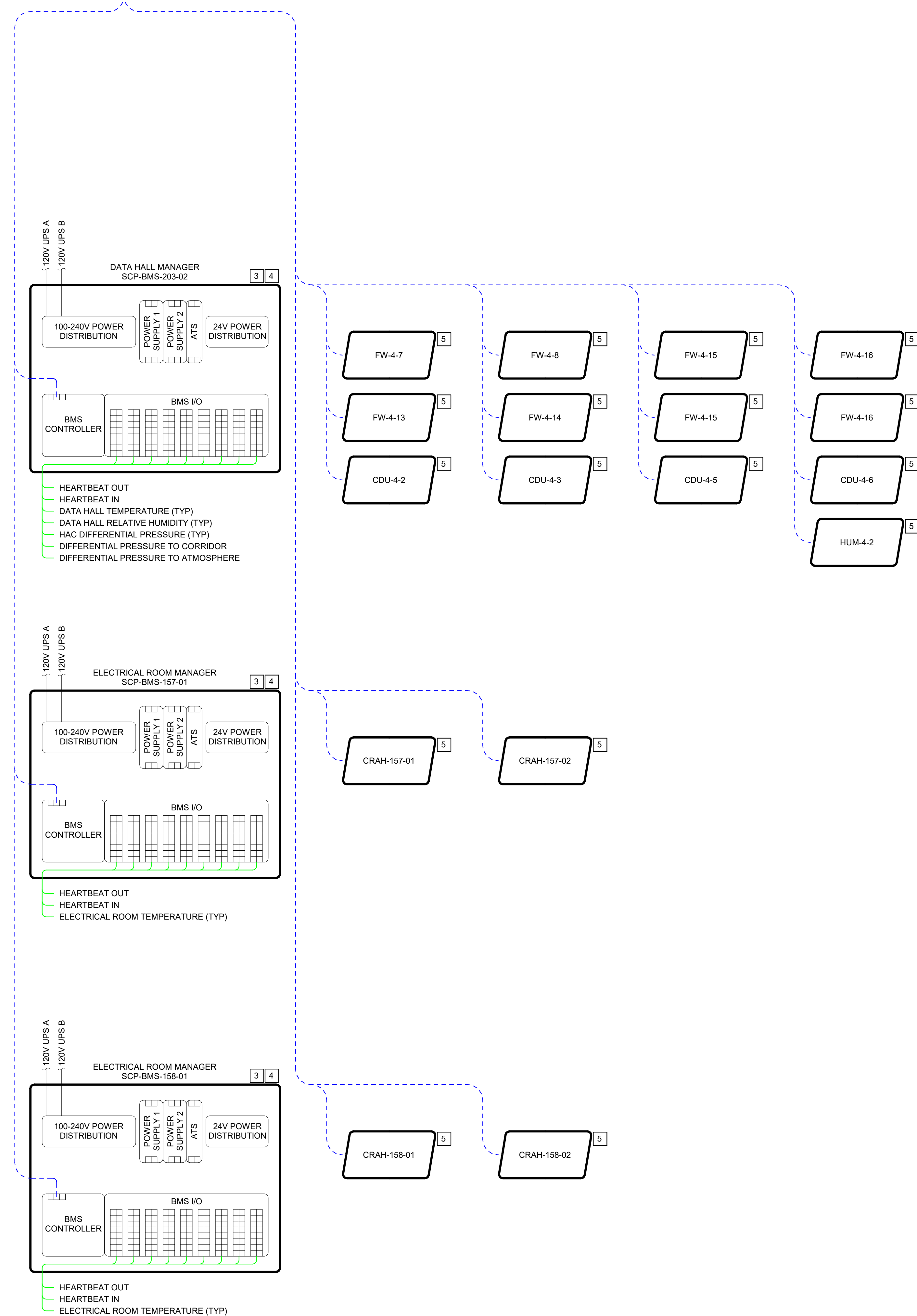
