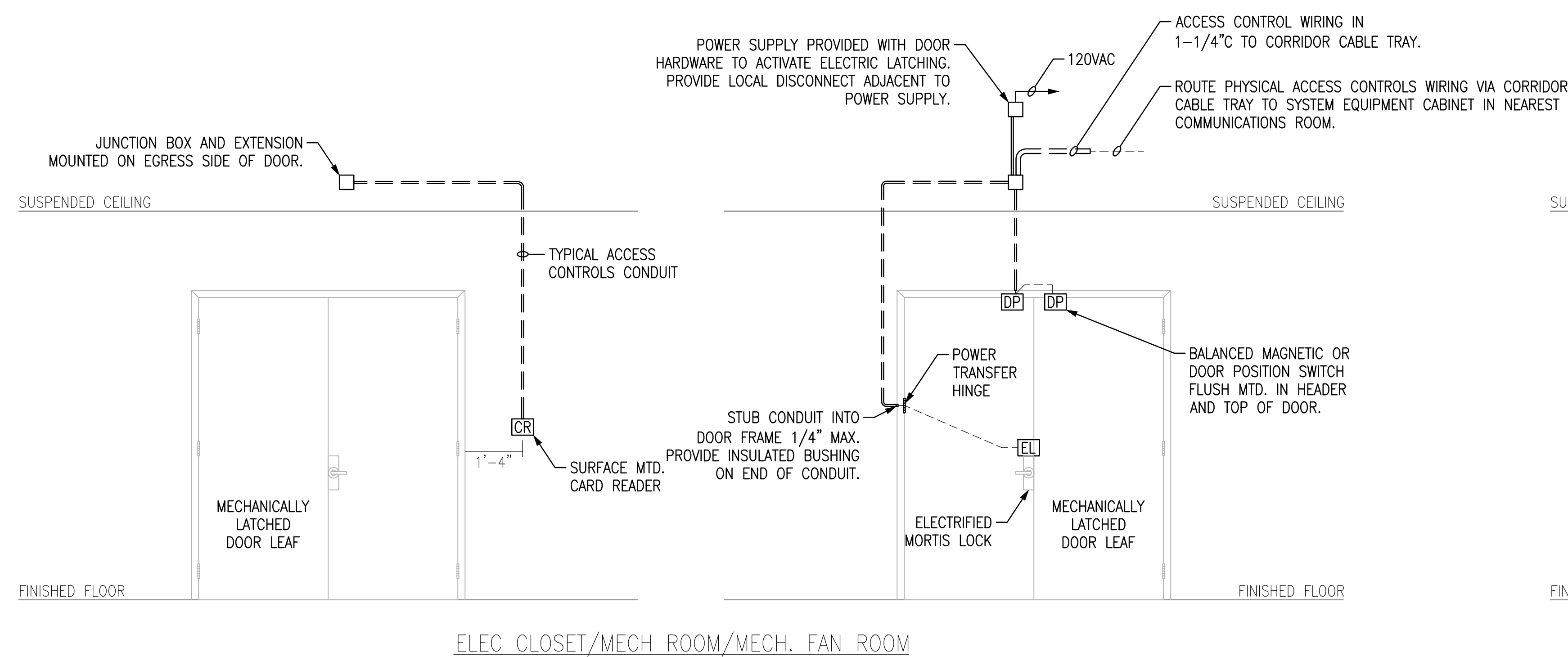
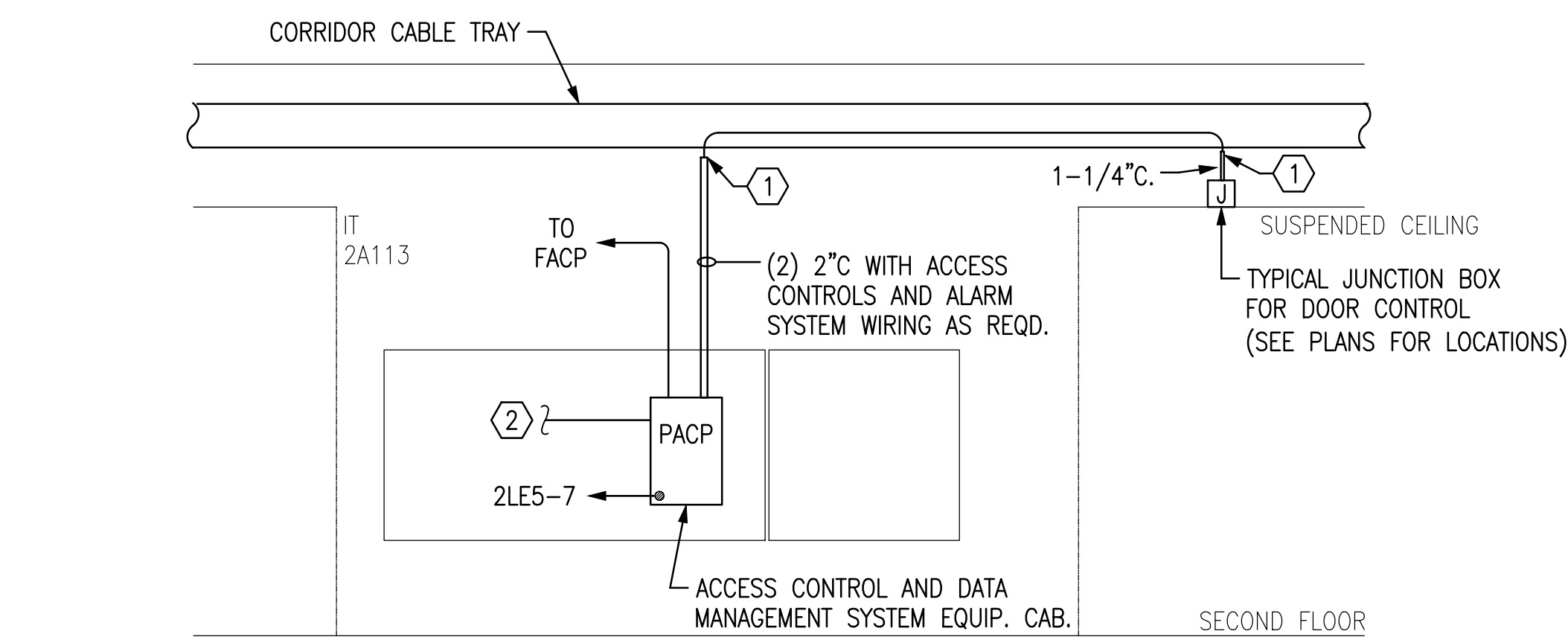


