

FEEDER POWER SUPPLY FOR PANEL [NAME] ORIGINATES AT PANEL [NAME]

NOTES:
 A. PROVIDE LAMINATED PLASTIC LABEL WITH 1/2" MINIMUM CONTRASTING COLOR ENGRAVED LETTERS.
 B. THE CONTRACTOR SHALL VERIFY THAT ALL AFFECTED SWITCHBOARDS, PANELBOARDS, AND TRANSFORMERS ARE PROPERLY LABELED IN THE FIELD.

AVAILABLE FAULT CURRENT	XX,XXXA
DATE CALCULATED	XXXXXX

NOTE:
 A. THE EXISTING SERVICE EQUIPMENT SHALL HAVE A LABEL APPLIED, SIMILAR TO THE ABOVE, TO INDICATE THE MAXIMUM AVAILABLE FAULT CURRENT AND DATE CALCULATED AS INDICATED IN PLANS.

SERVICE EQUIPMENT FAULT CURRENT DETAIL



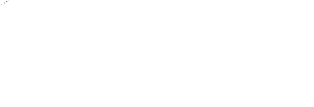
7 POWER SUPPLY DETAIL



5 EDC-4 POWER PLAN



4 EDC-2 POWER PLAN



3 EDC-1 POWER PLAN



2 ARC FLASH DETAIL



1 PARTIAL ONE-LINE DIAGRAM



CONNECTED LOADS TABLE

LOAD TYPE/DESCRIPTION	LOAD(S)	NEW/EXIST	TOTAL (AMPS)	TOTAL (KW)
EXISTING SERVICE EQUIPMENT			1200	120
NEW SERVICE EQUIPMENT			1800	180
TOTAL			3000	300

KEYNOTES

16.299	CONNECT EMS CONTROL TRANSFORMER(S) AND/OR ELDP(S) TO NEAREST LOW RECEPTACLE CIRCUIT WITH (2)12, (1)12G COORDINATE INSTALLATION AND PROCUREMENT WITH EMS CONTRACTOR REFER TO EMS PLAN INDICATED.
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ONE-LINE DIAGRAM

NEW EQUIPMENT	---
EXISTING EQUIPMENT	---
EQUIPMENT TO BE DEMOLISHED	---

NOTE:
 ALL OF THE ELECTRICAL DEVICES SHOWN ON THE ONE-LINE DIAGRAMS EXISTING ARE BASED UPON AS-BUILT DRAWINGS. EC SHALL VERIFY THE EXACT EXISTING CONDITIONS, SIZES AND LOCATIONS OF EQUIPMENT PRIOR TO WORK. IN THIS ONE-LINE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ANY NEW DEVICES ARE SHOWN IN RED. NOTED DURING CONSTRUCTION. ANY NECESSARY DOWNTIME SHALL BE SCHEDULED AND APPROVED GENERAL CONTRACTOR AND WALMART CONSTRUCTION.

20A WIRE SIZING SCHEDULE

ALL WIRE SIZES ARE IN CONFORMANCE WITH SCHEDULES AND PLANS ARE INTENDED TO BE MINIMUM ACCEPTABLE WIRE SIZE.

THE FOLLOWING SCHEDULE IS TO BE USED TO SIZE WIRE FOR 20A BRANCH CIRCUITS (120 AND 277 VOLT). LENGTHS IN FEET ARE INTENDED TO BE MAXIMUM.

CONNECTIONS: WHERE 20A BRANCH CIRCUITS #8 AND LARGER WIRE CALLED OUT, #10AWG WIRE MAY BE USED FOR THE FINAL CONNECTION (10' MAX.)	#12	#10	#8	#6
120 VOLT	260 FT.	325 FT.	400 FT.	770 FT.
1.5 AMP	260 FT.	325 FT.	400 FT.	770 FT.
8-10 AMP	100 FT.	160 FT.	245 FT.	385 FT.
11-15 AMP	70 FT.	110 FT.	195 FT.	255 FT.

