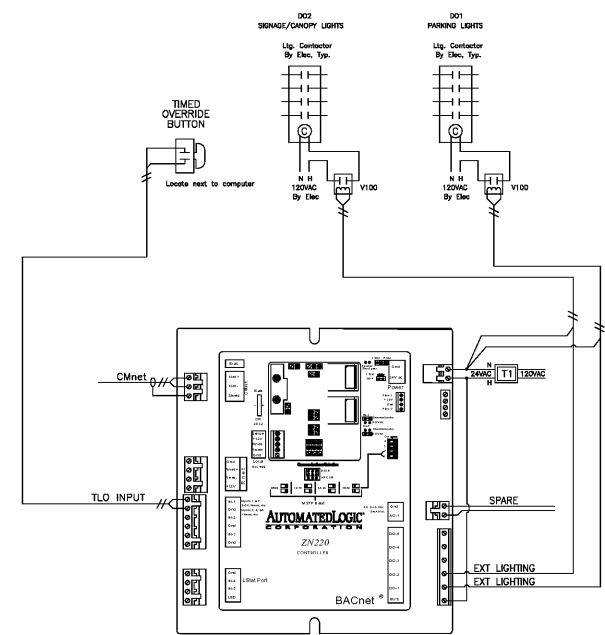
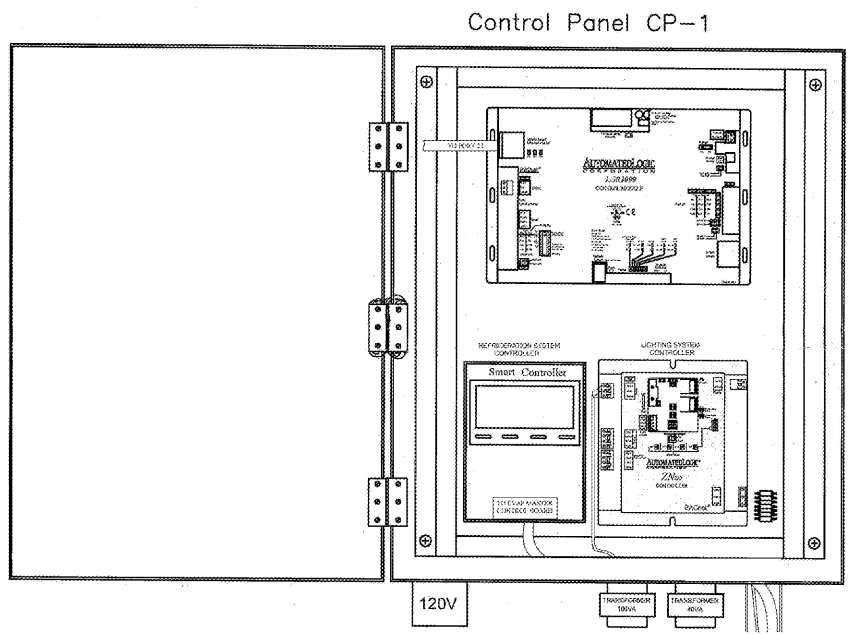


