



NOTES:

1. PROVIDE A COMPLETE CONTROL SYSTEM CONSISTING OF A HIGH-SPEED, PEER-TO-PEER NETWORK OF APPLICATION CONTROLLERS RESIDING ON A CONTROL SYSTEM'S SUB-NETWORK WITH A LOCAL AND WEB-BASED OPERATOR INTERFACE.
2. COORDINATE ALL MINS RELAYS, FIRE ALARM, LIGHTING, HVAC, AND MISCELLANEOUS UNIT CONTROLLERS WITH DIVISION 23 AND 28 TO MINIMIZE EQUIPMENT CONFLICTS. PROVIDE GATEWAYS (OR CONTROLLERS) WHERE NECESSARY TO UTILIZE THE SAME COMMUNICATION PROTOCOL AS THE RMCS CONTROL PLATFORM SUCH THAT ALL SPECIFIED POINTS AND ADJUSTABLE CONTROL FUNCTIONS ARE AVAILABLE THROUGH THE RMCS WORKSTATION.
3. INCLUDE ALL PROGRAMMING, OBJECTS, AND SERVICES REQUIRED TO MEET THE SEQUENCE OF CONTROL.
4. PROVIDE AN OPERATOR WORKSTATION ON SITE, COMPLETE WITH SOFTWARE CAPABLE OF PROGRAMMING, CONFIGURING, AND MONITORING THE DIGITAL CONTROLLERS.
5. INSTALL THE ELECTRICAL EQUIPMENT, CONDUCTORS, AND ALL OTHER RELATED ITEMS IN ACCORDANCE WITH NFPA 70.
6. INSTALL ANY FIRE ALARM DEVICES AND RELATED EQUIPMENT IN ACCORDANCE WITH NFPA 72, NFPA 90A, NFPA 101, SBCCI, AND ANY APPLICABLE ANSI STANDARDS.
7. PROVIDE ALL NECESSARY: CONTROL POWER, CONTROL POWER WIRING, VALVES, ACTUATORS, CONDUIT, WIRING CONTROLLERS, INTERFACE, SWITCHES, CIRCUIT BOARDS, SENSORS, GATEWAYS, PROGRAMMING, LABOR, ETC. FOR A COMPLETE AND OPERATIONAL SYSTEM. MAKE FINAL CONNECTION TO DRY CONTACTS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

RMCS BASIC CONTROL RISER

NO SCALE

DATE
JUN 2022

DEFENSE COMMISSARY AGENCY
DIRECTORATE OF ENGINEERING
FORT LEE, VIRGINIA - LACKLAND AFB, TEXAS

TITLE
REFRIGERATION MONITORING AND CONTROL /
ALARM SYSTEM COMMUNICATION EQUIPMENT

DESIGN STANDARD
230916-04

REF.
REV.