CAT 5 RISER NOTES:

- · (#) CIRCLE INDICATES THE NUMBER OF CABLES, SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED (SEE NOTE #4). CABLE SHALL BE CAT 5 UNSHIELDED ETHERNET. COIL AND SECURE 15'-0" OF SLACK FOR ALL CABLE ENDS.
- 2. ALL CABLE ENDS SHALL BE LABELED PER RISER DIAGRAM.
- 3. ALL CABLE ENDS SHALL BE NUMBERED. DO NOT REUSE NUMBERS.
- 4. FRONT-END SET TEAM (FOOD LION VENDOR) TO PROVIDE POWER AND PULL 2 CAT-5 PVC-COATED UNSHIELDED ETHERNET CABLES PER REGISTER (REGISTER CPU & CATALINA PRINTER); SEE A1.01. COIL 15'-0" OF EXTRA CAT-5 CABLE AT EACH END FOR CONNECTION BY OTHERS ("MACRO").
- . FRONT-END SET TEAM (FOOD LION VENDOR) TO PROVIDE POWER AND CAT-5 CABLES TO ALL CUSTOMER SERVICE COUNTER EQUIPMENT.
- 6. ELECTRICAL CONTRACTOR TO PROVIDE POWER AND CAT-5 CABLES FOR ALL OTHER FRONT-END SERVICES.
- . ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE FOOD LION CONSTRUCTION MANAGER AND TELEPHONE RISER DIAGRAM PRIOR TO BEGINNING WORK TO PREVENT PULLING DUPLICATE OR UNNECESSARY RUNS.
- 8. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOCAL LOTTERY REPRESENTATIVE FOR CORRECT LOCATION OF CAT-5 PULL (TELEPHONE BACKBOARD OR DATA CLOSET/CASH OFFICE).
- 9. BEFORE ANY CAT-5 CABLING WORK IS COMPLETED, THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE FOOD LION CONSTRUCTION MANAGER AND NEXGEN.

CONTROL NOTES

- 1. THE ENERGY MANAGEMENT CONTROL CABINET WITH ENVIRONMENTAL CONTROL PANEL SHALL BE PROVIDED VIA NATIONAL ACCOUNT BY FOOD LION
- 2. ONE SEPARATE 3/4" CONDUIT THROUGH ROOF FOR PHOTOCELL. RUN (1) 4-CONDUCTOR SHIELDED CABLE (#22AWG OR LARGER) FOR PHOTOCELL. TERMINATE PER ENERGY MANAGEMENT CONTROL DRAWINGS. PHOTOCELL SHALL BE LOCATED ON THE ROOF, IN AN OPEN AREA, IN A HORIZONTAL POSITION, WITH A NORTHERN EXPOSURE. PHOTOCELL SHALL NOT BE LOCATED DIRECTLY ABOVE 9. POWER WALL (AS PER SESCO COMMISSIONING).
- 3. PROVIDE 3/4" CONDUIT TO RECLAIM WATER HEATER CONTACTORS 10. PROVIDE 3/4" CONDUIT TO CU-1 CONDENSING UNIT ON ROOF FOR EMS CONTROL (2 #14 w/GND)
- 4. PROVIDE 1" CONDUIT TO AHU'S AND 3/4" CONDUIT TO OTHER MECHANICAL EQUIPMENT (IE. RTU'S, EDH'S, DAMPERS) FOR CONTROL. PROVIDE SEPARATE 3/4" CONDUIT FOR SENSOR CABLES. REFER TO SHEET M1.1. COORDINATE WITH MECHANICAL CONTRACTOR.
- PROVIDE 3/4" CONDUIT TO EACH REFRIGERATION CONTROLLER AND ECP PANEL TO THE PHONE BOARD FOR CAT 5 COMMUNICATION CABLE. NO OTHER CABLES SHALL BE RUN IN THIS CONDUIT.
- 6. LEAVE RIGHT HALF OF TROUGH OPEN FOR ENVIRONMENTAL CONTROL CONDUITS (BY THE ELECTRICAL CONTRACTOR) PER SHEET E4.01. MECHANICAL CONTRACTOR SHALL PROVIDE ALL ENVIRONMENTAL CONTROL WIRING AND TERMINATIONS.

