SWBD: MSB

120/208 VOLT, 3 PHASE, 4 WIRE — AMP RATING:2500A — MAINS: MLO — AIC RATING: 65,000 — MOUNTING: FLOOR MOUNTED.

REV NO.	CKT NOTE	LOAD TYPE	SERVING	KVA LOAD	OVERCURRENT DEVICE TRIP	FRAME	POLE	CIRC. NO.	PH	CIRC. NO.	OVERCURRENT DEVICE POLE	FRAME	TRIP	KVA LOAD	SERVING	LOAD TYPE	CKT NOTE	REV NO.
	1		PANEL H	5.04	150	250	3	1	A	2	3	250	225	21.84	PANEL K		1	
				5.04					B					21.84				
				5.04					C					21.84				
	1	R	WIRE TROUGH WT-A1	27.50	500	600	3	3	A	4	3	225	225		SPARE		1	
		R	(COMPRESSOR RACK B)	27.50					B									
		R		27.50					C									
	1	R	WIRE TROUGH WT-A2	47.56	500	600	3	5	A	[redacted]								
		R	(COMPRESSOR RACK A & C)	47.56					B									
		R		47.56					C									
	1		PANEL A	5.63	60	100	3	7	A	8	3	250	150	4.35	PANEL C		1	
				5.63					B					4.35				
				5.63					C					4.35				
	1		SPACE 3"				3	9	A	10	3	250	150	12.83	PANEL GL		1	
									B					12.83				
									C					12.83				
	1		PANEL DB	34.98	400	400	3	11	A	12	3	250	250	28.94	RTU-5 (SEASONS 4)	AC	3	
				34.98					B					28.94		AC		
				34.98					C					28.94		AC		
	1		SPARE		275	400	3	13	A	14	3	250	225	12.57	PANEL E		1	
									B					12.57				
									C					12.57				
	1		PANEL G	23.90	275	400	3	15	A	16	3	250	225	22.84	PANEL F		1	
				23.90					B					22.84				
				23.90					C					22.84				
	1		PANEL B	11.87	250	250	3	17	A	18	3	250	100		SPARE		1	
				11.87					B									
				11.87					C									
[redacted]									A	20	3	250	100	10.09	RTU-2 (FROZEN FOOD)	AC	1	
									B					10.09		AC		
									C					10.09		AC		

PANEL: A

120/208 VOLT, 3 PHASE, 4 WIRE — AMP RATING: 225A — MAINS: MLO — MANUFACTURER: SQUARE D — TYPE: NQOD — AIC RATING: EXISTING — MOUNTING: FLUSH

REV NO.	CKT NOTE	LOAD TYPE	SERVING	KVA LOAD	WIRE HOT	WIRE NEUT	WIRE GRND	BREAKER TRIP	BREAKER POLE	CIRC. NO.	PH	CIRC. NO.	BREAKER POLE	BREAKER TRIP	WIRE GRND	WIRE NEUT	WIRE HOT	KVA LOAD	SERVING	LOAD TYPE	CKT NOTE	REV NO.
	4	REC	USCANS`	0.36	10	10	10	20	1	1	A	2	1	20	12	12	12	0.36	MNGR OFF SEC TERM REC	REC	1	
	4	REC	USCANS`	0.36	10	10	10	20	1	3	B	4	1	20	12	12	12	0.36	U-SCAN	REC	9	
	1	REC	DATA PROC	0.90				20	1	5	C	6	1	20	12	12	12	0.36	U-SCAN	REC	9	
	1	REC	DATA PROC	0.90				20	1	7	A	8	1	20	12	12	12	0.36	U-SCAN	REC	9	
	4	REC	USCAN	0.18	10	10	10	20	1	9	B	10	1	20	10	10	10	0.36	U-SCANS	REC	2	
	4	REC	USCAN CASHIER	0.18	10	10	10	20	1	11	C	12	1	20	10	10	10	0.18	U-SCAN	REC	2	
	1	REC	WORK STATION	0.54				20	1	13	A	14	1	20	12	12	12	0.36	CHECKOUT #4 & #5	REC	1,11	
			SPARE					20	1	15	B	16	1	20	12	12	12	0.36	CHECKOUT #2 & #3	REC	1,11	
	1	REC	PRINTER	0.54				20	1	17	C	18	1	20	12	12	12	0.18	CHECKOUT #1	REC	9,11	
	1	REC	UPS SERVER	0.54				30	1	19	A	20	1	20					SPARE		6	
	1	REC	ATM	0.36				20	1	21	B	22	1	20	10	10	10	0.36	FIRE ALARM	REC	1	
	1	REC	SOUND EQUIPMENT	0.36	12	12	12	20	1	23	C	24	1	20	8	8	8	0.89	SALES NT / EM LIGHTS	L	1	
	5	REC	DSD OFFICE REC	0.18	10	10	10	20	1	25	A	26	1	20	8	8	8	0.79	SALES NT / EM LIGHTS	L	1	
	5	REC	DSD OFFICE REC	0.18	10	10	10	20	1	27	B	28	1	20				0.36	LTG - NT SALES	L	1	
	5		SPARE					20	1	29	C	30	2	20				0.60	EXISTING CIRCUIT	N	1	
	1	N	EMS BX-400 & I/O BRDS	0.60	10	10	10	20	1	31	A	32	-	-				0.60	-	N		
	9	N	D/B SCALE	0.67	12	12	12	20 GFI	1	33	B	34	1	20				0.36	LTG - NT SALES	L	1	
	9	N	D/B SCALE	0.93	12	12	12	20 GFI	1	35	C	36	1	20				0.36	LTG - NT SALES	L	1	
	1	N	D/B SCALE PRINTER	0.62	12	12	12	20 GFI	1	37	A	38	1	20 GFI	12	12	12	0.31	D/B PRINTER SCANNER	N	1	
	1	REC	MNGR OFFICE COMP REC	0.72	12	12	12	20	1	39	B	40	1	20 GFI	12	12	12	0.31	SCALE 662	N	1	
	1	REC	MNGR SERVICE TERM	0.36	12	12	12	20	1	41	C	42							SPACE			
																			NEC KVA	17		
																			NEC AMPS	47		

