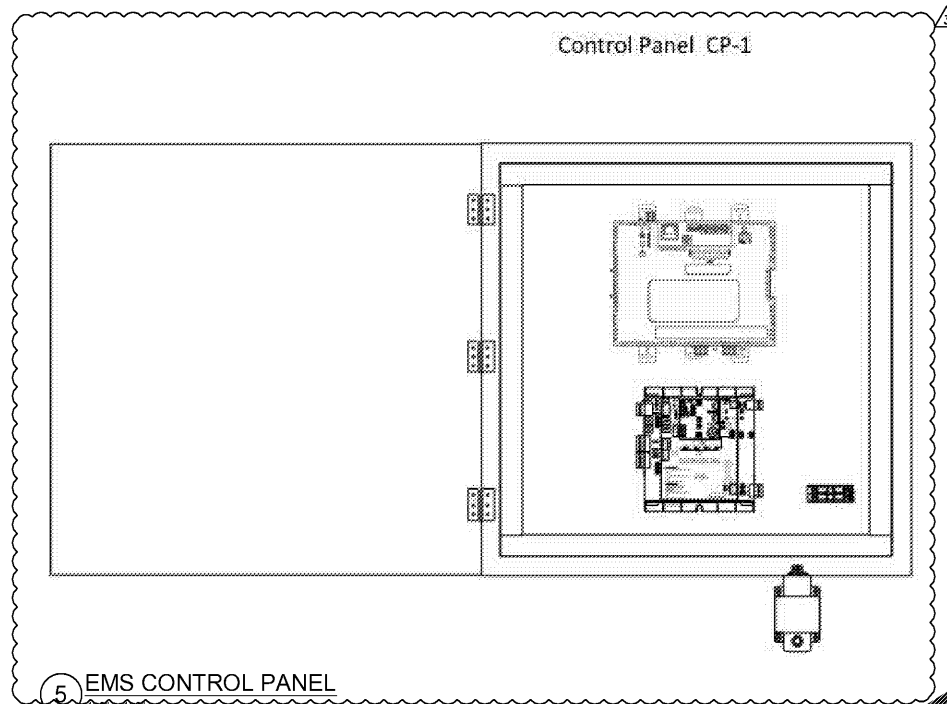
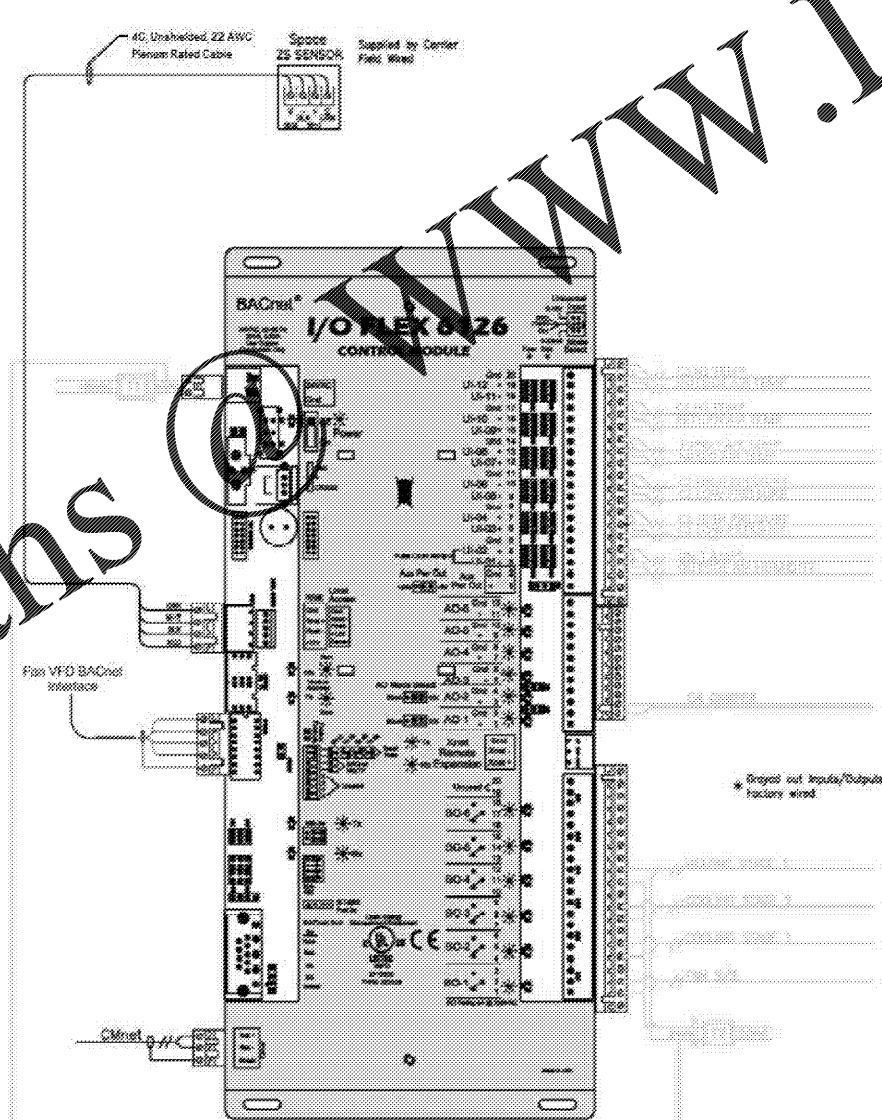


