PANEL E

LOCATION: ELECTRICAL... SERVES: EMER MOUNT: SURFACE | PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 42,000 A PANEL TYPE: NQOD MLO 225 A BUS: 225 A | BOLT-IN BREAKERS FULL SOLID NEUTRAL BUS GROUND BUS & I.G. BUS

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A		B		C		TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	E	1	FLORAL SCALE	1	20	60	150					20	1	EMS 'A'	2	E	
G	E	3	WORK STATION	1	20			540							4		
	E	5	BAKERY SCALES	1	20					396	360	20	1	DEPT OFF WORK	6	E	
		7					3408								8		
G	E	9	DELI ISLAND SCALES	1	20			660	3408			40	3	ELEVATOR	10	E	
G	E	11	DELI PREP SCALES	1	20					264	3408				12		
	E	13	EMS 'C'	1	20	50	5544					20	2	E MISC....	14		
1	E	15	DOCK LEVERLER #1	1	20			1285	5544						16		
		17								3696	180	20	1	AUTO DRAIN VALVE	18	E	
	E	19	COMPACTOR (10HP)	3	60	3696	1840					20	1	FIRE RISER COMPRE	20	E	
		21						3696							22		
	E	23	LIFT STACKER...	1	20					200					24		
	E	25	COMM 'B' - HUB CAB	1	20	800									26		
	E	27	GROCERY RECEIV...	1	20			360							28		
		29								60					30		
	E	31	SURGE PROTECTION	3	40	60									32		
		33						60							34		
+	E	35	SURGE ALARM	1	20					150					36		
		37				8350									38		
		39	PANEL EA	3	80			9363							40		
		41								9025					42		
			CONNECTED VA:			23958 VA		24916 VA		17739 VA				DEMAND FACTOR: 1.01			

TOTAL CONNECTED VA: 66613 VA AMPS: 185 A TOTAL DEMAND... 187 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	2332 VA	125.00%	2915 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	66613 VA
C REFRIGERATION	0 VA	0.00%	0 VA	Total Est. Demand:	67196 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	185 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	187 A
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	
E MISC. EQUIPMENT	54716 VA	100.00%	54716 VA	Total Demand Current:	187 A
F RECEPTACLE	9565 VA	100.00%	9565 VA		

PROVIDE & INSTALL I.G. BUS IN ADDITION TO EQUIP. GROUND BUS
<1> VIA 2 POLE CONTACTOR 'E1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS
<G> INDICATES GFI BREAKER REQUIRED
<+> PROVIDE LOCKABLE BREAKER W/ HANDLE PAINTED RED.

** CONTRACTOR TO PROVIDE BREAKER HANDLE TIES FOR ALL CIRCUITS UTILIZING SHARED NEUTRAL TO COMPLY WITH NFPA 70 SECTION 210.4

PANEL EA

LOCATION: ELECTRICAL... SERVES: CHECKOUT MOUNT: SURFACE | PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 10,000 A PANEL TYPE: NQOD MLO 225 A BUS: 225 A | BOLT-IN BREAKERS FULL SOLID NEUTRAL BUS GROUND BUS & I.G. BUS