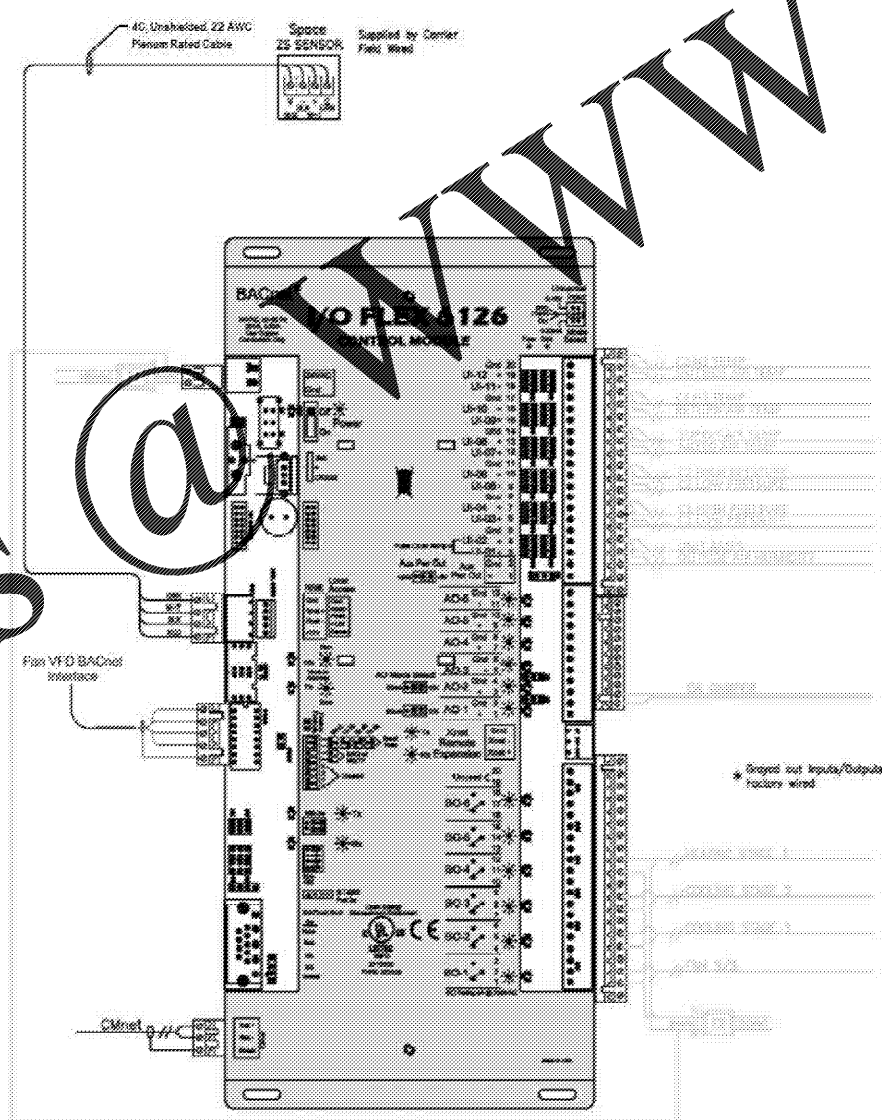
SEAL:



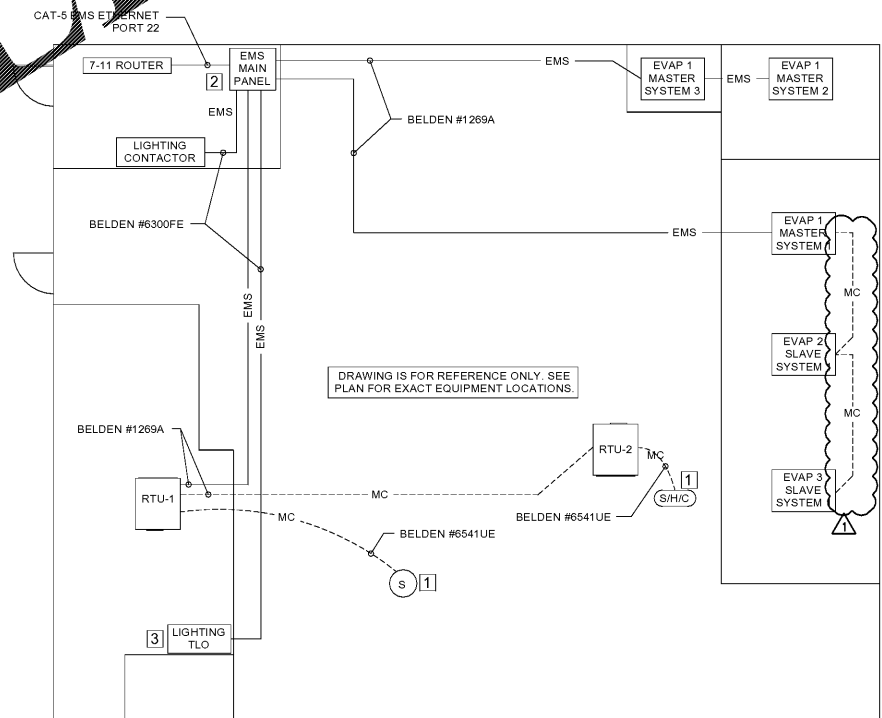
4 LIGHTING CONTROLS CONNECTION DIAGRAM
1'-0" = 1'-0"



5 EMS CONTROL PANEL
1'-0" = 1'-0"



2 RTU CONNECTION DIAGRAM
1'-0" = 1'-0"



CONTRACTOR SCOPE OF WORK

- SENSOR LOCATIONS TO BE APPROVED BY 7/11 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 10 FLEX CONTROLLER.

