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PANEL SFL

LOCATION: ELECTRICAL ROOM | SERVES: SALES LIGHTING | MOUNT: SURFACE
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 65,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
A	1	PROD/DELI SALES LTG <3>	1	20	1206							
A	3	PROD/DELI SALES LTG <1>	1	20	868	1076		20	1	SALES FL LTG. <1>	2	A
A	5	REAR SPEED ISLE LTG <2>	1	20		868	960	20	1	SALES FL LTG. <1>	4	A
A	7	REAR SPEED ISLE LTG <1>	1	20	960		1440	20	1	SALES FL LTG. <1>	6	A
A	9	SALES FL LTG. <1>	1	20	1440	1440		20	1	SALES FL LTG. <2>	8	A
A	11	SALES FL LTG. <2>	1	20		864	1440	20	1	FRONT SPEED ISLE LTG <1>	10	A
A	13	CHECK STAND LTG <1>	1	20	1344		864	20	1	FRONT SPEED ISLE LTG <2>	12	A
A	15	CHECK STAND LTG <2>	1	20	1348	1344		20	1	SALES FL LTG. <1>	14	A
A	17	SALES FL LTG. <1>	1	20		1440	1440	20	1	SALES FL LTG. <1>	16	A
A	19	SALES FL LTG. <2>	1	20	1440		429	20	1	MT/SF SOFFIT & SIGNAGE TRACK <4>	18	A
A	21	VESTIBULE LTG <4>	1	20		261				SPACE ONLY	20	
A	23	VESTIBULE LTG <4>	1	20			232				22	
A	25	PRODUCE TRACK LTG <3>	1	20	1292		544	20	1	BAKERY SALES LTG <2>	24	A
	27	SPACE ONLY			636			20	1	BAKERY SALES LTG <1>	26	A
	29					360		20	1	BAKERY, DELI & RX SIGNAGE <4>	28	A
	31						981	20	1	WALL WASH LTG. (FRONT) <2>	30	A
	33				981			20	1	WALL WASH LTG. (FRONT) <1>	32	A
	35					549		20	1	DELI SVC. COUNTER/MENU LTG <2>	34	A
	37						495	20	1	VESTIBULE ACCENT LTG <4>	36	A
	39				1044			20	1	FAN F-3 & FAN F-7 <2>	38	E
	41									SPACE ONLY	40	
	43										42	
	45										44	
	47										46	
	49										48	
	51										50	
	53										52	
											54	

CONNECTED VA: 12569 | 8202 | 8825 — DEMAND FACTOR: 1.24
TOTAL CONNECTED VA: 29588 AMPS: 82 — TOTAL DEMAND AMPS: 102

<1> VIA 20 POLE CONTACTOR 'SFL1' PER (2) SQ.'D' #LXG 1000 OR (2) SIEMENS #CLM1B10 CONTROL TYPE: EMS

<2> VIA 10 POLE CONTACTOR 'SFL2' PER SQ.'D' #LXG 1000 OR SIEMENS #CLM1B10 CONTROL TYPE: EMS

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	28542	1.25	35677
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	0	1.00	0
D	KITCHEN	0	1.00	0
E	MISC. EQUIPMENT	1044	1.00	1044
F	RECPTS (1st 10 KW)	0	1.00	0
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	29586	1.24	36721

<3> VIA 2 POLE CONTACTOR 'SFL3' PER SQ.'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

<4> VIA 6 POLE CONTACTOR 'SFL4' PER SQ.'D' #LXG 60 OR SIEMENS #CLM1B06 CONTROL TYPE: EMS

ALL BREAKERS TO BE "SWD" RATED

PANEL A

LOCATION: PASSAGE 'B' | SERVES: FREEZER / COOLER | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 10,000 A | PANEL TYPE: NQOD | MAIN BREAKER: 100 A | BUS: 100 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
C	1	DAIRY CASE 36 C <1>	1	20	249							
C	3	DAIRY CASE 37 C <1>	1	20	561	249		15	1	C 3 DOOR ICE CASE 34 <1>	2	C
C	5	DAIRY CASE 38 C <1>	1	20		1248	328	20	2	DF	4	-
C	7	DAIRY CASE 39 C <1>	1	20	328		1248	-	-	DF	6	-
C	9	DAIRY CASE 40 C <1>	1	20	863	328		20	1	C 5 DOOR ICE CREAM 25 <1>	8	C
C	11	DAIRY CASE 41 C <1>	1	20		2080	328	30	2	DF	10	-
C	13	DAIRY CASE 42 C <1>	1	20	328		2080	-	-	DF	12	-
C	15	DAIRY CASE 43 C <1>	1	20	863	328		20	1	C 5 DOOR ICE CREAM 26 <1>	14	C
C	17	REAR LOAD DAIRY 44 C <1>	1	20		2080	328	30	2	DF	16	-
C	19	REAR LOAD DAIRY 45 C <1>	1	20	328		2080	-	-	DF	18	-
C	21	REAR LOAD DAIRY 46 C <1>	1	20	713	328		20	1	C 4 DOOR ICE CREAM 27 <1>	20	C
C	23	FROZEN FOOD CASE 28 C <1>	1	20		1664	863	25	2	DF	22	-
C1	25	DF	2	30	2080		1664	-	-	DF	24	-
-	27		-	-	1633	2080		20	2	DF CHICKEN COOLER 59	26	C1
C	29	FROZEN FOOD CASE 29 C <1>	1	20		1633	863	-	-		28	-
C1	31	DF	2	30	2080		128	20	1	C <1>	30	C
-	33		-	-	304	2080		20	1	C FRZN FOOD/IC FRZR 47ab <1>	32	C
C1	35	MEAT COOLER 60ab DF	2	30		520	2434	50	2	DF	34	C2
-	37		-	-	2434		520	-	-		36	-
C	39	C <1>	1	20	104	236		20	2	DF DAIRY COOLER 48	38	C
F	41	CASE RECEPTACLE	1	20		104	180	-	-	DF	40	-
C	43	MEAT CASE 49 C <1>	1	20	328		372	20	1	C <1>	42	C
C	45	MEAT CASE 50 C <1>	1	20	328	249		20	1	C BEV CASE 30 <1>	44	C
C	47	MEAT CASE 51 C <1>	1	20		328	328	20	1	C BEV CASE 31 <1>	46	C
C	49	MEAT CASE 52 C <1>	1	20	328		328	20	1	C BEV CASE 32 <1>	48	C
C	51	MEAT CASE 53 C <1>	1	20	328	285		20	1	C BEV CASE 33 <1>	50	C
C	53	MEAT CASE 54 C <1>	1	20			285	20	1		52	
								20	1		54	

CONNECTED VA: 14180 | 15819 | 14357 — DEMAND FACTOR: 0.63
TOTAL CONNECTED VA: 44356 AMPS: 123 — TOTAL DEMAND AMPS: 78

<1> PROGRAMMED LIGHTING CONTROL VIA DIXELL CASE CONTROLLER

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	0	1.25	0
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	26683	1.00	26683
C1	NON-COINCIDENTAL	18463	-	-
C2	CLR/FRZR FANS (CYCLED)	1040	1.00	1040
D	KITCHEN	0	1.00	0
E	MISC. EQUIPMENT	0	1.00	0
F	RECPTS (1st 10 KW)	180	1.00	180
	(Remaining Recpt.s)	0	0.60	0
	TOTAL DEMAND VA:	44356	0.63	27903