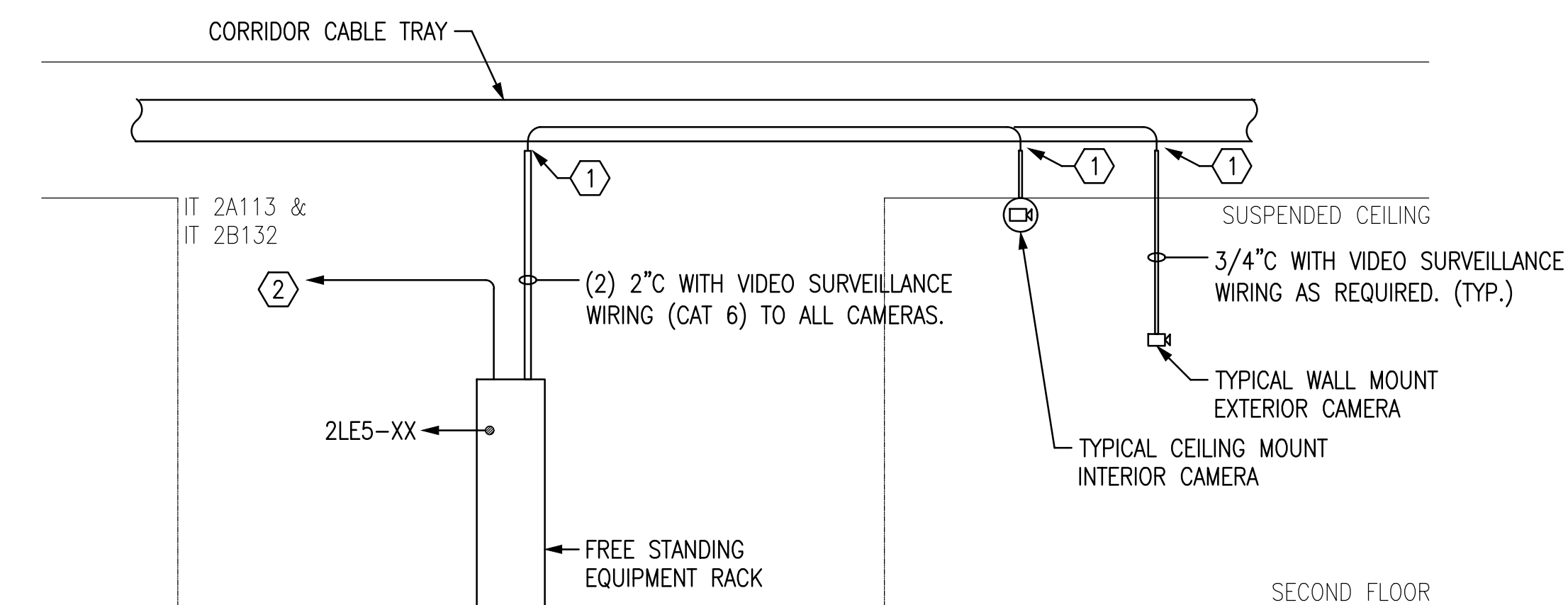
1 ELECTRONIC SAFETY AND SECURITY SYSTEM NETWORK CONNECTION DIAGRAM  
N.T.S.



