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EMS EQUIPMENT SALVAGE REQUIREMENTS

3.15.14
ALL DEMOLISHED NOVAR EMS EQUIPMENT SHALL BE RETURNED TO WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER EQUIPMENT TO BE RETURNED INCLUDES: EXECUTIVE CONTROLLER(S), IOM(S), CIM(S), CCM(S), ETC. PROVIDE DOCUMENTATION FOR ALL EQUIPMENT REMOVED IN ACCORDANCE WITH SPECIFICATIONS AND REQUIRED CLOSE-OUT DOCUMENTS.

GENERAL EMS NOTES

- TEMPERATURE AND CO2 SENSOR MOUNTING: PROVIDE 1/2" CONDUIT AND INSTALL EMS CABLE FROM SENSOR TO CONTROL MODULE MOUNT SENSOR ON BOV. ALL SENSORS TO BE MOUNTED AT +84" UNLESS NOTED OTHERWISE. SENSORS ON SALES FLOOR SHALL BE INSTALLED ON THE BACK SIDE OF COLUMN. DO NOT INSTALL SENSORS IN HVAC SUPPLY AIR PATH OR IN DIRECT SUNLIGHT. REF MECHANICAL DRAWINGS FOR EXACT LOCATIONS.
 - GYPSUM BOARD WALLS: PROVIDE A 4" SQUARE RECESSED BOX WITH A SINGLE GANG PLASTER RING FLUSH MOUNTED VERTICALLY.
 - BLOCK WALLS AND COLUMNS: PROVIDE A 2'x4" BOX SURFACE MOUNTED VERTICALLY.
 - INSULATE BEHIND SENSORS MOUNTED ON EXTERIOR WALLS WITH 1/2" POLYSTYRENE SPACER.
 - MOUNT CO2 SENSORS 6" ABOVE TEMPERATURE SENSORS.
- TERMINATIONS SHALL BE MADE IN ACCORDANCE WITH EMS SUPPLIER INSTALLATION INSTRUCTIONS. NO OPEN UNINSULATED WIRE(S) SHALL BE EXPOSED AT ANY LOCATION. HEAT SHRINK.
 - PROTECT CABLES ACCORDING TO DRAWINGS. WIRE RACKS AND/OR CHASES: PROVIDE A TRANSITION FROM THE PVC UNDERSLAB EMS CONDUIT TO EMT OR FLEX. EMS CABLES SHALL BE RUN IN CONDUIT FULL LENGTH BENEATH REFRIGERATED CASES. EMS CABLES AT BAR JOIST LEVEL, IN OPEN SALES AREA AND THE STOCKROOM CAN BE EXPOSED.
- DEMOLITION: COORDINATE WITH ARCHITECTURAL DEMOLITION PLANS THE EXTENT OF EMS DEMOLITION. REMOVE CONDUIT AND WIRES ALL THE WAY BACK TO ORIGINATING JUNCTION BOXES OR DEVICES. DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS.
- EMS CONTRACTOR SHALL PROVIDE ASSISTANCE TO THE EMS SUPPLIER ON PERFORMING EQUIPMENT TESTS ON POWER SWITCHING PANELS AS NECESSARY.
- DIMMING CONTROL WIRING MUST TERMINATE IN HOME RUN FIXTURES ONLY, AS SHOWN ON EMS PLANS. PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. DO NOT MODIFY THE LISTED FIXTURE'S WIRING HARNESS OR TERMINATE CONTROL WIRING IN THE ADJACENT FIXTURES.
- DO NOT INSTALL EQUIPMENT OR CONDUITS DIRECTLY UNDER SKYLIGHT WELLS UNLESS INDICATED OTHERWISE ON PLANS.
- WHERE GROUPED CONDUITS ARE INSTALLED WITHIN THE JOIST SPACE, COORDINATE WITH SPRINKLER CONTRACTOR PRIOR TO INSTALLATION IN ORDER TO MAINTAIN REQUIRED CLEARANCES FROM SPRINKLERS.
- 24 HOURS PRIOR TO SHUTTING DOWN HVAC SYSTEMS OR ENERGY MANAGEMENT CONTROLS SYSTEMS, SEND EMAIL TO NSRM@WALMART.COM THE E-MAIL SHALL STATE WHAT, WHY, AND WHEN IT IS BEING SHUT DOWN AND HOW LONG IT IS ANTICIPATED TO BE SHUT DOWN. THEN SEND A FOLLOW UP EMAIL TO NSRM@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.