<2> VIA 8 POLE CONTACTOR 'A1' PER SQ. 'D' #LXG 60 OR SIEMENS #CLM1B06 CONTROL TYPE: EMS

<3> VIA 2 POLE CONTACTOR 'A2' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

<4> VIA 2 POLE CONTACTOR 'A3' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

PANEL B

LOCATION: PASSAGE 'B' | SERVES: FREEZER / COOLERS | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 10,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 100 A | BUS: 100 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
C	1	FRZN FOOD CASE 8 C <1>	1	20	853							
C1	3	DF	2	30	180	2080		20	1	CASE RECEPT.	2	F
-	5	DF	-	-		863	2080	20	1	C FRZN FOOD CASE 9 <1>	4	C
C1	7	FRZN FOOD CASE 22 DF	2	30	2080		2080	30	2	DF	6	C1
-	9	DF	-	-	2080	2080		-	-	DF	8	-
C	11	C <1>	1	20		863	863	20	1	C FRZN FOOD CASE 21 <1>	10	C
C	13	FRZN FOOD CASE 10 C <1>	1	20	853		2111	30	2	DF	12	C1
C1	15	DF	2	30	2111	2080		-	-	DF	14	-
-	17	DF	-	-		863	2080	20	1	C FRZN FOOD CASE 11 <1>	16	C
C	19	FRZN FOOD CASE 20 C <1>	1	20	863		2080	30	2	DF	18	C1
C1	21	DF	2	30	2080	2080		-	-	DF	20	-
-	23	DF	-	-		863	2080	20	1	C FRZN FOOD CASE 19 <1>	22	C
C1	25	FRZN FOOD CASE 13 DF	2	30	1664		2080	30	2	DF	24	C1
-	27	DF	-	-	2080	1664		-	-	DF	26	-
C	29	C <1>	1	20		930	713	20	1	CASE RECEPT.	28	F
C	31	FRZN FOOD CASE 17 C <1>	1	20	713					SPACE ONLY	30	
C1	33	DF	2	30	863	1664		20	1	C FRZN FOOD CASE 18 <1>	32	C
-	35	DF	-	-		2080	1664	30	2	DF	34	C1
C1	37	FRZN FOOD CASE 12 DF <1>	2	30	2080		2080	-	-	DF	36	-
-	39	DF	-	-	260	2080		25	2	DF MEAT FREEZER 58	38	C2
C	41	C	1	20		260	764	-	-	DF	40	-
							146	15	1	C <1>	42	C

CONNECTED VA: 18781 | 20451 | 20822 — DEMAND FACTOR: 0.20
TOTAL CONNECTED VA: 60064 AMPS: 167 — TOTAL DEMAND AMPS: 33

<1> PROGRAMMED LIGHTING CONTROL VIA DIXELL CASE CONTROLLER

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	0	1.25	0
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	10106	1.00	10106
C1	NON-COINCIDENTAL	48318	-	-
C2	CLR/FRZR FANS (CYCLED)	520	1.00	520
D	KITCHEN	0	1.00	0
E	MISC. EQUIPMENT	0	1.00	0
F	RECPTS (1st 10 KW)	1110	1.00	1110
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	60064	0.20	11736

PANEL C

LOCATION: PASSAGE 'B' | SERVES: FREEZER / COOLERS | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 10,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 100 A | BUS: 100 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
C	1	FRZN MEAT CASE 1 C <1>	1	20	613							
C1	3	DF	2	30	2080	1664		30	2	DF FRZN FOOD CASE 4	2	C1
-	5	DF	-	-		2080	1664	-	-	DF	4	-
C1	7	FRZN MEAT CASE 2 DF	2	30	2080		763	20	1	C <1>	6	C
-	9	DF	-	-	753	2080		20	1	C FRZN FOOD CASE 5 <1>	8	C
C	11	C <1>	1	20		2080	763	30	2	DF	10	C1
C	13	FRZN FOOD CASE 3 C <1>	1	20	1100		2080	-	-	DF	12	-
C1	15	DF	2	30	2080	2111		30	2	DF FRZN FOOD CASE 6	14	C1
-	17	DF	-	-		2080	2111	-	-	DF	16	-
C	19	FRZN FOOD CASE 7 C <1>	1	20	763		763	20	1	C <1>	18	C
C1	21	DF	2	30	360	2080		20	1	CASE RECEPT.	20	F
-	23	DF	-	-		253	2080	20	1	C FRZN BUNKER CASE 14 <1>	22	C
C	25	ICE CREAM CASE 24 C <1>	1	20	763		1799	25	2	DF	24	C
C1	27	DF	2	30	1799	2080		-	-	DF	26	-
-	29	DF	-	-		253	2080	20	1	C FRZN BUNKER CASE 16 <1>	28	C
C1	31	ICE CREAM CASE 23 DF	2	30	2080		1799	30	2	DF	30	C
-	33	DF	-	-	1799	2080		-	-	DF	32	-
C	35	C <1>	1	20		905	763	20	2	DF FRZN BUNKER END 15	34	C
C	37	ORZ END CASE 35 DF	2	20	1248		905	-	-	DF	36	-
C	39	DF	-	-	196	1248		20	1	C <1>	38	C
C	41	C <1>	1	20		180	461	20	1	CASE RECEPT.	40	F
										SPACE ONLY	42	

CONNECTED VA: 17725 | 21174 | 18032 — DEMAND FACTOR: 0.36
TOTAL CONNECTED VA: 56932 AMPS: 158 — TOTAL DEMAND AMPS: 56

<1> PROGRAMMED LIGHTING CONTROL VIA DIXELL CASE CONTROLLER

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	0	1.25	0
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	19721	1.00	19721
C1	NON-COINCIDENTAL	36670	-	-
C2	CLR/FRZR FANS (CYCLED)	0	1.00	0
D	KITCHEN	0	1.00	0
E	MISC. EQUIPMENT	540	1.00	540
F	RECPTS (1st 10 KW)	0	1.00	0
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	56932	0.36	20261

PANEL D

LOCATION: ELECTRICAL ROOM | SERVES: PROD. GRID & REAR | MOUNT: SURFACE
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 65,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
F	1	RRM RECEPT./BUG TRAP	1	20	540							
E	3	FLOOR SCRUBBER	1	20	2268	600		25	1	PRODUCE REFRIG CASE (FLX)	2	F
E	5	FLOOR SCRUBBER	1	20		2268	600	25	1	PRODUCE REFRIG CASE (FLX)	4	F
E	7	GEN. HEATER JACKET	1	20	1000		2268	25	1	PRODUCE REFRIG CASE (FLX)	6	F
F	9	EDF	1	20	2268	480		25	1	PRODUCE REFRIG CASE (FLX)	8	F
E	11	COMPACTOR ODOR FAN	1	20		2268	360	25	1	PRODUCE REFRIG CASE (FLX)	10	F
	13	SPACE ONLY					2268	25	1	PRODUCE REFRIG CASE (FLX)	12	F
	15				3696			60	3	BALER 10 HP(2300HD)	14	E
	17					3696		-	-		16	-
F	19	REAR RESTROOM AUTOMATIC FAUCETS	1	20	360		3696	-	-		18	-
E	21	DOMESTIC HOTBOX <G>	1	20	180	180		20	1	PRODUCE CONV. RECEPT.	20	F
E	23	DOCK LEVELER #2 <2>	1	20		180	1285	20	1	ROOF TOP RECEPT.	22	F
	25	SPACE ONLY					530	20	1	PUMP MOTOR CTR RM	24	E
	27				4500			50	3	RADIANT HTR CONTOLS(RH-1) <1>	26	B
	29					4500		-	-	<1>	28	-
	31						4500	-	-	<1>	30	-
	33				2132			25	2	DOM WATER PUMP	32	E
	35					2132		-	-		34	-
	37									SPACE ONLY	36	
	39										38	
	41										40	
											42	

