

CONTACTOR SCHEDULE					
LABEL AS SHOWN	LOAD SERVED	ENCLOSURE	COIL VOLTS	CONTACTS	NOTES
C1	BUNKER LIGHTING	NEMA-1	120V	600V, 20A-2P	MECHANICALLY HELD
C2	PRODUCE SALES LIGHTING	NEMA-1	120V	600V, 20A-2P	MECHANICALLY HELD
C3	PRODUCE SALES LIGHTING	NEMA-1	120V	600V, 20A-2P	MECHANICALLY HELD

NOTE: REFER TO SHEET EMI FOR EMI CONTROL INFORMATION.

IF IT IS NECESSARY TO REMOVE A METER, RTU SERVER, CT OR DISRUPT THE COMMUNICATION OF THE SYSTEM, THE CONTRACTOR IS RESPONSIBLE TO RESTORE THE SYSTEM TO THE SAME LEVEL OF OPERATION THAT EXISTED PRIOR TO THE WORK BEING INITIATED. THE EXISTENCE AND FUNCTIONALITY OF THE SYSTEM SHALL BE VERIFIED BY CALL WALMART BUILDING PERFORMANCE TEAM AT 479-204-0432 BETWEEN THE HOURS OF 7 AM UNTIL 5 PM CT.

REPRESENTS THE AVAILABLE FAULT CURRENT IN RMS SYMMETRICAL AMPS AT THE RESPECTIVE TRANSFORMER, PANELBOARD, OR EQUIPMENT.

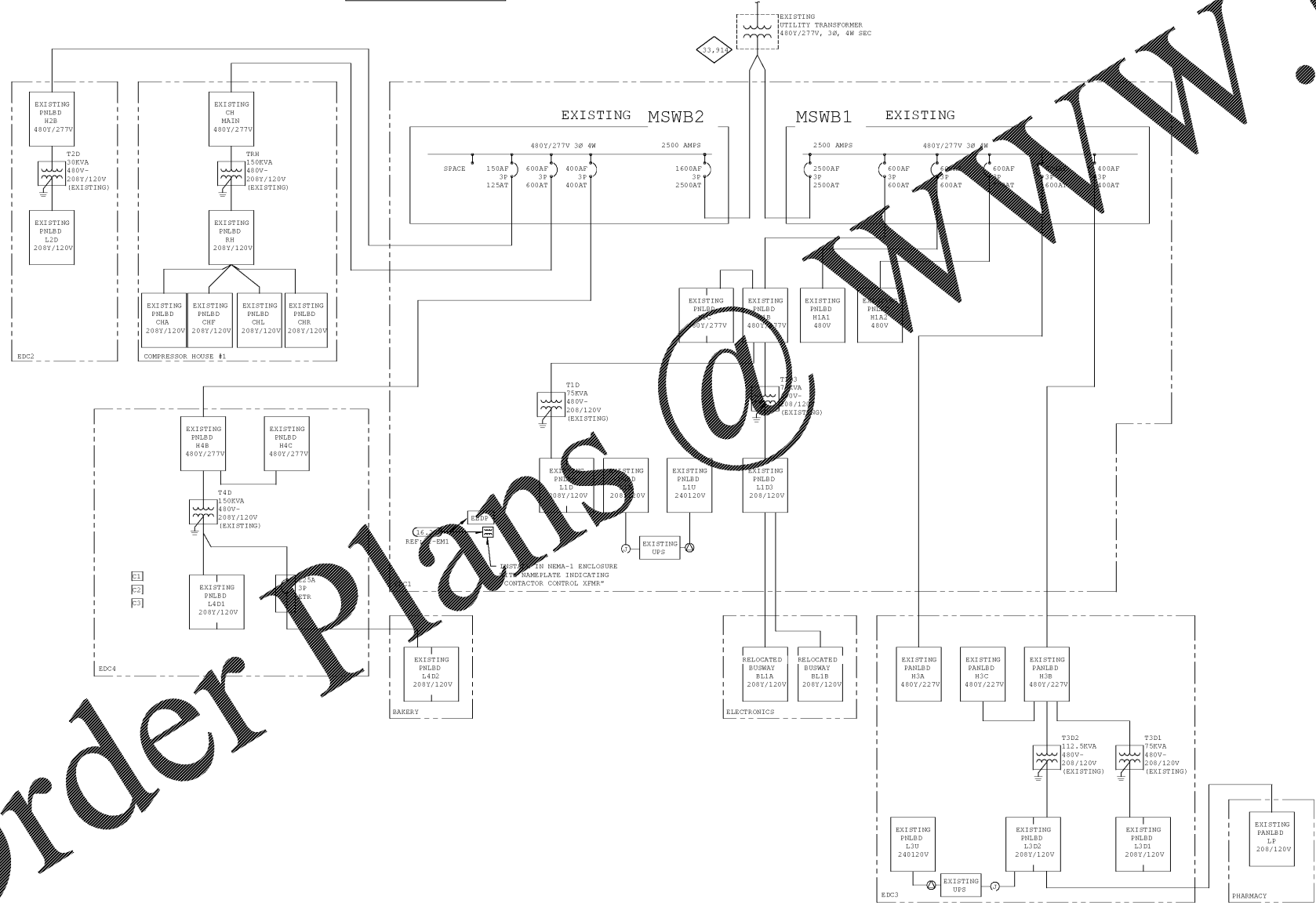
FAULT CURRENT CALCULATIONS ARE BASED ON AVAILABLE CURRENT OF 33,914 AMP AT SECONDARY TERMINALS OF THE UTILITY TRANSFORMER AS PROVIDED BY THE UTILITY COMPANY.

