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.

PANEL A

LOCATION: RECEIVING /... SERVES: FZR/COOLER MOUNT: FLUSH
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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
1	C	1	ICE CASE 16A	1	20	557	104					20	2	BAKERY CLR FAN 101	2	C	
	C1	3	ICE CASE 16A DF	2	20			1248	104						4		
		5								1248	264	20	1	BAKERY CLR 101	6	C	
1	C	7	BEER CASE 17A	1	20	294	728					20	2	BAKERY FRZR 102	8	C2	
1	C	9	BEER CASE 18A	1	20			294	728						10		
1	C	11	BEER CASE 18B	1	20					294	168	20	1	BAKERY FRZR 102	12	C	
1	C	13	BEER CASE 19A	1	20	294	624					20	2	BAKERY FRZR 104	14	C2	
1	C	15	BEER CASE 19B	1	20			294	624						16		
	C1	17	FRZN BAKERY 20 DF	2	20					832	202	20	1	BAKERY FRZR 104	18	C	
		19				832	208					20	2	DAIRY COOLER 105	20	C	
1	C	21	FRZN BAKERY 20	1	20			404	208						22		
--	--	23	SPACE ONLY	--	--					0	540	20	1	DAIRY COOLER 105	24	C	
1	C	25	DAIRY CASE 22A	1	20	268	438					20	1	BAKERY CASE 21	26	C	1
1	C	27	DAIRY CASE 22B	1	20			268	888			20	1	FREEZER HEAT TAPE	28	E	Q
1	C	29	DAIRY CASE 22C	1	20					268					30		
1	C	31	DAIRY CASE 23A	1	20	268									32		
1	C	33	DAIRY CASE 23B	1	20			268							34		
1	C	35	DAIRY CASE 24A	1	20					268					36		
1	C	37	DAIRY CASE 24B	1	20	268									38		
1	C	39	DAIRY CASE 25A	1	20			268							40		
1	C	41	DAIRY CASE 25B	1	20					268					42		

CONNECTED VA: 4882 VA | 5595 VA | 4350 VA DEMAND FACTOR: 0.72
TOTAL CONNECTED VA: 14827 VA AMPS: 41 A TOTAL DEMAND... 30 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:	14827 VA
C REFRIGERATION	7075 VA	100.00%	7075 VA	Total Est. Demand:	10667 VA
C1 NON-COINCIDENTAL	4160 VA	0.00%	0 VA	Total Conn. Current:	41 A
C2 CLR/FRZR/FANS(CYCLED)	2704 VA	100.00%	2704 VA	Total Est. Demand Current:	30 A
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	12 A
E MISC. EQUIPMENT	888 VA	100.00%	888 VA	Total Demand Current:	30 A
F RECEPTACLE	0 VA	0.00%	0 VA		

<1> PROGRAMMED LIGHTING CONTROL VIA DIXELL CASE CONTROLLER
<Q> INDICATES EQUIPMENT RATED GFI BREAKER

PANEL B

LOCATION: RECEIVING /... SERVES: FRZ/COOLERS MOUNT: FLUSH
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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
1	C	1	FRZN FD CASE 8A	1	20	403	763					20	1	FRZN FD CASE 11A	2	C	1
	C1	3	FRZN FD CASE 8A DF	2	30			1799	763			20	1	FRZN FD CASE 11B	4	C	1
		5								1799	2080	30	2	FRZN FD 11A DF	6	C1	
	C1	7	FRZN FD CASE 8B DF	2	20	905	2080								8		
		9						905	2080			30	2	FRZN FD 11B DF	10	C1	
1	C	11	FRZN FD CASE 8B	1	20					300	2080				12		
1	C	13	FRZN FD CASE 8C	1	20	403	1664					20	2	FRZN FD 13A DF	14	C1	
	C1	15	FRZN FD CASE 8C DF	2	30			1799	1664						16		
		17								1799	613	20	1	FRZN FD CASE 13A	18	C	1
1	C	19	FRZN FD CASE 9A	1	20	613	763					20	1	FRZN FD CASE 13B	20	C	1
	C1	21	FRZN FD CASE 9A DF	2	20			1664	2080			30	2	FRZN FD 13B DF	22	C1	
		23								1664	2080				24		
	C1	25	FRZN FD CASE 9B DF	2	30	2080	0					--	--	SPACE ONLY	26	--	--
		27						2080	0			--	--	SPACE ONLY	28	--	--
1	C	29	FRZN FD CASE 9B	1	20					763	1664	20	2	FRZN FD 14A DF	30	C1	
	C1	31	FRZN FD 10A DF	2	30	2080	1664								32		
		33						2080	613			20	1	FRZN FD CASE 14A	34	C	1
1	C	35	FRZN FD CASE 10A	1	20					763	0	--	--	SPACE ONLY	36	--	--
		37					2080					30	2	FRZN FD 15 DF	38	C1	
		39							2080						40		
		41									763	20	1	FRZN FD CASE 15	42	C	1
	F	43	ABOVE FRZR...	1	20	540	2080					30	2	FRZN FD 14B DF	44	C1	
		45							2080						46		
	C1	47	FRZN FD 10B DF	2	30					2080	763	20	1	FRZN FD CASE 14B	48	C	1
		49				2080									50		
1	C	51	FRZN FD CASE 10B	1	20			763							52		
		53													54		