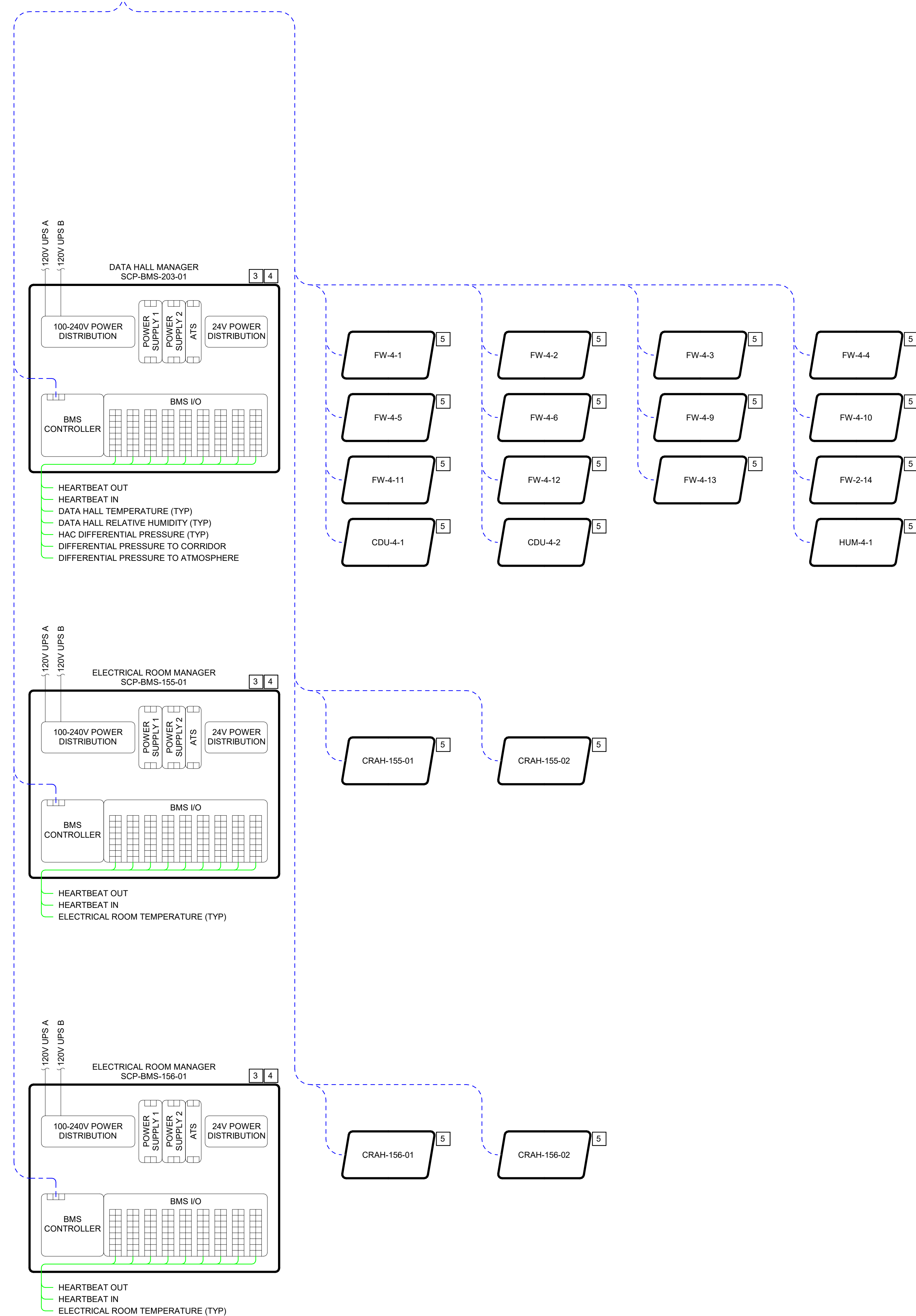
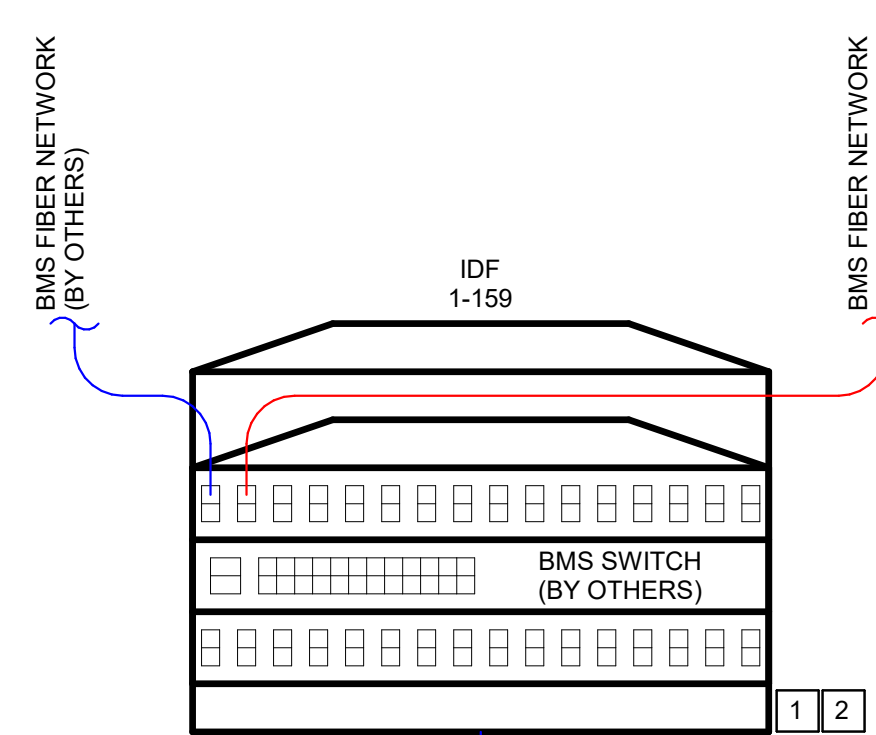