COORDINATE ALL CHANGES TO EXISTING ELECTRICAL SERVICE AND METERING WITH UTILITY COMPANY.

STORE ADDRESS:
1108 N 1ST ST
JESUP, GA 31545

UTILITY COMPANY: GEORGIA POWER
CONTACT: ZU MENDEZ CASTILAS
PHONE: (912) 448-1326

EXISTING DISTRIBUTION SYSTEM IS SERIES RATED. E.C. SHALL PROVIDE CIRCUIT BREAKER(S) THAT WILL MAINTAIN EXISTING MANUFACTURER'S U.L. LISTED SERIES RATED SYSTEM.



NOTE

11.13.12
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 SYSTEM 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.

ONE-LINE DIAGRAM LEGEND

NEW EQUIPMENT
EXISTING EQUIPMENT
EQUIPMENT TO BE DEMOLISHED

KEY NOTES

16.299 CONFORMING TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) SHALL BE USED TO DETERMINE THE MINIMUM WIRE SIZE TO BE USED. REFER TO THE NATIONAL ELECTRICAL CODE (NEC) FOR THE MINIMUM WIRE SIZE TO BE USED. REFER TO THE NATIONAL ELECTRICAL CODE (NEC) FOR THE MINIMUM WIRE SIZE TO BE USED.

ARC FLASH

ARC FLASH HAZARD WARNING LABELING REQUIREMENTS PER NEC ARE PROVIDED BY OWNER SEPARATE CONTRACT.