- 7. PROVIDE 3/4" CONDUIT FOR EMS CONTROL TO MECHANICAL ROOM EXHAUST & SUPPLY FAN (IF REQUIRED) (4 #4 W/GND)
- (1) 5-CONDUCTOR SHIELDED CABLE (#22 AWG OR LARGER) FOR ANTI-SWEAT CONTROL, TERMINATE PER ENERGY CONTROL DRAWINGS. NO OTHER CONDUCTORS SHALL BE RUN IN THIS CONDUIT. SEE DETAIL #8 THIS SHEET.
- PROVIDE 3/4" CONDUIT FOR EMS CONTROL FOR PLL CONTACTORS (8 #14 W/GND)
- FOR EMS CONTROL AND 3/4" CONDUIT FROM CU-1 TO COOLING STAGE SOLENOIDS.
- 11. PROVIDE 3/4" CONDUIT TO D/B PANEL SECTION FOR DELI EMS CONTROL. (8 #14 W/GND)
- 12. ALL WIRING SHALL BE DONE IN STRICT ACCORDANCE WITH N.E.C. STANDARDS AND WITH FOOD LION STANDARDS. NO SLOPPY OR HAZARDOUS WORK WILL BE ACCEPTED. ELECTRICAL CONTRACTOR IS TO MAKE SURE THAT NO MC OR FLEX CABLES ARE USED UNLESS OTHERWISE NOTED. MC OR FLEX CABLES CAN ONLY BE USED IN SHORT RUNS FOR LIGHTING FEEDS. EMT MUST BE USED TO CONNECT PANEL TO JUNCTION BOX AND HAVE COMPRESSION TYPE FITTINGS. SEE SPECIFICATIONS FOR STANDARD PRACTICES.

