

12/19/2017 2:45:29 PM

BIM 360://38227 7-11 Kissimmee FL @ Carroll St. & Dyer Blvd (17111)/38227 KISSIMMEE FL_Central MEP_R16.rvt

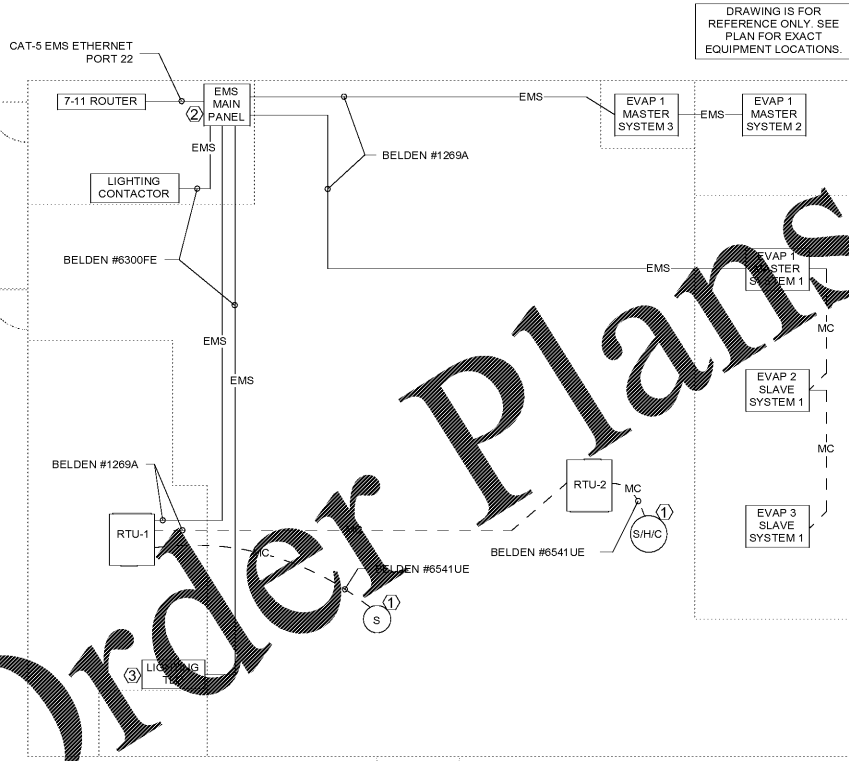
CONTRACTOR SCOPE OF WORK

- SENSOR LOCATION TO BE APPROVED BY 7-ELEVEN AND ALC PRIOR TO FINAL INSTALLATION. PROVIDE PICTURE OF PROPOSED LOCATION AND SEND TO ALC FOR APPROVAL.
 - MECHANICAL CONTRACTOR TO MOUNT/INSTALL SENSOR AND SENSOR WIRING.
 - MECHANICAL CONTRACTOR TO INSTALL ALL END DEVICES SHIPPED LOOSE WITH AIR HANDLING EQUIPMENT. THIS MAY INCLUDE CURRENT TRANSFORMERS, OUTDOOR AIR SENSORS, AND MIXED AIR SENSORS. WIRE END DEVICES TO IO FLEX CONTROLLER.
1. COORDINATE ROUTING AND FINAL LOCATIONS OF COMMUNICATIONS AND CONTROLS WIRING BETWEEN MECHANICAL, ELECTRICAL, AND LOW VOLTAGE CONTRACTOR.
 2. ALL EXTERIOR AND BELOW CEILING POWER, CONTROLS AND COMMUNICATIONS WIRING TO BE ROUTED IN CONDUIT. INSTALL CONDUIT FOR INTERIOR CONTROL AND COMMUNICATION WIRING ONLY IF REQUIRED BY AHJ.
 3. BELDEN CABLE NUMBERS ARE SHOWN ON WIRING DIAGRAM FOR CABLE REQUIREMENTS (SHIELDING, PLENUM RATING, AWG, ETC.) PROVIDE BELDEN CABLE AS SHOWN, OR CONTACT BEST WIRE AND CABLE FOR APPROVED ALTERNATE CABLE. CONTACT PATRICK HAMACK AT BEST WIRE AND CABLE (972) 658-9866 FOR QUESTIONS ABOUT CABLE REQUIREMENTS.
 4. PROVIDE ALL FIELD WIRING BETWEEN HVAC AND REFRIGERATION EQUIPMENT AS SHOWN IN 3EMS1.0
 5. INSTALL BACK-BOXES WITH CONDUIT STUB UP FOR COMBO SPACE TEMP/HUMIDITY/CO2 SENSORS. DEVICES TO BE PROVIDED BY CARRIER AND AUTOMATED LOGIC CORPORATION (ALC).
 6. PROVIDE FINAL INSTALLATION AND CONNECTION OF CONTROL WIRING TO: LIGHTING CONTROL SYSTEM INCLUDING OVERRIDE SWITCH, HVAC AND REFRIGERATION EQUIPMENT, COMBO SPACE TEMP/HUMIDITY/CO2 SENSORS, AND EMS SYSTEM.
 7. MOUNT AND PROVIDE POWER TO THE MAIN PANEL.
 8. ESTABLISH COMMUNICATION LINK BETWEEN THE MAIN PANEL AND BUILDING ETHERNET SWITCH.
 9. CONTACT THE EMS SYSTEM MANUFACTURER AT (866) 390-4275 AND PROVIDE STARTUP OF MAIN PANEL, LIGHTING CONTROLS, HVAC AND REFRIGERATION UNITS

