VA	SERVICE	WIRE	MOPD	CIR.
EXIST.	B2 LIGHTS	EXIST.	15/1	1
EXIST.	B2 FANS	EXIST.	15/1	3
EXIST.	B2 A/S	EXIST.	15/1	5
–	SPARE	–	20/1	7
EXIST.	GFCI OVER SINK BY WALL	EXIST.	20/1	9
–	SPARE	–	20/1	11
–	SPARE	–	15/1	13
EXIST.	A7 LIGHTS	EXIST.	15/1	15
–	SPARE	–	15/1	17
–	SPARE	–	15/1	19
286	**A6 SELF SERVICE COLD DELI LIGHTS**	**12**	20/1	21
142	**A6 SELF SERVICE COLD DELI FANS**	**12**	20/1	23
EXIST.	EXISTING LOAD – NOT LABELED	EXIST.	20/1	25
230	**A9 COLD DELI/BAKERY FANS**	**12**	20/1	27
355	**A9 COLD DELI/BAKERY LIGHTS**	**12**	20/1	29
EXIST.	RECEPT ON T WALL BY HOOD CONTROLS	EXIST.	20/1	31
–	SPARE	–	15/1	33
–	SHUNT	–	–	35
EXIST.	RTU DELI/BAKERY	EXIST.	60/3	37
EXIST.				39
EXIST.				41

CIR.	MOPD	WIRE	SERVICE	VA
2	15/1	EXIST.	A1 FAND D/B COOLER	EXIST.
4	20/1	EXIST.	WRAPPING MACHINE	EXIST.
6	20/1	EXIST.	GFCI/EYEWASH & RECEPT BY TOWELS	EXIST.
8	20/1	EXIST.	RECEPT BY PANEL	EXIST.
10	20/1	EXIST.	FLY TRAP RECEPT NEAR REAR CORNER	EXIST.
12	20/1	**12**	**BREAD SLICER**	**500**
14	20/1	**12**	**MANUAL SLICER CASE RCPT**	**440**
16	20/1	EXIST.	EXISTING LOAD – NOT LABELED	EXIST.
18	20/1	**12**	**PHOTO CAKE**	**180**
20	15/1	**12**	**D/B MENU BOARD RCPTS**	**360**
22	15/1	**12**	**A7 SELF SERVICE COLD DELI LIGHTS**	**566**
24	15/1	**12**	**A7 SELF SERVICE COLD DELI FANS**	**252**
26	15/1	EXIST.	EXISTING LOAD – NOT LABELED	EXIST.
28	**30/1**	**10**	**HOT ISLAND (NOTE 1)**	**2870**
30	15/1	EXIST.	GFCI BEHIND BREAD SLICER	EXIST.
32	15/1	–	SPARE	–
34	15/1	**12**	**SCALES**	**540**
36	15/1	EXIST.	GFCI FOR SCALE/BREAD SLICER	EXIST.
38				EXIST.
40	30/3	EXIST.	**WING BAR (RELOCATED)**	EXIST.
42				EXIST.

LOCATION : DELI/BAKERY

PANEL MOUNTING : FLUSH

SERVICE : 120/208 V, 3PH , 4 WIRE, AC, FULL NEUTRAL

MAINS : 225 AMP M.L.O.

BRANCHES : AS NOTED

CABINET : EXISTING

NOTES:

1. REPLACE EXISTING BREAKER THAT BECAME AVAILABLE VIA DEMOLITION WITH NEW AS INDICATED. TYPE AND AIC RATING TO MATCH EXISTING. VERIFY CONDITIONS AND BREAKER AVAILABILITY PRIOR TO BID.