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A		B		C		TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	E	1	CHECK OUT #1 TER	1	15	360	76					20	1	ATM "PRESTO" SIGN	2		
	E	3	CHECK OUT #2 TER	1	15			360	180			20	1	RX RECEPT PRINTS	4	F	
	E	5	CHECK OUT #3 TER	1	15					360	180	20	1	RX RECEPT SCALE	6	F	
	E	7	CHECK OUT #4 TER	1	15	360	900					20	1	RX REFRIGERATOR	8	E	
	E	9	CHECK OUT #5 TER	1	15			360	720			20	1	RX REFRIGERATOR	10	E	
	E	11	CHECK OUT #6 TER	1	15					360	180	20	1	RX CLINIC UPS	12	F	
	E	13	SELF-CHECK #7 TER	1	15	180	180					20	1	RX CLINIC (PRINTER)	14	F	
	E	15	SELF-CHECK #8 TER	1	15			180	180			20	1	WINE COMPUTER	16	E	
	E	17	SELF-CHECK #9 TER	1	15					180	2430	30	1	GEN. OFF COMP...	18	E	
	E	19	SELF-CHECK #10 TER	1	15	180	2430					30	1	GEN. OFF COMP...	20	E	
	E	21	SELF-CHECK #11 TER	1	15			180	360			20	1	GEN. OFF COMP...	22	E	
	E	23	CHECK OUT #12 TER	1	15					360	360	20	1	GEN. OFF COMP...	24	E	
	E	25	CHECK OUT #13 TER	1	15	360	180					20	1	STORE MGR RECEPT.	26	F	
	E	27	ATT CHECK STATION	1	15			180	180			20	1	STORE MGR RECEPT.	28	F	
	F	29	CUST. SERV...	1	20					720	360	20	1	TRAINING RECEPTS	30	F	
	F	31	CUST. SERV...	1	20	720	360					20	1	GEN. OFFICE...	32	F	
	F	33	CUST. SERV...	1	20			720	60			20	1	TIME CLOCK	34	F	
	F	35	RX RECEPT UPS	1	20					900	75	20	1	CONT EA-1 CONTROL	36	E	
		37	CASH RM...	1	20	540	180					20	1	FRONT DSD...	38		
	F	39	RX RECEPT UPS	1	20			540	180			20	1	EMPLOYMENT	40		
	F	41	RX RECEPT PRINTER	1	20					540	60				42		
	E	43	EMS 'B'	1	20	100	60					40	3	SURGE PROTECTION	44	E	
	E	45	TELECOMM	1	30			2246	60						46		
	E	47	TELECOMM	1	20					360	360	20	1	FIRE ALARM CABINET	48	E	+
	E	49	TELECOMM	1	20	360	824								50		
	F	51	TELECOMM RECEPT	1	20			180	2497			60	3	PANEL EB	52		
+	E	53	BURGLAR ALARM	1	20					180	1060				54		
			CONNECTED VA:			8350 VA		9363 VA		9025 VA				DEMAND FACTOR: 1.02			

TOTAL CONNECTED VA: 26738 VA AMPS: 74 A TOTAL DEMAND... 76 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	2332 VA	125.00%	2915 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	26738 VA
C REFRIGERATION	0 VA	0.00%	0 VA	Total Est. Demand:	27321 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	74 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	76 A
D KITCHEN	0 VA	0.00%	0 VA	NC Load:	
E MISC. EQUIPMENT	15021 VA	100.00%	15021 VA	Total Demand Current:	76 A
F RECEPTACLE	9385 VA	100.00%	9385 VA		

<+> PROVIDE LOCKABLE BREAKER W/ HANDLE PAINTED RED.

** CONTRACTOR TO PROVIDE BREAKER HANDLE TIES FOR ALL CIRCUITS UTILIZING SHARED EB NEUTRAL TO COMPLY WITH NFPA 70 SECTION 210.4

PANEL EB

LOCATION: ELECTRICAL... SERVES: FRONT OFFICE MOUNT: SURFACE | PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 10,000 A PANEL TYPE: NQOD MLO 225 A BUS: 225 A | BOLT-IN BREAKERS FULL SOLID NEUTRAL BUS GROUND BUS & I.G. BUS

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A		B		C		TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	A	1	LOUNGE WORK...	1	20	360									2		
	E	3	EVENT PLANNING...	1	20			360							4		
	E	5	TIME CLOCKS	1	20					600					6		
	E	7	ELEV RECEPT	1	20	180									8		
	F	9	ELEV SUMP PUMP	1	20			385							10		
	A	11	ELEVATOR CAR LTG	1	20					100					12		
1	A	13	GENERAL ATM LTG	1	20	104									14		
1	A	15	UNDER CANOPY LTG	1	20			1110							16		
	E	17	ATM	1	20					360					18		
+	E	19	SURGE ALARM	1	20	180									20		
		21	UNDER CANOPY LTG	1	20			642							22		
		23													24		
		25													26		
		27													28		
		29													30		
		31													32		
		33													34		
		35													36		
		37													38		
		39													40		
		41													42		
			CONNECTED VA:			824 VA		2497 VA		1060 VA				DEMAND FACTOR: 1.13			

