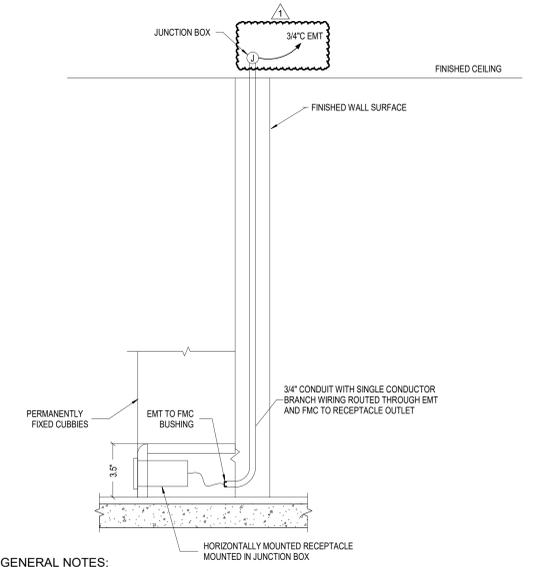


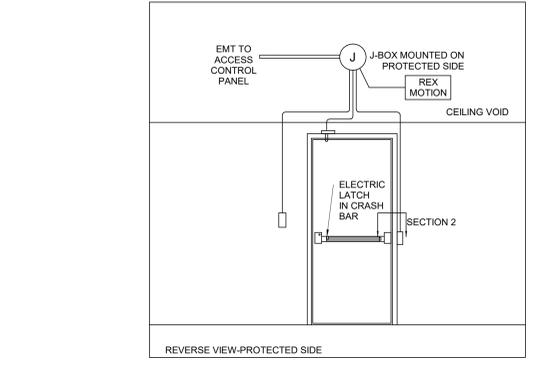
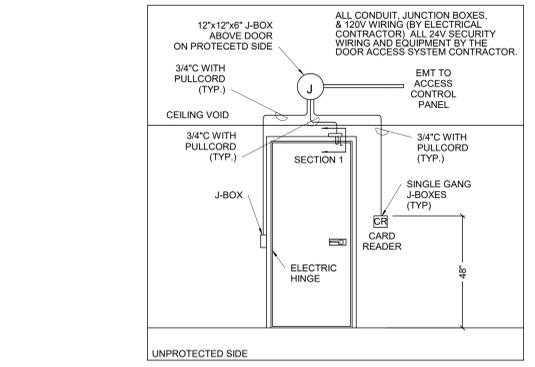
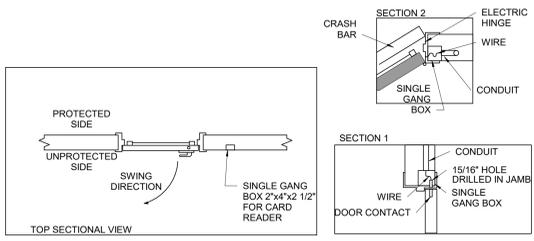
- NOTES:**
- IT IS THE INTENT FOR THE TELECOMMUNICATION GROUNDING SYSTEM TO UTILIZE THE "GROUND ELECTRODE CONDUCTOR (GEC)" ASSOCIATED WITH THE ELECTRICAL SERVICE ENTRANCE TO THE PROJECT SITE.
  - FROM THE GEC, THE ELECTRICAL CONTRACTOR SHALL INSTALL A BONDING CONDUCTOR WHICH WILL CONNECT THE GEC TO A TELECOMMUNICATIONS MAIN GROUNDING BUS BAR (TMGB) LOCATED IN THE EXISTING MDF. THE BONDING CONDUCTOR SHALL BE BONDED TO THE GEC AND THE TMGB. ADDITIONALLY, THE TMGB SHALL BE BONDED TO THE CLOSEST VERTICAL BUILDING STEEL AND STEEL CONDUIT RACEWAY OR CABLE TRAY DESIGNATED FOR TELECOMMUNICATIONS USE.
  - A BONDING CONDUCTOR (THE TELECOMMUNICATIONS BONDING BACKBONE) SHALL CONNECT THE TMGB TO ALL TELECOMMUNICATION CLOSETS (IDFs) WITHIN THE FACILITY, SPECIFICALLY TO A TELECOMMUNICATIONS GROUNDING BUSBAR (TGB) LOCATED IN EACH IDF. ADDITIONALLY, THE TGB WILL BE BONDED TO THE CLOSEST AVAILABLE VERTICAL BUILDING STEEL AND STEEL CONDUIT RACEWAY OR CABLE TRAY DESIGNATED FOR TELECOMMUNICATIONS USE.
  - COMPONENTS CRITERIA:
    - BUSBARS:
      - PREDRILLED ELECTROPLATED COPPER BUSBAR PROVIDED WITH STANDARD NEMA BOLT HOLE SIZING AND SPACING FOR TWO HOLE COMPRESSION CONNECTORS OR EXOTHERMIC TYPE WELDED CONNECTORS.
      - REFER TO DETAIL E00.03-2 FOR TELECOM BUSBAR REQUIREMENTS.
    - BONDING CONDUCTOR:
      - TELECOMMUNICATIONS BONDING BACKBONE SHALL BE A MINIMUM OF GAUGE STRANDED AND INSULATED CONDUCTOR IN 3/4" EMT.
      - THE CONDUCTOR SHALL BE CONTINUOUS AND ROUTED IN THE SHORTEST POSSIBLE STRAIGHT LINE PATH FROM THE MDF TO IDFS.