SERVICE	KVA LOAD	NEC LOAD	DEMAND FACTOR
LIGHTS (L)	1.9	2.3	1.25
KITCHEN EQUIPMENT (K)	0.0	0.0	1.00
RECEPTACLES (REC)	9.9	9.9	1.00/.50
HOT WATER HEATER (HW)	0.0	0.0	1.00
AIR CONDITIONING (AC)	0.0	0.0	0.00
ELECTRIC HEAT (EH)	0.0	0.0	0.00
REFRIGERATION (R)	0.0	0.0	1.00
CONTINUOUS (C)	0.0	0.0	1.25
NON CONTINUOUS (N)	4.6	4.6	1.00
TOTAL	16.4		
NEC TOTAL DEMAND		16.9	

PANEL: 1B

120/208 VOLT, 3 PHASE, 4 WIRE — AMP RATING: 400A — MAINS: MLO — MANUFACTURER: SQUARE D — TYPE: NQOD — AIC RATING: EXISTING — MOUNTING: FLUSH

REV NO.	CKT NOTE	LOAD TYPE	SERVING	KVA LOAD	WIRE HOT	WIRE NEUT	WIRE GRND	BREAKER TRIP	BREAKER POLE	CIRC. NO.	PH	CIRC. NO.	BREAKER POLE	BREAKER TRIP	WIRE GRND	WIRE NEUT	WIRE HOT	KVA LOAD	SERVING	LOAD TYPE	CKT NOTE	REV NO.
	1	REC	ICE / DRY BOXES	1.00				20	1	1	A	2	1	20				0.30	CHECKOUT #1	REC	9,11	
	1	REC		1.00				20/20	1	3	B	4	1	20				0.60	CHECKOUT #2 & #3	REC	1,11	
	1	REC	RECEPT EXTERIOR INSIDE	1.00				20	1	5	C	6	1	20				1.00	C.S. PLUG	REC	1	
	1	REC	RECEPT ATU	0.72	12	12	12	20	1	7	A	8	1	20				1.00	RCPT CUSTOMER SER	REC	1	
	4	N	SELF CONT. DRINK COOLERS	1.20	10	10	10	20	1	9	B	10	1	20				1.20	RCPT CUSTOMER SER	REC	1	
	4	N	SELF CONT. DRINK COOLERS	1.20	10	10	10	20	1	11	C	12	1	20	10	10	10	0.36	REDBOX KIOSK	REC	4	
	4	N	SELF CONT. DRINK COOLERS	1.20	10	10	10	20	1	13	A	14	1	20					SPARE		1	
	1	REC	REC. WATER	0.18	12	12	12	20	1	15	B	16	1	20				0.80	AUTO DOOR	N	1	
	1	REC	USCAN	0.18	12	12	12	20	1	17	C	18	1	20				0.80	AUTO DOOR	N	1	
	1		SPARE					20	1	19	A	20	1	20				0.80	AUTO DOOR	N	1	
	9	L	LTG EXTERIOR COLUMN	1.20				20	1	21	B	22	1	20				1.00	LTG SIGN	L	1	
	1		SPARE					20	1	23	C	24	1	20				1.00	LTG SIGN	L	1	
	1	REC	COFFEE GRINDER	1.00				20	1	25	A	26	3	30					SPARE		1	
	1	REC	SELFCONT BEV CASE	1.44				20	1	27	B	28	-	-					-			
	1	REC	WATER CASES	1.00				20	1	29	C	30	-	-					-			
	1,11	REC	CHECKOUT #4 & #5	0.60	12	12	12	20	1	31	A	32	3	20					SPARE		1	
	9	REC	U-SCAN	1.50	12	12	12	20	1	33	B	34	-	-					-			
	6		SPARE					20	1	35	C	36	-	-					-			
	1		SPARE					80	3	37	A	38	3	100				5.72	PANEL 2B		1	
								-	-	39	B	40	-	-				5.72	-			
								-	-	41	C	42	-	-				5.72	-			
																			NEC KVA	36		
																			NEC AMPS	99		

SERVICE	KVA LOAD	NEC LOAD	DEMAND FACTOR
LIGHTS (L)	2.2	2.8	1.25
KITCHEN EQUIPMENT (K)	0.0	0.0	1.00
RECEPTACLES (REC)	18.8	14.4	1.00/.50
HOT WATER HEATER (HW)	0.0	0.0	1.00
AIR CONDITIONING (AC)	6.3	6.3	1.00
ELECTRIC HEAT (EH)	0.0	0.0	0.00
REFRIGERATION (R)	0.0	0.0	1.00
CONTINUOUS (C)	0.0	0.0	1.25
NON CONTINUOUS (N)	12.2	12.2	1.00
TOTAL	39.4		
NEC TOTAL DEMAND		35.6	

NOTE:
PANEL 2B LOADS INCLUDED IN PANEL 1B LOAD SUMMARY.

PANEL: 2B

120/208 VOLT, 3 PHASE, 4 WIRE — AMP RATING: 100A — MAINS: MLO — MANUFACTURER: SQUARE D — TYPE: NQOD — AIC RATING: EXISTING — MOUNTING: FLUSH

