

GENERAL NOTES:

- SEE MECHANICAL DRAWINGS FOR KITCHEN HOOD SCHEDULE. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS TO EXHAUST FAN, LIGHT, & SWITCHES.
- PROVIDE SEAL-TITE FLEX ON ALL DELI/BAKERY EQUIPMENT/CASES: 3 FT. (MIN.) ON FLOOR CIRCUITS AND 4 FT. (MIN.) ON WALL CIRCUITS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING FOR SHUNT TRIP SYSTEM AT EXHAUST HOOD AND EQUIPMENT.
- PROVIDE 1"-0" OF FLEX CONDUIT AND A 2"x4" BOX WITH A DUPLEX RECEPTACLE.
- (1) 4-CONDUCTOR SHIELDED CABLE (#22 AWG OR LARGER)
(2) CONDUCTOR (BLACK & WHITE) - FOR TEMPERATURE SENSOR, INDICATED AS:
(2) CONDUCTOR (RED & GREEN) - FOR DEFROST TERMINATION, INDICATED AS:
- DIMENSIONS ARE SHOWN FROM INTERIOR SURFACE OF EXTERIOR MASONRY BUILDING WALLS.
- MOUNT FLY TRAPS AT 5'-0" ABOVE THE FINISHED FLOOR IN THE DELI/BAKERY AND PRODUCE PREP.
- SEE SHEET E4.02 FOR TELEPOLE INFORMATION.
- ALL ELECTRICAL WIRING WILL BE DONE IN STRICT ACCORDANCE WITH THE N.E.C. NO COLOR CHANGES IN WIRE RUNS, MISLABELED CIRCUITS, ETC. ALL WIRING SHALL BE DONE IN ACCORDANCE WITH FOOD LION STANDARDS. ONLY NEAT, FIRST QUALITY WORK WILL BE ALLOWED. 8 ALL BRANCH CIRCUIT PANELBOARDS SHALL BE VACUUMED. ALL ELECTRICAL ENCLOSURE COVERS SHALL BE INSTALLED AND ADEQUATELY SECURED TO OBTAIN PROJECT CLOSE OUT.
- ALL BRANCH CIRCUIT PANELBOARDS, SAFETY DISCONNECTS, ELECTRICAL DISTRIBUTION EQUIPMENT, MAIN BREAKERS, AND MAIN SERVICE DISCONNECTS SHALL BE LABELED WITH PHENOLIC TAGS, BLACK ON WHITE, 1.5" TALL. DISTRIBUTION SECTIONS SHALL BE LABELED ACCORDING TO ARC FLASH LABELS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL CORRECTED TYPE WRITTEN PANEL SCHEDULES IN ELECTRICAL PANELS, NEW AND EXISTING, AT THE END OF THE PROJECT. HAND WRITTEN SCHEDULES SHALL BE MAINTAINED THROUGHOUT THE PROJECT.
- SCALES SHALL BE FED FROM A CIRCUIT THAT IS CONTINUOUSLY ENERGIZED (NOT CONTROLLED BY THE ENERGY MGMT SYSTEM)
- COORDINATE REMOVAL/REPLACEMENT OF REFRIGERATED CASES WITH THE REFRIGERATION CONTRACTOR AND THE FOOD LION CONSTRUCTION SUPERVISOR.

LEGEND:

- JUNCTION BOX
- WP
- GFI
- GROUND FAULT INTERRUPTING RECEPTACLE
- IS
- SPECIAL USE RECEPTACLE VOLTAGE, PHASE AND AMPERAGE BASED ON LOAD SERVED. COORDINATE NEMA CONFIGURATION WITH EQUIPMENT REQUIREMENTS. FLOOR STUB UP
- DISCONNECT SWITCH-TYPE AS NOTED
- ELECTRICAL CONNECTION UNDER CASE
- ELECTRICAL DROP FROM OVERHEAD
- EXISTING ELECTRICAL STUB-UP
- REFRIGERATION CIRCUIT NUMBER
- POWER POLE (SEE GENERAL NOTE #17)
- SC
- SCALE SYSTEM DATA PORT (SEE SCALE SYSTEM NOTES)
- ELECTRICAL CONNECTION UNDER CASE. REUSE EXISTING STUBS WHERE POSSIBLE. COORDINATE CONDUIT ROUTING WITH THE FOOD LION CONSTRUCTION SUPERVISOR.