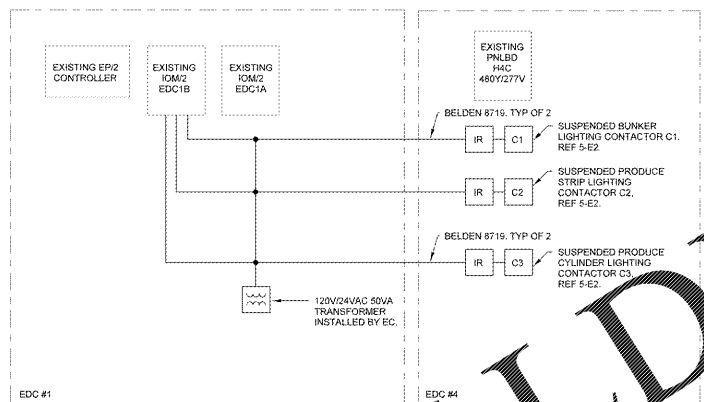
24 HOURS PRIOR TO SHUTTING DOWN ANY REFRIGERATION SYSTEMS, HVAC SYSTEMS, OR ENERGY MANAGEMENT CONTROLS SYSTEMS, SEND E-MAIL TO NSRM@WALMART.COM THE E-MAIL SHALL STATE WHAT, WHY, AND WHEN IT IS BEING SHUT DOWN AND HOW LONG IT IS ANTICIPATED TO BE SHUT DOWN. THEN SEND A FOLLOW UP EMAIL TO NSRM@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.

PROVIDE CONDUIT, FITTINGS, WIRE-TIES, CONNECTORS, LABELS, AND ANY OTHER MISC. PARTS NEEDED TO INSTALL AND START THE SYSTEM.

OWNER WILL FURNISH ALL MAJOR EMS DEVICES (INCLUDING 24 VOLT TRANSFORMERS AND RELAYS).

CONTROL INFORMATION

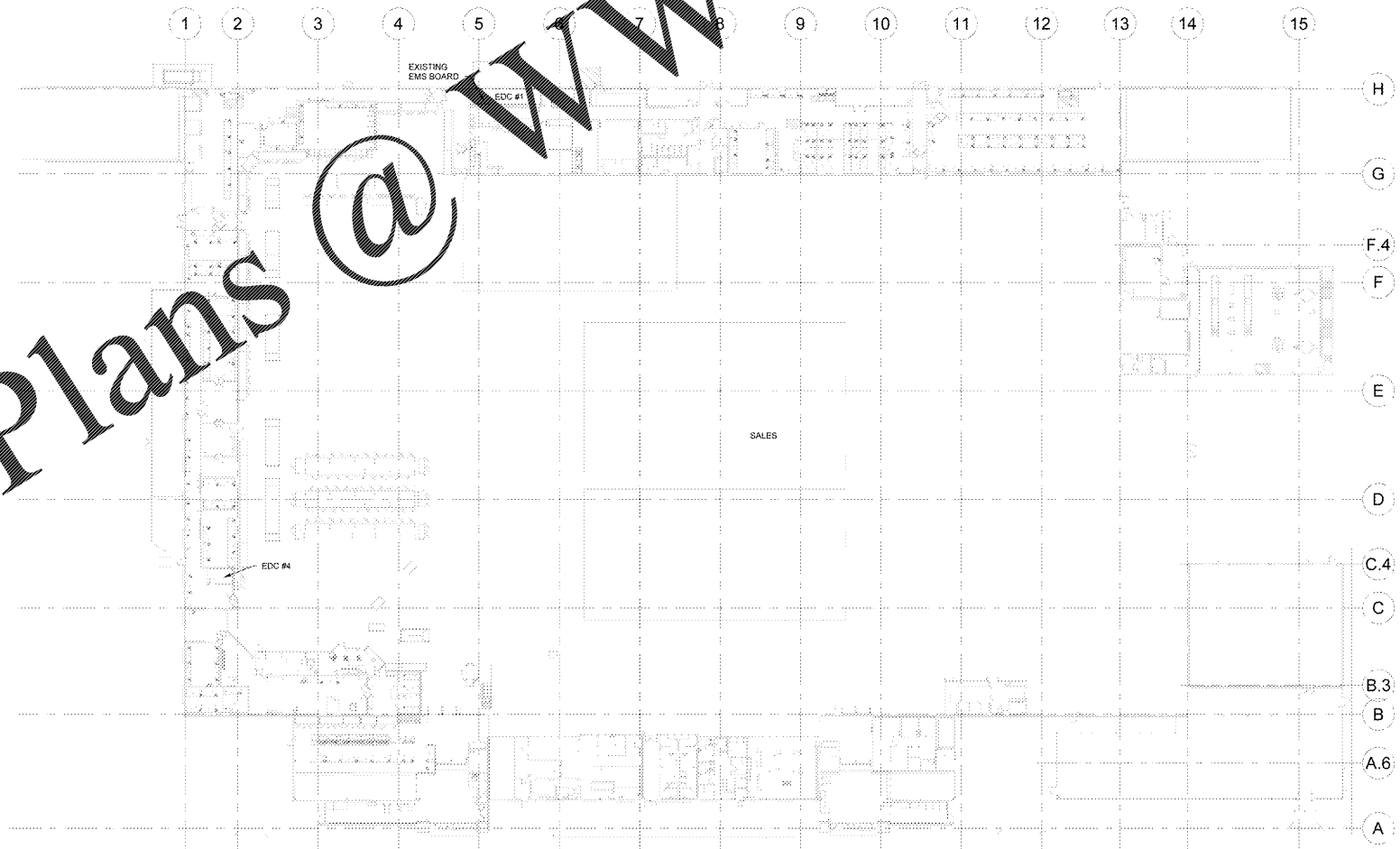
DESCRIPTION	TYPE	ON/OFF OUTPUT	ON/OFF PROGRAMMING	ROP INPUT/ PROGRAMMING
SUSPENDED PRODUCE CYLINDER LIGHTING	CONTACTOR	IOM2 EDC1A - 3	24 / 7 ON	N/A
SUSPENDED PRODUCE STRIP LIGHTING	CONTACTOR	IOM2 EDC1A - 8	24 / 7 ON	N/A
SUSPENDED BUNKER LIGHTING	CONTACTOR	IOM2 EDC1A - 2	24 / 7 ON	N/A



