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 ACCOMODATE FUTURE EQUIPMENT IN THE DAY 1 BUILD.

KEYED NOTES

1. BMS/EPMS NETWORK CABINETFURNISHED AND INSTALLED BY THE CONTROLS CONTRACTOR. CONTROLS CONTRACTOR SHALL PROVIDE NETWORK DEVICES IN COMPLIANCE WITH OWNER SPECIFICATION.
2. SUPERVISORY SERVER HARDWARE AND REDUNDANCY CAPABILITY BY CONTROLS CONTRACTOR.
3. DUAL 120VAC POWER CIRCUITS (BY OTHERS) FROM DIVERSE UPS PANELS TO CONTROL CONTRACTOR PROVIDED CONTROL PANEL. CIRCUITS SHALL BE DEDICATED TO EACH PANEL AND NOT SHARED WITH ANY OTHER DEVICES OR PANELS. CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL ALL HARDWARE REQUIRED FOR REDUNDANT CONTROLLER AND INSTRUMENTATION UPON ANY COMPONENT OR SOURCE FAILURE SHALL BE SEAMLESS AND NOT CAUSE ANY INTERRUPTION IN CONTROLLER OR INSTRUMENTATION OPERATION.
4. CONTROLS CONTRACTOR PROVIDED CONTROL PANEL. FURNISH AND INSTALL SENSORS IN QUANTITIES AND AT LOCATIONS AS INDICATED BY THE FLOOR PLANS AND POINTS LISTS.
5. EQUIPMENT VENDOR PROVIDED CONTROLLER.
6. CONTROLS CONTRACTOR SHALL INTERFACE TO EQUIPMENT VIA HARDWIRED CONNECTIONS TO FACTORY FURNISHED TERMINAL STRIP. REFERENCE POINTS LIST FOR EQUIPMENT-SPECIFIC DETAILS.
7. VAV TERMINAL UNIT CONTROLLER. CONTROLS CONTRACTOR SHALL FURNISH THE DDC CONTROLLER, ACTUATOR, DISCHARGE AIR TEMPERATURE SENSOR, AND SPACE TEMPERATURE SENSOR AND INSTALL IN THE FIELD. 24V CONTROLS TRANSFORMER FURNISHED WITH THE VAV TERMINAL UNIT EQUIPMENT.

SHEET LEGEND AND SYMBOLS:

- NETWORK PANEL / RACK
- NETWORK SWITCH
- STANDALONE BMS CONTROL PANEL
- EQUIPMENT
- SENSOR/END DEVICE
- NETWORK CONNECTION INTO BUILDING NETWORK

WIRING LEGEND:

- ETHERNET
- SINGLE-MODE FIBER LC/LC CONNECTORS
- RS485 COMMUNICATION INTERLOCK
- HARDWIRED INTERLOCK
- INTERLOCK WIRING BY CONTROLS CONTRACTOR
- MANUFACTURER INTERLOCK
- 120VAC WIRING BY OTHERS INTERLOCK

serverfarm
CORGAN
TGRWA STRUCTURAL ENGINEERS
kW Mission Critical Engineering Member of WSP
EP ENGINEERING PLUS
Kimley»Horn

ISSUES		
1	01.23.2026	DESIGN DEVELOPMENT

REVISIONS

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NOT FOR CONSTRUCTION

Date: 01/23/2026

SF - ARK01
DESIGN DEVELOPMENT
CLARKSVILLE, AR 72830

CONTROLS RISER DIAGRAM - ROOF EQUIPMENT - CHW PLANT 5-11

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