ADDED DEMAND FOR KITCHEN EQUIPMENT

VOLTAGES	EQUIPMENT
40,680	RACK OVEN
19,080	FRYER
11,160	CONVECTION OVEN
70,920	TOTAL
X.70	
49,644	
ADDITION	D/B TOTAL 49,644

DELI/BAKERY POWER PLAN KEY NOTES

- EXISTING EQUIPMENT - RELOCATED, PROVIDE NEW CONNECTION AS REQUIRED AND EXTEND EXISTING CIRCUITRY. FIELD VERIFY CONDITIONS AND EXTENT OF WORK.
- SERVICE COLD DELI CASE RECEPTACLES, GFCI, WP, PROVIDED WITH CASE. COORDINATE REQUIREMENTS AND CONDUIT ROUTING WITH CASE INSTALLATION.
- RECEPTACLE AND COMMUNICATION CONNECTION FOR DELI MONITOR MOUNTED IN CEILING TILE, COORDINATE EXACT LOCATION. CAT-5e COMMUNICATION CABLES TO BE PROVIDED BY OTHERS (MACRO).
- EXISTING PANEL SCHEDULE IS INCORRECT, RECONNECT CIRCUITS TO RELOCATED EQUIPMENT SHIFT EXISTING BREAKERS AS REQUIRED TO FIT NEW LOADS IN PANELS
- ELECTRICAL CONTRACTOR SHALL REFLUGE SEAL-TIGHT FLEXIBLE CONDUIT AND FITTINGS FOR 9-9 HOOD ON ROOF. (SEAL-TITE TYPE FLEX IS SPECIFIED, USE PROPER METAL FITTINGS) IF EQUIPMENT TO BE REUSED AFTER REMODEL.

PANEL: D									
LOCATION: DELI/BAKERY AREA									
FED FROM: MDP-2									
VOLTAGE: 208Y/120 VOLT, 3PH, 4W, 60 Hz									
MAINS: 400 AMP X MLO									
AMP MAIN BREAKER									
MOUNTING: UNITIZED SWITCHGEAR X FLUSH SURFACE									
MINIMUM AIC RATING: 65 KA									
100% NEUTRAL BUS									
LOCK ON CIRCUIT									
SHUNT TRIP									
BRANCH CIRCUIT									
DEVICES	COND SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS)	NO.
								A B C	
4	1-2	2	60	3	BLFF-208 OPEN VAT FRYER (208/3/60, 47.3 A, 17KW)	5676	1	5676	2
	1/4	2				5676	3	5676	0
						5676	5	5676	0
						0	7	0	8
						4476	9	8316	10
4	1-6	50	3		FRYER	4476	11	8316	12
	1/4	6				4476	13	8316	14
						0	15	0	16
						3720	17	5472	18
4	1	6	40	3	SHO-E CONVECTION OVEN (208/3/60, 11KW, 31/29/29 AMPERES)	3720	21	5472	20
						3720	29	3720	22
						0	23	1752	24
						3720	25	5472	26
4	1-6	45	3		HOT DELI CASE (208/3/60, 31.2 AMPERES)	3720	27	3720	28
	1/4	6				3720	29	3720	30
						7080	31	7080	32
4	1-2	80	3		DELI ISLAND (208/3/60, 59 AMPERES)	7080	33	13080	34
	1/4	2				7080	35	13080	36
						0	37	3720	38
1/2	12	15	1		RACK OVEN CONTROL	600	39	4320	40
						0	41	3720	42
						11300		11300	
	4/0				PANEL B	14062		14062	
	4/0					15107		15107	
TOTALS PER PHASE (W)						35736	38832	41736	
TOTAL CONNECTED LOAD (VA)						116,304			