CONNECTED VA: 16944 | 18304 | 15507 — DEMAND FACTOR: [illegible]
TOTAL CONNECTED VA: 48755 AMPS: 135 — TOTAL DEMAND AMPS: [illegible]

<G> INDICATES GFI BREAKER REQUIRED

<2> VIA 2 POLE CONTACTOR 'D2' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	0	1.25	0
B	AIR CONDITIONING	13500	1.00	13500
C	REFRIGERATION	0	1.00	0
D	KITCHEN	0	0.65	0
E	MISC. EQUIPMENT	19907	1.00	[illegible]
F	RECPTS (1st 10 KW)	[illegible]	1.00	[illegible]
	(Remaining Recpt.s)	[illegible]	0.50	[illegible]
	TOTAL DEMAND VA:	48755	[illegible]	[illegible]

<1> VIA 3 POLE CONTACTOR 'D1' PER SQ. 'D' #[illegible] OR SIEMENS #LEN01E003

PANEL E

LOCATION: ELECTRICAL ROOM | SERVES: STANDBY | MOUNT: SURFACE
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 35,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND & I.G. BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
E	1	DOCK LEVERLER #1 <1>	1	20	1285							
	3	SPACE ONLY			3595			60	3	COMPACTOR (10HP)	2	E
E	5	BAKERY APMG/FLORAL SCALE	1	20		3696	240	-	-		4	-
E	7	DELI PPS	1	20	900		3695	-	-		6	-
F	9	PROD/GROC/MEAT MGR WORKSTATION	1	20	790	180		20	2	TRUCK PIT PUMP	8	E
E	11	GROCERY RECEIVING DSD	1	20		790	360	-	-		10	-
E	13	LIFT STACKER STATION	1	20	200		1175	15	2	COMMANDER WRAPPER (848)	12	D
E	15	COMM 'B' - HUB CABINET	1	20	1175	800		-	-		14	-
E	17	DELI SCALES	1	20		120	396	20	1	TIME CLOCK(BKRY AND REAR)	16	E
E	19	DELI SCALES	1	20	264		120	20	1	SEAFOOD/PRODUCE SCALES <G>	18	E
E	21	FIRE RISER COMPRESSOR (1HP)	1	20	150	1840		20	1	EMS 'A'	20	E
E	23	AUTO DRAIN VALVE	1	20		180	180	20	1	SURGE SUPPRESSOR RECEPT.	22	E
E	25	CM1	1	20	600		600	20	1	CM4	24	E
E	27	CM2	1	20		600		40	3	SURGE SUPPRESSOR	26	E
E	29	CM3	1	20			600	-	-		28	-
E	31	EMS 'C'	1	20	50			-	-		30	-
	33	SPACE ONLY			135			20	1	DELI 'M' SCALE <G>	32	E
	35									SPACE ONLY	34	
	37										36	
	39				8555			100	3	PANEL 'EA'	38	
	41					7245		-	-		40	
							8296	-	-		42	

CONNECTED VA: 17901 | 15451 | 15663 — DEMAND FACTOR: 1.00
TOTAL CONNECTED VA: 49015 AMPS: 136 — TOTAL DEMAND AMPS: 137

PROVIDE & INSTALL I.G. BUS IN ADDITION TO EQUIP. GROUND BUS

<G> INDICATES GFI BREAKER REQUIRED

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	750	1.25	938
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	0	1.00	0
D	KITCHEN	2360	1.00	2360
E	MISC. EQUIPMENT	37996	1.00	37996
F	RECPTS (1st 10 KW)	7920	1.00	7920
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	49015	1.00	49203

<1> VIA 2 POLE CONTACTOR 'E1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

PANEL EA

LOCATION: EMPLOYEE LOUNGE | SERVES: STANDBY | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 10,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND & I.G. BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
E	1	CHECK OUT #1 TERMINAL	1	15	360							
E	3	CHECK OUT #2 TERMINAL	1	15	360	360		15	1	CHECKOUT #4 TERMINAL	2	E
E	5	CHECK OUT #3 TERMINAL	1	15		180	360	15	1	SELF-CHECKOUT #5A TERMINAL	4	E
E	7	CHECK OUT #7 TERMINAL	1	15	360		180	15	1	SELF-CHECKOUT #5B TERMINAL	6	E
E	9	CHECK OUT #8 TERMINAL	1	15	360	360		15	1	CHECK OUT #10 TERMINAL	8	E
E	11	CHECK OUT #9 TERMINAL	1	15			360			SPACE ONLY	10	
E	13	SELF-CHECKOUT #6A TERMINAL	1	15	180		180	20	1	SURGE SUPPRESSOR RECEPT.	12	E
E	15	SELF-CHECKOUT #6B TERMINAL	1	15	180	180		20	1	FRONT DSD RECEPT	14	F
E	17	SELF-CHECKOUT RAP TERMINAL	1	15		180	180	20	1	EMPLOYMENT KIOSK	16	E
E	19	ATM	1	20	360		540	20	1	CUST. SERVICE RECEPTS.	18	F
	21	SPACE ONLY			720			20	1	CUST. SERVICE RECEPTS.	20	F
	23					720		20	1	CUST. SERVICE RECEPTS.	22	F
	25						540	20	1	TRAINING ROOM RECEPTACLES	24	F
	27				360			20	1	CPU, MONITOR (CASH RM.)	26	E
	29					360		20	1	PRINTER	28	E
E	31	SURGE SUPPRESSOR (TVSS)	3	40			180	20	1	STORE MGR RECEPT.	30	F
-	33		-	-	180			20	1	STORE MGR RECEPT.	32	F
-	35		-	-						SPACE ONLY	34	
	37	PANEL 'EB'	3	60	5236						36	
	39		-	-		4905					38	
	41		-	-			5776				40	
											42	

CONNECTED VA: 8666 | 7245 | 8296 — DEMAND FACTOR: 1.01
TOTAL CONNECTED VA: 24197 AMPS: 67 — TOTAL DEMAND AMPS: 68

PROVIDE & INSTALL I.G. BUS IN ADDITION TO EQUIP. GROUND BUS

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	750	1.25	938
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	0	1.00	0
D	KITCHEN	0	1.00	0
E	MISC. EQUIPMENT	15707	1.00	15707
F	RECPTS (1st 10 KW)	7740	1.00	7740
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	24197	1.01	24385