WIRE LEGEND

- WR-1010 (TAN CABLE 18-22 TWISTED PAIR)
 - WR-2020 (BLACK CABLE 18-22 TWISTED PAIR)
 - BELDEN 116-2 (18-2 TWISTED PAIR)
 - BELDEN 8719 (18-2 TWISTED PAIR)
 - BELDEN 8771 (18-2 TWISTED PAIR)
 - BELDEN 118 (18-3 W/DRAIN GROUND)
 - BELDEN 1120A (18-3 TWISTED PAIR)
- NOTES:
1. ALL CABLE WR-2020 UNLESS NOTED OTHERWISE.
2. ALL CABLE FURNISHED AND INSTALLED BY EMS CONTRACTOR.

2 PARTIAL EMS ONE-LINE



1 ENERGY MANAGEMENT PLAN

1/32" = 1'-0"

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 ACCUANTY 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.

EMS SYMBOLS

AHU/C	AHU CONTROLLER
AHUSP	AHU TEMPH SENSOR
ALS	ANALOG LIGHT SENSOR
ETM	ELECTRONIC THERMOSTAT MODULE
IDS	INDOOR DEWPOINT SENSOR
IHS	INDOOR HUMIDITY SENSOR
ITS	INDOOR TEMPERATURE SENSOR
ODS	OUTDOOR DEWPOINT SENSOR
OTS	OUTDOOR TEMPERATURE SENSOR
S-X	WALL TEMPERATURE SENSOR
UH	UNIT HEATER TEMPERATURE SENSOR
RTUC	ROOFTOP UNIT CONTROLLER
BAP	BUILDING ALARM PANEL
CO2	CARBON DIOXIDE SENSOR
LINGO XE	BUILDING EMS CONTROLLER
FDI	FLUORESCENT DIMMER INTERFACE
HIR	HUMIDITY INTERFACE RELAY
IAD	INTERFACE ANALOG OUTPUT
IFP	INTERFACE PANEL
IOM	INPUT/OUTPUT MODULE
IR	INTERFACE RELAY
CR	CONTACTOR
MING	AHU INTERFACE AND/OR IO MODULE
PLM	PHASE LOSS MONITOR
PSOR	POWER SWITCHING OVERRIDE PANEL
PSP	POWER SWITCHING PANEL
ROP	REMOTE OVERRIDE PANEL
ELDP	ECLIPSE LIGHT DIMMING PANEL
UCM	UNITARY CONTROL MODULE
XCM 2DR	BUILDING EMS CONTROLLER
NOS	NIGHTTIME OVERRIDE SWITCH
S	MOMENTARY PUSH BUTTON SWITCH
---	NEW EQUIPMENT
---	EXISTING EQUIPMENT
---	FACTORY INSTALLED EQUIPMENT
---	EQUIPMENT TO BE DEMOLISHED

STIPULATION FOR REUSE

CONSULTANTS

Walmart
CAMDEN, SC
STORE NO. 06834-236

ISSUE BLOCK

CHECKED BY: JEE
DRAWN BY: TJP
PROTO CYCLE: 10/25/19
DOCUMENT DATE: 12/18/19

NOT FOR CONSTRUCTION

ENERGY MANAGEMENT PLAN

novar.

SHEET: EM1