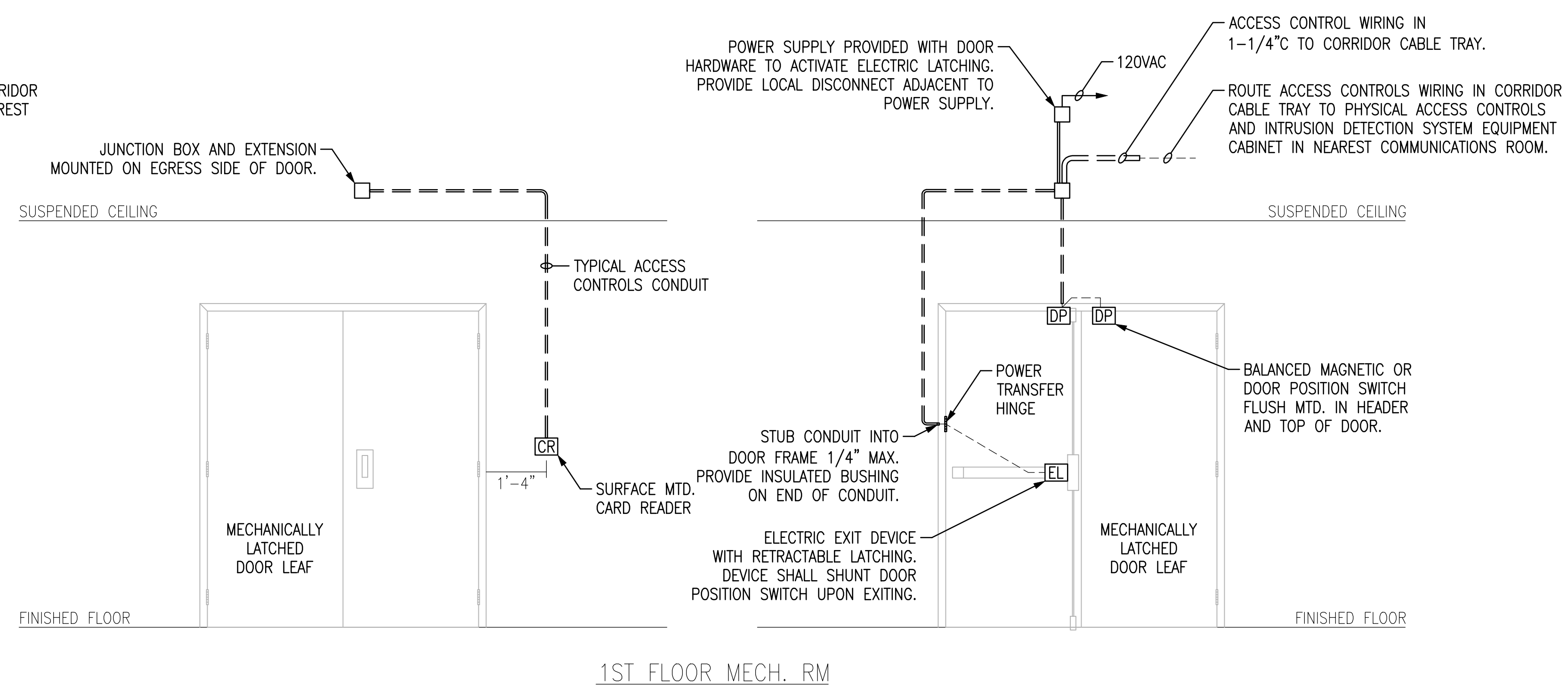
4 ELECTRONIC SECURITY SYSTEM DETAIL - DOOR CONTROL TYPE "5"  
N.T.S.