PANEL EB

LOCATION: EMPLOYEE LOUNGE | SERVES: STANDBY | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 10,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND & I.G. BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
E	1	GEN. OFFICE COMPUTER RACK	1	20	360							
E	3	GEN. OFFICE COMPUTER RACK	1	20	60	360		20	1	TIME CLOCK	2	E
F	5	GEN. OFFICE MONITORS & CCTV RECEPT.	1	20		180	540	20	1	"ESS" RECEPTACLE	4	F
E	7	GEN. OFFICE COMPUTER RACK	1	30	2430		180	20	1	"ESS" RECEPTACLE	6	F
E	9	GEN. OFFICE COMPUTER RACK	1	30	50	2430		20	1	EMS 'B'	8	E
F	11	PHARMACY RECEPTACLES	1	20		360	1260	20	1	TELECOMMUNICATIONS	10	E
F	13	PHARMACY RECEPTACLES	1	20	360		360	20	1	TELECOMMUNICATIONS	12	E
F	15	PHARMACY RECEPTACLES	1	20	76	720		20	1	ATM 'PRESTO' SIGN	14	E
F	17	PHARMACY RECEPTACLES	1	20		75	900	20	1	CONTACTOR EB-1 CONTROL	16	E
E	19	PHARMACY REFRIGERATOR	1	20	720		2246	30	1	TELECOMMUNICATIONS	18	E
E	21	PHARMACY REFRIGERATOR	1	20	180	720		20	1	BURGLAR ALARM POWER SUPPLY <+>	20	E
A	23	GENERAL ATM LIGHTING <1>	1	20		60	110	20	1	RX FILL SCALE	22	E
A	25	UNDER CANOPY LTG <1>	1	20	640		180	20	1	PHARMACY RECEPTACLE	24	F
	27	SPACE ONLY			360			20	1	PHARMACY RECEPTACLE	26	F
	29									SPACE ONLY	28	
	31										30	
	33										32	
	35										34	
	37										36	
	39										38	
	41										40	
											42	

CONNECTED VA: 5238 | 4906 | 5776 — DEMAND FACTOR: [illegible]
TOTAL CONNECTED VA: 15917 AMPS: 44 — TOTAL DEMAND AMPS: [illegible]

PROVIDE & INSTALL I.G. BUS IN ADDITION TO EQUIP. GROUND BUS

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	750	1.25	938
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	0	1.00	[illegible]
D	KITCHEN	0	1.00	[illegible]
E	MISC. EQUIPMENT	10487	1.00	[illegible]
F	RECPTS (1st 10 KW)	4680	1.00	[illegible]
	(Remaining Recpt.s)	0	0.50	[illegible]
	TOTAL DEMAND VA:	15917	1.01	16105

<1> VIA 8 POLE CONTACTOR 'EB1' PER SQ. 'D' #[illegible] OR SIEMENS #LEN01B006 FOR CANOPY LIGHTING USE CONTROL TYPE: PHOTO CELL ONLY

PANEL EM

LOCATION: ELECTRICAL ROOM | SERVES: LIFE SAFETY | MOUNT: SURFACE
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 35,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
A	1	SALES FLOOR LIGHTING <2>	1	20	768							
A	3	SALES FLOOR LIGHTING <2>	1	20	378	768		[illegible]	[illegible]	PROD/DELI SALES LTG <2>	2	A
A	5	SALES FLOOR LIGHTING <2>	1	20		1386	[illegible]	[illegible]	1	CHECK STAND LTG <2>	4	A
A	7	SALES FLOOR LIGHTING <2>	1	20	1485		360	[illegible]	[illegible]	FIRE ALARM CABINET	[illegible]	[illegible]
A	9	DELI/BKRY LIGHTING	1	20	180	179		[illegible]	[illegible]	FIRE ALARM PS RECEPT.	8	E
A	11	DELI/BKRY LIGHTING	1	20		180	152	20	[illegible]	FIRE ALARM PS RECEPT.	10	E
A	13	MECHANICAL CENTER LIGHTING	1	20	448					SPACE ONLY	12	
A	15	RR STOR.,MEAT,SEAFD,PROD.LTG	1	20	108	203		20	1	DOOR LIGHTING	14	A
A	17	RR STOR.,MEAT,SEAFD,PROD.LTG	1	20		42	411	20	1	LIGHTING	16	A
A	19	FT. OFF.,LOUNGE,PHARM LTG	1	20	415					SPACE ONLY	18	
	21	SPACE ONLY									20	
	23										22	
	25										24	
	27		1								26	
	29										28	
	31										30	
	33										32	
	35										34	
	37										36	
	39										38	
	41										40	
											42	

CONNECTED VA: 3782 | 2758 | 2310 — DEMAND FACTOR: 1.23
TOTAL CONNECTED VA: 8851 AMPS: 25 — TOTAL DEMAND AMPS: 30

NOTE: [illegible] BREAKERS IN PANEL [illegible] TO BE 'SWD' RATED AND [illegible]

<+> PROVIDE LOCKABLE BREAKER W/ HANDLE [illegible] RED.

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	8131	1.25	10163
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	0	1.00	0
D	KITCHEN	0	1.00	0
E	MISC. EQUIPMENT	720	1.00	720
F	RECPTS (1st 10 KW)	0	1.00	0
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	8851	1.23	10683

<1> VIA 2 POLE CONTACTOR 'EM1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

<2> VIA 8 POLE CONTACTOR 'EM2' PER SQ.'D' #LXG 60 OR SIEMENS #CLM1B06 (SEE DETAIL 15, DWG. E-10)

PANEL F

LOCATION: PASSAGE 'A' | SERVES: PRODUCE / STORAGE | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 22,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
	1	SPACE ONLY										
A	3	REC./STORAGE LTG	1	20	720	1052		20	1	PROD.MISTER/CASE TOP REC.	2	F
A	5	REC./STORAGE LTG	1	20		360	1344	20	1	PRODUCE RECEPT	4	F
A	7	PRODUCE LTG <2>	1	20	721		720	20	1	PRODUCE WRAPPER (S112AHP)	6	D
A	9	MEAT.SEAFOOD LTG <3>	1	20	720	544		20	1	SEAFOOD WRAPPER <G>	8	D
A	11	DOCK LTG	1	20		1320	433	20	3	MEATROOM LG GRINDER(BIRO MINI-32)	10	D
A	13	EXTERIOR LTG <1>	1	20	815		1320	-	-		12	-
D	15	SEAFOOD STEAMER (NE3280)	2	30	1320	1600		-	-		14	-
-	17		-	-		1273	1600	20	3	MEAT SAW #1 (BIRO 3334 HH)	16	D
E	19	SEAFOOD ICE M/C (F801MAH) <G>	1	20	1460		1273	-	-		18	-
F	21	CASE TOP RECEPT.	1	20	1273	180		-	-		20	-
E	23	SPACE HEATER (SH-1)	2	30		1000	2000	20	1	RICE STEAMER	22	D
-	25		-	-	2000		1000	20	1	RICE STEAMER	24	D
	27	SPACE ONLY			620			20	1	BIZZERBA TENDERIZER (S111) <G>	26	D
D	29	SM MEAT GRINDER (UNIVEX MG22)	2	20		400	815	20	1	MEAT RM SLICER(909/919) <G>	28	D
D	31		-	-	815		720	20	1	MEAT RM WRAPPER (S112AHP) <G>	30	D
D	33	MEAT SAW #2 (BIRO 3334HH)	3	20	1200	1273		20	1	MEAT RM WRAP STATION (862) <G>	32	D
-	35		-	-		225	1273	20	1	MEAT RM KNIFE SHARPENER <G>	34	D
-	37		-	-	1273		360	20	1	MEAT ROOM RECEPT.	36	F
	39	SPACE ONLY			180			20	1	SEAFOOD RECEPT.	38	D
	41									SPACE ONLY	40	
										SPACE ONLY	42	