Fixture Type

XCL LED Egress Light

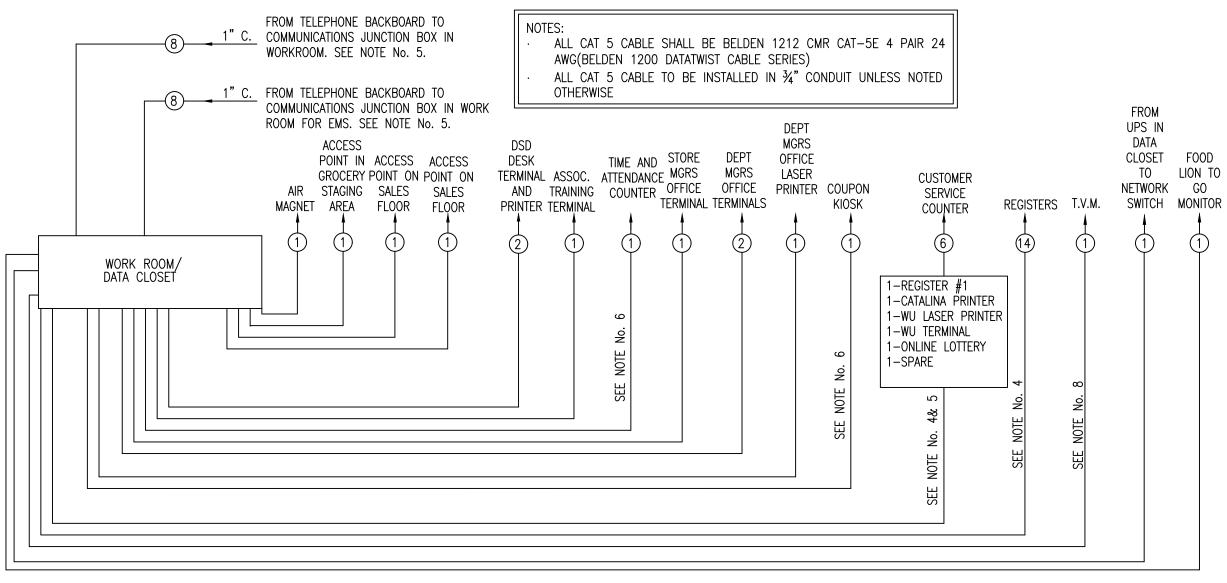
LED High Bay

Description

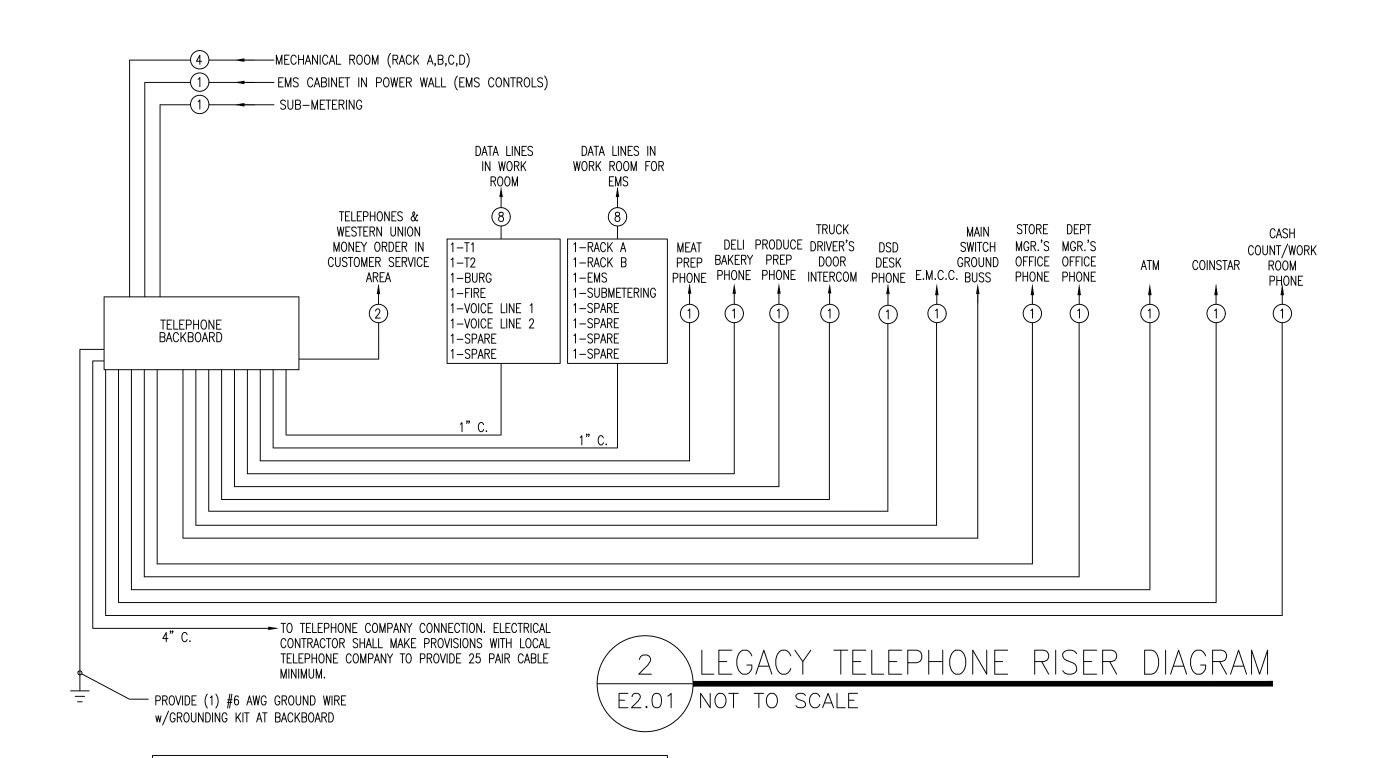
Manufacturer

Mule

Cree







ELECTRICAL CONTRACTOR SHALL PROVIDE SEPARATE LINE ITEM FOR ALL CAT 5 WORK.

THE PHONE COMPANY SHALL PROVIDE, INSTALL AND BE RESPONSIBLE FOR THE PHONE LINE

PROVIDE 4" CONDUIT FROM THE TELEPHONE BACKBOARD TO THE TELEPHONE PEDESTAL

TO FOOD LION'S TELEPHONE BACKBOARD. THE GENERAL CONTRACTOR SHALL

BEYOND THE CURB LINE.

