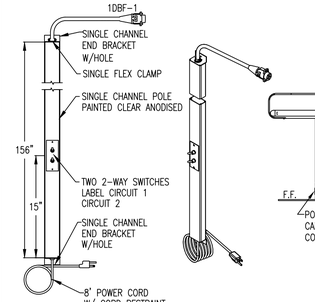
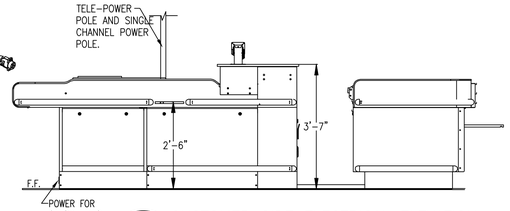
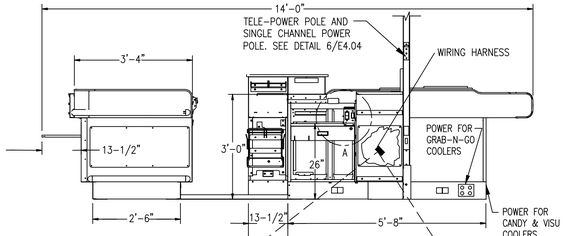


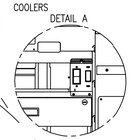
6 / E4.04 SINGLE CHANNEL POWER POLE
NTS

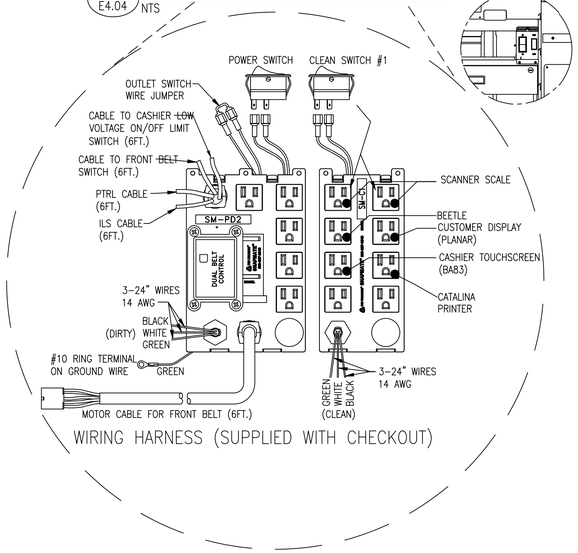


7 / E4.04 CUSTOMER SIDE ELECTRICAL ELEVATION
NTS



3 / E4.04 ASSOCIATE SIDE ELECTRICAL ELEVATION
NTS





WIRING HARNESS (SUPPLIED WITH CHECKOUT)

CHECKOUT INSTALLATION NOTES

1. MOUNT QUAD OUTLET FLUSH IN THE CHECKOUT STAND FOR THE VISU COOLER(S) AND LED CANDY RACK LIGHTING AT THIS LOCATION. RECEPTACLE TO BE MOUNTED 1'-4" A.F.F. IN THE SIDE NEAREST THE CASHIER AND ACCESSIBLE TO THE VISU COOLER CONNECTION. FACE PLATE TO BE PAINTED TO MATCH CHECKOUT STAND COLOR. COORDINATE LOCATION WITH PRE-WIRED CONTROLS MOUNTED INSIDE THE CHECKOUT.
2. CASH REGISTER CIRCUITS SHALL BE PROVIDED WITH DEDICATED NEUTRAL AND GREEN ISOLATED GROUND.
3. BX CABLES SHALL BE INSTALLED WITH INSULATED THROATS AND APPROVED CONNECTORS.
4. ELECTRICAL CONTRACTOR SHALL LEAVE A PULL STRING IN CEILING J-BOX AT COMMUNICATIONS SECTION OF "TELE-POWER" POLE FROM THE COMMUNICATION JUNCTION BOX TO EACH CHECKOUT FOR USE BY OTHERS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE TELEPOLE LOCATIONS WITH LIGHTING & HVAC PRIOR TO INSTALLATION TO MINIMIZE INSTALLATION CONFLICTS.
6. ALL DUCT AND FITTINGS SHALL MEET ALL N.E.C. REQUIREMENTS AND SHALL BE U.L. LISTED.
7. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE GROUNDING OF CHECKOUT COMMUNICATION LOOP TO THE NEAREST COLD WATER PIPE.

