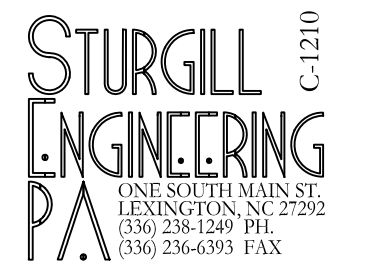


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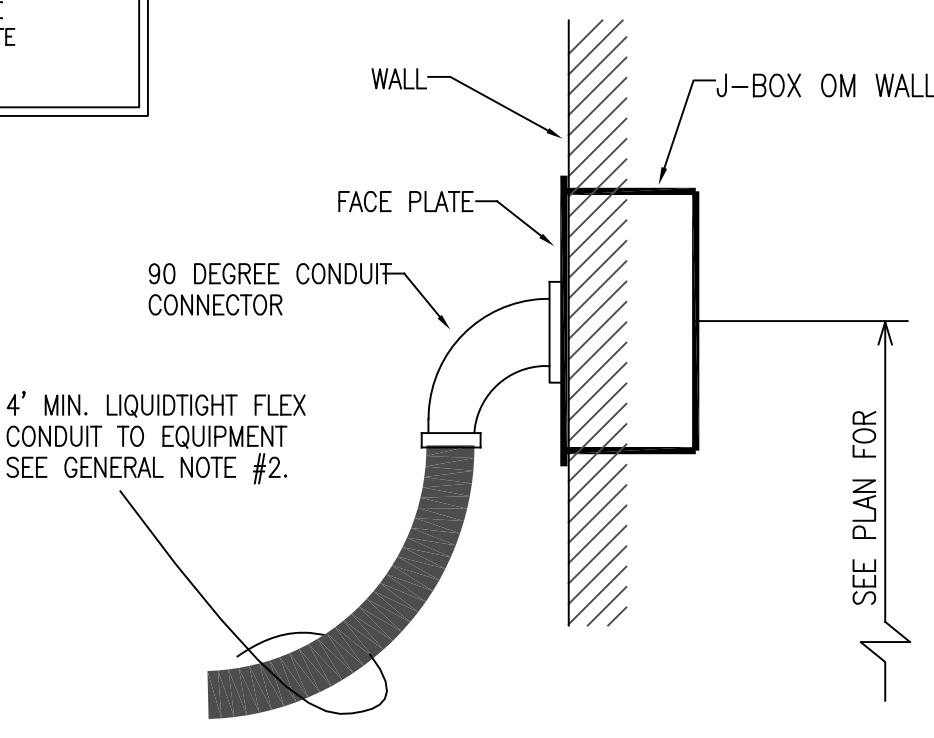


**FOOD LION  
STORE NO. 2654  
INTERIOR ALTERATIONS**  
610 East King Street | Kings Mountain, NC 28086

**LEGEND:**

- WP JUNCTION BOX
- GFI GROUND FAULT INTERRUPTING RECEPTACLE
- IG ISOLATED GROUND RECEPTACLE
- ⊕ 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)
- ⊖ SCAL 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.

- DELI/BAKERY POWER PLAN KEY NOTES (X)**
- 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 SHIFIT EXISTING BREAKERS AS REQUIRED TO FIT NEW LOADS IN PANELS.
  - VERIFY MOUNTING WITH FOOD LION CONSTRUCTION MANAGER. SCREENS WILL BE MOUNTED BACK TO BACK ABOVE CASE. POWER AND DATA SHALL BE RUN IN TWO CONDUITS UNDERSLAB TO UNDER CASE (ONE CONDUIT FOR POWER ONE FOR DATA, SEPARATE FROM CASE CONDUITS). DATA SHALL BE CAT-5e CABLES TO CASH OFFICE BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL REPLACE SEAL TIGHT FLEXIBLE CONDUIT AND FITTINGS FOR RTU-DB. (SEAL-TITE TYPE FLEX IS SPECIFIED, USE PROPER METAL FITTINGS).



**2**  
**E4.01**  
**POWER CONNECTION DETAIL**  
NOT TO SCALE

**PANEL: DB**  
LOCATION: DELI BAKERY  
FED FROM: MDP-1

VOLTAGE: 208Y/120 VOLT, 3PH, 4W, 60 Hz  
MAINS: 400 AMP X MLO  
AMP MAIN BREAKER: X  
SURFACE: X  
MINIMUM AIC RATING: 65 KA