277 VOLT	#12	#10	#8	#6
1.5 AMP	480 FT.	790 FT.	1170 FT.	1565 FT.
8-10 AMP	240 FT.	380 FT.	585 FT.	930 FT.
11-15 AMP	180 FT.	250 FT.	390 FT.	620 FT.

NOTE

11.19.10 EN09
 ARRANGE ALL WORK THAT REQUIRES POWER INTERRUPTIONS TO THE STORE TO BE ACCOMPLISHED AFTER NORMAL STORE BUSINESS HOURS. NOTIFY THE STORE MANAGER AND THE WALMART CONSTRUCTION MANAGER A MINIMUM OF 48 HOURS IN ADVANCE OF ALL STORE POWER INTERRUPTIONS. STORE MANAGER MUST ALLOW FOR POWERING DOWN OF COMPUTER SYSTEMS, MOVING AFFECTED PRODUCT, MODIFICATION OF WALMART AFTER-HOURS WORK SCHEDULES. COORDINATION WITH OTHER TRADES, AND OTHER CRITICAL SCHEDULING CONCERNS. PROVIDE TEMPORARY POWER AS REQUIRED. INSTALLATION OF NEW EQUIPMENT SHALL BE COMPLETED AND THE POWER SYSTEMS TESTED AND RE-ENERGIZED PRIOR TO START OF BUSINESS THE FOLLOWING MORNING NO LATER THAN A TIME ESTABLISHED BY THE STORE MANAGER AND THE WALMART CONSTRUCTION MANAGER.

PANELBOARD NOTES ()

GENERAL NOTES:
 1. E.C. SHALL ADD OR REARRANGE CIRCUIT BREAKERS WITHIN PANELBOARDS AS REQUIRED TO MATCH NEW CIRCUIT DESIGNATIONS SHOWN ON DRAWINGS.
 2. NEW OVERCURRENT PROTECTIVE DEVICES PLACED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTIVE DEVICES IN SAID BOARD.
 3. E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR ALL EXISTING ELECTRICAL PANELBOARDS AFFECTED BY THE REMODEL AND IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN PANELBOARD IDENTIFICATION SCHEDULE FOR ALL AFFECTED PANELBOARDS.
 4. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE.

EQUIPMENT LABELS

ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A LABEL APPLIED TO WARN OF POTENTIAL ARC FLASH HAZARDS. REFER TO ARC FLASH DETAIL.



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 Louisville, KY 40290
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STIPULATION FOR THE CONTRACTOR TO VERIFY THE EXISTING CONDITIONS, SIZES AND LOCATIONS OF EQUIPMENT PRIOR TO WORK. IN THIS ONE-LINE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ANY NEW DEVICES ARE SHOWN IN RED. NOTED DURING CONSTRUCTION. ANY NECESSARY DOWNTIME SHALL BE SCHEDULED AND APPROVED GENERAL CONTRACTOR AND WALMART CONSTRUCTION.

CONSULTANTS
JASPER C. ADAMS
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 STORE NO. 4892-223
 143 SGPOR

Remodel Photo
GORDONVILLE, VA
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ISSUE BLOCK

NO.	DESCRIPTION	DATE

CHECKED BY: BMD
 DRAWN BY: JRL
 PHOTO CYCLE: 02/23/18
 DOCUMENT DATE: 04/10/18
 BG PROJECT NO: 19532
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on 04/09/2018
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ELECTRICAL ONE-LINE DETAILS AND SCHEDULES

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT AS-BUILT CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.
 EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

SHEET: **E4**

Order Plans

@www.worldline.com

COORDINATE ALL CHANGES TO EXISTING ELECTRICAL SERVICE AND METERING WITH UTILITY COMPANY.
 WALMART #4892 GENERAL REMODEL
 164 CAMP CREEK PKWY.
 GORDONVILLE, VA 23062
 UTILITY COMPANY: CENTRAL VIRGINIA ELECTRICAL COOPERATIVE
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