REV NO.	CKT NOTE	LOAD TYPE	SERVING	KVA LOAD	WIRE HOT	WIRE NEUT	WIRE GRND	BREAKER TRIP	BREAKER POLE	CIRC. NO.	PH	CIRC. NO.	BREAKER POLE	BREAKER TRIP	WIRE GRND	WIRE NEUT	WIRE HOT	KVA LOAD	SERVING	LOAD TYPE	CKT NOTE	REV NO.
	1	L	D/B COOLER / FREEZER	0.33	12	12	12	20	1	1	A	2	1	20	12	12	12	0.20	FACILITY STATUS DISPLAY	N	1	
	1	REC	FIRE ALARM POWER	0.36	10	10	10	20	1	3	B	4	1	20	12	12	12	0.60	EMS BRD PWR	N	1	
	1	REC	FIRE ALARM POWER	0.36	10	10	10	20	1	5	C	6	1	20	12	12	12	0.60	EMS BRD PWR	N	1	
	1	REC	FIRE ALARM POWER	0.36	10	10	10	20	1	7	A	8	1	20	12	12	12	0.60	EMS BRD CONTROL	N	1	
	1		SPARE					20	1	9	B	10	1	20	12	12	12	0.60	EMS BRD CONTROL	N	1	
	1		SPARE					20	1	11	C	12	1	20				1.20	EXISTING CIRCUIT	N	1	
	1		SPARE					20	1	13	A	14	1	20				1.20	EXISTING CIRCUIT	N	1	
	1	N	EXISTING CIRCUIT	1.20				20	1	15	B	16	1	15	10	10	10	1.68	COU-1 / CAHU-1 (CUST SERV)	AC	1	
	1	REC	SELF CONT BEV CASE	1.44	12	12	12	20	1	17	C	18	1	15	10	10	10	1.68	COU-2 / CAHU-2 (CUST SERV)	AC	1	
	1	REC	SELF CONT BEV CASE	1.44	12	12	12	20	1	19	A	20	2	15	10		10	1.46	COU-3 / CAHU-3 (ACC. OFF.)	AC	1	
	1	REC	BAG ICE MACHINE	0.54	12	12	12	20	1	21	B	22	-	-			10	1.46	-	AC		
			SPACE							23	C	24	1	15	12	12	12	0.18	TIME CLOCK	REC	1	
																			NEC KVA	17		
																			NEC AMPS	48		

SERVICE	KVA LOAD	NEC LOAD	DEMAND FACTOR
LIGHTS (L)	0.0	0.0	1.25
KITCHEN EQUIPMENT (K)	0.0	0.0	1.00
RECEPTACLES (REC)	4.7	4.7	1.00/.50
HOT WATER HEATER (HW)	0.0	0.0	1.00
AIR CONDITIONING (AC)	6.3	6.3	1.00
ELECTRIC HEAT (EH)	0.0	0.0	0.00
REFRIGERATION (R)	0.0	0.0	1.00
CONTINUOUS (C)	0.0	0.0	1.25
NON CONTINUOUS (N)	6.2	6.2	1.00
TOTAL	17.2		
NEC TOTAL DEMAND		17.2	

PANEL: E

120/208 VOLT, 3 PHASE, 4 WIRE — AMP RATING: 225A — MAINS: MLO — MANUFACTURER: SQUARE D — TYPE: NQOB — AIC RATING: EXISTING — MOUNTING: SURFACE

REV NO.	CKT NOTE	LOAD TYPE	SERVING	KVA LOAD	WIRE HOT	WIRE NEUT	WIRE GRND	BREAKER TRIP	BREAKER POLE	CIRC. NO.	PH	CIRC. NO.	BREAKER POLE	BREAKER TRIP	WIRE GRND	WIRE NEUT	WIRE HOT	KVA LOAD	SERVING	LOAD TYPE	CKT NOTE	REV NO.
	1	L	LIGHT TOILET	0.36				20	1	1	A	2	1	20				0.36	REC - SALES	REC	1	
	1	L	REFRIG. TRENCH LTG	0.28	12	12	12	20	1	3	B	4	1	20				0.36	REC - SALES	REC	1	
	1	L	LTG REAR OF STORE	0.56	12	12	12	20	1	5	C	6	1	20				0.36	REC - SALES	REC	1	
	1	L	LTG REAR OF STORE	0.56	12	12	12	20	1	7	A	8	1	30				0.36	REC - TELECOM	REC	1	
	9	L	LTG RECEIVING / PROD	0.46	12	12	12	20	1	9	B	10	1	20	12	12	12	0.43	EF-4 (R R EXHAUST FAN)	C	9	
	9	L	LTG REAR EXTERIOR	0.19				20	1	11	C	12	1	20				1.20	REC - WATER COOLER	N	1	
	9	L	LTG REAR EXTERIOR	0.29				20	1	13	A	14	1	20				0.70	REC - BREAK ROOM	REC	1	
	1	L	LTG CONF / BREAK RM	0.81	12	12	12	20	1	15	B	16	1	20				1.50	WALL HTR (EMP. LNG)	EH	1	
	1		SPARE					20	1	17	C	18	1	20				1.50	WALL HTR (DEPT MNGR)	EH	1	
	1	REC	MEAT PREP MICROWAVE	1.00				20	2	19	A	20	1	20				0.36	REC - BREAK ROOM	REC	1	
		REC		1.00				-	-	21	B	22	1	20	12	12	12	0.36	PRODUCE MISTING SYSTEM	REC	1	
	1	REC	REC - GROC STORE	0.90				20	1	23	C	24	1	20				0.54	REC - CONF RM.	REC	1	
	1	REC	REC - MEAT SLICER	1.00				20	1	25	A	26	1	20				1.10	REC - 36V BATT. CHG	N	1	
	1		SPARE					20	1	27	B	28	1	20				0.70	REC - 24V BATT. CHG	N	1	
	1		SPARE					20	1	29	C	30	1	20				1.00	REC - MEAT TEND	K	1	
	1	REC	STOCK ROOM / M/SF REC.	0.36	12	12	2	20	1	31	A	32	1	20				0.80	REC - MEAT SLICER	K	1	
	1	REC	PRODUCE PREP REC(S)	0.40	12	12	12	20	1	33	B	34	1	20				0.90	REC - STORAGE	REC	1	
	1		SPARE					20	1	35	C	36	1	20				0.50	REC - MEAT SCALES	N	1	
	1		PANEL "E2"	6.61				100	3	37	A	38	1	20				0.70	REC - MEAT WRAP	K	1	
			-	6.61				-	-	39	B	40	1	20				0.80	REC - MEAT LABEL	K	1	
			-	6.61				-	-	41	C	42	1	20				0.36	REC - STORAGE ROOM	REC	1	
																			NEC KVA	38		
																			NEC AMPS	105		

SERVICE	KVA LOAD	NEC LOAD	DEMAND FACTOR
LIGHTS (L)	3.2	3.9	1.25
KITCHEN EQUIPMENT (K)	9.8	6.4	0.65
RECEPTACLES (REC)	12.3	11.2	1.00/.50
HOT WATER HEATER (HW)	1.5	1.5	1.00
AIR CONDITIONING (AC)	5.4	0.0	0.00
ELECTRIC HEAT (EH)	6.0	6.0	1.00
REFRIGERATION (R)	0.0	0.0	1.00
CONTINUOUS (C)	0.4	0.5	1.25
NON CONTINUOUS (N)	8.2	8.2	1.00
TOTAL	46.8		
NEC TOTAL DEMAND		37.7	

NOTE:
PANEL E2 LOADS INCLUDED IN PANEL E LOAD SUMMARY.