EMS	VA	SERVICE	WIRE	MOPD	CIR.	OW	CIR.	MOPD	WIRE	SERVICE	VA	EMS
–	**1080**	**REGISTERS 1 & 2 DIRTY POWER**	**12**	20/1	1		2	20/1	EXIST.	TOGO MONITOR	EXIST.	–
–	**1080**	**REGISTERS 3 & 4 DIRTY POWER**	**12**	20/1	3		4	20/1	EXIST.	RECEPT BY ICE MACHINE	EXIST.	–
–	EXIST.	RIGHT SIDE SLIDING DOOR	EXIST.	20/1	5		6	20/1	EXIST.	**ICE MACHINE (RELOCATED)**	EXIST.	–
–	EXIST.	LEFT SIDE SLIDING DOOR	EXIST.	20/1	7		8	20/1	EXIST.	WORK ROOM RECEPT	EXIST.	–
–	EXIST.	REC BY COMP/SAFE RM/FRNT DOOR	EXIST.	20/1	9		10	20/1	EXIST.	WORK ROOM RECEPT	EXIST.	–
–	EXIST.	RECEPT IN OW/CR PANEL ROOM	EXIST.	20/1	11		12	20/1	EXIST.	WORK ROOM RECEPT	EXIST.	–
–	EXIST.	RIGHT SIDE SLIDING DOOR	EXIST.	20/1	13		14	20/1	EXIST.	3 REC ON RIGHT WALL / WORK RM	EXIST.	–
–	EXIST.	RIGHT SIDE SLIDING DOOR	EXIST.	20/1	15		16	20/1	EXIST.	SPRINKLER ALARM	EXIST.	–
–	EXIST.	EXISTING LOAD – NOT LABELED	EXIST.	20/1	17		18	20/1	EXIST.	SAFE	EXIST.	–
–	EXIST.	SECURITY CAM MONITOR	EXIST.	20/1	19		20	20/1	EXIST.	**COIN STAR (RELOCATED)**	EXIST.	–
–	**720**	**CUSTOMER SERVICE COUNTER**	**12**	20/1	21		22	20/1	EXIST.	RECEPT BEHIND BOTTLED WATER	EXIST.	–
–	**1080**	**REGISTERS 5 & 6 DIRTY POWER**	**12**	20/1	23		24	20/1	EXIST.	DATA CAB	EXIST.	–
–	**1080**	**SELF CHECKOUT HALF WALL RCPTS**	**12**	20/1	25		26	20/1	EXIST.	**LOTTO (RELOCATED)**	EXIST.	–
–	**720**	**SELF CHECKOUT HALF WALL RCPTS**	**12**	20/1	27		28	20/1	EXIST.	**TOGO FRIDGE (RELOCATED)**	EXIST.	–
–	**792**	**GRAB AND GO COOLERS**	**12**	20/1	29		30	20/1	EXIST.	**TOGO FREEZER (RELOCATED)**	EXIST.	–
–	**792**	**GRAB AND GO COOLERS**	**12**	20/1	31		32	20/1	EXIST.	EXISTING LOAD – NOT LABELED	EXIST.	–
–	**792**	**GRAB AND GO COOLERS**	**12**	20/1	33		34	20/1	**12**	**FL2GO DESK**	**360**	–
–	**792**	**GRAB AND GO COOLERS**	**12**	20/1	35		36	20/1	EXIST.	**MART CART (RELOCATED)**	EXIST.	–
–	EXIST.	**RUG DOCTOR (RELOCATED)**	EXIST.	20/1	37		38	20/1	EXIST.	COUPON CENTER	EXIST.	–
–	EXIST.	RECEPT BY ICE MACHINE	EXIST.	20/1	39		40	20/1	**12**	**FL2GO DESK**	**720**	–
–	**720**	**CUSTOMER SERVICE COUNTER**	**12**	20/1	41		42	20/1	EXIST.	MART CART	EXIST.	–

A B C

D-47

LOCATION : WORK ROOM
PANEL MOUNTING : FLUSH
SERVICE : 120/208 V, 3PH , 4 WIRE, AC, FULL NEUTRAL
MAINS : 225 AMP M.L.O.
CABINET : EXISTING

NEW WORK SHOWN BOLD

EXISTING PANEL

EXISTING DEMAND LOAD =	28560	VA
NET ADDED LOAD =	**1800**	**VA**
TOTAL =	**30360**	**VA**
	(84.3 AMPS)	