EXISTING DEMAND LOAD =	30385 VA
NET ADDED LOAD =	**3410 VA**
TOTAL =	**33795 VA**
	(93.9 AMPS)

EXISTING PANEL

VA	SERVICE	WIRE	MOPD	CIR.
–	NOT USEABLE	–	–	1
–	NOT USEABLE	–	–	3
–	NOT USEABLE	–	–	5
–	SHUNT	–	–	7
–				9
–	**SPARE**	–	50/3	11
–				13
EXIST.	COOLER	EXIST.	15/1	15
–	SPARE	–	20/1	17
–	SPARE	–	20/1	19
2371	**SELF CONTAINED ROUND ISLAND (NEW BRKR – NOTE 1)**	**8**	**30/2**	21
2371				23
EXIST.				25
EXIST.	RACK OVEN	EXIST.	90/3	27
EXIST.				29
–				31
–	**SPARE**	–	50/3	33
–				35
–	SPARE	–	20/1	37
EXIST.	RACK OVEN CONTROL	EXIST.	20/1	39
–	SPARE	–	20/1	41

CIR.	MOPD	WIRE	SERVICE	VA
2	20/1	EXIST.	MOP AREA RECEPT	EXIST.
4	20/1	EXIST.	MOP AREA RECEPT	EXIST.
6				EXIST.
8	40/3	EXIST.	**FRYER (RELOCATED)**	EXIST.
10				EXIST.
12	–	–	SHUNT	–
14				EXIST.
16	70/3	EXIST.	**FRYER (RELOCATED)**	EXIST.
18				EXIST.
20	–	–	SHUNT	–
22				**5723**
24	**70/3**	**4**	**CTP7–20E COMBITHERM OVEN (NEW BRKR – NOTE 1)**	**5723**
26				**5723**
28	–	–	SHUNT	–
30	20/1	–	SPARE	–
32				EXIST.
34	70/3	EXIST.	WATER HEATER	EXIST.
36				EXIST.
38	30/2	EXIST.	DELI HOOD EXHAUST FANS	EXIST.
40				EXIST.
42	20/1	EXIST.	DELI HOOD CONTROLS	EXIST.

LOCATION : DELI/BAKERY

PANEL MOUNTING : FLUSH

SERVICE : 120/208 V, 3PH , 4 WIRE, AC, FULL NEUTRAL

MAINS : 400 AMP M.L.O.

BRANCHES : AS NOTED

CABINET : EXISTING

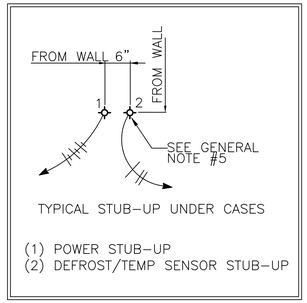
NOTES:

1. REPLACE EXISTING BREAKER THAT BECAME AVAILABLE VIA DEMOLITION WITH NEW AS INDICATED. TYPE AND AIC RATING TO MATCH EXISTING. VERIFY CONDITIONS AND BREAKER AVAILABILITY PRIOR TO BID.

NEW WORK SHOWN BOLD

EXISTING DEMAND LOAD =	112170 VA
REMOVED LOAD =	**–(45825) VA**
ADDED LOAD =	**21911 VA**
TOTAL =	**88256 VA**
	(245.2 AMPS)