PANEL: E2

120/208 VOLT, 3 PHASE, 4 WIRE — AMP RATING: 100A — MAINS: MLO — SQUARE D — TYPE: QO — AIC RATING: EXISTING — MOUNTING: SURFACE

REV NO.	CKT NOTE	LOAD TYPE	SERVING	KVA LOAD	WIRE HOT	WIRE NEUT	WIRE GRND	BREAKER TRIP	BREAKER POLE	CIRC. NO.	PH	CIRC. NO.	BREAKER POLE	BREAKER TRIP	WIRE GRND	WIRE NEUT	WIRE HOT	KVA LOAD	SERVING	LOAD TYPE	CKT NOTE	REV NO.
	1	K	MEAT ROOM STEAMER	1.80				30	3	1	A	2	2	20	10		10	1.35	COU-4 / CAHU-4	AC	1	
		K	-	1.80				-	-	3	B	4	-	-			10	1.35	-	AC		
		K	-	1.80				-	-	5	C	6	2	20	10		10	1.35	COU-5 / CAHU-5	AC	1	
	1	N	REC - P.M.	0.70				20	1	7	A	8	-	-			10	1.35	-	AC		
	1	K	REC - MICROWAVE	1.10				20	1	9	B	10	2	30				1.50	WALL HTR DSD OFFICE	EH	1	
	1	HW	REC - WATER HEAT	1.50				20	1	11	C	12	-	-				1.50	-	EH		
	1	N	REC - PROD. SCALES	0.60				20	1	13	A	14	1	20	12	12	12	0.20	CF-1 (CAN WASH)	N	1	
	1	N	REC - PROD JUICER	1.20				20	1	15	B	16	1	20	10	10	10	0.60	UNIT HEATER UH-1	N	1	
	1	N	REC - PROD WRAP	1.20				20	1	17	C	18	1	20				1.40	DSD OFFICE PLUG MOLD	REC	1	
	1	REC	REC - PRODUCE	0.90				20	1	19	A	20	1	20	10	10	10	0.54	NEW DSD OFF. PLUGMOLD	REC	4	
	1		SPACE							21	B	22	1	20					SPARE		1	
	1		SPACE							23	C	24	1	20					SPARE		1	
	1		SPACE							25	A	26	1	20					SPARE		1	
			SPACE							27	B	28	1	20	12	12	12	0.20	MTR RM EXH / SF CONTROL	N	1	
			SPACE							29	C	30	1	20	12	12	12	0.18	ROOF RECEPTACLE	REC	1	
																			NEC KVA	20		
																			NEC AMPS	55		

SERVICE	KVA LOAD	NEC LOAD	DEMAND FACTOR
LIGHTS (L)	0.0	0.0	1.25
KITCHEN EQUIPMENT (K)	6.5	5.2	0.80
RECEPTACLES (REC)	3.0	3.0	1.00/.50
HOT WATER HEATER (HW)	1.5	1.5	1.00
AIR CONDITIONING (AC)	5.4	5.4	1.00
ELECTRIC HEAT (EH)	3.0	0.0	0.00
REFRIGERATION (R)	0.0	0.0	1.00
CONTINUOUS (C)	0.0	0.0	1.25
NON CONTINUOUS (N)	4.7	4.7	1.00
TOTAL	24.1		
NEC TOTAL DEMAND		19.8	

PANEL: DB

120/208 VOLT, 3 PHASE, 4 WIRE — AMP RATING: 400A — MAINS: MLO — MANUFACTURER: SQ D — TYPE: NQOD — AIC RATING: EXISTING — MOUNTING: FLUSH