CONNECTED VA: 13119 | 9227 | 12859 — DEMAND FACTOR: 0.80
TOTAL CONNECTED VA: 35205 AMPS: 98 — TOTAL DEMAND AMPS: 79

<G> INDICATES GFI BREAKER REQUIRED

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	4910	1.25	6138
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	0	1.00	0
D	KITCHEN	23215	0.65	15090
E	MISC. EQUIPMENT	5460	1.00	5460
F	RECPTS (1st 10 KW)	1620	1.00	1620
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	35205	0.80	28307

<1> VIA 2 POLE CONTACTOR 'F1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

<2> VIA 2 POLE CONTACTOR 'F2' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

<3> VIA 2 POLE CONTACTOR 'F3' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

PANEL H

LOCATION: PASSAGE 'A' | SERVES: GONDOLA SALES | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 14,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 100 A | BUS: 100 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
F	1	GONDOLA RECEPTACLE	1	20	540							
F	3	GONDOLA RECEPTACLE	1	20	540	540		20	1	GONDOLA RECEPTACLE	2	F
F	5	GONDOLA RECEPTACLE	1	20		540	360	20	1	GONDOLA RECEPTACLE	4	F
A	7	GONDOLA LTG <1>	1	20	1200		540	20	1	GONDOLA RECEPTACLE	6	F
A	9	GONDOLA LTG & APRON'S DISP LTG <1>	1	20	600	1320		20	1	COFFEE GRINDER	8	E
A	11	GONDOLA LTG <1>	1	20		1142	1200	20	2	APRON'S DISPLAY CASE	10	C
	13	SPACE ONLY					1142	-	-		12	-
A	15	APRON'S LTS <2>	1	20	1200	105		20	1	GONDOLA LTG <1>	14	A
D	17	APRON'S REFRIGERATOR	1	20		1200	400	20	1	GONDOLA LTG <1>	16	A
D	19	APRON'S MICRO/CONV OVEN <2>	1	20	900		1200	20	1	GONDOLA LTG <1>	18	A
F	21	APRON'S RECEPTACLE <G><2>	1	20	2070	180		30	1	SELF-CONTAINED S26-30SC CASE	20	C
F	23	APRON'S RECEPTACLE <G><2>	1	20			180			SPACE ONLY	22	
	25	SPACE ONLY									24	
	27										26	
	29										28	
	31										30	
	33										32	
	35										34	
	37										36	
	39										38	
	41										40	
											42	

CONNECTED VA: 7060 | 5027 | 5022 — DEMAND FACTOR: 1.10
TOTAL CONNECTED VA: 17099 AMPS: 47 — TOTAL DEMAND AMPS: 52

<G> INDICATES GFI BREAKER REQUIRED

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	7425	1.25	9281
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	4354	1.00	4354
D	KITCHEN	1300	0.90	1170
E	MISC. EQUIPMENT	600	1.00	600
F	RECPTS (1st 10 KW)	3420	1.00	3420
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	17099	1.10	18825

<1> VIA 6 POLE CONTACTOR 'H1' PER SQ. 'D' #LXG 60 OR SIEMENS #CLM1B06 CONTROL TYPE: EMS

<2> VIA 4 POLE CONTACTOR 'H2' PER SQ. 'D' #LXG 40 OR SIEMENS #CLM1B04 CONTROL TYPE: EMS

PANEL J

LOCATION: PASSAGE 'A' | SERVES: COOLERS/CASES | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 14,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 100 A | BUS: 100 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
C	1	LOW MEAT FULL SERV 67 C <1>	1	20	268							
C	3	FROZEN SEAFOOD 83 C <1>	1	20	236	551		20	1	C PRODUCE COOLER B 74 <1>	2	C
C	5	DF	2	30		416	1248	20	2	DF	4	-
-	7	DF	-	-	1248		416	-	-	DF	[illegible]	[illegible]
C	9	MEAT CASES 55 C <1>	1	20	168	285		20	1	C PRODUCE COOLER A 73 <1>	[illegible]	[illegible]
C	11	MEAT CASE 56 C <1>	1	20		104	285	20	2	DF	10	-
	13		1	20			104	-	-	DF	12	-
C	15	MEAT ROOM COIL 61,62 C <1>	2	20	669	416		20	1	C SEAFOOD SERV DOME (TOP) 64 <1>	[illegible]	C
-	17	C <1>	-	-		141	416	20	1	C 4' SUSHI CASE 68 <1>	[illegible]	C
C	19	C	1	20	100		208	20	1	C SEA [illegible] SERV (BOTTOM) [illegible] <1>	[illegible]	[illegible]
C	21	SEAFOOD PREP COIL 68 C	1	20	222	100		20	1	C LOW PRODUCE CASE 69 <1>	[illegible]	[illegible]
C	23	DF	2	20		328	260	20	1	C 6 DOOR PRODUCE CASE 70 <1>	22	[illegible]
-	25	DF	-	-	260		328	20	1	C 6 DOOR JUICE CASE 71 <1>	24	[illegible]
C	27	SEAFOOD COOLER 67 C <1>	1	20	328	36		20	1	C 6 DOOR JUICE CASE 72 <1>	26	[illegible]
C	29	DF	2	20		328	104	20	1	C 6 DOOR MIST PRODUCE 75 <1>	28	[illegible]
-	31	DF	-	-	104		328	20	1	C 6 DOOR MIST PRODUCE 76 <1>	30	C
	33				328			20	1	6 DOOR PRODUCE	[illegible]	C
	35					249		20	1	4 DOOR PRODUCE	[illegible]	C
	37						328	20	1	6 DOOR PRODUCE	36	C
	39										38	
	41										40	C
											42	

CONNECTED VA: [illegible] — DEMAND FACTOR: 1.00
TOTAL CONNECTED VA: 10919 AMPS: [illegible] — TOTAL DEMAND AMPS: 30

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	0	1.25	0
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	10919	1.00	10919
C1	NON-COINCIDENTAL	[illegible]	-	-
D	KITCHEN	0	0.65	0
E	MISC. EQUIPMENT	0	1.00	0
F	RECPTS (1st 10 KW)	0	1.00	0
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	10919	1.00	10919