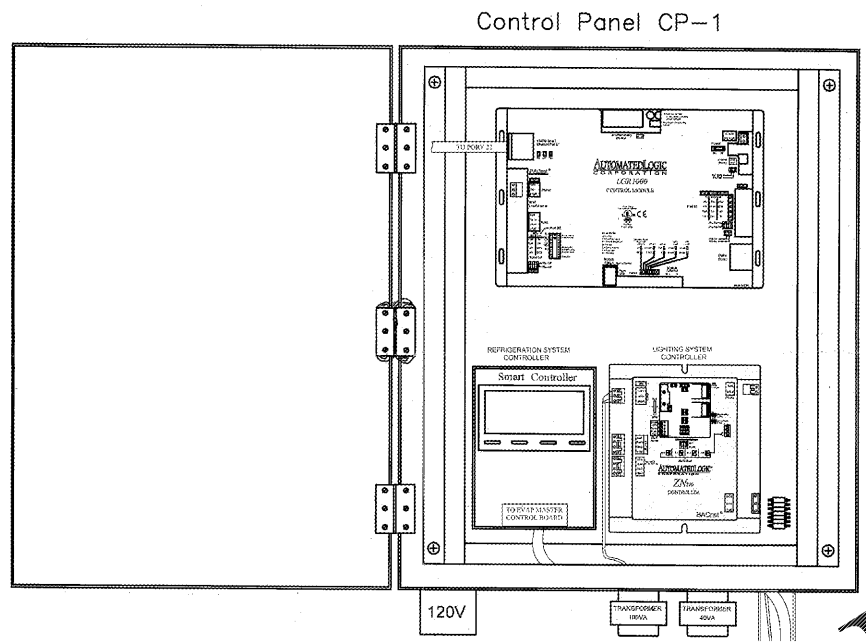
KEYED NOTES

- 1) COORDINATE LOCATION WITH MECHANICAL.
- 2) REFER TO 4EMS1.0 FOR TLO, HUMIDITY SENSOR AND LIGHTING CONTACTOR WIRING DETAIL. REFER TO 1EMS1.0 FOR SMART CONTROLLER AND EVAPORATOR WIRING DETAIL.
- 3) LIGHTING OVERRIDE SWITCH. INSTALL ON BACK WALL ABOVE WORK SURFACE OF WORKSTATION LOCATED IN BACK ROOM.

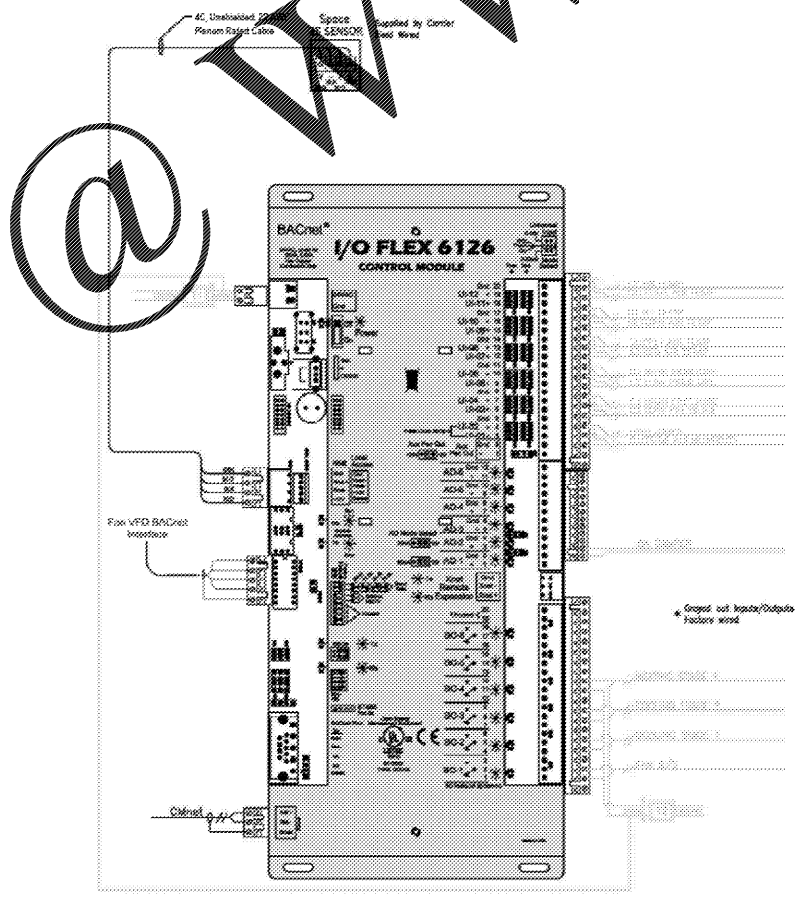
SYMBOL	DESCRIPTION
TLO	LIGHTING OVERRIDE SWITCH
SI/H/C	COMBO SPACE TEMP, HUMIDITY, CO2 SENSOR
S	TEMPERATURE SENSOR
-EC-	PROVIDED BY ELECTRICAL CONTRACTOR
-MC-	PROVIDED BY MECHANICAL CONTRACTOR
-EMS-	PROVIDED BY EMS CONTRACTOR