CONNECTED VA: 20199 VA | 22451 VA | 19212 VA DEMAND FACTOR: 0.16
TOTAL CONNECTED VA: 61862 VA AMPS: 172 A TOTAL DEMAND... 27 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:	61862 VA
C REFRIGERATION	9052 VA	100.00%	9052 VA	Total Est. Demand:	9592 VA
C1 NON-COINCIDENTAL	52270 VA	0.00%	0 VA	Total Conn. Current:	172 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	27 A
D KITCHEN	0 VA	0.00%	0 VA	NC Load:	0 A
E MISC. EQUIPMENT	0 VA	0.00%	0 VA	Total Demand Current:	27 A
F RECEPTACLE	540 VA	100.00%	540 VA		

<1> PROGRAMMED LIGHTING CONTROL VIA DIXELL CASE CONTROLLER

PANEL C

LOCATION: RECEIVING /... SERVES: FRZ/COOLER MOUNT: FLUSH
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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
1	C	1	FRZN FD CASE 1A	1	20	864	2080					30	2	FRZN FD CASE 5A DF	2	C1	
	C1	3	FRZN FD CASE 1A DF	2	30			2080	2080						4		
		5								2080	763	20	1	FRZN FD CASE 5A	6	C	1
	C1	7	FRZN FD CASE 1B DF	2	30	2080	763					20	1	FRZN FD CASE 5B	8	C	1
		9						2080	2080			30	2	FRZN FD CASE 5B DF	10	C1	
1	C	11	FRZN FD CASE 1B	1	20					763	2080				12		
1	C	13	FRZN FD CASE 2A	1	20	763	2080					30	2	FRZN FD CASE 6A DF	14	C1	
	C1	15	FRZN FD CASE 2A DF	2	30			2080	2080						16		
		17								2080	763	20	1	FRZN FD CASE 6A	18	C	1
		19													20		
		21													22		
		23													24		
1	C	25	FRZN FD CASE 2B	1	20	763	2080					30	2	FRZN FD CASE 7A DF	26	C1	
	C1	27	FRZN FD CASE 2B DF	2	30			2080	2080						28		
		29								2080	763	20	1	FRZN FD CASE 7A	30	C	1
		31					613					20	1	FRZN FD CASE 7B	32	C	1
1	C	33	FRZN FD CASE 3B	1	20			763	1664			20	2	FRZN FD CASE 7B DF	34	C1	
	C1	35	FRZN FD CASE 3B DF	2	30					2080	1664				36		
		37				2080	1248					20	2	FRZN FD CASE 12 DF	38	C1	
1	C	39	FRZN FD CASE 4	1	20			613	1248						40		
	C1	41	FRZN FD CASE 4 DF	2	20					1664	461	20	1	FRZN FD CASE 12	42	C	1
		43				1664									44		
1	C	45	FRZN FD CASE 3A	1	20			763	763			20	1	FRZN FD CASE 6B	46	C	1
	C1	47	FRZN FD CASE 3A DF	2	30					2080	2080	30	2	FRZN FD CASE 6B DF	48	C1	
		49				2080	2080								50		
		51													52		
	F	53	ABOVE FRZR...	1	20					720					54		

CONNECTED VA: 21239 VA | 22455 VA | 22122 VA DEMAND FACTOR: 0.17
TOTAL CONNECTED VA: 65815 VA AMPS: 183 A TOTAL DEMAND... 30 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:	65815 VA
C REFRIGERATION	10183 VA	100.00%	10183 VA	Total Est. Demand:	10903 VA
C1 NON-COINCIDENTAL	54912 VA	0.00%	0 VA	Total Conn. Current:	183 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	30 A
D KITCHEN	0 VA	0.00%	0 VA	NC Load:	0 A
E MISC. EQUIPMENT	0 VA	0.00%	0 VA	Total Demand Current:	30 A
F RECEPTACLE	720 VA	100.00%	720 VA		