<1> PROGRAMMED LIGHTING CONTROL VIA DIXELL CASE CONTROLLER

<2> VIA 4 POLE CONTACTOR 'J1' PER SQ. 'D' #LXG 40 OR SIEMENS #CLM1B04 CONTROL TYPE: EMS

<3> VIA 4 POLE CONTACTOR 'J2' PER SQ. 'D' #LXG 40 OR SIEMENS #CLM1B04 CONTROL TYPE: EMS

PANEL K

LOCATION: BAKERY | SERVES: COOLERS/CASES | MOUNT: [illegible]
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 10,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 100 A | BUS: 100 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
C	[illegible]	[illegible] CASE 90 [illegible]	[illegible]	[illegible]	[illegible]							
C	3	DELI [illegible] 89 [illegible] <1>	[illegible]	[illegible]	[illegible]	820		20	1	C DELI COOLER(UNPREP) 91 <1>	2	C
C	5	DELI GNG [illegible] 88 [illegible]	1	[illegible]		104	582	20	2	F	4	-
C	7	COLD BAR 86 C [illegible]	1	20	[illegible]		104	-	-	F	6	-
C	9	DELI ISLAND [illegible] C [illegible]	1	20	[illegible]	202		20	2	F DELI COOLER(PREP) 92	8	C
C	11	DELI ISLAND CASE [illegible]	1	20		104	302	-	-	F	10	-
C	13	DELI ISLAND CASE [illegible]	1	20	302		168	20	1	C <1>	12	-
C	15	SERV DELI CASE 83b [illegible]	1	20	104	422		20	2	F BAKERY COOLER 95	14	C
C	17	SERV DELI CASE 83a C [illegible]	1	20		104	422	-	-	F	16	-
C	19	SPACE ONLY					136	20	1	C <1>	18	-
C	21	FRZN BAKERY 98 C <1>	1	20		561				SPACE ONLY	20	
-	23	DF	2	20		360	1248	20	1	DELI CASE RECEPTS.	22	F
-	25	DF	-	-	1248		442	20	1	C HV74RSS DESSERT 97 <1>	24	C
C	27	FLORAL CASE 99 <1>	1	20		317				SPACE ONLY	26	
C	29	SPACE ONLY	1	20		381		20	1	C COLD SAND PREP CASE 81b <1>	28	C
C	31		1	20			381	20	1	C COLD SAND PREP CASE 81a <1>	30	C
F	33	DELI CASE RECEPTS.	1	20	303	360		20	1	C CHEF SELECTION 80 <1>	32	D
C	35	BAKERY FRZR 96 C <1>	1	20		346	168	20	1	C WRAP FLORAL CASE 100 <1>	34	C
-	37	DF	2	20	1633			20	1	SPACE ONLY	36	
-	39		-	-		1633					38	
C	41	BKRY / DELI FRZR 93 C <1>	1	20			168				40	
-	43	DF	2	20	1633						42	
-	45		-	-		1633					44	
	47	SPACE ONLY									46	
	49										48	
	51										50	
	53										52	
											54	

CONNECTED VA: 6772 | 7346 | 4120 — DEMAND FACTOR: 0.99
TOTAL CONNECTED VA: 18238 AMPS: 51 — TOTAL DEMAND AMPS: 50

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	0	1.25	0
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	17215	1.00	17215
C1	NON-COINCIDENTAL	0	-	-
D	KITCHEN	303	0.65	197
E	MISC. EQUIPMENT	0	1.00	0
F	RECPTS (1st 10 KW)	720	1.00	720
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	18238	0.99	18132

<1> PROGRAMMED LIGHTING CONTROL VIA DIXELL CASE CONTROLLER

<2> VIA 8 POLE CONTACTOR 'K1' PER SQ. 'D' #LXG 60 OR SIEMENS #CLM1B06 CONTROL TYPE: EMS

PANEL L

LOCATION: DELI CORR. | SERVES: DELI HOOD | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 35,000 A | PANEL TYPE: NQOD | MAIN BREAKER: 400 A | BUS: 400 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS | 120 VOLT SHUNT TRIP

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
D	1	DELI FRYER (GEF-720)	3	80	6960							
-	3		-	-	6960	6960		80	3	DELI FRYER (GEF-720)	2	D
-	5		-	-		6960	6960	-	-		4	-
D	7	ALTO SHAAM CTP-7 COMBITHERM	3	70	6400		6960	-	-		6	-
-	9		-	-	3564	6400		40	3	ROTISSERIE (BKI VGG-16-C)	8	D
-	11		-	-		3564	6400	-	-		10	-
D	13	ROTISSERIE (BKI VGG-16-C)	3	40	3564		3564	-	-		12	-
-	15		-	-		3564				SPACE ONLY	14	
-	17		-	-			3564				16	
D	19	ALTO SHAAM CTP-7 COMBITHERM	3	70	6400						18	
-	21		-	-		6400					20	
-	23		-	-			6400				22	
D	25	ALTO-SHAAM HEAT & HOLD (1200-TH)	2	40	3000						24	
-	27		-	-	895	3000		20	1	MELINK & SHUNT TRIP CTL POWER <+>	26	E
	29	SPACE ONLY								SPACE ONLY	28	
	31										30	
	33				4107			45	3	DELI DISH DRYER (CL 44e)	32	D
	35					4107		-	-		34	-
D	37	DELI DISH WASHER-RINSE HTR (CL 44e)	3	60	5403		4107	-	-		36	-
-	39		-	-	10068	5403		90	3	DELI DISH WASHER MOTOR/TANK (CL 44e)	38	D
-	41		-	-		10068	5403	-	-		40	-
							10068	-	-		42	-

CONNECTED VA: 57322 | 56426 | 53426 — DEMAND FACTOR: 0.65
TOTAL CONNECTED VA: 167174 AMPS: 464 — TOTAL DEMAND AMPS: 303

<+> PROVIDE LOCKABLE BREAKER

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	0	1.25	0
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	0	1.00	0
D	KITCHEN	166278	0.65	108081
E	MISC. EQUIPMENT	896	1.00	896
F	RECPTS (1st 10 KW)	0	1.00	0
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	167174	0.65	108977

PANEL M

LOCATION: DELI CORR | SERVES: DELI | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 22,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
A	1	DELI LIGHTING <1>	1	20	538							
A	3	DELI LIGHTING & FAN F-8 (1/4 HP) <1>	1	20	60	1206		15	1	BREAD DISPLAY <1>	2	A
E	5	MAU-1 (1 HP MOTOR)	3	20		840	552	20	3	FAN F-1 & F-2 (1 HP & 1/2 HP MOTOR)	4	E
-	7		-	-	552		840	-	-		6	-
-	9		-	-	840	552		-	-		8	-
D	11	HOT SERVICE (GHSS461H.5716)	1	15		180	872	20	1	DELI RECEPT.	10	F
	13	SPACE ONLY					1680	20	1	2DR REFRIG. (360-10486)	12	C
D	15	DELI HOT SIDES (DP8HP60)	2	30	1512	2361		20	1	SOUP POTS	14	D
-	17		-	-			2361			SPACE ONLY	16	
D	19	DELI HOT SELF CASE (GHSS461H) (CIRCUIT 1)	2	30	1800						18	
-	21		-	-	1680	1800		20	1	2DR REFRIG. (360-10486)	20	C
-	23	(CIRCUIT 2)	1	15		720	137	20	1	WRAPPER (625A)	22	D
F	25	DELI RECEPTS.	1	20	540		420	20	1	SLICER (BIZZERBA)	24	D
D	27	WRAPPER (625A)	1	20	540	720		20	1	DELI RECEPT.	26	F
D	29	SLICER (BIZZERBA)	1	20		180	420	20	1	SYRUP RACK RECEPT.	28	F
D	31	WARMING UNIT (FWM34-22)	2	15	600		60	20	1	DELI PPS PRINTER	30	E
-	33		-	-	1800	600		20	1	PEANUT BUTTER M/C (PN-1)	32	D
D	35	SVC. CNTR SLICER (BIZZERBA)	1	20			420			SPACE ONLY	34	
D	37	SVC. CNTR SLICER (BIZZERBA)	1	20	420						36	
D	39	SVC. CNTR SLICER (BIZZERBA)	1	20		420					38	
D	41	POPCORN M/C (2001ST)	1	30		360	1920	20	1	DRINK VISI	40	E
D	43	HOT GRAB-n-GO (CG3921WD)	1	20	1790		1320	20	1	ICE M/C MC425AHS	42	C
D	45	REFRIG. SELF SVC. (HMO3936R.5392)	1	20	1665	1213		20	2	DELI BLAST CHILLER (BC-18-PUB)	44	D
D	47	TURBOCHEF BULLET OVEN	2	30		1665	2995	-	-		46	-
-	49		-	-	2995					SPACE ONLY	48	
D	51	TURBOCHEF BULLET OVEN	2	30		2995					50	
-	53		-	-			2995				52	
											54	