REV NO.	CKT NOTE	LOAD TYPE	SERVING	KVA LOAD	WIRE HOT	WIRE NEUT	WIRE GRND	BREAKER TRIP	BREAKER POLE	CIRC. NO.	PH	CIRC. NO.	BREAKER POLE	BREAKER TRIP	WIRE GRND	WIRE NEUT	WIRE HOT	KVA LOAD	SERVING	LOAD TYPE	CKT NOTE	REV NO.
	1	L	DONUT CASE LIGHTS	0.30	12	12	12	20	1	1	A	2	1	20	12	12	12	0.18	DEL GEN PURPOSE REC	REC	1	
	9	N	D/B MEAT SLICER	0.60	12	12	12	20	1	3	B	4	2	30	10	10	10	2.12	PROOFER	K	1	
	9	N	D/B MEAT SLICER	1.20	12	12	12	20	1	5	C	6	-	-			10	2.12		K		
	1	K	DOUBLE OVEN CONTROLS	1.50	12	12	12	20	1	7	A	8	1	20	12	12	12	0.72	WRAP STAND	K	9	
	1	K	DOUBLE OVEN	0.52	12		12	20	3	9	B	10	1	20	12	12	12	1.08	CONVECTION OVEN	K	1	
		K		0.52	12			-	-	11	C	12							SHUNT TRIP			
		K		0.52	12			-	-	13	A	14	1	20	12	12	12	1.55	FRYER / ROTTERY	K	1	
	1	K	ELECTRIC ROTISSERIE	3.96	6		10	45	3	15	B	16							SHUNT TRIP			
		K		3.96	6			-	-	17	C	18	1	20	12	12	12	0.65	FRYER / ROTTERY	K	1	
		K		3.96	6			-	-	19	A	20							SHUNT TRIP			
			SHUNT TRIP							21	B	22	3	20	12		12	0.86	EF - 1	C	1	
	1	K	ELECTRIC ROTISSERIE	3.96	6		10	45	3	23	C	24	-	-			12	0.86		C		
		K		3.96	6			-	-	25	A	26	-	-			12	0.86		C		
		K		3.96	6			-	-	27	B	28	1	20	12	12	12	0.60	HOOD H-1	C	1	
			SHUNT TRIP							29	C	30	3	30	10		10	2.88	TURBO CHEF	K	1	
	1	REC	SANDWICH CASE REC	0.18	12	12	12	20	1	31	A	32	-	-			10	2.88		K		
	1	REC	SUSHI CASE RECEPTACLE	0.18	12	12	12	20	1	33	B	34	-	-			10	2.88		K		
	1	N	DELI BAKERY MICRO WAVE	0.36	12	12	12	20	1	35	C	36	1	20	12	12	12	0.78	BEVERAGE AIR REF FUTURE	N	1	
	1	REC	GENERAL PURPOSE REC	0.18	12	12	12	20	1	37	A	38	1	20	12	12	12	0.18	RICE COOKER D/B	REC	1	
	1	REC	GENERAL PURPOSE REC	0.36	12	12	12	20	1	39	B	40	1	20	12	12	12	0.18	GEN PURPOSE RECEPT	REC	1	
	1	REC	CHEESE ISLAND REC	0.54	12	12	12	20	1	41	C	42	1	20	12	12	12	0.54	WTR - 48 REF CHEESE	N	1	
	1	N	SPE - 48 REFRIG	0.60	12	12	12	20	1	43	A	44	1	20	12	12	12	0.62	662 WEIGHT WRAP CHEESE	N	1	
	5,9	K	PIZZA OVEN	3.00	6		10	35	3	45	B	46	1	20	12	12	12	0.60	HOOD H-2	C	1	
		K		3.00	6			-	-	47	C	48	3	20	12		12	0.46	EF-2 (HOOD H-2)	C	1	
		K		3.00	6			-	-	49	A	50	-	-			12	0.46		C		
			SHUNT TRIP							51	B	52	-	-			12	0.46		C		
	1	L	PIZZA HEAT LAMPS	1.50	10	10	10	20	1	53	C	54	3	35	10		6	3.00	PIZZA OVEN	K	5,9	
	1	L	PIZZA HEAT LAMPS	1.50	10	10	10	20	1	55	A	56	-	-			6	3.00		K		
	5	N	LA BREA BREAD SLICER	0.74	12	12	12	20/GFI	1	57	B	58	-	-			6	3.00		K		
	1	K	SALAD BAR SOUP	0.60	12	12	12	20	1	59	C	60							SHUNT TRIP			
	1	K	SALAD BAR SOUP	0.60	12	12	12	20	1	61	A	62	2	30	10	10	10	3.12	HOT/COLD ISL COLD SIDE	N	1	
	1	K	SALAD BAR SOUP	0.60	12	12	12	20	1	63	B	64	-	-			10	3.12		N		
	1	N	HOT / COLD ISL HOT SIDE	4.80	6		10	40	3	65	C	66	1	20	12	12	12	0.54	D/B FLY SYSTEM	REC	1	
		N		4.80	6			-	-	67	A	68	1	30	10	10	10	1.77	ORCHARD BIN	R	1	
		N		4.80	6			-	-	69	B	70	3	35	10		8	3.00	PIZZA OVEN	K	5,8	
			SPACE							71	C	72	-	-			8	3.00	-	K		
			SPACE							73	A	74	-	-			8	3.00	-	K		
			SPACE							75	B	76	-	-					SHUNT TRIP (70,72,74)			
	1	REC	ROOF RECEPTACLE	0.18	12	12	12	20	1	77	C	78	1	20	12	12	12	0.60	LTG CONTACTOR CONTROL	N	1	
	1	AC	RTU-3 (DELI / BAKERY)	5.04	6		10	50	3	79	A	80	1	20	12	12	12	0.60	LTG CONTACTOR CONTROL	N	1	
		AC	-	5.04	6			-	-	81	B	82	2	15	12	12	12	1.25	REF. REMOTE HEADER "B"	N	1	
		AC	-	5.04	6			-	-	83	C	84	-	-			12	1.25	-	N		
																			NEC KVA	105		
																			NEC AMPS	291		

SERVICE	KVA LOAD	NEC LOAD	DEMAND FACTOR
LIGHTS (L)	3.0	3.8	1.25
KITCHEN EQUIPMENT (K)	72.5	47.1	0.65
RECEPTACLES (REC)	2.7	2.7	1.00/.50
HOT WATER HEATER (HW)	0.0	0.0	1.00
AIR CONDITIONING (AC)	15.1	15.1	1.00
ELECTRIC HEAT (EH)	0.0	0.0	0.00
REFRIGERATION (R)	0.0	0.0	1.00
CONTINUOUS (C)	5.2	6.5	1.25
NON CONTINUOUS (N)	29.8	29.8	1.00
TOTAL	128.3		
NEC TOTAL DEMAND		104.9	

PANEL: G

120/208 VOLT, 3 PHASE, 4 WIRE — AMP RATING: 400A — MAINS: MLO — MANUFACTURER: SQ D — TYPE: NQOB — AIC RATING: EXISTING — MOUNTING: SURFACE