<1> PROGRAMMED LIGHTING CONTROL VIA DIXELL CASE CONTROLLER

PANEL D

LOCATION: RECEIVING /... SERVES: GONDOLAS MOUNT: FLUSH
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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	F	1	GOND RECEPTS	1	20	540	915					20	1	WINE CASE	2	C	
	F	3	GOND RECEPTS	1	20			540	915			20	1	WINE CASE	4	C	
	F	5	GOND RECEPTS	1	20					540					6		
	F	7	GOND RECEPTS	1	20	360									8		
1	A	9	GOND LIGHTING	1	20			1200							10		
1	A	11	GOND LIGHTING	1	20					1200					12		
1	A	13	GOND LIGHTING	1	20	1200									14		
	E	15	WINE...	1	20			336							16		
	F	17	ABOVE CLR RECEPTS	1	20					720					18		
2	E	19	DOCK LEVERLER #2	1	20	1285									20		
	F	21	BUG ZAP	1	20			900							22		
	F	23	ROOF TOP RECEPT.	1	20					180					24		
	E	25	BALER 10 HP(2300HD)	3	60	3696									26		
		27						3696							28		
		29								3696					30		
	E	31	COMPAC ODOR FAN	1	20	360									32		
	E	33	FLOOR SCRUBBER	1	20			600							34		
	E	35	FLOOR SCRUBBER	1	20					600					36		
	E	37	PUMP MOTOR CTR	1	20	500									38		
	C	39	WINE CASE	1	20			1884							40		
	C	41	WINE CASE	1	20					1884					42		

CONNECTED VA: 8856 VA | 10071 VA | 8820 VA DEMAND FACTOR: 1.03
TOTAL CONNECTED VA: 27747 VA AMPS: 77 A TOTAL DEMAND... 80 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	3600 VA	125.00%	4500 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	27747 VA
C REFRIGERATION	5598 VA	100.00%	5598 VA	Total Est. Demand:	28647 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	[illegible]	Total Conn. Current:	77 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	[illegible]	Total Est. Demand Current:	[illegible]
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	[illegible]
E MISC. EQUIPMENT	14769 VA	100.00%	14769 VA	Total Demand Current:	80 A
F RECEPTACLE	3780 VA	100.00%	3780 VA		

<1> VIA 4 POLE CONTACTOR 'D1' PER SQ. 'D' #LXG 40 OR SIEMENS #CLM1B04 CONTROL TYPE: EMS
<2> VIA 2 POLE CONTACTOR 'D2' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS

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

PANEL F

LOCATION: BAKERY PREP... SERVES: BAKERY MOUNT: FLUSH
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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	D	1	POTWASHER (FL10E)	3	90	8526	600					20	3	OVEN (LRO-1G4) #2	2	D	
		3						8526	600						4		
		5								8526	600				6		
	D	7	60QT HOBART MIXER	3	20	1200	1543					20	1	BKRY DISP'S	8	D	
		9						1200	840			20	1	SLICER (777-N)	10	D	
		11								1200	360	15	2	20 QUART MIXER...	12	D	
	F	13	BAKERY RECEPTS	1	20	360	360								14		
	D	15	WATER CHILLER	2	30			2049							16		
		17								2049	750	20	1	DISP'S (GHSEH452R)	18	E	
	D	19	SPRL MXR (KMPR SP-80)	3	50	3840	1176					20	1	BAKERY OVEN F-6	20	E	1
		21						3840	456			20	1	BAKERY LTG	22	A	1
		23								3840	216	20	1	BREAD CASE LTS	24	A	1
	D	25	PROOF BOX (LBC...	2	40	2500	370					20	3	ROUNDER (ERIKA 1.1K)	26	D	
		27						2500	370						28		
	D	29	SLICER OLIVER 777	1	20					840	370				30		
	F	31	BAKERY RECEPT	1	20	180	1176					20	1	BAKERY OVEN F-7	32	E	1
	D	33	OVEN (LRO-1G4) #1	3	20			600							34		
		35								600	1680	20	1	REFRIG TABLE	36	C	
		37				600									38		
	D	39	CNTRL OVENS #1,2	1	20			200							40		
	D	41	POT WASHER CNTR	1	20					180					42		

CONNECTED VA: 22431 VA | 21181 VA | 21211 VA DEMAND FACTOR: 0.68
TOTAL CONNECTED VA: 64823 VA AMPS: 180 A TOTAL DEMAND... 123 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	672 VA	125.00%	840 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	64823 VA
C REFRIGERATION	1680 VA	100.00%	1680 VA	Total Est. Demand:	44401 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	180 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	123 A
D KITCHEN	58829 VA	65.00%	38239 VA	Non-coincident Current:	
E MISC. EQUIPMENT	3102 VA	100.00%	3102 VA	Total Demand Current:	123 A
F RECEPTACLE	540 VA	100.00%	540 VA		