CONNECTED VA: 17432 | 15812 | 16992 — DEMAND FACTOR: 0.75
TOTAL CONNECTED VA: 50236 AMPS: 140 — TOTAL DEMAND AMPS: 104

<G> INDICATES GFI BREAKER REQUIRED

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	1904	1.25	2380
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	4680	1.00	4680
D	KITCHEN	37616	0.65	24450
E	MISC. EQUIPMENT	4596	1.00	4596
F	RECPTS (1st 10 KW)	1440	1.00	1440
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	50236	0.75	37546

<1> VIA 4 POLE CONTACTOR 'M1' PER SQ. 'D' #LXG 40 OR SIEMENS #CLM1B04 CONTROL TYPE: EMS

PANEL N

LOCATION: BAKERY | SERVES: BAKERY | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 10,000 A | PANEL TYPE: NQOD | MAIN BREAKER: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS | FEED THRU LUGS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
F	1	KOPYKAKE/COMPR/CRK POT	1	20	1780							
D	3	20 QUART MIXER (HL200)	2	15	360	[illegible]		20	1	BKRY RECEPT.	2	F
-	5		-	-		360	[illegible]	20	1	BKRY RECEPT.	4	F
F	7	BKRY RECEPT[illegible]	1	[illegible]	[illegible]					SPACE ONLY	6	
D	9	BKRY MBL [illegible] (360-10484)	[illegible]	20	[illegible]	1800		[illegible]	1	BKRY DISP'S (GHSEH452R)(GHSEH352D)	8	D
F	11	FRONT REST RE[illegible]	1	20		840	[illegible]	[illegible]	1	VARIETY SLICER(777-N)	10	D
F	13	ELEC. CART	1	20	360		1550	[illegible]	[illegible]	SEASONAL REFRIG. CASE (O3UMA)	12	F
F	15	ELEC. CART/BUG ZAP	[illegible]	20	1550	420		[illegible]	[illegible]	SEASONAL REFRIG. CASE (O3UMA)	14	F
F	17	BAKERY APMG PRINTER	[illegible]	20		[illegible]	360	[illegible]	1	7-QUART WARMER	16	D
D	19	POWER SOA[illegible]	[illegible]	[illegible]	3210		540	20	1	BKRY/DELI OFFICE RECEPTS. <1>	18	F
-	21		-	[illegible]	[illegible]	[illegible]		20	1	ROOF TOP RECEPT.	20	F
-	23		-			75	3210	20	1	FRONT REST AUTO FAUCETS	22	F
	[illegible]	SPACE ONLY								SPACE ONLY	24	
	[illegible]										26	
	29										28	
	31										30	
	33										32	
	35										34	
	[illegible]										36	
	[illegible]										38	
	[illegible]										40	
											42	

CONNECTED VA: 9343 | 8200 | 6695 — DEMAND FACTOR: 0.77
TOTAL CONNECTED VA: 24238 AMPS: 67 — TOTAL DEMAND AMPS: 52

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	0	1.25	0
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	0	1.00	0
D	KITCHEN	15803	0.65	10272
E	MISC. EQUIPMENT	0	1.00	0
F	RECPTS (1st 10 KW)	8435	1.00	8435
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	24238	0.77	18707

<1> VIA 2 POLE CONTACTOR 'N1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

PANEL P

LOCATION: BAKERY | SERVES: BAKERY | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 10,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
D	1	PROOF BOX (LBC LRP1-70)	2	40	2500							
-	3		-	-		2500				SPACE ONLY	2	
D	5	BKRY RACK OVEN (LRO-2G4-N-70)	3	20		342	600	20	1	BAKERY LIGHTING <1>	4	A
-	7		-	-	600		76	20	1	BKRY LTG (SCULLERY&FAN F-5) <1>	6	A
-	9		-	-		600				SPACE ONLY	8	E
E	11	RK OVEN CTRL(HBA2G)/FANS F-4 F-6	1	20		144	1477	20	1	RESTROOM LIGHTING	10	A
D	13	BKRY SPRL MXR (KMPR SP-60)	3	30	2844		540	20	1	BKRY RCPT / FLTR WTR TANK RCPT	12	F
-	15		-	-	1200	2844		20	3	BKRY 60QT HOBART MIXER (HL600)	14	D
-	17		-	-		1200	2844	-	-		16	-
D	19	BAKERY ROUNDER (ERIKA 1.1K)	3	20	370		1200	-	-		18	-
-	21		-	-	1124	370		20	1	BKRY SHEETER (ANETSMOR6S)	20	D
-	23		-	-		2049	370	30	2	94 BAKERY WATER CHILLER (PMC 60)	22	D
D	25	BAKERY AUTO TWIST TIE	1	20	1000		2049	-	-		24	-
D	27	BKRY SLICER (OLIVER 777)	1	20		840				SPACE ONLY	26	
D	29	BKRY SLICER (OLIVER 777)	1	20			840				28	
D	31	BKRY STM KTTL (CLEV. KET-3-T)	2	30	2050						30	
-	33		-	-		2050					32	
E	35	REF PIZZA CASE (HMO2865)	1	20			1536				34	
E	37	BAGEL & BREAD CASES <1>	1	20	336						36	
	39	SPACE ONLY									38	
	41										40	
											42	

CONNECTED VA: 12024 | 12939 | 11532 — DEMAND FACTOR: 0.70
TOTAL CONNECTED VA: 36495 AMPS: 101 — TOTAL DEMAND AMPS: 71

<G> INDICATES GFI BREAKER REQUIRED

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	562	1.25	703
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	0	1.00	0
D	KITCHEN	32044	0.65	20828
E	MISC. EQUIPMENT	3349	1.00	3349
F	RECPTS (1st 10 KW)	540	1.00	540
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	36495	0.70	25420

<1> VIA 2 POLE CONTACTOR 'P1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