TELECOMMUNICATIONS GROUNDING SYSTEM TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR

**5 DETAIL - TELECOMMUNICATIONS SYSTEM GROUNDING**  
NOT TO SCALE

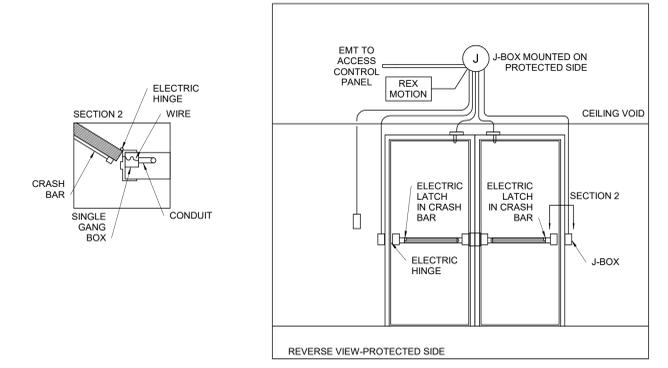
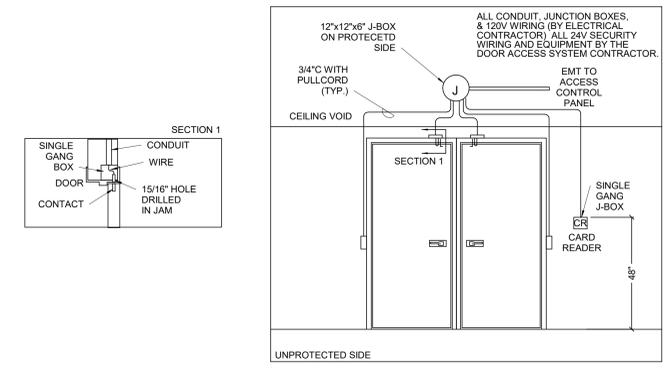