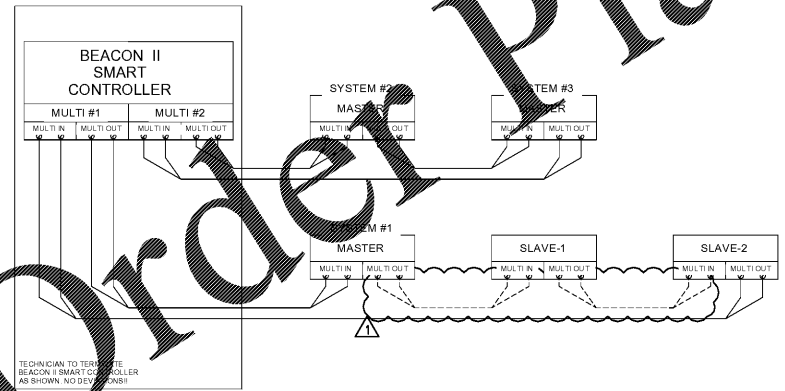
- COORDINATE ROUTING AND FINAL LOCATIONS OF COMMUNICATIONS AND CONTROLS WIRING BETWEEN MECHANICAL, ELECTRICAL AND LOW VOLTAGE CONTRACTOR.
- ALL EXTERIOR AND BELOW CEILING POWER, CONTROLS AND COMMUNICATIONS WIRING TO BE ROUTED IN CONDUIT. INSTALL CONDUIT FOR INTERIOR CONTROL AND COMMUNICATION WIRING ONLY IF REQUIRED BY AHJ.
- BELDEN CABLE NUMBERS ARE SHOWN ON WIRING DIAGRAM FOR CABLE REQUIREMENTS (SHIELDING, PLENUM RATING, AWG, ETC.). CONTRACTOR TO PROVIDE BELDEN CABLE AS SHOWN OR CONTACT BEST WIRE AND CABLE FOR APPROVED ALTERNATE CABLE. CONTACT PATRICK HAMACK AT BEST WIRE AND CABLE (972) 658-9966 FOR QUESTIONS ABOUT CABLE REQUIREMENTS.
- PROVIDE ALL FIELD WIRING BETWEEN HVAC AND REFRIGERATION EQUIPMENT AS SHOWN IN SEIMS 1.0.
- INSTALL BACK BOXES WITH CONDUIT STUB UP FOR COMBO SPACE / HUMIDITY / CO2 SENSOR. DEVICES TO BE PROVIDED BY CARRIER AND AUTOMATED LOGIC CORPORATION (ALC).
- PROVIDE FINAL INSTALLATION AND CONNECTION OF CONTROL WIRING TO LIGHTING CONTROL SYSTEM INCLUDING OVERRIDE SWITCH, HVAC AND REFRIGERATION EQUIPMENT, COMBO SPACE / HUMIDITY / CO2 SENSOR, AND EMS SYSTEM.
- MOUNT AND PROVIDE POWER TO THE MAIN PANEL.
- ESTABLISH COMMUNICATION LINK BETWEEN THE MAIN PANEL AND BUILDING ETHERNET SWITCH.
- CONTACT THE EMS SYSTEM MANUFACTURER AT (866) 390-4275 AND PROVIDE STARTUP OF MAIN PANEL, LIGHTING CONTROLS, HVAC AND REFRIGERATION UNITS.

KEYNOTES

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

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

1 EMS FIELD WIRING DIAGRAM
1/8" = 1'-0"



3 REFRIGERATION SYSTEM CONNECTION DIAGRAM
1'-0" = 1'-0"

Order Plans @ WWW.LDILine.com

1 06.21.17 PEER REVIEW COMMENTS
NO. DATE REMARKS



BID SET
JANUARY 8, 2018

**7-ELEVEN
STORE #32810**

5544 RONALD REAGAN PARKWAY
DAVENPORT, FL
33896

PROJECT NO: 2016.0305
DATE: MAY 31, 2017

EMS1.0
ENERGY MANAGEMENT
SYSTEM

CHECKED: AS DRAWN: MM

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