

ISSUE BLOCK

NO.	DESCRIPTION	DATE

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DRAWN BY: JRL
PROTO CYCLE: 02/23/18
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GENERAL EMS NOTES

- 09.27.13 EN07
- TEMPERATURE AND CO2 SENSOR MOUNTING: PROVIDE 1/2" CONDUIT AND INSTALL EMS CABLE FROM SENSOR TO CONTROL MODULE. MOUNT SENSOR ON BOX. ALL SENSORS TO BE MOUNTED AT 84" UNLESS NOTED OTHERWISE. SENSORS ON SALES FLOOR SHALL BE MOUNTED ON THE FRONT OF THE 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 8" ABOVE TEMPERATURE SENSORS.
 - TERMINATIONS SHALL BE MADE IN ACCORDANCE WITH EMS SUPPLIER INSTALLATION INSTRUCTIONS. COIL OR UNBULB WIRES SHALL BE EXPOSED AT THE APPLICATION POINT OF HEAT SHRINK.
 - CABLE: PROVIDE CABLE ACCORDING TO DRAWING. DEVIATION FROM DRAWING WILL BE ACCEPTED. CABLES SHALL HAVE EACH END IDENTIFIED INDICATING WHERE THE PROPER END TERMINATES. IDENTIFICATION SHALL BE INSTALLED IN OR CABLE TRAY IN ALL AREAS OF BUILDING.

MINOR CHANGES IN MATERIALS OR TERMINATION POINTS SHALL INCREASE CONTRACTOR COST.

ROUTE EMS CONDUITS IN SALES AREA CONCEALED (IN WALLS, UNDER FLOOR CHASES). PROVIDE A TRANSITION FROM RUSUB EMS CONDUIT TO SMT OR FLEX. EMS CONDUITS SHALL BE RUN IN CONDUIT FULL LENGTH. BENEATH REFRIGERATED CASES, EMS CABLES AT BAR JOIST LEVEL IN THE STOCK ROOM CAN BE EXPOSED.

DEMOLITION: COORDINATE WITH ARCHITECTURAL DEMOLITION PLANS. 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 INFORMATION

- CONNECT SUSPENDED BUNKER LIGHTING ELDP TO IOM2-EDC1A OUTPUT 8 & INPUT 6. SETPOINTS: 6AM-10PM - ELDP - 9 VOLTS 10PM-6AM - ELDP - 7 VOLTS

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).

WIRE LEGEND

WRR-1010 (TAN CABLE 18-2, 20-2 TWISTED PAIR)
WRR-2020 (BLUE CABLE 22-2 TWISTED PAIR)
BELDEN 8719 (16-2 TWISTED PAIR)
BELDEN 8781 (22-2 TWISTED PAIR)
BELDEN 8771 (22-3 TWISTED PAIR)
BELDEN 9418 (18-4 WIREMAN GROUND)
BELDEN 1120A (18-3 TWISTED PAIR)

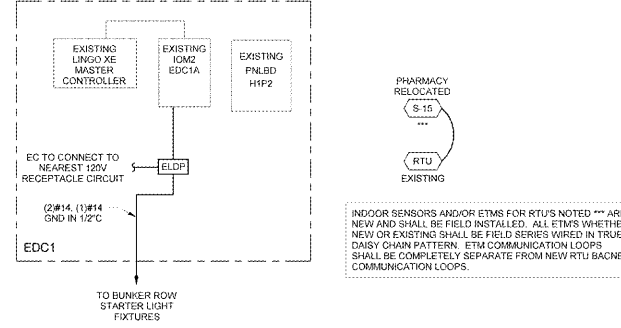
NOTES:

- ALL CABLE WIR-2020 UNLESS NOTED OTHERWISE
- ALL CABLE FURNISHED AND INSTALLED BY EMS CONTRACTOR.