<1> VIA 6 POLE CONTACTOR 'F1' PER SQ. 'D' #LXG 60 OR SIEMENS #CLM1B06 CONTROL TYPE: EMS

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

PANEL H

LOCATION: RECEIVING /... SERVES: MOUNT: FLUSH
PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 18,000 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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	F	1	GOND. RECEPTS	1	20	720	180					20	1	ROOF TOP RECEPT	2	P	
	F	3	GOND. RECEPTS	1	20			540	1500			20	3	RH-1	4	B	2
	F	5	GOND. RECEPTS	1	20					1080	1500				6		
	F	7	GOND. RECEPTS	1	20	720	1500								8		
	E	9	COFFEE GRINDER	1	20			600	720			20	1	DEPT OFF RECEPTS	10	F	
	C	11	BAKERY REFRIG	1	20					1945	205	20	1	EMPLY RESTROOM	12	F	
	A	13	MAGANZINE LTS	1	20	500	884					20	1	MEAT/SF SER LTG	14	A	1
1	A	15	GOND. LTS	1	20			1200	956			20	1	BACK CORRIDOR LTG	16	A	
1	A	17	GOND. LTS	1	20					1200	588	20	1	DEPT / REST LTG	18	A	
1	A	19	GOND. LTS	1	20	1200	355					20	1	DOCK LTG	20	A	
1	A	21	GOND. LTS	1	20			1200	480			20	1	EDF RECEPT.	22	F	
	F	23	ABOVE CLR RECEPTS	1	20					360	2070	20	1	S26-30SC CASE	24	C	
	F	25	ABOVE CLR RECEPTS	1	20	360	816					20	1	EXTERIOR LTG	26	A	1
	E	27	HEATER (SH-1)	2	30			2000	272			20	1	PRODUCE LTG	28	A	1
		29								2000	500	20	1	SITE BKFL PREV...	30	[illegible]	
		31	GENERATOR HEATER	1	20	1000									32		
	F	33	PROD REFRIG CASE	1	30			2268							34		
	F	35	PROD REFRIG CASE	1	30					2268					36		
	F	37	PROD REFRIG CASE	1	30	2268									38		
	F	39	PROD REFRIG CASE	1	30			2268							40		
	F	41	PROD CONV RECEPT	1	20					180					42		

CONNECTED VA: 10503 VA | 14004 VA | 13896 VA DEMAND FACTOR: [illegible]
TOTAL CONNECTED VA: 38403 VA AMPS: 107 A TOTAL DEMAND... [illegible]

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	8643 VA	125.00%	[illegible]		
B AIR CONDITIONING	4500 VA	100.00%	[illegible]	Total Conn. Load:	38403 VA
C REFRIGERATION	4015 VA	100.00%	[illegible]	Total Est. Demand:	40564 VA
C1 NON-COINCIDENTAL	0 VA	[illegible]	[illegible]	Total Conn. Current:	107 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	[illegible]	[illegible]	Total Est. Demand Current:	113 A
D KITCHEN	0 VA	0.00%	0 VA	Non-coincident Current:	
E MISC. EQUIPMENT	6808 VA	100.00%	[illegible]	Total Demand Current:	113 A
F RECEPTACLE	14437 VA	100.00%	[illegible]		

<1> VIA 8 POLE CONTACTOR 'H1' PER SQ. 'D' #LXG 80 OR SIEMENS #CL[illegible] CONTROL TYPE: EMS
<2> VIA [illegible] POLE CONTACTOR 'H2' PER SQ. 'D' #SMG2 OR SIEMENS #LEN0[illegible] CONTROL TYPE: EMS