REV NO.	CKT NOTE	LOAD TYPE	SERVING	KVA LOAD	WIRE HOT	WIRE NEUT	WIRE GRND	BREAKER TRIP	BREAKER POLE	CIRC. NO.	PH	CIRC. NO.	BREAKER POLE	BREAKER TRIP	WIRE GRND	WIRE NEUT	WIRE HOT	KVA LOAD	SERVING	LOAD TYPE	CKT NOTE	REV NO.
	1	R	SYS A1 FANS (5 DRS)	1.57	8	8	8	20	1	1	A	2	2	20		EXISTING		0.70	ICE MACHINE - SYS A16	R	1	
	1	R	SYS A1 FANS (5 DRS)	1.57	8	8	8	20	1	3	B	4	-	-				0.70	-	R		
	1	R	SYS A2 FANS (5 DRS)	1.57	6	6	6	20	1	5	C	6	1	20	6	6	6	1.79	SYS A10 FANS (5 DRS)	R	1	
	1	R	SYS A2 FANS (6 DRS)	1.88	6	6	6	20	1	7	A	8	1	20	10	10	10	1.06	SYS A10 FANS (3 DRS)	R	1	
	1	R	SYS A3 FANS (3 DRS)	1.78	10	10	10	20	1	9	B	10	1	20	6	6	6	1.79	SYS A10 FANS (5 DRS)	R	1	
	1	R	SYS A4 FANS (3 DRS)	1.06	10	10	10	20	1	11	C	12	1	20	10	10	10	0.07	SYS C8 FANS	R	1	
	1	R	SYS A4 FANS (5 DRS)	1.79	6	6	6	20	1	13	A	14	1	20	12	12	12	0.29	SYS A11 FANS (3 DRS)	R	1	
	1	R	SYS A5 FANS (5 DRS)	1.79	6	6	6	20	1	15	B	16	1	20	12	12	12	0.38	SYS A12 (4 DOORS)	R	1	
	1	R	SYS A5 FANS (3 DRS)	1.06	10	10	10	20	1	17	C	18	1	20	10	10	10	0.67	SYS A13 FANS (7 DRS)	R	1	
	1	R	SYS A5 FANS (5 DRS)	1.79	6	6	6	20	1	19	A	20	1	20	10	10	10	1.10	SYS B1 DOOR ASH	R	1	
	1	R	SYS C7 FANS	0.07	10	10	10	20	1	21	B	22	1	20	10	10	10	1.10	EVAP FAN SYSTEM B8	R	1	
	1	R	SYS A6 FANS (5 DRS)	1.79	6	6	6	20	1	23	C	24	1	20		EXISTING		1.54	SYS B1 EVAPS	R	1	
	1	R	SYS A6 FANS (3 DRS)	1.06	10	10	10	30	1	25	A	26	1	20	12	12	12	1.42	SYS B2 FANS	R	1	
	1	R	SYS A6 FANS (5 DRS)	1.79	6	6	6	20	1	27	B	28	1	20	12	12	12	0.44	SYS B3 FANS	R	1	
	1	R	SYS A7 FANS (3 DRS)	1.06	10	10	10	20	1	29	C	30	1	20	12	12	12	0.57	SYS B4 FANS	R	1	
	1	R	SYS A7 FANS (5 DRS)	1.79	6	6	6	20	1	31	A	32	1	20	12	12	12	0.58	SYS B5 EVAP(S)	R	1	
	1	R	SYS A8 FANS (3 DRS)	1.06	8	8	8	20	1	33	B	34	1	20	10	10	10	1.51	SYS B6 EVAP	R	1	
	1	R	SYS A9 FANS (3 DRS)	1.06	10	10	10	20	1	35	C	36	1	20	10	10	10	1.00	SYS B6 DOOR ASH	R	1	
	1	R	SYS A9 FANS (5 DRS)	1.79	6	6	6	20	1	37	A	38	1	20					SPARE		1	
	1		SPARE					20	1	39	B	40	1	20					SPARE		1	
	1		SPARE					20	1	41	C	42	1	20					SPARE		1	
	1	R	SYS C1 FANS	0.36	12	12	12	20	1	43	A	44	1	20					SPARE		1	
	1	R	SYS C2 FANS	0.88	10	10	10	20	1	45	B	46	1	20					SPARE		1	
	1	R	SYS C3 FANS	1.58	8	8	8	20	1	47	C	48	1	20					SPARE		1	
	1	R	SYS C4 FANS	0.89	12	12	12	20	1	49	A	50	1	20					SPARE		1	
	1	R	SYS C6 FANS	0.83	12	12	12	20	1	51	B	52	2	15	12		12	0.12	SYS B9 EVAP	R	1	
	1	R	SYS C9 FANS	0.23	12	12	12	20	1	53	C	54	-	-			12	0.12	-	R		
	9	R	SYS C10 FANS	0.32	12	12	12	20	1	55	A	56	2	30	10		10	2.17	SYS B9 DEFROST	R	1	
	6		SPARE					20	1	57	B	58	-	-			10	2.17	-	R		
	1	R	SYS C12 FANS	0.48	12	12	12	20	1	59	C	60	1	20	12	12	12	1.00	SYS B9 DDOR / DRAIN HTR	R	1	
	1	R	SYS C13 FANS	0.48	12	12	12	20	1	61	A	62	1	20	12	12	12	0.38	SYS B11 FANS	R	9	
	1	R	SYS C14 FANS	0.13	12	12	12	20	1	63	B	64	1	20	8	8	8	0.83	SYS B12 FANS	R	9	
	1	R	SYS C15 FANS	0.07	12	12	12	20	1	65	C	66	1	20	10	10	10	0.84	SYS B13 FANS	R	1	
	1	R	SYS C5 FANS	0.53	12	12	12	20	1	67	A	68	1	20	12	12	12	0.19	SYS B14 FANS	R	1	
	1	R	SYS A16 DOOR /DRAIN HTRS	1.00	12	12	12	20 / 30maGFI	1	69	B	70	1	20	12	12	12	0.09	SYS B15 FANS	R	1	
	1	R	SYS A16 EVAP	1.46	12	12	12	20	1	71	C	72	1	20	12	12	12	0.39	SYS B16 FANS	R	1	
	1	R	SYS A16 EVAP	1.46	12	12	12	20	1	73	A	74	1	20	12	12	12	0.20	SYS B17 FANS	R	1	
	1	R	SYS A15 EVAP	0.62	10	10	10	20	1	75	B	76	1	20	12	12	12	0.29	SYS B18 EVAP	R	1	
	1	REC	REC. COMP ROOM.	0.36	12	12	12	20	1	77	C	78	1	20	12	12	12	1.15	SYS C16 EVAP	R	1	
	1	REC	REC - ROOF	0.40				20	1	79	A	80	1	20	12	12	12	1.15	SYS C16 EVAP	R	1	
	1	HW	HW RECIRC PUMP	1.00				30	2	81	B	82	1	20	12	12	12	2.50	SYS C17 EVAP(S)	R	1	
		HW	-	1.00				-	-	83	C	84	1	20					SPARE		1	
																			NEC KVA	72		
																			NEC AMPS	199		

