



RMCS CONTROL ENCLOSURES

NO SCALE

NOTES:

1. PROVIDE FACTORY CONSTRUCTED IP21 ENCLOSURE WITH HINGED ACCESS DOOR AND LATCH. INSTALL DIN RAIL AS NEEDED FOR EQUIPMENT MOUNTING AND UTILIZE CABLE DUCT AND PANDUIT FOR ORGANIZATION AND NEATNESS. ENCLOSURE BAYING IS ACCEPTABLE; HOWEVER, DOORS SHOULD NOT EXCEED 2'-0" WITHOUT COORDINATING AVAILABLE CLEARANCE.
2. PROVIDE ALL CONNECTIONS FOR INSTALLED EQUIPMENT. REFERENCE HVAC CONTROL DIAGRAMS AND ELECTRICAL LIGHTING PANELS TO DETERMINE AND INCORPORATE ENTIRE SCOPE OF CONTROL WORK.
3. SUBMIT ENCLOSURE LAYOUT AND ROOM LAYOUT WITH RMCS SUBMITTAL.
4. LABEL CONTROL ENCLOSURE WITH LOGICAL NAME
5. ROUTE WIRES NEATLY UTILIZING WIRE DUCTS/PANDUIT WITHIN THE CONTROL CABINET AND WITHOUT PERMANENT MEANS OF BUNDLING CABLES TOGETHER. I.E. HOOK AND LOOP STRAPS, WAXED LACE STITCHING, PLASTIC SPIRAL WRAPS, ETC.
6. TERMINATE WIRES INTO TERMINALS WITH APPROPRIATE INSULATED WIRE FERRULES, COMPRESSION LUGS, FORK ENDS, ETC. CRIMP AND LABEL WIRE ENDS WITH POINT NUMBER AND LOGICAL NAME. MAINTAIN CONSISTENT WIRE COLOR CODING AND LABELING.
7. INSTALL DIN RAILS WITH EXCESS ROOM FOR EXPANSION WHERE POSSIBLE.
8. WHEN A NETWORK CABLE (RJ45, CAT5E, CAT6 ETC) LANDS IN A CONTROL CABINET INCLUDE A FEMALE CONNECTION POINT FOR LOCAL MAINTENANCE.
9. LABEL ALL INPUT AND OUTPUTS ON INSTALLED CONTROLLERS WITH POINT NUMBER AND LOGICAL NAME.
10. PROVIDE CORRESPONDING LAMINATED ELECTRICAL AND CONTROL DIAGRAMS WITHIN THE CONTROL PANEL.

| | | | |
|------------------|---|------|---------------------------------|
| DATE JUN 2022 | DEFENSE COMMISSARY AGENCY DIRECTORATE OF ENGINEERING FORT LEE, VIRGINIA - LACKLAND AFB, TEXAS | | DESIGN STANDARD 230916-03 |
| | TITLE TYPICAL RMCS CONTROL ENCLOSURES | REF. | |
| | | REV. | |