	49	50	20	1				SPARE
SPARE							49	1	50	51	52	20	1				SPARE
SPARE							51	1	52	53	54	20	1	12	12	0.100	SIEMENS EMS LIGHT CONTROL (EMS-1)
SPARE							53	1	54	55	56	20	1				SPARE
TOTAL CONN. LOAD:	27.304 KVA																
CONNECTED AMPS:	75.79 AMPS																
DEMAND AMPS:	94.74 AMPS																

PANEL L2																	
LOCATION: BACK ROOM										DISTRIBUTION: 208Y/120V							
MOUNTING: SURFACE										PHASE: 3							
FRAME SIZE: 225										WIRE: 4							
MAIN SIZE: 225 AMP MLO										FAULT CURRENT RATING (KAIC): 65							
FED FROM: PANEL DP																	
BRANCH CIRCUIT DESCRIPTION	KVA	WIRE SIZE	GND SIZE	CB	P	NOTE	CIRCUIT NO.	A	B	C	CB	P	NOTE	WIRE SIZE	GND SIZE	KVA	BRANCH CIRCUIT DESCRIPTION
OFFICE IT BACK RCPT	0.200	10	10	20	1		1	2	3	2	20	1		12	12	1.080	BREAK ROOM RCPT/MECLOCK
OFFICE COUNTER RCPT/A/FIELD	0.900	10	10	20	1		3	1	4	5	4	20	1	12	12	0.360	BREAK ROOM COUNTER GFI RCPT
OFFICE COUNTER RCPT	1.440	10	10	20	1		5	1	6	7	8	20	1	12	12	0.540	BREAK ROOM COUNTER GFI RCPT
SPARE							7	1	8	9	10	20	1	12	12	0.800	BREAK ROOM REFRIGERATOR
BACK ROOM, UTILITY AREA RCPT	0.720	10	10	20	1		9	1	10	11	12	20	1	12	12	1.320	BREAK ROOM