IID	LED High bay	Oicc	NDE TO VAN TONGO DE TINE WITH WHITE GOLY IN TORICOTOR	172	120		suspended to 14ft AFF in Deli Sales, spaced 8ft off wall and 12ft apart			
CL	8' Linear LED Strip, Suspended, 8K Lumens	Acuity	CLX L96 8000LM HEF RDL MVOLT GZ10 35K 80CRI PLR1LVG WH	48	MVOLT	=	Produce case uplight/Perimeter Downlight			
CL1	CL1 4' Linear LED Strip; Suspended; 4K Lumens		CLX L48 4000LM HEF RDL MVOLT GZ10 35K 80CRI PLR1LVG WH	24	MVOLT	i e	Produce case uplight/Perimeter Downlight			
RL	RL 8' LED DownLight		EXISTING TO BE RELOCATED	48	MVOLT		Existing Perimeter Downlight to be relocated			
RL1	_1 4' LED DownLight		EXISTING TO BE RELOCATED	24	MVOLT		Existing Perimeter Downlight to be relocated			
RA	RA LED 8' Sales Fixture		EXISTING TO BE RELOCATED	88	MVOLT		Existing Sales Fixture to be relocated			
RU	8' LED Uplight	EXISTING	EXISTING TO BE RELOCATED	48	MVOLT		Existing Produce Uplight to be relocated			
RU1	4' LED Uplight	EXISTING	EXISTING TO BE RELOCATED	24	MVOLT	-	Existing Produce Uplight to be relocated			
QLED	ED 2L8' with Asymetric Reflector and with LED bulb		TZ 1 32 MVOLT OS10IS Z8ASR48 (PROVIDE WITH LED BULB)	52	120	4	On top of cases (uplighting)			
QLED1	1L4' with Asymetric Reflector and with LED bulb	Lithonia	Lithonia Z 1 32 MVOLT OS10IS Z8ASR48 (PROVIDE WITH LED BULB)		120	4	4' version of QLED			
	NOTE: NOT ALL FIXTURES USED ON THIS	S PROJECT								
	NOTE:									
		LIGHT FIXTURES SHALL BE MANUFACTURED BY LITHONIA UNLESS NOTED OTHERWISE. PURCHASE FROM SYLVANIA AT THE NATIONAL CONTRACT PRICE. FOR PURCHASE, CONTACT SYLVANIA AT								
		1-800-573-1514 EXT. 0066. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES, RATINGS, LENGTHSETC. ANY DISCREPANCIES SHALL BE RESOLVED WITH SYLVANIA PRIOR TO BID. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITION TO THE BILL OF MATERIALS DUE TO LOCAL, STATE GOVERNMENTAL CODES.								

LIGHT FIXTURE SCHEDULE

Watts Volts Note

120

142 120

Location

Suspended "High Bay" - mounted to bar joists at Produce,

LED Exterior egress emergency light

Label

MAKO-LED ACEM DB

KBL-A-UV-M-40K-8-UL-ML with white acrylic reflector

WITH SYLVANIA PRIOR TO BID. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITION TO THE BILL OF MATERIALS DUE TO LOCAL, STATE GOVERNMENTAL CODES.

light fixture schedule notes

- 1. LIGHT FIXTURES AND LAMPS SHALL BE PURCHASED FROM SYLVANIA LIGHTING SERVICES CORP. LIGHTING DESIGN AND PROJECT MANAGEMENT DEPARTMENT, 200 MIDWAY PARK DRIVE, MIDDLETON, N 10940 AT THE NATIONAL CONTRACT PRICE. FOR PURCHASE, CONTACT LISA B. MASTIN AT 1-800-573-1514 EXT. 0066 EMAIL: lisab.mastin@sylvania.com; LED LIGHTS TO BE PURCHASED FROM POWER CONCEPTS; CONTACT NEIL CHABLEE (252) 723-9887 EMAIL Neil.Chamblee@gmail.com. ALL FIXTURES SHALL BE INSTALLED AND POWERED BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLÉ FOR VERIFYING ALL QUANTITIES. RATINGS, LENGTHS, ETC.
- SEE SHEET E1.01 FOR MOUNTING HEIGHTS ALL LIGHTING FIXTURES. COORDINATE CABLE MOUNTING LENGTH WITH MOUNTING HEIGHT OF FIXTURE.
- INSTALL 'SREP' CLIPS ON BOTH SIDES OF EACH ROW OF FIXTURES. PROVIDE BLACK MC POWER FEED. TIE WRAP MC CORD NEATLY TO AIRCRAFT CABLE. FIXTURE TO BE MOUNTED ON TOP OF REFRIGERATED CASE. MOUNT FIXTURE 24" FROM CENTER OF FIXTURE TO FACE OF WALL. POSITION REFLECTOR TO FACE THE WALL.
- TRACK SYSTEM SHALL BE SUSPENDED WITH AIRCRAFT CABLE. PROVIDE BLACK MC CORD POWER FEED FOR (2) CIRCUIT TRACK SECTION OF GRID. HARD WIRE POWERED TRACK SECTIONS TOGETHER VIA BLANK GRID SECTION. CIRCUITING OF TRACK HEADS SHALL BE DISTRIBUTED EVENLY AMONG CIRCUITS. ELECTRICAL CONTRACTOR TO INSTALL STEEL SAFETY CABLE PROVIDED WITH FIXTURE.
- 6. ALL LAMPS SHALL BE MANUFACTURED BY GENERAL ELECTRIC, SYLVANIA OR PHILLIPS, UNLESS NOTED OTHERWISE.
- SUSPEND QZAS, QZAS1, X AND X1 FIXTURES WITH AIRCRAFT CABLE. PROVIDE WHITE MC CABLE POWER FEED. TIE WRAP MC CABLE NEATLY TO AIRCRAFT CABLE. PROVIDE TUBE SHIELDS FOR ALL LAMPS IN THE PRODUCE PREP AND SALES AND ALL FIXTURES IDENTIFIED WITH "TS".