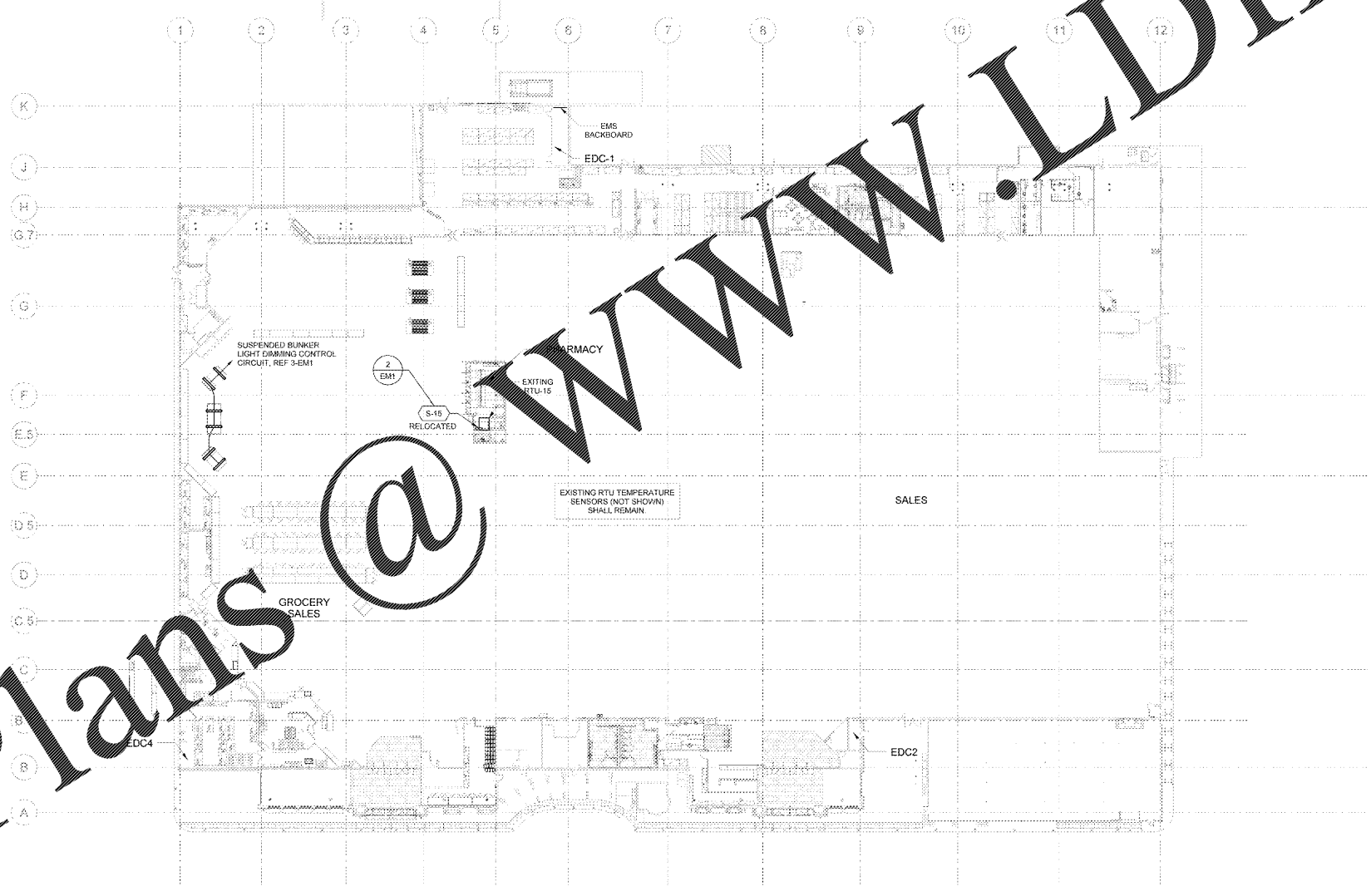
ON/OFF CONTROL INFORMATION

DESCRIPTION	TYPE	PANEL/CCT	BRKR POLES	BRKR TYPE	ON/OFF OUTPUT	DIM OUTPUT	DIM INPUT	ON/OFF PROGRAMMING	DIMMING PROGRAMMING
SUSPENDED PRODUCE STRIP LIGHTING	POWER SWITCHING	H1P2-23	1	EXISTING	SQD-H1P2	N/A	N/A	24/7 ON	N/A
SUSPENDED PRODUCE CYLINDER LIGHTING	POWER SWITCHING	H1P2-21	1	EXISTING	SQD-H1P2	N/A	N/A	24/7 ON	N/A
SUSPENDED BUNKER LIGHTING	POWER SWITCHING	H1P2-10	1	EXISTING	SQD-H1P2	IOM2-EDC1A-5	IOM2-EDC1A-6	24/7 ON	24/7 - 0V

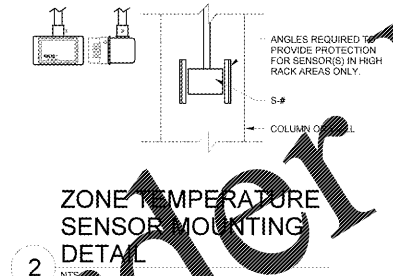
24 HOURS PRIOR TO SHUTTING DOWN ANY REFRIGERATION SYSTEMS, HVAC SYSTEMS, OR ENERGY MANAGEMENT SYSTEMS, SEND E-MAIL TO [KERN@WALMART.COM](mailto:kern@walmart.com). E-MAIL SHALL STATE WHAT, WHY, AND WHEN IT IS BEING SHUT DOWN AND HOW LONG IT IS ANTICIPATED TO BE DOWN. THEN FOLLOW UP E-MAIL TO KERN@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.



3 PARTIAL EMS ONE-LINE DIAGRAM
NTS



1 ENERGY MANAGEMENT PLAN
1" = 30'-0"



2 ZONE TEMPERATURE SENSOR MOUNTING DETAIL
NTS

EMS EQUIPMENT SALVAGE REQUIREMENTS

12.10.14 EN15

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

NOTE: ALL WORK ON THIS SHEET IS TO BE COMPLETED BY A WAL-MART APPROVED CONTRACTOR.

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.