- PANELBOARD NOTES ()**
- TERMINATE GROUND ON ISOLATED GROUND BUS.
 - INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE). LOCKING DEVICE SHALL BE UL LISTED. MANUFACTURER SHALL MATCH EXISTING PANELBOARD MANUFACTURER.
 - INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL LOAD).
 - GFI BREAKER FOR PERSONNEL PROTECTION (3MA).
 - GFI BREAKER FOR EQUIPMENT PROTECTION (30MA).
 - CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONATELY PER NEC.
 - REFER TO ONE-LINE DIAGRAM FOR AVAILABLE SHORT CIRCUIT CURRENT FOR INTERRUPT RATING.
 - REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.
 - FACTORY WIRING TO LOCK.
 - BREAKER SHALL BE HIGH MAGNETIC.
 - NEW PANELS TO REPLACE EXISTING PANELS WITH THE SAME NAME, MODEL AND POSITION WAS DETERMINED BY VISUAL INSPECTION OF DRAWINGS. E.C. SHALL VERIFY CONDITION OF EXISTING PANELS PRIOR TO REMOVAL. BRANCH CIRCUITS ARE EXTENDED TO NEW PANEL LOCATION. E.C. SHALL VERIFY CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE TO BE USED TO USE, TO INSURE THAT THEY MEET U.L. RATINGS AND REPLACE AS REQUIRED.
 - EXISTING CIRCUIT TO REMAIN.
 - ROUTE CIRCUIT THROUGH CONTACTOR.
 - PROVIDE INTERLOCK WIRING WITH EXHAUST HOOD ANSUL SYSTEM.
 - RELOCATED CIRCUIT FROM EXISTING PANELBOARD.
 - PROVIDE LOG ADAPTERS AS REQUIRED.
 - HACR CIRCUIT BREAKER.
 - EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS.
 - ROUTE CIRCUIT THROUGH EXISTING LCU CABINET UTILIZING EXISTING RELAY AND CONTROLS. UPDATE LCU IDENTIFICATION SCHEDULE WITH LOAD IDENTIFICATION.
 - PROVIDE HANDLE LOCK OFF DEVICE TO LOCK "OFF" CIRCUIT BREAKER TO REMAIN. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS.
 - PROVIDE U.L. LISTED OVERCURRENT DEVICE TO COORDINATE AND MAINTAIN MANUFACTURER'S SERIES RATED SYSTEM.
 - SOLENOID OPERATED CIRCUIT BREAKER. REFER TO ENERGY MANAGEMENT PLANS FOR CIRCUIT BREAKER CONTROL.
 - TRACE EXISTING CIRCUIT. IDENTIFY LOAD AND PROVIDE COMPLETE TYPEWRITTEN PANELBOARD IDENTIFICATION SCHEDULE AND PLACE ON INTERIOR OF PANELBOARD DOOR. IF CIRCUIT IS A "SPARE" THEN REFER TO PANELBOARD NOTE (21).
 - PROVIDE BLANK CIRCUIT BREAKER FILLER PLATE FOR EXPOSED SPACE IN PANELBOARD.

GENERAL NOTES:

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

20A WIRE SIZING SCHEDULE

ALL WIRE SIZES SHOWN ON PANEL SCHEDULES ARE INTENDED TO BE MINIMUM ACCEPTABLE WIRE SIZE.

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

	#12	#10	#8	#6
120 VOLT				
1-5 AMPS	200 FT.	325 FT.	430 FT.	770 FT.
6-10 AMPS	100 FT.	160 FT.	245 FT.	385 FT.
11-15 AMPS	70 FT.	110 FT.	165 FT.	255 FT.
277 VOLT				
1-5 AMP	480 FT.	760 FT.	1170 FT.	1365 FT.
6-10 AMP	240 FT.	380 FT.	585 FT.	930 FT.
11-15 AMP	160 FT.	250 FT.	390 FT.	620 FT.

SOURCE OF SUPPLY NOTE

CONTRACTOR TO VERIFY THE FEEDER ORIGINATION POINT SOURCE OF POWER FOR ALL DISTRIBUTION BOARDS, PANELBOARDS, AND BUSWAY AFFECTED BY THE REMOVAL SCOPE OF WORK. PROVIDE A LAMINATED PLASTIC NAMEPLATE PER SPECIFICATIONS INDICATING THIS INFORMATION.

EXAMPLES:
H1A FED FROM H1B VIA T1D
L1D FED FROM H1B VIA T1D

Walmart JESUP, GA
STORE NO. 2650
JOB NUMBER: 2346278

ISSUE BLOCK

NO.	DESCRIPTION	DATE	BY

CHECKED BY: JPM
DRAWN BY: MD
PHOTO CYCLE: 07/27/11
DOCUMENT DATE: 10/05/11

NOT FOR CONSTRUCTION

ELECTRICAL ONE-LINE DETAILS AND SCHEDULES

SHEET: E4

1 PARTIAL ONE-LINE DIAGRAM