2 TYPICAL PHYSICAL ACCESS CONTROLS SYSTEM RISER  
N.T.S.



3 TYPICAL VIDEO SURVEILLANCE SYSTEM RISER  
N.T.S.



5 ELECTRONIC SECURITY SYSTEM DETAIL - DOOR CONTROL TYPE "6"  
N.T.S.

- SHEET NOTES

- A. ALL COMPONENTS OF THE ACCESS CONTROL SYSTEM SHALL BE UL294 LISTED.
- B. ACCESS CONTROLS WIRING SHALL BE INSTALLED IN 1/2" C. UNO.
- C. DOORS, FRAMES, HARDWARE AND LOCKING HARDWARE PROVIDED AND INSTALLED BY OTHERS.
- D. DASHED LINES INDICATE ITEMS CONCEALED IN WALL OR ABOVE CEILING.
- E. LATCH AND HINGE SIDES OF DOORS ARE VARIED FOR INDIVIDUAL DOORS. VERIFY LATCH AND HINGE SIDE FOR EACH DOOR PRIOR TO ROUGH-IN.
- F. FOR DOUBLE DOORS, VERIFY WHICH DOOR LEAF WILL BE EQUIPPED WITH ELECTRIC EXIT DEVICE PRIOR TO ROUGH-IN.
- G. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF PUSH PLATES AND CARD READERS.
- H. VERIFY ALL CONDUIT SIZES, BOX SIZES AND CONNECTIVITY WITH ELECTRONIC SECURITY SYSTEM INSTALLER PRIOR TO ROUGH-IN. ANY CHANGES REQUIRED AFTER ROUGH-IN SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE GOVERNMENT.

## SHEET KEYNOTES

1. EXTEND CONDUIT TO CORRIDOR CABLE TRAY. PROVIDE INSULATED GROUNDING BUSHING AT CONDUIT TERMINATION AND BOND TO CABLE TRAY WITH #8 INSULATED COPPER CONDUCTOR.
2. CONNECTION TO ELECTRONIC SECURITY SYSTEM (ESS) NETWORK. SEE DETAIL NO. 1 THIS SHEET.
3. RACK MTD. ESS NETWORK EQUIP. AS REQ'D. EQUIP. SHALL INCLUDE FIBER OPTIC PATCH PNL, FIBER OPTIC MEDIA CONVERTER, AND ETHERNET SWITCH.
4. RACK MTD. VSS EQUIP. AS REQ'D. TO SERVE CAMERAS. EQUIP. SHALL INCLUDE PoE SWITCHES/PATCH PNLS FOR ALL CAMERAS PLUS 25% SPARE CAPACITY.
5. PACS SYSTEM WIRING TO INDIVIDUAL DOORS.
6. FREE STANDING EQUIP. RACK.
7. PROVIDE NEW FIBER OPTIC PATCH PNL. IN EXIST. RACK, FOR ESS NETWORK.
8. 1" C. WITH FIBER OPTIC NETWORK BACKBONE CABLE AS REQ'D. FOR CONNECTION TO EXIST. ESS SYSTEM. FOR HORIZONTAL RUNS, THE INTERSTITIAL CABLE TRAY MAY BE USED. EXTEND CONDUIT TO TRAY, AND BOND WITH #10 GND. CONDUCTOR.
9. EXIST. ESS BACKBONE IS CONFIGURED IN A LOOP SYSTEM BETWEEN ALL COMM. RMS. NEW FIBER SHALL MATCH EXIST. AND BE PATCHED TO CONTINUE LOOP CONFIGURATION.

[illegible]