EXISTING PANEL

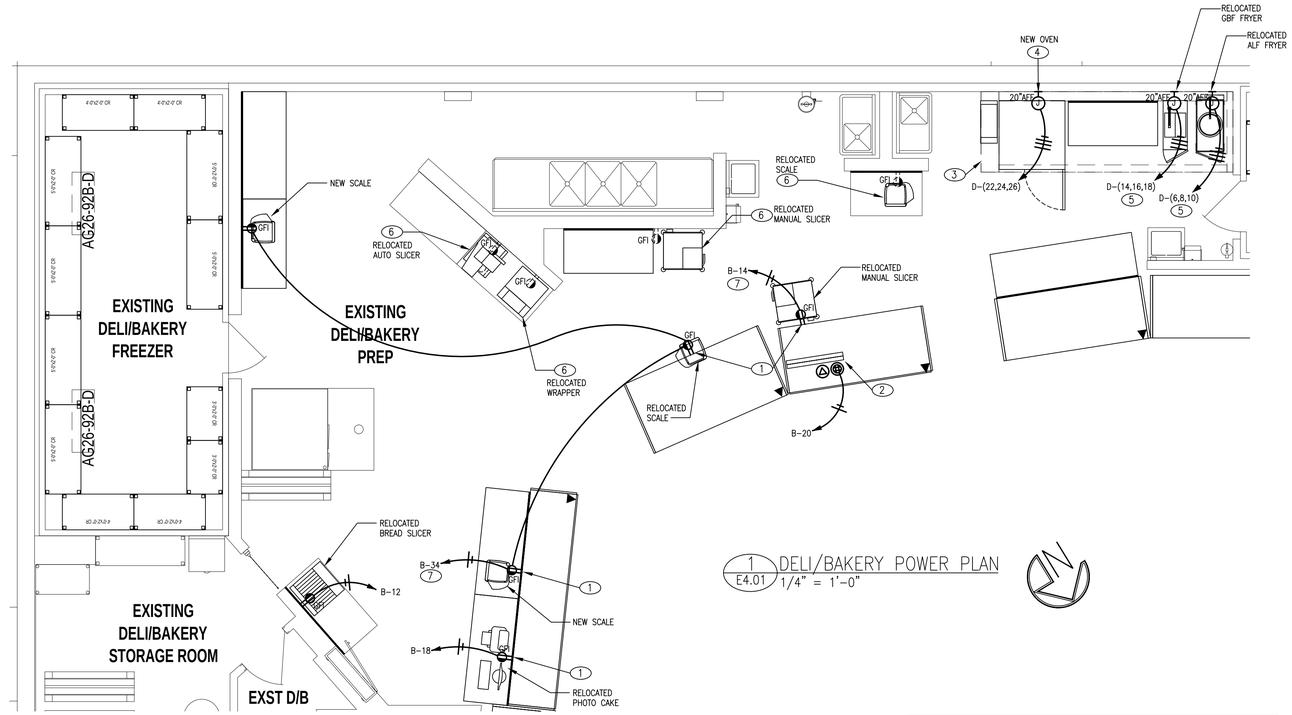


TYPICAL STUB–UP UNDER CASES

(1) POWER STUB–UP
(2) DEFROST/TEMP SENSOR STUB–UP

DELI/BAKERY POWER PLAN KEYED NOTES

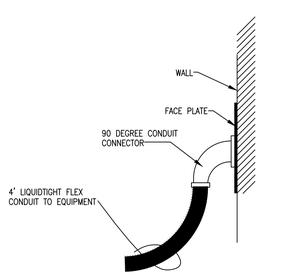
1. MOUNT DEVICE TO BACK OF REFRIGERATED CASE. COORDINATE EXACT LOCATION AND CONDUIT ROUTING REQUIREMENTS WITH CASE INSTALLATION.
2. THE GC'S ELECTRICIAN WILL PROVIDE JUNCTION BOX AND DUPLEX OUTLET IN CEILING. THE JUNCTION BOX WILL BE INSTALLED, THEN MACRO INSTALLS BRACKET AND VERIFIES LOCATION/PROPER WORKING. THEN ELECTRICIAN INSTALLS JUNCTION BOX AND PROVIDES DIRTY POWER TO THE DUPLEX OUTLET IN THE CEILING OF THE DELI BAKERY PREP. MACRO WILL PULL CAT 5. COORDINATE THE LOCATION OF THE WITH THE LOCATION OF THE DELI MONITORS AS SHOWN ON SHEETS A1.01/A4.01.
3. EQUIPMENT UNDER EXHAUST HOOD TO BE FED FROM SHUNT TRIP TYPE BREAKER TIED TO HOOD FIRE SYSTEM FOR AUTOMATIC SHUT–DOWN UPON SYSTEM ACTIVATION. SEE EXHAUST HOOD CONTROL PANEL NOTES ON THIS SHEET.
4. CTP7–20E COMBITHERM OVEN (ECO STANDARD). 208V,3PH,17.17KW.
5. EXTEND EXISTING CIRCUITRY FOR RELOCATED EQUIPMENT. FIELD VERIFY EXACT CIRCUIT NUMBERS AS THE EXISTING PANEL DIRECTORIES ARE NOTE 100% ACCURATE. ELECTRICAL CONTRACTOR SHALL TRACE EXISTING CIRCUIT AND LABEL CORRECTLY IN PANEL.
6. RE–USE EXISTING KNEE WALL RECEPTACLE CIRCUIT THAT BECAME AVAILABLE VIA DEMOLITION. EC TO VERIFY CIRCUIT NUMBERS AS EXISTING PANEL SCHEDULES ARE NOT 100% ACCURATE.
7. RE–USE EXISTING CIRCUITRY THAT BECAME AVAILABLE VIA DEMOLITION. FIELD VERIFY EXACT CIRCUIT NUMBERS AS THE EXISTING PANEL DIRECTORIES ARE NOTE 100% ACCURATE. ELECTRICAL CONTRACTOR SHALL TRACE EXISTING CIRCUIT AND LABEL CORRECTLY IN PANEL.