3 EMS FIELD WIRING DIAGRAM N.T.S.

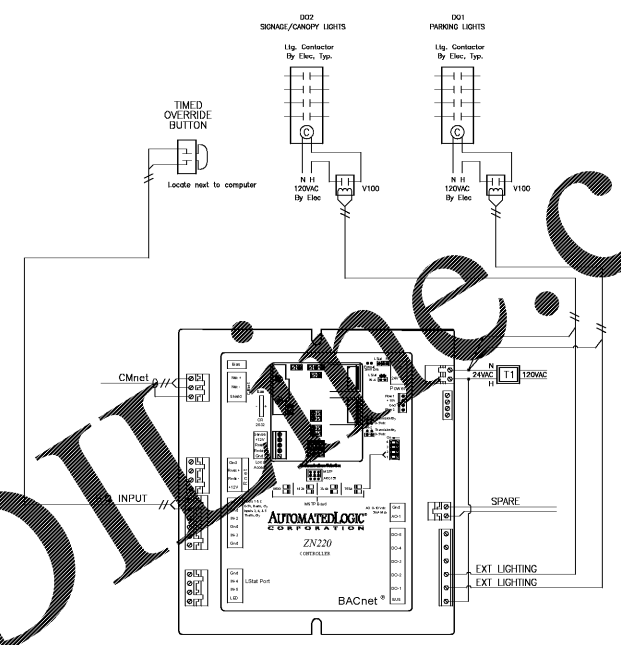


5 EMS CONTROL PANEL N.T.S.



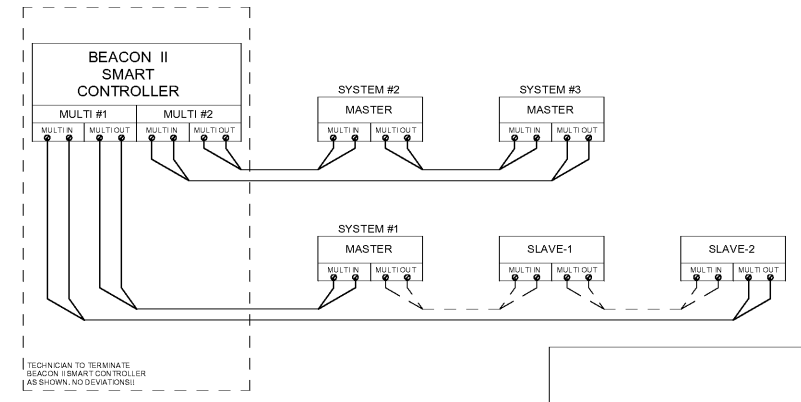
2 RTU CONNECTION DIAGRAM N.T.S.

Control Panel CP-1



4 LIGHTING CONTROLS CONNECTION DIAGRAM N.T.S.

DRAWINGS FOR INDICATION PURPOSES ONLY. NUMBER AND TYPE OF UNITS TO BE COORDINATED. INSTALLATION OF EMS BY AUTOMATED LOGIC (ALC).



1 REFRIGERATION SYSTEM CONNECTION DIAGRAM N.T.S.

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PROTO:08-21-2017

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REVISIONS	
NO.	DESCRIPTION

PROJECT NUMBER: 17111
 RELEASE DATE: 12/19/2017

ENERGY MANAGEMENT SYSTEM

EMS1.0