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

PANEL J

LOCATION: RECEIVING /... SERVES: MEAT MOUNT: FLUSH
PNL VOLTAGE: 120/2[illegible],3P,4W PNL AIC (RMS): 18,000 [illegible] 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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	F	1	MEAT RE[illegible]	1	20	[illegible]	1600					[illegible]	[illegible]	STEAMER (NE3280)	2	D	
	D	3	MEAT SAW	3	20			1273	1600						4		
		5								1273	180	[illegible]	1	SF RECEPT	6	F	
		7				[illegible]	725					20	1	SF WRAPPER	8	D	
	D	9	[illegible]EAT SAW	[illegible]	[illegible]			1273							10		
		11								[illegible]	335	20	1	APRONS DISPLAY	12	C	
		13				[illegible]	180					20	1	APRONS RECEPT	14	F	
	D	15	[illegible]SHARPENER	1	20			225	720			20	1	PROD WRAPPER	16	E	
	D	17	WRA[illegible]	2	20					1175	360	20	1	PROD RECEPT	18	F	
		19				[illegible]	[illegible]					–	–	SPACE ONLY	20	--	–
	F	21	MEAT REC[illegible]	1	20			180	1725			20	1	APRONS REFRIG...	22	C	
	D	23	WRAP STATION	1	20					1200	1128	20	1	APRON 2 DR REFRIG	24	C	
	D	25	GRINDER MINI-32	[illegible]	20	1320	1884					20	1	FLAKER ICE MACHINE	26	E	
		27						1320	1600			20	1	APRON MICROWAVE	28	D	1
		29								1320	180	20	1	APRON RECEPT	30	F	1
	D	31	TENDERIZER (S111)	1	20	620	180					20	1	APRON RECEPT	32	F	1
	D	33	SLICER	1	20			396	0			–	–	SPACE ONLY	34	--	–
	D	35	SM MEAT GRINDER	2	20					816	0	–	–	SPACE ONLY	36	--	–
		37				816	0					–	–	SPACE ONLY	38	--	–
		39							0			–	–	SPACE ONLY	40	--	–
		41									0	–	–	SPACE ONLY	42	--	–

CONNECTED VA: 11406 VA | 10312 VA | 9240 VA DEMAND FACTOR: 0.75
TOTAL CONNECTED VA: 30958 VA AMPS: 86 A TOTAL DEMAND... 65 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:	30958 VA
C REFRIGERATION	3188 VA	100.00%	3188 VA	Total Est. Demand:	23326 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	86 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	65 A
D KITCHEN	21805 VA	65.00%	14173 VA	Non-coincident Current:	
E MISC. EQUIPMENT	4345 VA	100.00%	4345 VA	Total Demand Current:	65 A
F RECEPTACLE	1620 VA	100.00%	1620 VA		

<1> VIA 4 POLE CONTACTOR 'J1' PER SQ. 'D' #LXG 40 OR SIEMENS #CLM1B04 CONTROL TYPE: EMS & <G> GFCI TYPE BREAKER

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

PANEL K

LOCATION: RECEIVING /... SERVES: MEAT CASE MOUNT: FLUSH
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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
1	C	1	MEAT CASE 26A	1	20	197									2		
1	C	3	MEAT CASE 26B	1	20			268							4		
1	C	5	MEAT CASE 26C	1	20					197	101	20	1	PROD. WORK RM 108	6	C	
1	C	7	APRONS CASE 27	1	20	68	52					20	2	PROD. WORK RM 108	8	C	
1	C	9	APRONS CASE 28	1	20			68	52						10		
1	C	11	SEAFOOD CASE 29A	1	20					569	264	20	1	CUT PROD. CLR 109	12	C	
1	C	13	SEAFOOD CASE 29B	1	20	108	104					20	2	CUT PROD. CLR 109	14	C	
1	C	15	MEAT CASE 31A	1	20			197	104						16		
1	C	17	MEAT CASE 31B	1	20					270	336	20	1	MEAT PREP RM 110	18	C	
1	C	19	MEAT CASE 31C	1	20	197	208					20	2	MEAT PREP RM 110	20	C	
Q	E	21	HEAT TAPE	1	20			1056	208						22		
1	C	23	MEAT CASE 30	1	20					126	304	20	1	MEAT COOLER 111	24	C	
Q	E	25	HEAT TAPE	1	20	552	312					30	2	MEAT COOLER 111	26	C2	
1	C	27	MEAT CASE 33A	1	20			185	312						28		
1	C	29	MEAT CASE 33B	1	20					185	336	20	1	MEAT/DELI FRZR 112	30	C	
1	C	31	MEAT CASE 34A	1	20	185	624					20	2	MEAT/DELI FRZR 112	32	C2	
1	C	33	MEAT CASE 34B	1	20			185	624						34		
	C	35	ICE CREAM FRZR 106	1	20					372	336	20	1	SF/CHICKEN CLR 113	36	C	
	C2	37	ICE CREAM FRZR 106	2	50	1248	156					20	2	SF/CHICKEN CLR 113	38	C2	
		39						1248	156						40		
		41									660	20	1	MEAT PREP RM 114	42	C	
	C1	43	FRZN SF CASE 32 DF	2	20	1664	104					20	2	MEAT PREP RM 114...	44	C	
		45						1664	104						46		
1	C	47	FRZN SF CASE 32	1	20					709	660	20	1	MEAT PREP RM 118	48	C	
	C	49	PROD. COOLER 107	1	20	372	104					20	2	MEAT PREP RM 118...	50	C	
	C	51	PROD. COOLER 107	2	20			260	104						52		
--	--	53	–	–	--					260					54		