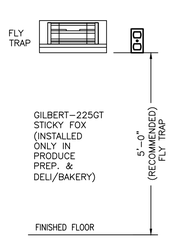
1 E4.01 DELI/BAKERY POWER PLAN
1/4" = 1'–0"

LEGEND:

	JUNCTION BOX
WP	WEATHERPROOF DUPLEX RECEPTACLE
GFI	GROUND FAULT INTERRUPTING RECEPTACLE
IG	ISOLATED GROUND RECEPTACLE
	RECEPTACLE MOUNTED ABOVE COUNTER HEIGHT
	TELE/DATA OUTLET. FLUSH MOUNTED BOX W/ CONDUIT TO ABOVE CEILING AND CAT–5 TO TELEPHONE BACKBOARD UNLESS INDICATED OTHERWISE.
	TELE/DATA OUTLET. CEILING MOUNTED. ROUTE CONDUIT TO ABOVE CEILING AND CAT–5 TO WORK ROOM.
	CEILING MOUNTED QUAD RECEPTACLE.
	SPECIAL USE RECEPTACLE. VOLTAGE, PHASE AND AMPERAGE BASED ON LOAD SERVED. COORDINATE NEMA CONFIGURATION WITH EQUIPMENT REQUIREMENTS.
	FLOOR STUB UP (REUSE EXISTING WHERE POSSIBLE)
	DISCONNECT SWITCH–TYPE AS NOTED
	ELECTRICAL DROP FROM OVERHEAD
	EXISTING ELECTRICAL STUB–UP
XX	REFRIGERATION CIRCUIT NUMBER
	POWER POLE (SEE POWER POLE NOTES ON SHEET E4.04)
	ELECTRICAL CONNECTION UNDER CASE. RUN CONDUITS OVERHEAD WITH REFRIGERATION PIPING UNLESS INDICATED OTHERWISE. COORDINATE ROUTING WITH THE FOOD LION CONSTRUCTION SUPERVISOR.



2 E4.01 POWER CONNECTION DETAIL
N.T.S.



3 E4.01 FLY TRAP DETAIL
N.T.S.

NOTE:
VERIFY THAT SCALES ARE FED FROM A CIRCUIT THAT IS ENERGIZED CONTINUOUSLY (NOT CONTROLLED BY THE ENERGY MGMT SYSTEM)

EMS REMODEL NOTES
1. ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE CT'S FOR THE COOKING EQUIPMENT UNDER THE KITCHEN HOOD. THE CONTROL WIRING FOR THE CT'S WILL BE TAKEN FROM THE HOOD CONTROL PANEL TERMINALS L4 AND L4A (2 #14) AND WIRED IN PARALLEL SO THAT THE HOOD FANS RUN WITH THE EQUIPMENT. CONTACT SESCO PARTS FOR THE NUMBER OF CT'S REQUIRED KEEPING IN MIND THAT ONE CT CAN BE USED ON MORE THAN ONE PIECE OF EQUIPMENT DEPENDING ON WIRE SIZE. CONTACT SESCO COMMISSIONING WITH ANY QUESTIONS.