TOTAL CONNECTED VA: 4381 VA AMPS: 12 A TOTAL DEMAND... 14 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	2256 VA	125.00%	2820 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	4381 VA
C REFRIGERATION	0 VA	0.00%	0 VA	Total Est. Demand:	4945 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	12 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	14 A
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	
E MISC. EQUIPMENT	1560 VA	100.00%	1560 VA	Total Demand Current:	14 A
F RECEPTACLE	565 VA	100.00%	565 VA		

<+> PROVIDE LOCKABLE BREAKER W/ HANDLE PAINTED RED.
<1> VIA 4 POLE CONTRACTOR 'EB1' PER SQ. 'D' #LG40 OR SIEMENS #LEN01B004 FOR CANOPY LIGHTING USE CONTROL TYPE: PHOTO CELL ONLY

** CONTRACTOR TO PROVIDE BREAKER HANDLE TIES FOR ALL CIRCUITS UTILIZING SHARED EA NEUTRAL TO COMPLY WITH NFPA 70 SECTION 210.4

PANEL Q

LOCATION: ELECTRICAL... SERVES: CHECKOUT MOUNT: SURFACE | PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 10,000A PANEL TYPE: NQOD MLO 225 A BUS: 225 A | BOLT-IN BREAKERS FULL SOLID NEUTRAL BUS GROUND BUS

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A		B		C		TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	E	1	CHECKOUT #1 MTR	1	15	660	180					15	1	ATT CHECK OUT	2	F	
	E	3	CHECKOUT #2 MTR	1	15			660	747			20	1	DRINK REFRIG CASE	4	C	
	E	5	CHECKOUT #3 MTR	1	15					660	1200	20	1	ELEC. OPER DR. RT	6	E	
	E	7	CHECKOUT #4 MTR	1	15	660	1080					20	1	RX PLUGMOLD	8	F	
	E	9	CHECKOUT #5 MTR	1	15			660	540			20	1	RX PLUGMOLD	10	F	
	E	11	CHECKOUT #6 MTR	1	15					660	540	20	1	RX PLUGMOLD	12	F	
	E	13	CHECKOUT #12 MTR	1	15	660	540					20	1	CLINIC RECEPTS	14	F	
	E	15	CHECKOUT #13 MTR	1	15			660	540			20	1	ROOF TOP RECEPT.	16	F	
	F	17	CHECKOUT #1 RCP	1	15					180	1291	20	1	ELEC. CART	18		
	F	19	CHECKOUT #2 RCP	1	15	180	1548					20	1	ELEC. CART/BUG ZAP	20	F	
	F	21	CHECKOUT #3 RCP	1	15			180	360			20	1	OUTSIDE RECEPTS	22	F	
	F	23	CHECKOUT #4 RCP	1	15					180	1000	20	1	LOTTO (I.T.V.M.)	24	E	
	F	25	CHECKOUT #5 RCP	1	15	180	900					20	1	MONEY MACHINE	26	E	
	F	27	CHECKOUT #6 RCP	1	15			180	1000			20	1	WATER VENDING M/C	28	E	G
	F	29	SELF-CHECK #7 RCP	1	15					180	1000	20	1	COPY M/C	30	E	
	F	31	SELF-CHECK #8 RCP	1	15	180	1200					20	1	ELEC. OPER DR. LF	32	E	
	F	33	SELF-CHECK #9 RCP	1	15			180	480			20	1	EDF RECEPT.	34	E	
	F	35	SELF-CHECK #10 RCP	1	15					180	1000	20	1	DVD KIOSK (REDBOX)	36	E	
	F	37	SELF-CHECK #11 RCP	1	15	180	75					20	1	AED CABINET	38	E	
	F	39	CHECKOUT #12 RCP	1	15			180	540			20	1	RESTROOM...	40	F	
	F	41	CHECKOUT #13 RCP	1	15					180	125	20	1	REST RM FAUCETS	42	F	
	A	43	OFFICE MEZZ LTG	1	20	10	180					20	1	PHAR SHREDDER	44	F	
	F	45	SEASONAL REFG	1	20			1550	900			20	1	RX PLUGMOLD	46	F	
1	A	47	PHARMACY LTG	1	20					564	360	20	1	RX PLUGMOLD	48	F	G
	A	49	RESTROOM LTG	1	20	314	300					20	1	[illegible]	50	E	
	F	51	BUG ZAPPER	1	20			516							52		
	F	53	SEASONAL REFG	1	20					1550					54		
			CONNECTED VA:			9027 VA		9873 VA		10850 VA				DEMAND FACTOR: 1.01			