NOTES: EXISTING PANEL EXISTING INFORMATION FROM FOOD LION ASBUILTS, ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS BOLD INDICATES NEW WORK
ELECTRICAL CONTRACTOR TO REMOVE DOUBLE TERMINATION ON BREAKERS 12, REMOVE WIRE FROM ALL UNUSED BREAKERS AND LABEL AS SPARE, PANEL SCHEDULE
INCORRECT, COORD. EXACT WIRE SIZE AND BREAKER WITH EXISTING AND RELOCATED EQUIPMENT PRIOR TO WORK, MODIFY BREAKER LAYOUT AS REQUIRED FOR NEW EQUIPMENT
SEE SHEET E6.04 ELECTRICAL DEFICIENCIES TO BE REPAIRED LIST FOR FURTHER BREAKER INFORMATION D-35,37,67

PANEL: B									
LOCATION: DELI/BAKERY AREA									
FED FROM: PANEL D									
VOLTAGE: 208Y/120 VOLT, 3PH, 4W, 60 Hz									
MAINS: 225 AMP X MLO									
AMP MAIN BREAKER									
MOUNTING: UNITIZED SWITCHGEAR X FLUSH SURFACE									
MINIMUM AIC RATING: 65 KA									
100% NEUTRAL BUS									
LOCK ON CIRCUIT									
SHUNT TRIP									
BRANCH CIRCUIT									
DEVICES	COND SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS)	NO.
								A B C	
1/2	12	15	1		FROZEN DELI FANS (B2)	121	1	305	2
1/2	12	15	1		FROZEN DELI A/S (B2)	572	3	1292	4
7	1/2	12	15	1	FROZEN DELI LITS (B2)	87	5	627	6
					DELI FREEZER COOLER LIGHTS	900	7	900	8
1/2	12	20	1		SELF CONTAINED DELI CASE	1480	9	2380	10
1/2	12	20	1		CAKE PRINTER	240	11	1140	12
1/2	12	20	1		CAKE MONITOR	240	13	840	14
1/2	12	20	1		DELI MONITOR RECEPT	240	15	840	16
1/2	12	20	1		BREADER	1080	17	1680	18
1/2	12	15	1		HOT CASE RECEPT	180	19	780	20
1/2	12	20	1		HOT CASE RECEPT	180	21	1680	22
1/2	10	15	1		INDUCTION OVEN	1800	23	3300	24
1/2	12	20	1		ISLAND CASE RECEPT	360	25	720	26
					SPARE	0	27	0	28
1/2	10	20	1		DELI CASE FANS (A22)	92	29	572	30
4	1/2	10	20	1	DELI CASE LIGHTS (A22)	495	31	1035	32
1/2	10	15	1		DELI CASE FANS (A23)	610	33	850	34
4	1/2	10	15	1	DELI CASE LIGHTS (A23)	828	35	828	36
					RTU-DB	6480	37	6720	38
1-4	4	60	3			6480	39	7020	40
						6480	41	6960	42
TOTALS PER PHASE						11300	14062	15107	
TOTAL CONNECTED LOAD (VA)						40,469			

NOTES: EXISTING PANEL EXISTING INFORMATION FROM FOOD LION ASBUILTS, ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS BOLD INDICATES NEW WORK
ELECTRICAL CONTRACTOR TO REMOVE DOUBLE TERMINATION ON BREAKER, *LOCK ON BREAKER
MODIFY CIRCUITS IN PANEL AS INDICATED, **ELECTRICAL CONTRACTOR TO MOVE ANY OFFICE/FRONT END CIRCUITS TO PANEL OW, COORDINATE WITH FOOD LION CS
SEE SHEET E6.04 ELECTRICAL DEFICIENCIES TO BE REPAIRED LIST FOR FURTHER BREAKER INFORMATION D-34,36,37

1
E4.01
1/4" = 1'-0"

DELI/BAKERY POWER PLAN