EMS	VA	SERVICE	WIRE	MOPD	CIR.	CR	CIR.	MOPD	WIRE	SERVICE	VA	EMS
–	**360**	**REGISTER #1**	**12**	20/1	1		2	15/1	**12**	**REGISTER #2**	**360**	–
–	**360**	**REGISTER #3**	**12**	20/1	3		4	15/1	**12**	**REGISTER #4**	**360**	–
–	**360**	**USCAN #54**	**12**	15/1	5		6	15/1	**12**	**USCAN #55**	**360**	–
–	**360**	**REGISTER #6**	**12**	15/1	7		8	15/1	EXIST.	EXISTING LOAD – NOT LABELED	EXIST.	–
–	**360**	**USCAN #52**	**12**	15/1	9		10	15/1	EXIST.	COMPUTER IN SAFE ROOM / MUZAK	EXIST.	–
–	**360**	**USCAN #53**	**12**	15/1	11		12	15/1	**12**	**REGISTER #5**	**360**	–
–	**360**	**USCAN #51**	**12**	15/1	13		14	15/1	**12**	**PARAGON RECYCLER**	**240**	–
–	EXIST.	SATELITE	EXIST.	15/1	15		16	15/1	EXIST.	DSD STATION	EXIST.	–
–	EXIST.	WINDOWS WORK STATION	EXIST.	15/1	17		18	15/1	EXIST.	COMPUTER IN SAFE ROOM	EXIST.	–
–	**540**	**CUSTOMER SERVICE COUNTER**	**12**	15/1	19		20	15/1	–	**SPARE**	–	–
–	EXIST.	DATA CABINET	EXIST.	15/1	21		22	15/1	EXIST.	T/A STATION	EXIST.	–
–	EXIST.	DATA CABINET	EXIST.	15/1	23		24	15/1	EXIST.	DEPARTMENT MANAGER OFFICE RECEPT	EXIST.	–

L1 L2

D-47

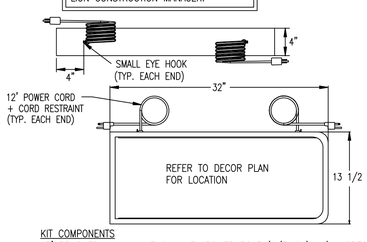
LOCATION : WORK ROOM
PANEL MOUNTING : FLUSH
SERVICE : 120/208 V, 1PH , 3 WIRE, ISOLATED GND
MAINS : 125 AMP M.L.O.
CABINET : EXISTING
FED FROM: MDP3 (50A)
(THRU 9KVA UPS)

NEW WORK SHOWN BOLD

EXISTING PANEL

EXISTING DEMAND LOAD =	5720	VA
ADDED LOAD =	**1320**	**VA**
TOTAL =	**7040**	**VA**
	(33.8 AMPS)	

NOTE: STAND LIGHTS PROVIDED BY GENERAL CONTRACTOR. CONTACT : SOUTHEASTERN PRODUCTS 1-800-237-3944 FOR WIRING REQUIREMENTS COORDINATE WITH FOOD LION CONSTRUCTION MANAGER.



KIT COMPONENTS
13' BRUSHED ALUM. HALF-CHANNEL POWER POLE (6/E4.04) W/UL-SPECIFIED CONNECTOR.
CUSTOM LED HANGING SIGN W/BLUE ALUM. BODY.
SPLIT-CIRCUIT DUPLEX RECEPTACLE W/UL-*SPECIFIED CONNECTORS.
4' EXTENDER CABLE W/UL-SPECIFIED CONNECTORS.

5 / E4.04 LED CHECKOUT LANE LIGHT
NTS

CHECKOUT WIRING LEGEND

- DIRTY CIRCUIT No. 1 (BELT MOTOR, STAND LIGHT, GENERAL RECEPTACLES)
- POWER FOR VISU COOLER(S) AND CANDY MERCHANDISER LIGHTS
- CLEAN CIRCUIT No. 1 (REGISTER, CATALINA, DEBIT CARD, SCANNER AND SCALE, SPARE RECEPTACLE)
- COMMUNICATIONS CABLING