TOTAL CONNECTED VA: 29750 VA AMPS: 83 A TOTAL DEMAND... 83 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	888[illegible]	125.00%	[illegible]10 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	29750 VA
C REFRIGERATION	747 VA	100.00%	747 VA	Total Est. Demand:	29972 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	[illegible]	Total Conn. Current:	83 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	[illegible]	[illegible]	Total Est. Demand Current:	83 A
D KITCHEN	0 VA	[illegible]	[illegible]	NC Load:	
E MISC. EQUIPMENT	13435 VA	[illegible]	1343[illegible]	Total Demand Current:	83 A
F RECEPTACLE	14680 VA	[illegible]	14680 [illegible]		

<G> GFCI TYPE B[illegible]ER
<1> VIA 2 POLE CO[illegible]TOR 'Q1' PER SQ. 'D' #LXG 20 OR SI[illegible]#CLM1B02 CONTROL TYPE: EMS

** [illegible]NTRACTOR TO PROVI[illegible]AKER HANDLE TIES FOR ALL [illegible]RCUITS UT[illegible]ING SHARED NEUTRAL TO COMPLY WITH NFPA 70 SECTION 210.4

PANEL S

LOCATION: ELECTRICAL... SERVES: CANOPY LTG MOUNT: SURFACE | PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 10,000 A PANEL TYPE: NQOD MLO 225 A BUS: 225 A | BOLT-IN BREAKERS FULL SOLID NEUTRAL BUS GROUND BUS

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A		B		C		TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
2	A	1	UNDER CANOPY LTG	1	20	495	650					20	1	EXT STORE SIGNAGE	2	A	1
2	A	3	UNDER CANOPY LTG	1	20			441							4		
		5													6		
		7													8		
		9													10		
		11													12		
		13													14		
		15													16		
		17													18		
		19													20		
		21													22		
		23													24		
		25													26		
		27													28		
		29													30		
		31													32		
		33													34		
		35													36		
		37													38		
		39													40		
		41													42		
			CONNECTED VA:			1145 VA		441 VA		0 VA				DEMAND FACTOR: 1.25			

TOTAL CONNECTED VA: 1586 VA AMPS: 4 A TOTAL DEMAND... 6 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	1586 VA	125.00%	1983 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	1586 VA
C REFRIGERATION	0 VA	0.00%	0 VA	Total Est. Demand:	1983 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	4 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	6 A
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	
E MISC. EQUIPMENT	0 VA	0.00%	0 VA	Total Demand Current:	6 A
F RECEPTACLE	0 VA	0.00%	0 VA		

<1> VIA 2 POLE CONTACTOR 'S1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS
<2> VIA 6 POLE CONTACTOR 'S2' PER SQ. 'D' #LXG 60 OR SIEMENS #CLM1B06 CONTROL TYPE: EMS

PANEL R

LOCATION: ELECTRICAL... SERVES: FRONT OFFICE MOUNT: SURFACE | PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 10,000A PANEL TYPE: NQOD MLO 225 A BUS: 225 A | BOLT-IN BREAKERS FULL SOLID NEUTRAL BUS GROUND BUS