PANEL Q

LOCATION: EMPLOYEE LOUNGE | SERVES: STORE FRONT | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 10,000 A | PANEL TYPE: NQOD | MAIN BREAKER: 225 A | BUS: 225 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS | FEED THRU LUGS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
E	1	CHECKOUT #1 MOTOR	1	15	660							
E	3	CHECKOUT #2 MOTOR	1	15	660	660		15	1	SELF-CHECKOUT #4 RECEPTACLE	2	E
E	5	CHECKOUT #3 MOTOR	1	15			660			SPACE ONLY	4	
E	7	CHECKOUT #7 MOTOR	1	15	660						6	
E	9	CHECKOUT #8 MOTOR	1	15	660	660		15	1	CHECKOUT #10 MOTOR	8	E
E	11	CHECKOUT #9 MOTOR	1	15		180	650	15	1	SELF-CHECKOUT RAP STATION	10	F
A	13	LOUNGE LTG <1>	1	20	118		960	20	1	CUST SVC RECEPT.	12	F
A	15	PHARMACY & DRIVE-THRU LIGHTING <1>	1	20	300	495		20	1	CUST SVC SIGNAGE LTG <2>	14	A
F	17	CHECKOUT #1 RECEPT.	1	15		180	180	20	1	BP MACHINE	16	F
F	19	CHECKOUT #2 RECEPT.	1	15	180		180	15	1	CHECKOUT #4 RECEPTACLE	18	F
F	21	CHECKOUT #3 RECEPT.	1	15	180	180		15	1	SELF-CHECKOUT #5A RECEPTACLE	20	F
F	23	CHECKOUT #7 RECEPT	1	15		180	180	15	1	SELF-CHECKOUT #5B RECEPTACLE	22	F
F	25	CHECKOUT #8 RECEPT.	1	15	180		180	15	1	CHECKOUT #10 RECEPT	24	F
F	27	CHECKOUT #9 RECEPT.	1	15	1680	180		20	1	MICROWAVE(NE-1021) <3>	26	E
F	29	GEN. OFFICE RECEPTACLES <3>	1	20		360	720	20	1	LOUNGE RECEPTS <3>	28	F
F	31	GEN. OFFICE RECEPTACLES <3>	1	20	720		1080	20	1	TRAINING RM RECEPTS. <3>	30	F
F	33	ST. MGR/CASH RM. RECEPTS. <3>	1	20	48	360		20	1	TRAINING/GEN OFF LTGS	32	A
F	35	ST. MGR/CASH RM. RECEPTS. <3>	1	20		540	360	20	1	ROOF TOP RECEPT.	34	F
F	37	ST. MGR/CASH RM. RECEPTS. <3>	1	20	540		1200	20	1	PHARMACY SHREDDER	36	E
F	39	PHARMACY PLUGMOLD <3>	1	20	180	1530		15	1	SELF-CHECKOUT #6A RECEPTACLE	38	F
F	41	PHARMACY PLUGMOLD <3>	1	20		180	1530	15	1	SELF-CHECKOUT #6B RECEPTACLE	40	F
	43	SPACE ONLY								SPACE ONLY	42	
	45										44	
	47										46	
	49										48	
	51										50	
	53										52	
											54	

CONNECTED VA: 6766 | 5685 | 7890 — 0.98
TOTAL CONNECTED VA: 20341 AMPS: 57 — TOTAL DEMAND AMPS: 55

<G> INDICATES GFI BREAKER REQUIRED

<3> VIA 2 POLE CONTACTOR 'Q3' PER SQ. 'D' #LXG 1000 OR SIEMENS #CLM1B10 CONTROL TYPE: EMS

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	981	1.25	1201
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	0	1.00	0
D	KITCHEN	0	1.00	0
E	MISC. EQUIPMENT	8160	1.00	8160
F	RECPTS (1st 10 KW)	10000	1.00	10000
	(Remaining Recpt.s)	1220	0.50	610
	TOTAL DEMAND VA:	20341	0.98	19971

<1> VIA 2 POLE CONTACTOR 'Q1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

<2> VIA 2 POLE CONTACTOR 'Q2' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

PANEL R

LOCATION: PASSAGE 'B' | SERVES: GONDOLA SALES | MOUNT: FLUSH
PNL VOLTAGE: 120/208, 3P, 4W | PNL AIC (RMS): 10,000 A | PANEL TYPE: NQOD | MAIN LUG ONLY: 100 A | BUS: 100 A
BOLT- IN BREAKERS | FULL SOLID NEUTRAL BUS | GROUND BUS

LT	CKT NO	EQUIPMENT SERVED	BKR P	BKR TRIP	A	B	C	BKR TRIP	BKR P	EQUIPMENT SERVED	CKT NO	LT
F	1	GONDOLA RECEPTACLE	1	20	360							
F	3	GONDOLA RECEPTACLE	1	20	720	360		20	1	BUG ZAP	2	F
F	5	GONDOLA RECEPTACLE	1	20		540	720	20	1	MEAT/DAIRY OFF. RECEPT. <2>	4	F
A	7	GONDOLA LIGHTING <1>	1	20	1200		1800	20	1	CHILLED WINE CASE (B427WN)	6	C
A	9	GONDOLA LIGHTING <1>	1	20	1603	1200		20	1	S. CONCEPTS (HMO5142.5721)	8	C
F	11	CASE RECEPTCLES	1	20			720			SPACE ONLY	10	
	13	SPACE ONLY									12	
	15										14	
	17										16	
	19										18	
	21										20	
	23										22	
	25										24	
	27										26	
	29										28	
	31										30	
	33										32	
	35										34	
	37										36	
	39										38	
	41										40	
											42	

CONNECTED VA: 3883 | 2100 | 3240 — DEMAND FACTOR: 1.07
TOTAL CONNECTED VA: 9223 AMPS: 26 — TOTAL DEMAND AMPS: 27

	LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A	LIGHTING	2400	1.25	3000
B	AIR CONDITIONING	0	1.00	0
C	REFRIGERATION	3403	1.00	3403
D	KITCHEN	0	1.00	0
E	MISC. EQUIPMENT	0	1.00	0
F	RECPTS (1st 10 KW)	3420	1.00	3420
	(Remaining Recpt.s)	0	0.50	0
	TOTAL DEMAND VA:	9223	1.07	9823

<1> VIA 2 POLE CONTACTOR 'R1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

<2> VIA 2 POLE CONTACTOR 'R2' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

NOTE:

1. ALL CIRCUIT BREAKERS TO BE ARRANGED AS INDICATED ON PANEL SCHEDULE. ANY DEVIATION MUST BE APPROVED BY THE ENGINEER.
2. IF SERIES RATING IS APPLIED, THE SERIES RATING COMBINATION INTERRUPTING RATING SHALL BE MARKED ON THE RESPECTIVE PANELBOARD PER NFPA 70, 240-86.
3. ALL PANELBOARD BUSSING, NEUTRAL/GROUND BUSSES TO BE COPPER. BRANCH MOUNTED MAIN CIRCUIT BREAKER IS NOT ALLOWED.
4. ALL LIGHTING CIRCUIT BREAKERS TO BE HID OR SWD RATED AS APPLICATION REQUIRES.
5. CONTRACTOR TO PROVIDE BREAKER HANDLE TIES FOR ALL CIRCUITS UTILIZING SHARED NEUTRAL TO COMPLY WITH NFPA 70 SECTION 210.4.
6. GROUP MOUNTING OF MULTIPLE CONTACTORS IN A SINGLE ENCLOSURE IS NOT ALLOWED.

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25 AUG 2017

REVISION DATA:

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PLATT SPRINGS RD & HWY 6
LEXINGTON, LEXINGTON, SC

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PANEL SCHEDULES

SCALE: NONE

E-16