CONNECTED VA: 6255 VA | 6794 VA | 5684 VA DEMAND FACTOR: 0.82
TOTAL CONNECTED VA: 18733 VA AMPS: 52 A TOTAL DEMAND... 43 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:	18733 VA
C REFRIGERATION	9117 VA	100.00%	9117 VA	Total Est. Demand:	15405 VA
C1 NON-COINCIDENTAL	3328 VA	0.00%	0 VA	Total Conn. Current:	52 A
C2 CLR/FRZR/FANS(CYCLED)	4680 VA	100.00%	4680 VA	Total Est. Demand Current:	43 A
D KITCHEN	0 VA	0.00%	0 VA	NC Load:	0 A
E MISC. EQUIPMENT	1608 VA	100.00%	1608 VA	Total Demand Current:	43 A
F RECEPTACLE	0 VA	0.00%	0 VA		

<1> PROGRAMMED LIGHTING CONTROL VIA DIXELL CASE CONTROLLER
<Q> INDICATES EQUIPMENT RATED GFI BREAKER

PANEL L

LOCATION: DE[illegible]P 106 SERVES: DELI MOUNT: FLUSH
PNL VOLTAGE: [illegible]08 Wye,3P,4[illegible] PNL AIC (RMS): [illegible] PANEL TYPE: [illegible] MCB 400 A BUS: [illegible] A
120 VOLT SHUNT TRIP 400 AMP MCB

N	LT	CKT NO	EQUIPMENT SERVED	P	TRIP	A	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	D	1	[illegible]O-SHAAM H[illegible]...	2	40	30[illegible]	[illegible]400					70	3	ALTO SHAAM CTP-7 COMBITHERM	2	D	
		3						3000	6400						4		
	D	5	[illegible]SERIE[illegible] (BKI V[illegible])	3	40					3564	6400				6		
		7				3564	[illegible]					45	3	DELI DISH DRYER (CL 44e)	8	D	
		9						3564	4107						10		
	D	11	ROT[illegible]E (BKI VGG-[illegible])	3	40					3564	4107				12		
		13				3564	6605					70	3	DELI DISH WASHER MOTOR/TANK (CL 44e	14	D	
		15						3564	6605						16		
	D	17	DELI FRY[illegible] (GEF-720)	3	80					6960	6605				18		
		19				6960	5403					60	3	DELI DISH WASHER-RINSE HT...	20	D	
		21						6960	5403						22		
	D	23	DELI FRYER (GEF-720)	3	80					6960	5403				24		
		25				6960	896					20	1	MELINK & SHUNT...	26	E	+
		27						6960							28		
	D	29	DELI FRYER (GEF-720)	3	80					6960					30		
		31				6960									32		
		33						6960							34		
	D	35	ALTO SHAAM CTP-7 COMBITHERM	3	70					6400					36		
		37				6400									38		
		39						6400							40		
		41													42		

CONNECTED VA: 60819 VA | 59923 VA | 56923 VA DEMAND FACTOR: 0.65
TOTAL CONNECTED VA: 177665 VA AMPS: 493 A TOTAL DEMAND... 321 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:	177665 VA
C REFRIGERATION	0 VA	0.00%	0 VA	Total Est. Demand:	115796 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	493 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	321 A
D KITCHEN	176769 VA	65.00%	114900 VA	Non-coincident Current:	
E MISC. EQUIPMENT	896 VA	100.00%	896 VA	Total Demand Current:	321 A
F RECEPTACLE	0 VA	0.00%	0 VA		