SPECIAL REPAIR NOTES

D–XX INDICATES CRESCENT CONSTRUCTION SERVICES REPORT DEFICIENCY. SEE SHEET E6.03 FOR LIST OF CRESCENT REPAIR NOTES.

NOTE:
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.

NOTE:
ALL SINGLE PHASE RECEPTACLES UP TO 50 AMP AND THREE PHASE RECEPTACLES UP TO 100 AMP INSTALLED IN COMMERCIAL KITCHENS OR WITHIN 6' OF THE OUTSIDE EDGE OF A SINK TO HAVE GFCI PROTECTION PER NEC 210.8(B)(2)&(5).

NOTE:
SEE SHEET E1.03 FOR REFRIGERATED CASE ELECTRICAL CONNECTIONS.

NOTE:
COORDINATE REMOVAL/REPLACEMENT OF REFRIGERATED CASES WITH THE REFRIGERATION CONTRACTOR AND THE FOOD LION CONSTRUCTION SUPERVISOR.

GENERAL NOTES:

1. SEE MECHANICAL DRAWINGS FOR KITCHEN HOOD SCHEDULE. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS TO EXHAUST FAN, LIGHT, & SWITCHES.
2. PROVIDE SEAL–TITE FLEX ON ALL DELI/BAKERY EQUIPMENT/CASES: 3 FT. (MIN.) ON FLOOR CIRCUITS AND 4 FT. (MIN.) ON WALL CIRCUITS.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING FOR SHUNT TRIP SYSTEM AT EXHAUST HOOD AND EQUIPMENT.
4. PROVIDE 1'–0" OF FLEX CONDUIT AND A 2"X4" BOX WITH A DUPLEX RECEPTACLE.
5. (1) 4–CONDUCTOR SHIELDED CABLE (#22 AWG OR LARGER) (2) CONDUCTOR (BLACK & WHITE) – FOR TEMPERATURE SENSOR, INDICATED AS: X
6. (2) CONDUCTOR (RED & GREEN) – FOR DEFROST TERMINATION, INDICATED AS: X
7. DIMENSIONS ARE SHOWN FROM INTERIOR SURFACE OF EXTERIOR MASONRY BUILDING WALLS.
8. MOUNT FLY TRAPS AT 5'–0" ABOVE THE FINISHED FLOOR IN THE DELI/BAKERY AND PRODUCE PREP.
9. SEE SHEET E4.04 FOR TELEPOLE INFORMATION.
10. 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 FIRST QUALITY WORK WILL BE ALLOWED.
11. ALL BRANCH CIRCUIT PANELBOARDS SHALL BE VACUUMED. ALL ELECTRICAL ENCLOSURE COVERS SHALL BE INSTALLED AND ADEQUATELY SECURED TO OBTAIN PROJECT CLOSE OUT.
12. 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.
13. SCALES SHALL BE FED FROM A CIRCUIT THAT IS CONTINUOUSLY ENERGIZED (NOT CONTROLLED BY THE ENERGY MGMT SYSTEM).
14. REMOVAL/RELOCATION OF ECOLAB FLY TRAPS IS TO BE COORDINATED WITH VENDOR VIA FOOD LION CONSTRUCTION MANAGER. EC TO PROVIDE POWER.

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CHECKED BY: HCK
PROJECT NO: 23043

FOOD LION

2110 EXECUTIVE DRIVE
SALISBURY, NC 28145
PH: 704–633–8250 FX: 704–636–4940

REVISION / ISSUE HISTORY

REV	DATE	REVISION / ISSUE NAME
	04/14/2023	PERMIT

PROJECT NO 2220380	DRAWN BY KAK
PERMIT SUB DATE 04/14/2023	CHECKED BY HCK

PROJECT
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SPRING LAKE, NC 28390
2594FLMK23

CLIENT
FOOD LION

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SHEET TITLE
ENLARGED DELI/BAKERY ELECTRICAL PLAN

SHEET NO 2594 E4.01_00
E4.01

REV