SERVICE	KVA LOAD	NEC LOAD	DEMAND FACTOR
LIGHTS (L)	0.0	0.0	1.25
KITCHEN EQUIPMENT (K)	0.0	0.0	1.00
RECEPTACLES (REC)	0.8	0.8	1.00/.50
HOT WATER HEATER (HW)	2.0	2.0	1.00
AIR CONDITIONING (AC)	0.0	0.0	0.00
ELECTRIC HEAT (EH)	0.0	0.0	0.00
REFRIGERATION (R)	69.0	69.0	1.00
CONTINUOUS (C)	0.0	0.0	1.25
NON CONTINUOUS (N)	0.0	0.0	1.00
TOTAL	71.7		
NEC TOTAL DEMAND		71.7	

PANEL: H

120/208 VOLT, 3 PHASE, 4 WIRE — AMP RATING: 225A — MAINS: MLO — MANUFACTURER: SQ D — TYPE: NQOD — AIC RATING: EXISTING — MOUNTING: SURFACE

REV NO.	CKT NOTE	LOAD TYPE	SERVING	KVA LOAD	WIRE HOT	WIRE NEUT	WIRE GRND	BREAKER TRIP	BREAKER POLE	CIRC. NO.	PH	CIRC. NO.	BREAKER POLE	BREAKER TRIP	WIRE GRND	WIRE NEUT	WIRE HOT	KVA LOAD	SERVING	LOAD TYPE	CKT NOTE	REV NO.
	1	L	SYS A1 LIGHTS	0.70	10	10	10	20	1	1	A	2	1	20	10	10	10	0.78	SYS B6 DOOR LIGHTS	L	1	
	1	L	SYS A2 LIGHTS	0.81	10	10	10	20	1	3	B	4	1	20	12	12	12	0.14	SYS B11 LIGHTS	L	9	
	1	L	SYS A3 LIGHTS	0.11	12	12	12	20	1	5	C	6	1	20	10	10	10	0.50	SYS B12 LIGHTS	L	9	
	1	L	SYS A4 LIGHTS	0.17	12	12	12	20	1	7	A	8	1	20	12	12	12	0.22	SYS B13 LIGHTS	L	1	
	1	L	SYS A5 LIGHTS	0.28	12	12	12	20	1	9	B	10	1	20	12	12	12	0.13	SYS B14 LIGHTS	L	1	
	1	L	SYS C7 LIGHTS	0.14	12	12	12	20	1	11	C	12	1	20	12	12	12	0.09	SYS B15 LIGHTS	L	1	
	1	L	SYS A6 LIGHTS	0.28	12	12	12	20	1	13	A	14	1	20	12	12	12	0.09	SYS B16 LIGHTS	L	1	
	1	L	SYS A7 LIGHTS	0.17	12	12	12	20	1	15	B	16	1	20	10	10	10	0.56	SYS C1 LIGHTS	L	1	
	1	L	SYS A8 LIGHTS	0.11	12	12	12	20	1	17	C	18	1	20	12	12	12	0.35	SYS C2 LIGHTS	L	1	
	1	L	SYS A9 LIGHTS	0.17	12	12	12	20	1	19	A	20	1	20	10	10	10	0.64	SYS C3 LIGHTS	L	1	
	1	L	SYS A10 LIGHTS	0.28	12	12	12	20	1	21	B	22	1	20	12	12	12	0.35	SYS C4 LIGHTS	L	1	
	1	L	SYS C8 LIGHTS	0.14	12	12	12	20	1	23	C	24	1	20	12	12	12	0.64	SYS C6 LIGHTS	L	1	
	1	L	SYS A11 LIGHTS	0.09	12	12	12	20	1	25	A	26	1	20	12	12	12	0.35	SYS C9 LIGHTS	L	1	
	1	L	SYS A12 LIGHTS	0.12	12	12	12	20	1	27	B	28	1	20	12	12	12	0.50	SYS C10 LIGHTS	L	9	
	1	L	SYS A13 LIGHTS	..2	12	12	12	20	1	29	C	30	1	20					SPARE		6	
	1	L	SYS B1 DOOR LTS (5 DRS)	0.67	10	10	10	20	1	31	A	32	1	20	12	12	12	0.26	SYS C12 LIGHTS	L	1	
	1	L	SYS B1 DOOR LTS (5 DRS)	0.67	10	10	10	20	1	33	B	34	1	20	12	12	12	0.26	SYS C13 LIGHTS	L	1	
	1	L	SYS B2 LIGHTS 20'	1.22	12	12	12	20	1	35	C	36	1	20	12	12	12	0.19	SYS C14 LIGHTS	L	1	
	1	L	SYS B2 LIGHTS 12'	0.74	12	12	12	20	1	37	A	38	1	20	12	12	12	0.03	SYS C15 LIGHTS	L	1	
	1	L	SYS B3 LIGHTS	0.16	12	12	12	20	1	39	B	40	1	20	12	12	12	0.21	SYS C5 LIGHTS	L	1	
	1	L	SYS B4 LIGHTS	0.25	12	12	12	20	1	41	C	42	1	20					SPARE		1	
																			NEC KVA	15		
																			NEC AMPS	42		

SERVICE	KVA LOAD	NEC LOAD	DEMAND FACTOR
LIGHTS (L)	12.1	15.1	1.25
KITCHEN EQUIPMENT (K)	0.0	0.0	1.00
RECEPTACLES (REC)	0.0	0.0	1.00/.50
HOT WATER HEATER (HW)	0.0	0.0	1.00
AIR CONDITIONING (AC)	0.0	0.0	0.00
ELECTRIC HEAT (EH)	0.0	0.0	0.00
REFRIGERATION (R)	0.0	0.0	1.00
CONTINUOUS (C)	0.0	0.0	1.25
NON CONTINUOUS (N)	0.0	0.0	1.00
TOTAL	12.1		
NEC TOTAL DEMAND		15.1	

PANEL: C

120/208 VOLT, 3 PHASE, 4 WIRE — AMP RATING: 225A — MAINS: MLO — MANUFACTURER: SQ D — TYPE: NQOD — AIC RATING: EXISTING — MOUNTING: SURFACE