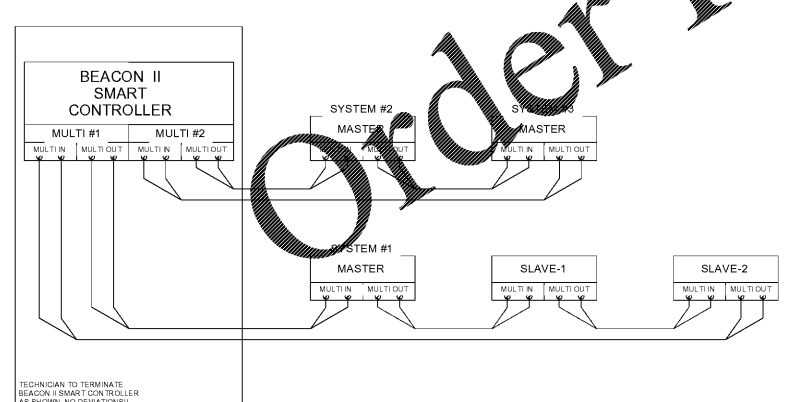
4 LIGHTING CONTROLS CONNECTION DIAGRAM
1'-0" = 1'-0"



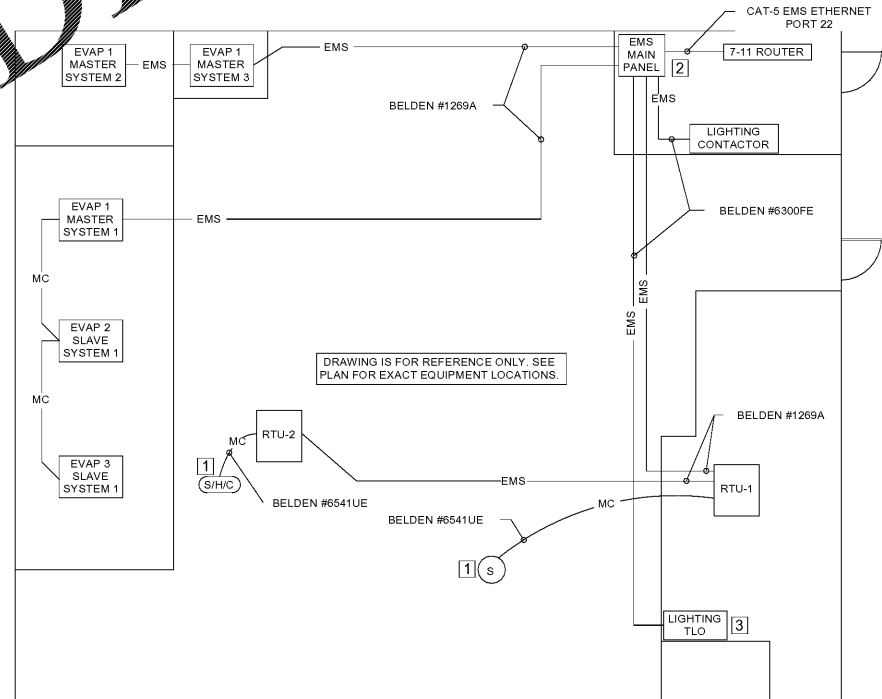
5 EMS CONTROL PANEL
1'-0" = 1'-0"



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



3 REFRIGERATION SYSTEM 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 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) 628-9989 FOR QUESTIONS ABOUT CABLE REQUIREMENTS.
- PROVIDE ALL FIELD WIRING BETWEEN HVAC AND REFRIGERATION EQUIPMENT AS SHOWN IN SEMS1.0
- 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.

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

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
SI/H/C	COMBO SPACE / HUMIDITY / CO2 SENSOR
EC	PROVIDED BY ELECTRICAL CONTRACTOR
MC	PROVIDED BY MECHANICAL CONTRACTOR
EMS	PROVIDED BY EMS CONTRACTOR

INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

AR0011595
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FOR BIDDING ONLY
09/03/2020

NO.	DATE	REVISIONS	REMARKS
3	08.28.20	PEER COMMENTS	



7-ELEVEN
STORE #41559

1245 S. VOLUSIA AVENUE
Orlando City, FL 32763

PROJECT NO: 2019.0743
DATE: APRIL 7, 2020

EMS1.0
ENERGY MANAGEMENT SYSTEM

CHECKED: JL DRAWN: JR
JONLOP - 09/02/2020 3:35:01 PM

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