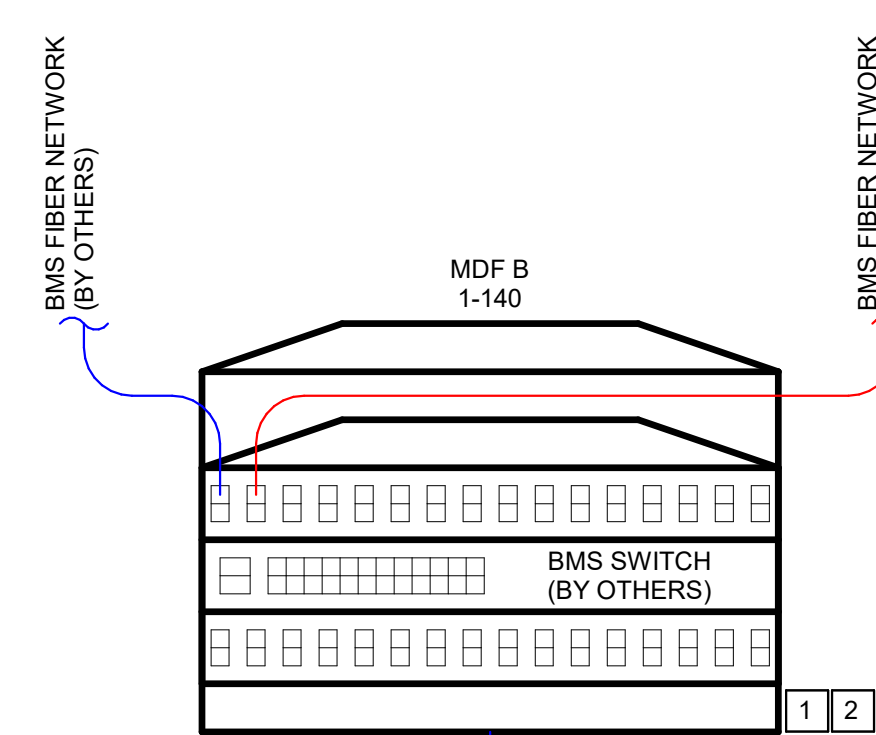