<+> PROVIDE LOCKABLE BREAKER

PANEL M

LOCATION: DELI PREP 106 SERVES: DELI CASE MOUNT: FLUSH
PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 14,000 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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
1	C	1	PRODUCE CASE 35A	1	20	312									2		
1	C	3	PRODUCE CASE 35B	1	20			294							4		
1	C	5	PRODUCE CASE 36A	1	20					294	278	20	1	FLORAL CASE 46	6	C	1
1	C	7	DELI CASE 36B	1	20	294	228					20	1	FLORAL CASE 47	8	C	1
1	C	9	DELI CASE 37	1	20			214							10		
1	C	11	DELI CASE 38A	1	20					143	214	20	1	PRODUCE CASE 48B	12	C	1
1	C	13	DELI CASE 38B	1	20	143	214					20	1	PRODUCE CASE 49A	14	C	1
1	C	15	DELI CASE 39A	1	20			143	214			20	1	PRODUCE CASE 49B	16	C	1
1	C	17	DELI CASE 39B	1	20					214	214	20	1	PRODUCE CASE 50A	18	C	1
1	C	19	DELI CASE 40A	1	20	366	214					20	1	PRODUCE CASE 50B	20	C	1
1	C	21	DELI CASE 40B	1	20			414	143			20	1	PRODUCE CASE 50C	22	C	1
1	C	23	DELI CASE 42A	1	20					348	104	20	2	MEAT FRZR 116	24	C2	
1	C	25	DELI CASE 42B	1	20	418	104								26		
1	C	27	DELI CASE 43A	1	20			240	228			20	1	MEAT FRZR 116	28	C	
1	C	29	DELI CASE 43B	1	20					221	208	20	2	DELI COOLER 115	30	C	
1	C	31	DELI CASE 43C	1	20	238	208								32		
1	C	33	DELI CASE 43D	1	20			221	228			20	1	DELI COOLER 115	34	C	
1	C	35	DELI CASE 43E	1	20					283	104	20	2	DELI COOLER 117	36	C	
1	C	37	DELI CASE 44	1	20	289	104								38		
1	C	39	DELI CASE 45	1	20			365	228			20	1	DELI COOLER 117	40	C	
Q	E	41	HEAT TAPE	1	20					360					42		
		43													44		
		45													46		
		47													48		
		49													50		
		51													52		
		53													54		

CONNECTED VA: 3130 VA | 2930 VA | 2984 VA DEMAND FACTOR: 1
TOTAL CONNECTED VA: 9045 VA AMPS: 25 A TOTAL DEMAND... 25 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:	9045 VA
C REFRIGERATION	8477 VA	100.00%	8477 VA	Total Est. Demand:	9045 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	25 A
C2 CLR/FRZR/FANS(CYCLED)	208 VA	100.00%	208 VA	Total Est. Demand Current:	25 A
D KITCHEN	0 VA	0.00%	0 VA	NC Load:	
E MISC. EQUIPMENT	360 VA	100.00%	360 VA	Total Demand Current:	25 A
F RECEPTACLE	0 VA	0.00%	0 VA		

<1> PROGRAMMED LIGHTING CONTROL VIA DIXELL CASE CONTROLLER
<Q> INDICATES EQUIPMENT RATED GFI BREAKER

PANEL N

LOCATION: DELI PREP 106 SERVES: DELI MOUNT: FLUSH
PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 14,000A 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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	D	1	HOT DP8HP60 #1	2	30	2361	720					20	1	WRAPPER (625A)	2	D	
		3						2361	3000			40	2	ALTO-SHAAM HEAT ...	4	D	
G	D	5	HOT DP8HP60 #2	1	20					43	3000				6		
	D	7	HOT GHSS461H #1	2	30	1800	1665					20	2	DELI BLAST CHILLE...	8	D	
		9						1800	1665						10		
G	D	11	HOT GHSS461H #2	1	20					240	725	20	1	WRAPPER	12	D	
G	D	13	HOT CASE GHS335H	1	20	880	1920					30	1	POPCORN M/C	14	D	
G	D	15	DELI TRUE PRE TBL	1	20			1032	180			20	1	PEANUT BUTTER M/C	16	D	
	D	17	4' SOUP CASE	2	30					1643	360	20	1	DELI ISLAND RECEPT	18	F	
		19				1643	360					20	1	DELI SLICER	20	D	
	D	21	TURBOCHEF ISLAND	2	50			3640	2996			30	2	TURBOCHEF BULLET	22	D	
		23								3640	2996				24		
G	D	25	MUFFIN CASE OEO	1	20	75	1500					20	1	RICE COOKER	26	D	
G	C	27	OEO REFRIG DRINK	1	20			1168	180			20	1	RICE COOKER	28	D	
	D	29	SLICER (BIZZERBA)	1	20					420	1500	20	1	RICE COOKER	30	D	
	D	31	SLICER (BIZZERBA)	1	20	420									32		
	D	33	SLICER (BIZZERBA)	1	20			420							34		
	D	35	SLICER (BIZZERBA)	1	20					420					36		
	D	37	REFRIG PREP TBL	1	20	1032									38		
	–	39	SPARE	1	20			0	720			20	1	PROD MISTER	40	F	
	D	41	TURBOCHEF BULLE...	2	30					2995					42		
		43				2995	977					20	1	INSTACART FREEZER	44	C	
	E	45	DRINK VISI	1	20			360	360			20	1	EVENT PLAN...	46	F	
	E	47	ICE M/C MC425AHS	1	20					1230	360	20	1	EVENT PLAN...	48	F	
1	F	49	CUST SVC RECEPT.	1	20	180	1040					20	1	EVENT PLAN 2 DR	50	C	
2	A	51	CUST SIGNAGE LTG	1	20			300	1142			20	2	SOUP CASE (WELL)	52	D	
	C	53	INSTACART REFRIG.	1	20					1104	1142				54		