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A		B		C		TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
1	E	1	MICROWAVE(NE-10...	1	20	1680									2		
1	F	3	LOUNGE RECEPTS	1	20			720							4		
	F	5	STORE MGR RECEPT.	1	20					540					6		
	F	7	SEATING RM...	1	20	1260									8		
	F	9	SEATING RM...	1	20			1080							10		
	F	11	REST RM FAUCETS	1	20					50					12		
	F	13	RESTROOM...	1	20	360									14		
	E	15	EDF RECEPT.	1	20			480							16		
	F	17	TRAINING RECEPTS	1	20					900					18		
	F	19	GEN. OFFICE...	1	20	720									20		
	F	21	GEN. OFFICE...	1	20			540							22		
	F	23	CASH OFF RECEPTS	1	20					900					24		
		25													26		
		27													28		
		29													30		
		31													32		
		33													34		
		35													36		
		37													38		
		39													40		
		41													42		
			CONNECTED VA:			4020 VA		2820 VA		2390 VA				DEMAND FACTOR: [illegible]			

TOTAL CONNECTED VA: 9230 VA AMPS: 26 A TOTAL DEMAND... [illegible]

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	0 VA	0.00%	[illegible]		
B AIR CONDITIONING	0 VA	0.00%	[illegible]	Total Conn. Load:	9230 VA
C REFRIGERATION	0 VA	0.00%	[illegible]	Total Est. Demand:	9230 VA
C1 NON-COINCIDENTAL	0 VA	[illegible]	0 VA	Total Conn. Current:	26 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	[illegible]	0 VA	Total Est. Demand Current:	26 A
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	
E MISC. EQUIPMENT	2160 VA	100.00%	[illegible]160 VA	Total Demand Current:	26 A
F RECEPTACLE	7070 VA	100.00%	[illegible]		

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

PANEL EM

LOCATION: ELECTRICAL... SERVES: EMERGENCY MOUNT: SURFACE | PNL VOLTAGE: 120/2[illegible]e,3P,4W PNL AIC (RMS): 35,000[illegible] PANEL TYPE: NQOD MLO 225 A BUS: 225 A | BOLT-IN BREA[illegible] FULL SOLID NE[illegible] BUS GRO[illegible]ND BUS & I.G. BUS

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A		B		C		TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
2	A	1	SALE FL[illegible]	1	20	[illegible]6	360					[illegible]	[illegible]	[illegible]ELI ISLAND LTG.	2	A	2
2	A	3	SALE[illegible]	1	20			1162	826			[illegible]	1	BACK SPEED ISLE...	4	A	2
2	A	5	SALE FLOOR[illegible]	1	20					735					6		
2	A	[illegible]	PRODUCE LTG	[illegible]	20	52[illegible]	120					20	1	FIRE ALARM RECPT	8	E	+
2	A	[illegible]	FRONT OFFICES [illegible]	[illegible]	20			1232	180			20	1	FIRE ALARM RECPT	10	E	+
[illegible]	A	[illegible]	[illegible]ACK RM LTG	[illegible]	[illegible]					[illegible]	1040	20	1	SPEED ISLE LTG	12	A	2
[illegible]	A	13	[illegible] CENTER LT[illegible]	1	[illegible]	[illegible]48	891					20	1	CHECKOUT LTG	14	A	2
2	A	15	[illegible]INE LTG	1	20			530	18			20	1	EXIT LTG	16	A	
2	A	17	RT[illegible]TG	1	20					216					18		
	A	19	ELEVA[illegible]	1	20	12[illegible]									20		
2	A	21	LEFT STA[illegible]	1	20			136							22		
1	A	23	EXIT DOOR [illegible]	1	20					135					24		
		25													26		
[illegible]	A	27	ELEC RM LTG	[illegible]	20			136							28		
		29								60					30		
	E	31	SURGE PROTECTION	3	40	60									32		
		33						60							34		
		35													36		
		37													38		
		39													40		
		41													42		
			CONNECTED VA:			3554 VA		4280 VA		3339 VA				DEMAND FACTOR: 1.24			

TOTAL CONNECTED VA: 11173 VA AMPS: 31 A TOTAL DEMAND... 38 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	10693 VA	125.00%	13366 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	11173 VA
C REFRIGERATION	0 VA	0.00%	0 VA	Total Est. Demand:	13846 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	31 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	38 A
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	
E MISC. EQUIPMENT	480 VA	100.00%	480 VA	Total Demand Current:	38 A
F RECEPTACLE	0 VA	0.00%	0 VA		

