



NOTE:
 INFORMATION SHOWN ON THE
 SINGLE LINE DIAGRAM DASHED AND IN
 GRAYSCALE IS EXISTING TO REMAIN
 UNLESS OTHERWISE NOTED. NEW WORK
 IS SHOWN DARK.

1 SINGLE LINE DIAGRAM
 SCALE: NONE

LOAD ANALYSIS - FOR SERVICE #1 OF 1 480Y/277V, 3 PHASE, 4 WIRE

LOAD	KVA	NEC DEMAND FACTOR	NEC KVA	AMPS @ 480 VAC	REFERENCE NEC 2011
LIGHTING - Continuous	152.149	1.25	190	229	NEC Article 215, Section 215.3
HVAC EQUIPMENT	246.122	1.00	246	297	NEC Article 440, Part IV Section 440.33, 440.35, 424.30 & 220.60
PRODUCT REFRIGERATION	486.584	1.00	487	586	NEC Article 440, Part IV Section 440.35
KITCHEN EQUIPMENT	98.144	0.65	64	77	NEC Article 220, Part III Section 220.56
WATER HEATERS	0	1.25	0	0	NEC Article 422, Section 422.13
RECEPTACLES - 1ST 10 KVA	10	1.00	10	12	NEC Article 220, Part III Section 220.44
RECEPTACLES - REMAINING	47.17	0.50	24	28	NEC Article 220, Part III Section 220.44
OTHER - Continuous	5.04	1.25	6	8	NEC Article 215, Section 215.3
OTHER - Non-Continuous	148.998	1.00	149	180	NEC Article 215, Section 215.3
TOTAL LOAD			0	0	
			1176	1416	
SERVICE EQUIP. RATING - AMPS				1600	

ATTENTION:
 THE HARRIS TEETER PROJECT MANAGER SHALL PROVIDE ADDITIONAL BID NOTES WITH INFORMATION REGARDING THE BIDDING AND PURCHASE OF EQUIPMENT FOR THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE HE HAS THIS INFORMATION PRIOR TO SUBMITTING BID.

LISTING AND LABELING STATEMENT
 ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL LISTED BY A NORTH CAROLINA APPROVED THIRD PARTY TESTING AGENCY. (MECKLENBURG COUNTY CODE ENFORCEMENT)

APPLICABLE CODES
 BUILDING SIZE (SQ. FT.): 56,011 SQ FT
 OCCUPANCY TYPE: MERCANTILE
 GOVERNING CODES & REFERENCES: 2012 NC ENERGY CODE, 2014 NEC
 LOCATION: CHARLOTTE, NORTH CAROLINA

ELECTRICAL DRAWING INDEX

DRAWING NUMBER	DRAWING TITLE
E1.1	SINGLE LINE DIAGRAM, NOTES AND LOAD ANALYSIS
E1.2	ELECTRICAL LIGHTING SCHEDULE AND LEGEND
E2.0	LIGHTING DEMOLITION PLAN
E2.0A	ACCENT LIGHTING DEMOLITION PLAN
E2.1	LIGHTING RENOVATION PLAN
E2.2	ACCENT LIGHTING RENOVATION PLAN
E3.0	POWER DEMOLITION PLAN
E3.1	POWER RENOVATION PLAN
E3.2	PARTIAL POWER RENOVATION PLANS
E3.3	ROOF POWER RENOVATION PLAN
E4.1	PANEL SCHEDULES
E4.2	PANEL SCHEDULES
F1.1	FIRE ALARM RENOVATION PLAN
F1.2	FIRE ALARM DETAILS
LEM1.1	LIGHTING ENERGY MANAGEMENT SYSTEM

Harris Teeter, Inc. Lighting Package Bid Note

The following applies to all Harris Teeter projects listed as new locations or remodels.
 Harris Teeter, Inc., or HT, has identified Shealy Electric of Charlotte, NC as the only approved supplier for HT commercial lighting fixtures and lamps. HT will purchase these products directly from Shealy.
 All bidding electrical contractors, or EC's, are required to contact Shealy to verify a complete bill of material & counts. It is not necessary for Shealy to price these materials to each contractor. The contact information for Shealy is provided below.
 Shealy will provide the following to the awarded EC:
 • Final Bill of Material
 • Cut Sheets (as required)
 • Installation Instructions
 The awarded EC is responsible for the following:
 • Providing a schedule to Shealy with required product arrival dates to the job site.
 • Receiving, storing, and insuring (up to \$250,000) all lighting fixtures and lamps until the installation is complete.
 • Counting all products when received and reporting any damages or shortages to Shealy within 48 hours.
 • Reporting any product failures to Shealy within 48 hours of failure.

Any lighting package warranty issues, as related to product failure only, will be handled by HT from the store's grand opening date (this includes ballast and lamps). Any lighting package warranty issues as related to electrical workmanship will be the responsibility of the EC for a period of 12 months from the store's grand opening date. As long as any problem is documented, post marked, or electronically dated prior to the end of the 12 month period, it shall be corrected at no charge to HT.

Primary Contact
 Derek Miller
 Office - 704-372-3040
 E-mail: DMMiller@shealyelectrical.com

AFFECTED DISCIPLINES: GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR

Harris Teeter, Inc. Project Managers are asked to please copy the above contents on new store bid notes until further notice. Please also copy these contents on construction start notes.

ARCONS DESIGN STUDIO
 architecture planning interiors
 10550 Independence Pointe Parkway
 Suite 300
 Matthews, North Carolina 28105
 P: 704.542.5232 F: 704.542.2330
 www.arconsds.com

BRANDT ENGINEERING, INC.
 NC LICENSE NO. C-1504
 PHONE: (804) 794-6656
 FAX: (804) 794-8586
 EMAIL: code@brandtinc.com

Harris Teeter
 Your Neighborhood Food and Pharmacy

NOTE: THIS DOCUMENT MAY HAVE BEEN ELECTRONICALLY TRANSMITTED. IF UNSIGNED, IT CANNOT BE FILED FOR PUBLIC RECORD. PUBLIC RECORD FILINGS REQUIRE SIGNED AND SEALED DOCUMENTS.

Robert K. Stacy
 ENGINEER
 INNOVATION STUDIO
 15-11228-02
 Electronically Signed By:
 Robert K Stacy
 Using eSignTrust Certificate
 2016.08.24 14:59:50-0400'

HARRIS TEETER
 STORE # 208
 COTSWOLD SHOPPING
 CENTER
 CHARLOTTE, NC

PROJECT MANAGER
 ROK STACY
 15-11228-02
 DR. BY:
 MIV

REVISIONS

No.	Date	Description
No. 1	02-24-2016	
No. 2		
No. 3		
No. 4		
No. 5		
No. 6		
No. 7		
No. 8		
No. 9		
No. 10		

DRAWING NAME
SINGLE LINE DIAGRAM NOTES AND LOAD ANALYSIS

SHEET NO.
E11
 ISSUE DATE: 08.23.16