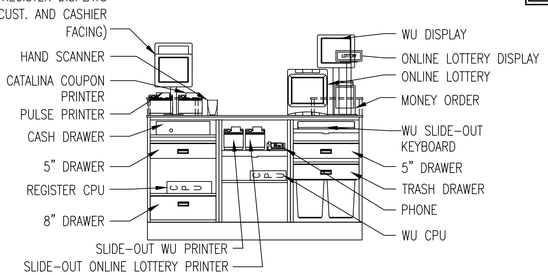
KEYED NOTES

1. FRONT-END SET TEAM (FOOD LION VENDOR) SHALL PROVIDE POWER AND PULL (2) CAT-5 UNSHIELDED ETHERNET CABLES PER REGISTER (REGISTER CPU & CATALINA PRINTER) SEE A1.01. COIL 15'-0" OF EXTRA CABLE AT EACH END FOR CONNECTION BY OTHERS (MACRO).
2. 21", 1 DOOR VISU COOLER. 120V, 2.2 AMPS, CORD W/ NEMA 5-15 PLUG.
3. ROUTE PARTIAL HEIGHT WALL CIRCUITS THROUGH POWER POLE TO ABOVE CEILING.
4. VERIFY DEVICE MOUNTING HEIGHTS, LOCATIONS AND REQUIREMENTS FOR CUSTOMER SERVICE COUNTER. ROUTE CIRCUITRY AND COMMUNICATIONS CABLING THROUGH TELE/POWER POLE.
5. 3' 2 DOOR VISU COOLER. 120V, 3.3 AMPS, 9' CORD W/ NEMA 5-15 PLUG.
6. EXTEND CIRCUITS MADE SPARE BY DEMOLITION OF EXISTING CHECKSTANDS AND ASSOCIATED VISU COOLERS. LOADS TO REMAIN UNCHANGED. ISOLATED GROUND REGISTER CIRCUITS OUT OF PANEL "CR", BELT, LIGHT, AND COOLER CIRCUITS OUT OF PANEL "OW". FIELD VERIFY CIRCUIT NUMBERS.

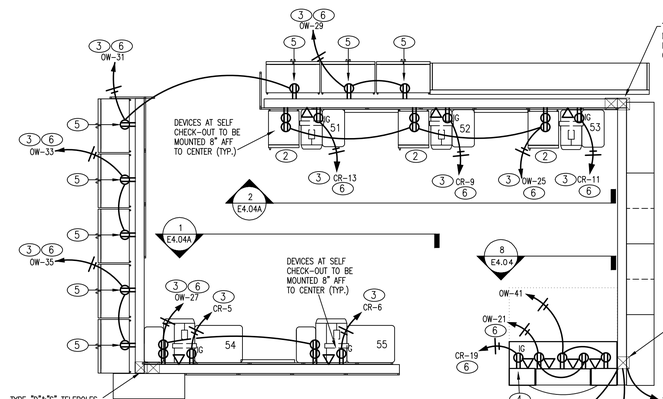
NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE POWER AND CAT-5 COMMUNICATIONS CABLING TO ALL FRONT-END SERVICES UNLESS NOTED OTHERWISE.

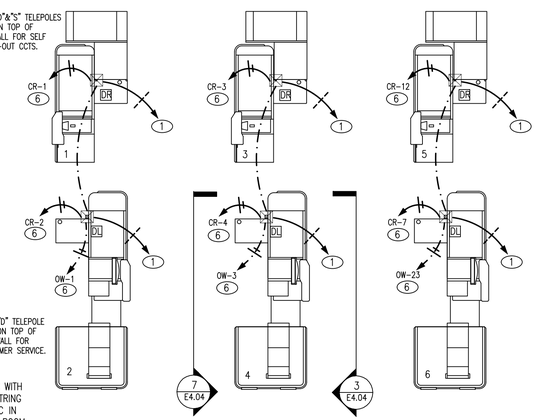
ALL CAT-5 CABLE SHALL BE BELDEN 1212 CMR CAT-5E 4 PAIR 24 AWG (BELDEN 1200 DATATWIST CABEL SERIES)

ALL CAT 5 CABLE TO BE INSTALLED IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.



8 / E4.04 CUSTOMER SERVICE KIOSK ELECTRICAL ELEVATION
NTS





1 / E4.04 ENLARGED CHECKSTAND POWER/COMMUNICATIONS PLAN
1/4" = 1'-0"

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ARCHITECT/ENGINEER SEAL

NORTH CAROLINA REGISTERED SEAL 19065 ENGINEER HUBERT C. KENNEDY JR. 04/14/23

CONSULTANT

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ELECTRICAL ENGINEERS
212 N. McDOWELL – SUITE 100
P.O. BOX 37291
CHARLOTTE, NORTH CAROLINA 28237
(704) 333-6590 FAX (704) 343-0075
DRAWN BY: KAK
CHECKED BY: HK
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	DRAWN BY
2220380	KAK
PERMIT SUB DATE	CHECKED BY
04/14/2023	HCK

PROJECT
FOOD LION STORE #2594

3260 RAY ROAD
SPRING LAKE, NC 28390
2594FLMK23

CLIENT
FOOD LION

2110 EXECUTIVE DRIVE
SALISBURY, NC 28145
PH: 704-633-8250 F: 704-636-5940

SHEET TITLE
CUSTOMER SERVICE AND CHECKOUT PLAN

SHEET NO 2594 E4.04_00
E4.04

REV