MOUNTED TO BACK OF BULKHEAD

TELEPHONE RISER NOTES:

- THE CONDUITS TO THE TELEPHONE BACKBOARD MUST BE INSTALLED AS PER THIS DIAGRAM. ALL CONDUITS ARE HOMERUNS AND ARE NOT TO BE LOOPED OR TIED TOGETHER IN A JUNCTION BOX.... (COMMUNICATIONS CONTRACTOR TO VERIFY RISER)
- 2. (#) CIRCLE INDICATES THE NUMBER OF PHONE CABLES, SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. CABLE SHALL BE CAT 5 UNSHIELDED ETHERNET. COIL AND SECURE 15'-0" OF SLACK FOR ALL CABLE ENDS.
- 3. ALL CABLE ENDS SHALL BE LABELED PER RISER DIAGRAM.
- 4. ALL CABLE ENDS SHALL BE NUMBERED IF MORE THAN ONE PER CONDUIT.
- 5. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE FOOD LION CONSTRUCTION MANAGER AND CAT-5 RISER DIAGRAM PRIOR TO BEGINNING WORK TO PREVENT PULLING DUPLICATE OR UNNECESSARY RUNS.
- -6. FOR PENNSYLVANIA STORES ONLY, THERE SHALL BE (1) CAT-5 FROM THE TERMINAL IN THE CUSTOMER SERVICE COUNTER TO THE DATA CLOSET
- 7. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE FOOD LION CONSTRUCTION MANAGER AND TELEPHONE! RISER DIAGRAM PRIOR TO BEGINNING WORK TO PREVENT PULLING DUPLICATE OR UNNECESSARY RUNS.
- 8. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOCAL LOTTERY REPRESENTATIVE FOR CORRECT LOCATION OF CAT-5 PULL (TELEPHONE BACKBOARD OR DATA CLOSET/CASH OFFICE).
- 9. BEFORE ANY CAT-5 CABLING WORK IS COMPLETED, THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH
- THE FOOD LION CONSTRUCTION MANAGER AND NEXGEN.
- 10. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOCAL LOTTERY REPRESENTATIVE FOR CORRECT LOCATION OF CAT-5 PULL (TELEPHONE BACKBOARD OR DATA CLOSET/CASH OFFICE).

RISERS SHOWN FOR REFERENCE PURPOSES ONLY. SEE SHEET E1.02 FOR EXTENT OF NEW WORK.



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ARCHITECT/ENGINEER SEAL



CONSULTANT

HAAS & KENNEDY ENGINEERS, P.A. ELECTRICAL ENGINEERS 212 N. McDOWELL - SUITE 100 P.O. BOX 37291 CHARLOTTE, NORTH CAROLINA 28237 (704) 333-6590 FAX (704) 343-0075 DRAWN BY: <u>KAK</u> CHECKED BY: HK PROJECT NO: _____23043

FOOD 鴉 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					
		1					
PROJE	ECT NO	DRAWN BY					
222	0380	KAK					

PROJECT FOOD LION STORE #2594

CHECKED BY

HCK

3260 RAY ROAD SPRING LAKE, NC 28390 2594FLMK23

PERMIT SUB DATE

04/14/2023

FOOD LION

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

SHEET TITLE

COMMUNICATIONS RISER DIAGRAM AND DETAILS

SHEET NO 2594 E2.01_00