CONNECTED VA: 19568 VA | 21324 VA | 21818 VA DEMAND FACTOR: 0.7
TOTAL CONNECTED VA: 62710 VA AMPS: 174 A TOTAL DEMAND... 122 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	300 VA	125.00%	375 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	62710 VA
C REFRIGERATION	3185 VA	100.00%	3185 VA	Total Est. Demand:	43818 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	174 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	122 A
D KITCHEN	54191 VA	65.00%	35224 VA	NC Load:	
E MISC. EQUIPMENT	2694 VA	100.00%	2694 VA	Total Demand Current:	122 A
F RECEPTACLE	2340 VA	100.00%	2340 VA		

<1> VIA 2 POLE CONTACTOR 'N1' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS
<2> VIA 2 POLE CONTACTOR 'N2' PER SQ. 'D' #LXG 20 OR SIEMENS #CLM1B02 CONTROL TYPE: EMS
<G> GFCI TYPE BREAKER
** CONTRACTOR TO PROVIDE BREAKER HANDLE TIES FOR ALL CIRCUITS UTILIZING SHARED NEUTRAL TO COMPLY WITH NFPA 70 SECTION 210.4

PANEL P

LOCATION: DELI PREP 106 SERVES: DELI MOUNT: FLUSH
PNL VOLTAGE: 120/208 Wye,3P,4W PNL AIC (RMS): 14,000A 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	A	B	B	C	C	TRIP	P	EQUIPMENT SERVED	CKT NO	LT	N
	F	1	DELI RECEPT	1	20	720	228					20	1	DELI DEPT LTG	2	A	1
G	D	3	REFRIG PREP TABLE	1	20			1032	1440			20	1	DELI ISLAND LTG	4	A	1
	D	5	DELI BLAST CHILLE...	2	20					1650	486	20	1	DELI ISLAND LTG	6	A	1
		7				1650	57					20	1	OFFICE MEZZ LTG	8	A	
		9													10		
	F	11	ROOF TOP RECEPT.	1	20					360	1512	20	1	DELI WOK BASE REF	12	D	
	E	13	MAU-1 1.5HP MOTOR	3	20	792									14		
		15						792							16		
		17								792					18		
	E	19	MUA-2 1HP MOTOR	3	20	552									20		
		21						552							22		
		23								552					24		
	E	25	F-1 2HP MOTOR	2	20	1373									26		
		27						1373							28		
	E	29	F-2 1HP MOTOR	2	20					915					30		
		31				915									32		
	E	33	F-3 .25HP MOTOR	1	20			696							34		
	F	35	SYRUP	1	20					180					36		
	E	37	FAN F-9 .10HP	1	20	660									38		
		39													40		
		41													42		

CONNECTED VA: 6947 VA | 5885 VA | 6447 VA DEMAND FACTOR: 1
TOTAL CONNECTED VA: 19278 VA AMPS: 54 A TOTAL DEMAND... 53 A

Load Type (LT)	Connected	Factor	Demand	Panel Totals	
A LIGHTING	2211 VA	125.00%	2764 VA		
B AIR CONDITIONING	0 VA	0.00%	0 VA	Total Conn. Load:	19278 VA
C REFRIGERATION	0 VA	0.00%	0 VA	Total Est. Demand:	19246 VA
C1 NON-COINCIDENTAL	0 VA	0.00%	0 VA	Total Conn. Current:	54 A
C2 CLR/FRZR/FANS(CYCLED)	0 VA	0.00%	0 VA	Total Est. Demand Current:	53 A
D KITCHEN	5844 VA	90.00%	5260 VA	Non-coincident Current:	
E MISC. EQUIPMENT	9963 VA	100.00%	9963 VA	Total Demand Current:	53 A
F RECEPTACLE	1260 VA	100.00%	1260 VA		

<1> VIA 4 POLE CONTACTOR 'P1' PER SQ. 'D' #LXG 40 OR SIEMENS #CLM1B04 CONTROL TYPE: EMS
<G> GFCI TYPE BREAKER

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

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PLOT DATE:
August, 21 2018

No.	Description	Date

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