REV NO.	CKT NOTE	LOAD TYPE	SERVING	KVA LOAD	WIRE HOT	WIRE NEUT	WIRE GRND	BREAKER TRIP	BREAKER POLE	CIRC. NO.	PH	CIRC. NO.	BREAKER POLE	BREAKER TRIP	WIRE GRND	WIRE NEUT	WIRE HOT	KVA LOAD	SERVING	LOAD TYPE	CKT NOTE	REV NO.
	1	L	CHEESE / D/B PREP LTG.	0.69	10	10	10	20	1	1	A	2	2	20	10	10	10	0.75	SALES LIGHTING (A)	L	1	
	1	L	D/B/ PREP LTG	0.56	10	10	10	20	1	3	B	4	-	-			10	0.62	SALES LIGHTING (B)	L	1	
	1	L	PRODUCE PREP LTG	0.22	12	12	12	20	1	5	C	6	2	20	10	10	10	0.57	SALES LIGHTING (A)	L	1	
	1	L	M/SF PREP LTG	0.44	12	12	12	20	1	7	A	8	-	-			10	0.57	SALES LIGHTING (B)	L	1	
	1	L	CHECKOUT LTG (A)	0.59	10	10	10	20	1	9	B	10	2	20	10	10	10	0.53	SALES LIGHTING (A)	L	1	
	1	L	CHECKOUT LTG (B)	0.59	10			20	1	11	C	12	-	-			10	0.53	SALES LIGHTING (A)	L	1	
	1	L	VESTIBULE LIGHTING	0.15	12	12	12	20	1	13	A	14	2	20	10	10	10	0.57	SALES LIGHTING (A)	L	1	
	1	L	ACCOUNT / CUST SERV. LTS	0.15	12	12	12	20	1	15	B	16	-	-			10	0.40	SALES LIGHTING (B)	L	1	
	1	L	DAIRY / BEER COOLER LTG	0.30	12	12	12	20	1	17	C	18	2	20	10	10	10	0.53	SALES LIGHTING (A)	L	1	
	1	L	WH FRZR / M/SF COOLER	0.35	12	12	12	20	1	19	A	20	-	-			10	0.40	SALES LIGHTING (B)	L	1	
	1	L	PRODUCE COOLER LTS	0.23	12	12	12	20	1	21	B	22	2	20	10	10	10	0.48	SALES LIGHTING (A)	L	1	
	1	L	COMPRESSOR ROOM	0.70	12	12	12	20	1	23	C	24	-	-			10	0.58	SALES LIGHTING (B)	L	1	
	1		SPARE					30	1	25	A	26	2	20	10	10	10	0.57	SALES LIGHTING (A)	L	9	
	1		SPARE					30	2	27	B	28	-	-			10	0.62	SALES LIGHTING (B)	L	9	
								-	-	29	C	30	1	20					SPARE		1	
	1		SPARE					20	2	31	A	32	2	60					SPARE		1	
								-	-	33	B	34	-	-								
	1	N	LTG CONTACTOR CONTROL	0.60	12	12	12	20	1	35	C	36	1	20					SPARE		1	
	1	N	LTG CONTACTOR CONTROL	0.60	12	12	12	20	1	37	A	38	1	20					SPARE		1	
	1	N	LTG CONTACTOR CONTROL	0.60	12	12	12	20	1	39	B	40										
			SPACE							41	C	42	1	20	10	10	10	1.00	SALES AREA EM LIGHTS	L	1	
																			NEC KVA	13		
																			NEC AMPS	36		

SERVICE	KVA LOAD	NEC LOAD	DEMAND FACTOR
LIGHTS (L)	9.0	11.3	1.25
KITCHEN EQUIPMENT (K)	0.0	0.0	1.00
RECEPTACLES (REC)	0.0	0.0	1.00/.50
HOT WATER HEATER (HW)	0.0	0.0	1.00
AIR CONDITIONING (AC)	0.0	0.0	0.00
ELECTRIC HEAT (EH)	0.0	0.0	0.00
REFRIGERATION (R)	0.0	0.0	1.00
CONTINUOUS (C)	0.0	0.0	1.25
NON CONTINUOUS (N)	1.8	1.8	1.00
TOTAL	10.8		
NEC TOTAL DEMAND		13.1	

PANEL CKT NOTES:

1. EXISTING TO REMAIN.
2. CONTRACTOR SHALL DEMOLISH EXISTING CIRCUIT AND REUSE BREAKER FOR NEW CIRCUIT SHOWN.
3. CONTRACTOR SHALL DEMOLISH EXISTING CIRCUIT AND BREAKER. CONTRACTOR SHALL PROVIDE NEW BREAKER FOR CIRCUIT SHOWN. NEW BREAKER SHALL BE UL LISTED FOR USE IN EXISTING PANEL AND HAVE SAME AIC RATING AS EXISTING EQUIPMENT.
4. CONTRACTOR SHALL USE EXISTING SPARE BREAKER FOR NEW CIRCUIT SHOWN.
5. CONTRACTOR SHALL PROVIDE NEW BREAKER IN EXISTING SPACE FOR CIRCUIT SHOWN. NEW BREAKER SHALL BE UL LISTED FOR USE IN EXISTING PANEL AND HAVE SAME AIC RATING AS EXISTING EQUIPMENT.
6. CONTRACTOR SHALL DEMOLISH EXISTING CIRCUIT AND MARK BREAKER SPARE.
7. CONTRACTOR SHALL RELOCATE EXISTING CIRCUIT AND/OR RECEPTACLE TO NEW LOCATION AS SHOWN ON PLAN DRAWINGS.
8. CONTRACTOR SHALL ROUTE CIRCUIT THRU EMS CONTACTOR FOR LIGHTING CONTROL. CONTACTOR SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
9. REWORK EXISTING CIRCUIT AS SHOWN ON PLANS.
10. DEMOLISH EXISTING CIRCUIT.
11. RELABEL CIRCUIT ON PANEL SCHEDULE AS INDICATED.

NOTE: THIS DOCUMENT MAY HAVE BEEN ELECTRONICALLY TRANSMITTED. IF UNSIGNED, IT CANNOT BE FILED FOR PUBLIC RECORD. PUBLIC RECORD FILINGS REQUIRE SIGNED AND SEALED DOCUMENTS.

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PROJECT MANAGER: KNOX STACY
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REVISIONS
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SHEET NAME: PANEL SCHEDULES

ISSUE DATE: 05.18.21

SHEET NO. E4.1

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