E.M.S. LOAD	COND. SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS)			NO.	VOLT-AMPS	DESIGNATION	POLES	AMP TRIP	WIRE SIZE	COND. SIZE	E.M.S. LOAD	
								A	B	C									
-	3	80	3		D/B RTU	3720	1	4020		2	300	HOOD LIGHTS AND CONTROL	1	20	12	-	-		
-	3	80	3			3720	3	4696		4	976	HOOD FANS	1	20	12	-	-		
-	-	-	-	30	2	SPARE	0	7	240	8	240	BUG ZAPPER	1	20	12	-	-		
-	12	20	1		BUG ZAPPER	240	11	240	240	10	240	DELI SCALE	1	20	12	1/2	-		
-	8	70	3		ROTISSERIE OVEN	2767	13	3307	780	12	540	WRAPPER	1	20	12	1/2	-		
-	8	70	3			2767	15	2767	16	0		SPARE	1	20	-	-	-		
-	8	70	3			2767	17		2767	18	0	SPARE	1	20	-	-	-		
3/4	8	30	1		HOT CASE SPARE	0	19	2880	22	2880		WING BAR	3	30	10	1/2	-		
3/4	8	30	1		HOT CASE ISLAND	3588	21	6468	22	2880		(208Y/60, 24 AMPERES)	3	30	10	1/2	-		
-	-	-	-	1	SHUNT	0	23		2880	24	2880		1	20	-	-	-		
-	4	70	3		FRYER	5760	25	12804	26	7044		COMBITHERM	3	70	6	-	-		
-	4	70	3			5760	27	12804	28	7044			3	70	6	-	-		
-	-	-	-	1	SHUNT	0	31	0	32	0		BLANK	1	-	-	-	-		
-	4	60	3		FRYER	4560	33	4560	34	0		SPARE	1	20	-	-	-		
-	4	60	3			4560	35		4560	36	0	SPARE	1	20	-	-	-		
-	-	-	-	1	BLANK	0	39	0	40	0		BLANK	1	-	-	-	-		
-	-	-	-	1	BLANK	0	41	0	42	0		BLANK	1	-	-	-	-		
-	4/0	225	3		PANEL DA	2076		2076		42	0		1	-	-	-	-		
-	4/0	225	3			6552		6552					1	-	-	-	-		
-	4/0	225	3			4548			4548				1	-	-	-	-		
TOTALS PER PHASE								29887	38087	32059		TOTAL CONNECTED LOAD (VA)						100,032	
TOTALS AMPS PER PHASE								142	206	174	AT	120	VOLTS						

NOTES EXISTING PANEL EXISTING INFORMATION FROM FOOD LION ASBUILTS, ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS  
ELECTRICAL CONTRACTOR TO REMOVE ANY DOUBLE TERMINATION ON BREAKERS  
MODIFY CIRCUITS IN PANEL AS INDICATED  
SEE SHEET E6.04 ELECTRICAL DEFICIENCIES TO BE REPAIRED LIST FOR FURTHER BREAKER INFORMATION D-148

**PANEL: DBA**  
LOCATION: DELI BAKERY  
FED FROM: DB

VOLTAGE: 208Y/120 VOLT, 3PH, 4W, 60 Hz  
MAINS: 225 AMP X MLO  
AMP MAIN BREAKER: X  
SURFACE: X  
MINIMUM AIC RATING: 65 KA

E.M.S. LOAD	COND. SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS)			NO.	VOLT-AMPS	DESIGNATION	POLES	AMP TRIP	WIRE SIZE	COND. SIZE	E.M.S. LOAD	
								A	B	C									
1/2	12	20	1		DELI MONITOR RECPY	240	1	480		2	240	CAKE COMPUTER	1	20	12	1/2	-		
-	-	-	-	20	1	SPARE	0	3	240	4	240	CAKE PRINTER	1	20	12	1/2	-		
-	-	-	-	20	1	SPARE	0	5		6	0	SPARE	1	20	-	-	-		
-	-	-	-	20	1	SPARE	0	7	180	8	180	DELI RECPY	1	20	12	-	-		
1/2	12	20	1		RACK OVEN CONTROL	600	9	840	10	240		DELI SCALE RECPY	1	20	12	1/2	-		
-	12	20	1		RECPY BY DESK BUG ZAPPER	240	11		780	12	540	DELI SLICER RECPY	1	20	12	1/2	-		
6	1/2	12	20	1	DELI CASE LIGHTS	(A2)	876	13	1416	14	540	BREAD SLICER	1	20	12	1/2	-		
1/2	12	20	1		DELI CASE FANS	(A2)	672	15	1080	16	1080	REFRIG. TABLE	1	20	12	1/2	-		
1/2	12	20	1		DELI CASE A/S	(A2)	48	17		48	18	0	SPARE	1	20	-	-		
-	-	-	-	20	1	SPARE	0	19	0	20	0	SPARE	1	20	-	-	-		
-	-	-	-	1	BLANK	0	21	0	22	0		SPARE	1	20	-	-	-		
-	-	-	-	1	BLANK	0	23	0	24	0		SPARE	1	20	-	-	-		
-	-	-	-	30	3	SPARE	0	25	0	26	0	SPARE	1	20	-	-	-		
-	-	-	-	30	3		3720	27	3720	28	0	SPARE	1	20	-	-	-		
-	-	-	-	30	3		3720	29		30	0	SPARE	1	20	-	-	-		
TOTALS PER PHASE								2076	4552	4548		TOTAL CONNECTED LOAD (VA)						13,176	
TOTALS AMPS PER PHASE								17	55	38	AT	120	VOLTS						

NOTES EXISTING PANEL EXISTING INFORMATION FROM FOOD LION ASBUILTS, ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS  
ELECTRICAL CONTRACTOR TO REMOVE ANY DOUBLE TERMINATION ON BREAKER  
MODIFY CIRCUITS IN PANEL AS INDICATED  
SEE SHEET E6.04 ELECTRICAL DEFICIENCIES TO BE REPAIRED LIST FOR FURTHER BREAKER INFORMATION D-145

- 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: X  
(2) CONDUCTOR (RED & GREEN) - FOR DEFROST TERMINATION, INDICATED AS: X
  - 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 E1.02 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.
  - 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 MANAGER.
  - REMOVAL/RELOCATION OF ECOLAB FLY TRAPS IS TO BE COORDINATED WITH VENDOR VIA FOOD LION CONSTRUCTION MANAGER. EC TO PROVIDE POWER.

**1**  
**E4.01**  
**DELI/BAKERY POWER PLAN**  
1/4" = 1'-0"