**4 HORIZONTAL MOUNTING**  
NOT TO SCALE



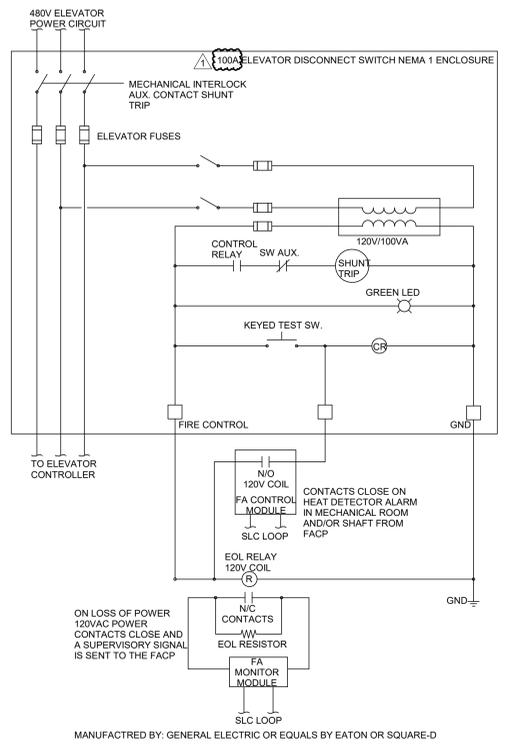
- GENERAL NOTES:**
- REFER TO DOOR HARDWARE SPECIFICATION FOR DOOR HARDWARE.
  - THE INSTALLATION OF ALL CONDUIT, WIRING, JUNCTION BOXES, TERMINATIONS, CARD READERS AND DEVICES SHALL BE COORDINATED BETWEEN THE ELECTRICAL, SECURITY AND DOOR HARDWARE CONTRACTORS PRIOR TO INSTALLATION.
  - POWER SUPPLIES SHALL BE LOCATED IN READILY ACCESSIBLE LOCATION AT NEAREST NETWORK CLOSET, NOT ABOVE CEILINGS.

**2 DETAIL - EXTERIOR SINGLE DOORS W/CRASH BAR**  
NOT TO SCALE



- GENERAL NOTES:**
- REFER TO DOOR HARDWARE SPECIFICATION FOR DOOR HARDWARE.
  - THE INSTALLATION OF ALL CONDUIT, WIRING, JUNCTION BOXES, TERMINATIONS, CARD READERS AND DEVICES SHALL BE COORDINATED BETWEEN THE ELECTRICAL, SECURITY AND DOOR HARDWARE CONTRACTORS PRIOR TO INSTALLATION.
  - POWER SUPPLIES SHALL BE LOCATED IN READILY ACCESSIBLE LOCATION AT NEAREST NETWORK CLOSET, NOT ABOVE CEILINGS.
  - THIS DOOR DETAIL IS A GENERAL DETAIL AND DOES NOT REFLECT THE ACTUAL DOOR PROVIDED. THE CONTRACTORS SHALL COORDINATE WITH ALL APPLICABLE TRADES.

**4 DETAIL - EXTERIOR DOUBLE DOORS W/CRASH BARS**  
NOT TO SCALE



**3 ELEVATOR DISCONNECT SWITCH**  
NOT TO SCALE



1. THESE DRAWINGS ARE THE SOLE PROPERTY OF THE STATE OF NORTH CAROLINA. THE USE OF THESE DRAWINGS MUST COMPLY WITH GOOD STATE OF NORTH CAROLINA STANDARD FORM OF AGREEMENT BETWEEN OWNER AND DESIGNER.  
2. MATERIALS, DIMENSIONS AND ALL OTHER CONDITIONS WHICH ARE NOT OTHERWISE SPECIFIED ON THIS DRAWING SHALL BE CONTROLLED BY THE SAME MEANINGS AS EARLIER INDICATED CONDITIONS WHICH ARE MORE FULLY DEFINED ELSEWHERE ON THIS PROJECT OR OTHER DRAWINGS OF THIS PROJECT.  
3. DO NOT SCALE OFF DIMENSIONS.

NO.	DATE	DESCRIPTION
1	02/20/2024	ADDENDUM 01

2/19/2024 3:32:02 PM