NOTE: ALL BREAKERS IN PANEL 'EM' TO BE 'SWD' RATED AND LABELED.
<+> PROVIDE LOCKABLE BREAKER W/ HANDLE PAINTED RED.
<1>VIA 2 POLE CONTACTOR 'EM1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS
<2> VIA 16 POLE CONTACTOR 'EM2' PER (2) SQ. 'D' #LXG 80 OR (2) SIEMENS #CLM1B08 CONTROL TYPE: EMS

** CONTRACTOR TO PROVIDE BREAKER HANDLE TIES FOR ALL CIRCUITS UTILIZING SHARED NEUTRAL TO COMPLY WITH NFPA 70 SECTION 210.4

PANEL SFL

LOCATION: ELECTRICAL... SERVES: SALE FL LTG MOUNT: SURFACE | PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 42,000A PANEL TYPE: NQOD MLO 225 A BUS: 225 A | BOLT-IN BREAKERS FULL SOLID NEUTRAL BUS GROUND BUS

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A		B		C		TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
2	A	1	SALE FLOOR LTG	1	20	865	1435					20	1	SALE FLOOR LTG	2	A	1
1	A	3	SALE FLOOR LTG	1	20			1375	1435			20	1	SALE FLOOR LTG	4	A	2
		5									1336	20	1	SALE FLOOR LTG	6	A	1
		7					753					20	1	SALE FLOOR LTG	8	A	1
1	A	9	FRONT ISLE LTG	1	20			1040	790			20	1	SALE FLOOR LTG	10	A	2
2	A	11	FRONT ISLE LTG	1	20					1040	889	20	1	SALE FLOOR LTG	12	A	1
1	A	13	CHECKOUT LTG	1	20	1040	889					20	1	SALE FLOOR LTG	14	A	1
1	A	15	CHECKOUT LTG	1	20			990	1112			20	1	SALE FLOOR LTG	16	A	2
2	A	17	BACK SPEED ISLE...	1	20					990	1075	20	1	SALE FLOOR LTG	18	A	1
1	A	19	BACK SPEED ISLE...	1	20	1024	1200					20	1	PROD TRACK LTG	20	A	3
1	A	21	FRONT OFFICES LTG	1	20			762	1200			20	1	PROD TRACK LTG	22	A	3
2	A	23	FRONT OFFICES LTG	1	20					726	1800	20	1	PROD TRACK LTG	24	A	3
4	A	25	STORE DEPT...	1	20	730									26		
3	A	27	DELI ISLAND TRACK	1	20			1200							28		
4	A	29	STORE SIGNAGE	1	20					1020					30		
2	E	31	FAN F-5	1	20	528									32		
5	A	33	MEZZ TRACK LTG	1	20			1200							34		
5	A	35	MEZANINE LTG	1	20					186					36		
2	A	37	MEZANINE LTG	1	20	284	660					20	1	FANS F-8	38	E	2
		39													40		
		41													42		
			CONNECTED VA:			9408 VA		11104 VA		9062 VA				DEMAND FACTOR: 1.24			

TOTAL CONNECTED VA: 29574 VA AMPS: 82 A TOTAL DEMAND... 102 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	28386 VA	125.00%	35482 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	29574 VA
C REFRIGERATION	0 VA	0.00%	0 VA	Total Est. Demand:	36670 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	82 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	102 A
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	
E MISC. EQUIPMENT	1188 VA	100.00%	1188 VA	Total Demand Current:	102 A
F RECEPTACLE	0 VA	0.00%	0 VA		