- ## GENERAL NOTES

1. CONTROLS CONTRACTOR TO PROVIDE PANEL MOUNTED POWER SUPPLY IN EACH BMS CONTROL PANEL.
2. LOSS OF COMMUNICATIONS BETWEEN BMS/EPMS AND EQUIPMENT SHALL TRIGGER AN ALARM AT THE OPERATOR WORKSTATION.
3. CONTROLS CONTRACTOR TO FURNISH AND INSTALL SUFFICIENT HARDWARE AND SOFTWARE CAPACITY TO ACCOMMODATE FUTURE EQUIPMENT IN THE DAY 1 BUILD.

KEYED NOTES

- 1 BMS/EPS NETWORK CABLES/FURNISHED AND
INSTALLED BY THE CONTROLS CONTRACTOR.
2 SUPPLY AND INSTALL THE FOLLOWING DEVICES IN COMPLIANCE WITH OWNER SPECIFICATION.
- 3 SUPERVISORY SERVER HARDWARE AND REDUNDANCY
CONTROLLER CONTROLS CONTRACTOR.
- 4 DUAL 120VAC POWER CIRCUITS (BY OTHERS) FROM
DIVERSE UPS PANELS TO CONTROL CONTRACTOR
REDAUNDANT CONTROLLER AND INSTRUMENTATION
DEDICATED TO EACH PANEL AND NOT SHARED WITH
ANY OTHER DEVICES OR PANELS. CONTROLS CONTRACTOR
TO VERIFY AND RECORD THE LOCATION OF EACH
REDAUNDANT CONTROLLER AND INSTRUMENTATION
CIRCUIT. THE CONTRACTOR SHALL VERIFY THE
CIRCUITS ARE NOT SHARED AND THEREFORE BE
SEAMLESS AND NOT CAUSE ANY INTERRUPTION IN
OPERATION FOR INSTRUMENTATION.
- 5 CONTROLS CONTRACTOR PROVIDED CONTROL PANEL
FURNISH AND INSTALL SENSORS IN QUANTITIES AND AT
LOCATIONS INDICATED BY THE FLOOR PLANS AND
POINTS LISTS.
- 6 EQUIPMENT VENDOR PROVIDED CONTROLLER
CONTROLS CONTRACTOR SHALL INTERFACE TO
EQUIPMENT VENDOR HARDWARE AND
CONTROLS CONTRACTOR FURNISH TERMINAL STRIP. REFERENCE
POINTS LIST FOR EQUIPMENT-SPECIFIC DETAILS.
- 7 VAV TERMINAL UNIT CONTROLLER: CONTROLS
CONTRACTOR SHALL PROVIDE VAV TERMINAL UNIT
CONTROLLER. ACTUATOR DISCHARGE AIR TEMPERATURE SENSOR,
RETURN AIR TEMPERATURE SENSOR, AND DISCHARGE AIR IN THE
FIELD. VAV CONTROLS TRANSFORMER FURNISHED WITH
EQUIPMENT VENDOR. UNIT CONTROLLER SHALL BE

[illegible][illegible]

kW Mission Critical Engineering
 Contact: Alex Tate Phone: 404.829.8031
 Engineer:
 License #: Exp. Date:

NOT FOR CONSTRUCTION

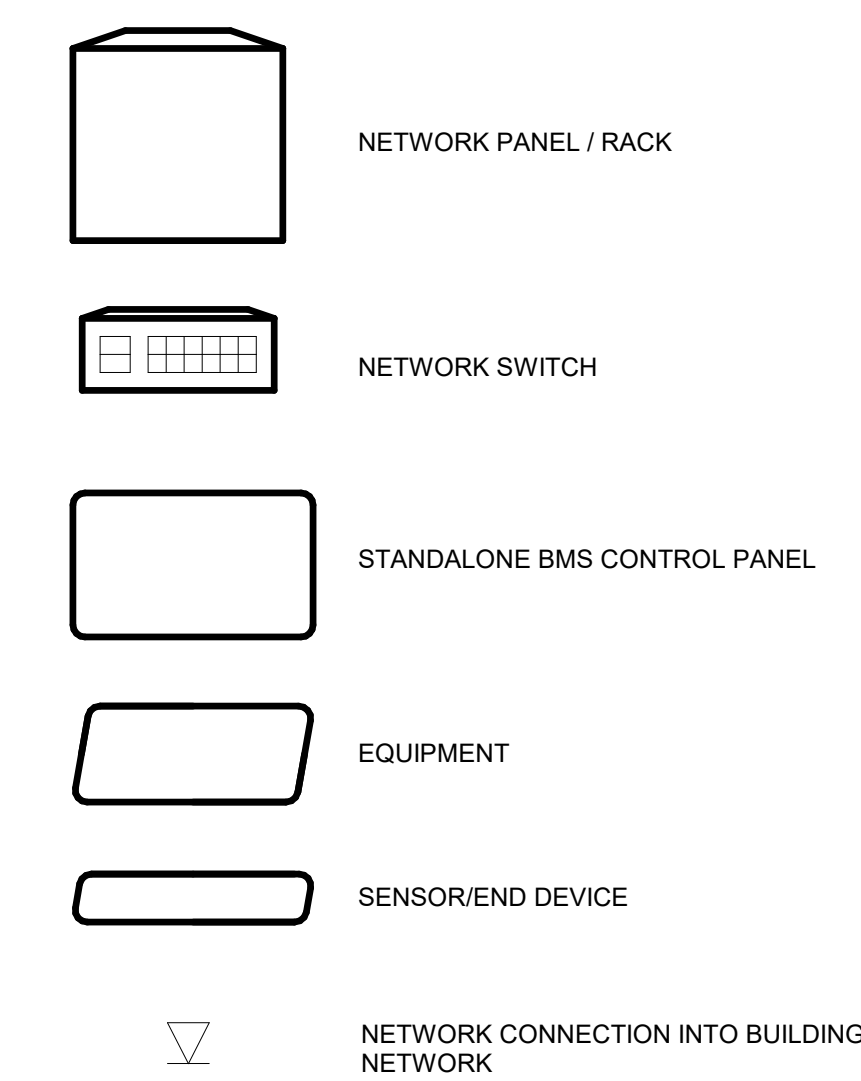
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DESIGN DEVELOPMENT
CLARKSVILLE, AR 72830

CONTROLS RISER
DIAGRAM - LEVEL
1 - DATA HALL 4

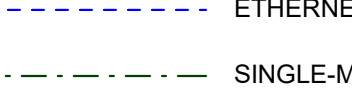
JOB US0049903.5614
SHEET

IC01-04

SHEET LEGEND AND SYMBOLS:



WIRING LEGEND:

- 
- Legend for interlock types:
- ETHERNET (Blue dashed line)
 - SINGLE-MODE FIBER LC/LC CONNECTORS (Green dashed line)
 - RS485 COMMUNICATION INTERLOCK (Black dashed line)
 - HARDWIRED INTERLOCK (Red solid line)
 - INTERLOCK WIRING BY CONTROLS CONTRACTOR (Black dotted line)
 - MANUFACTURER INTERLOCK (Black dashed line)
 - 120VAC WIRING BY OTHERS INTERLOCK (Black solid line)