

1. REFER TO SPECIFICATION 23 09 00 FOR CONTROLS RELATED INSTALLATION REQUIREMENTS.
2. REFER TO SPECIFICATION 23 09 03 FOR SEQUENCE OF OPERATIONS.
3. REFER TO ELECTRICAL PROJECT SPECIFICATIONS FOR ALL WIRING INSTALLATION REQUIREMENTS.
4. INSTALL FLEXIBLE CONNECTIONS IN RUNS OF RACEWAYS. CABLES, WIRELESS, CABLE TRAYS, AND SURFACE MOUNTED RACEWAYS SHALL BE INSTALLED AT SEISMIC JOINTS, OR ARE SUBJECT TO STRUCTURAL DEFLECTIONS, OR INTERFERE WITH BUILDING OR OTHER FLEXIBLE CONNECTIONS SHALL BE INSTALLED WHERE APPROPRIATE. DIRECTIONS OF RACEWAYS ARE SUPPORTED BY STRUCTURAL CONNECTIONS TO BUILDING OR OTHER TERMINATE TO EQUIPMENT THAT IS ANCHORED OR SUPPORTED TO A DIFFERENT STRUCTURAL ELEMENT. CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND/OR ARCHITECT'S CONSULTANTS IN ORDER TO PROVIDE THE REQUIRED FLEXIBLE CONNECTIONS.
5. CONTRACTOR SHALL COORDINATE INSTALLATION WITH ALL OTHER CONTRACTORS AND OTHER TRADES AS NEEDED. THIS INCLUDES COORDINATING PANEL LOCATION, PANEL SCHEDULING, AND PANEL WITH OWNER REP TO INCORPORATE ANY TENANT REQUIREMENTS FOR SENSORS.
6. INSTALLATION OF ALL THERMOSTATS AND DIFFERENTIAL TEMPERATURE SENSORS SHALL BE COORDINATED WITH ALL OTHER WALL DEVICES FOR INSTALLATION HEIGHT ABOVE FINISHED FLOOR.
7. CONTROL PANELS ARE FED FROM TWO SEPARATE 120VAC POWER SOURCES.
8. PROVIDE FIELD COORDINATION WITH SYSTEM INTEGRATOR ON ALL PANELS.
9. CONTROLS AND ELECTRICAL CONTRACTORS TO COORDINATE ALL ETHERNET CORD AND FIBER CABLEING, TELEPHONE, AND DATA CABLEING.

- 1 DUAL 120VAC POWER CIRCUITS (BY OTHERS) FROM DIVERSE UPS PANELS TO CONTROL CONTRACTOR PROVIDED PLANT CONTROLS. CONTRACTOR TO DEDICATE TO EACH PANEL AND NOT SHARED WITH ANY OTHER PLANT OR PANEL. CONTRACTOR'S CONTRACT SHALL PROVIDE AND INSTALL ALL HARDWARE REQUIRED FOR REDUNDANT CONTROLLER AND INSTRUMENTATION TO MONITOR PLANT CONTROLS. CONTRACTOR SHALL BE SEAMLESS AND NOT CAUSE ANY INTERRUPTION IN SERVICE FOR INSTRUMENTATION AND CONTROLS.
- 2 DATA HALL MANAGER CONTROL PANEL HARDWARE INSTRUMENTATION TO CONTROL PANEL FOR DATA HALL MONITORING AND AUTOMATIC CONTROL OF CHILLER PLANT EQUIPMENT. CONTRACTOR'S CONTRACTS INCLUDE ANY INTEGRATION OF ASSOCIATED CHILLER PLANT EQUIPMENT.
- 3 EPAS CONTROL PANEL, INCLUDING APPROPRIATE GATEWAYS) FOR FULL INTEGRATION OF ASSOCIATED COMFORT HEATING AND COOLING HVAC EQUIPMENT.
- 4 ADMIN SPACE CONTROL PANEL, INCLUDE ANY INSTRUMENTATION FOR DATA HALL AND ADMIN SPACE OF ASSOCIATED COMFORT HEATING AND COOLING HVAC EQUIPMENT.
- 5 CHILLER PLANT MANAGER CONTROL PANEL HARDWARE INSTRUMENTATION TO CONTROL CHILLER PLANT MONITORING AND AUTOMATIC CONTROL OF PLANT-LEVEL SEQUENCES. CONTROL COMMANDS FROM CHILLER PLANT MANAGER SHALL BE AVAILABLE TO ALL CONTROL PANELS. PANELS SHALL BE HARDWIRED NETWORKED TO CHILLER PLANT MANAGER FOR MONITORING, ALARMING, AND TROUBLESHOOTING.
- 6 BMS/EPAS CORE SWITCHES, AGGREGATE SWITCHES, PATCH PANELS, AND SUPERVISORY SERVERS FURNISHED BY THE CONTRACTOR. CONTRACTOR SHALL INSTALL IN A RACK IN THE MMR ROOM BY THE TELECOM CONTRACTOR. ALL NETWORK CONNECTIONS SHALL BE REVIEWED AND APPROVED BY OWNER IT.
- 7 BMS/EPAS AGGREGATE SWITCHES AND PATCH PANELS FURNISHED BY THE CONTRACTORS CONTRACTOR AND THE BMS/EPAS DOMESTIC CONTRACTOR SHALL BE REVIEWED BY THE TELECOM CONTRACTOR. ALL NETWORK CONNECTIONS SHALL BE REVIEWED AND APPROVED BY OWNER IT.
- 8 MECHANICAL EQUIPMENT CONNECTED TO ASSOCIATED BMS SCF. CONTRACTOR TO COORDINATE WITH TELECOM CONTRACTOR TO PROVIDE ALL SWITCH CONNECTIONS AND PORTS ALLOCATIONS.

1	01.23.2026	DESIGN DEVELOPMENT
---	------------	--------------------

[illegible]

--	--	--

[illegible]

NOT FOR CONSTRUCTION

SF - ARK01
DESIGN DEVELOPMENT
CLARKSVILLE, AR 72830

L	K	J	
G	E	C	A
H	F	D	B
P	N	M	

JOB US0049903.5614
SHEET

IC02-04B

1 ROOF EQUIPMENT - CONTROLS PLAN - SEGMENT B
1/8" = 1'-0"