<1> VIA 12 POLE CONTACTOR 'SFL1' PER (2) SQ.'D' #LXG 60 OR (2) SIEMENS #CLM1B06 CONTROL TYPE: EMS
<2> VIA 10 POLE CONTACTOR 'SFL2' PER SQ.'D' #LXG 1000 OR SIEMENS #CLM1B10 CONTROL TYPE: EMS
<3> VIA 4 POLE CONTACTOR 'SFL3' PER SQ. 'D' #LXG 40 OR SIEMENS #CLM1B04 CONTROL TYPE: EMS
<4> VIA 2 POLE CONTACTOR 'SFL4' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS
<5> VIA 4 POLE CONTACTOR 'SFL5' PER SQ. 'D' #LXG 40 OR SIEMENS #CLM1B04 CONTROL TYPE: EMS
** CONTRACTOR TO PROVIDE BREAKER HANDLE TIES FOR ALL CIRCUITS UTILIZING SHARED NEUTRAL TO COMPLY WITH NFPA 70 SECTION 210.4

PANEL MC1

LOCATION: RECEIVING /... SERVES: REFRIG MOUNT: SURFACE | PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 100,000 A PANEL TYPE: NQOD MCB 1200 A BUS: 1200 A | BOLT-IN BREAKERS FULL SOLID NEUTRAL BUS GROUND BUS

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A		B		C		TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
		1				14313	12000								2		
	C	3	UNIT #1	3	150			14313	12000			125	3	ELECTRIC WATER HEATER	4		
		5								14313	12000				6		
		7				39492	4000								8		
	C	9	UNIT #2 CIRCUIT 1	3	450			39492	4000			70	3	AUX. HEAT RECLAIM	10	C	
		11								39492	4000				12		
		13				41781									14		
	C	15	UNIT #2 CIRCUIT 2	3	500			41781							16		
		17								41781					18		
		19													20		
		21													22		
		23													24		
		25													26		
		27													28		
		29													30		
		31													32		
		33													34		
		35													36		
		37													38		
		39													40		
		41													42		
			CONNECTED VA:			111586 VA		111586 VA		111586 VA				DEMAND FACTOR: 1			

TOTAL CONNECTED VA: 334757 VA AMPS: 929 A TOTAL DEMAND... 929 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	0 VA	0.00%	0 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	334757 VA
C REFRIGERATION	298757 VA	100.00%	298757 VA	Total Est. Demand:	334757 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	929 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	929 A
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	
E MISC. EQUIPMENT	36000 VA	100.00%	36000 VA	Total Demand Current:	929 A
F RECEPTACLE	0 VA	0.00%	0 VA		

PANEL 'MC1' SUPPLIED WITH MOTOR CENTER

PANEL MC2

LOCATION: RECEIVING /... SERVES: AIR CONDITION MOUNT: SURFACE | PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 100,000 A PANEL TYPE: NQOD MLO 1200 A BUS: 1200 A | BOLT-IN BREAKERS FULL SOLID NEUTRAL BUS GROUND BUS

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A		B		C		TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
		1				35902	5892								2		
	B	3	AC#1	3	350			35902	5892			50	3	AC#2	4	B	
		5								35902	5892				6		
		7				10896	11268								8		
	B	9	AC#3	3	90			10896	11268			100	3	AC#4	10	B	
		11								10896	11268				12		
		13				10896	8400								14		
	B	15	AC#5	3	90			10896	8400			70	3	AC#6	16	B	
		17								10896	8400				18		
		19				10896									20		
	B	21	AC#7	3	90			10896							22		
		23								10896					24		
		25													26		
		27													28		
		29													30		
		31													32		
		33													34		
		35													36		
		37													38		
		39													40		
		41													42		
			CONNECTED VA:			94150 VA		94150 VA		94150 VA				DEMAND FACTOR: 1			

TOTAL CONNECTED VA: 282450 VA AMPS: 784 A TOTAL DEMAND... 784 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	0 VA	0.00%	0 VA		
B AIR CONDITIONING	282450 VA	100.00%	282450 VA	Total Conn. Load:	282450 VA
C REFRIGERATION	0 VA	0.00%	0 VA	Total Est. Demand:	282450 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	784 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	784 A
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	
E MISC. EQUIPMENT	0 VA	0.00%	0 VA	Total Demand Current:	784 A
F RECEPTACLE	0 VA	0.00%	0 VA		

PANEL 'MC2' SUPPLIED WITH MOTOR CENTER

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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August, 21 2018

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Tattersall Park

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Hoover
Shelby Co., AL

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