

1. REFER TO SPECIFICATION 29.09.00 FOR CONTROLS RELATED INSTALLATION REQUIREMENTS.
2. REFER TO SPECIFICATION 29.09.93 FOR SEQUENCE OF OPERATIONS.
3. REFER TO ELECTRICAL PROJECT SPECIFICATIONS FOR ALL WIRING INSTALLATION REQUIREMENTS.
4. INSTALL FLEXIBLE CONNECTIONS IN RUNS OF RACEWAYS, CABLES, WIREWAYS, CABLE TRAYS, AND CABLEWAYS. FLEXIBLE CONNECTIONS SHALL BE USED AT SEISMIC JOINTS, OR ARE SUBJECT TO STRUCTURAL ANALYSIS. IN NON-SEISMIC BUILDING TYPES, FLEXIBLE CONNECTIONS SHALL BE INSTALLED WHERE ANCHORED DIRECTIONS OF RACEWAYS ARE SUPPORTED BY DIFFERENT STRUCTURAL MEMBERS. WHERE THEY TERMINATE TO EQUIPMENT THAT IS ANCHORED OR SUPPORTED BY A DIFFERENT STRUCTURAL ELEMENT. CONTRACTOR SHALL COORDINATE WITH MECHANICAL AND/OR ARCHITECT FOR ANY CHANGES 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 EQUIPMENT LOCATION AND INSTALLATION WITH OWNER REPAIR 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 DERIVED 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 CPOWERS AND FIBER OPTIC AND TELECOM CABLES.

1	DUAL 120VAC POWER CIRCUITS (BY OTHERS) FROM DIVERSE UPS PANELS TO CONTROL CONTRACTOR DAMPER MOTOR/PATCH PANELS SHALL BE DEDICATED TO EACH PANEL AND NOT SHARED WITH ANY OTHER SYSTEM OR PANEL. ALL WIRING SHALL PROVIDE AND INSTALL ALL HARDWARE REQUIRED FOR THE SYSTEM. NO FIELD REPAIRS OR TIGHTENING ON ANY COMPONENT OR CAUSE FAILURE SHALL BE SEAMLESS AND NOT SOURCE ANY INTERRUPTION IN OPERATION OF THE NETWORK SWITCHING EQUIPMENT.
2	DATA HALL MANAGER CONTROL PANEL HARDWARE INSTRUMENTATION TO CONTROL PANEL FOR DATA HALL CHILLER PLANT. INCLUDE MECHANICAL/ELECTRICAL/MECHANICAL EQUIPMENT CONTROL SEQUENCES. INCLUDE ANY INTEGRATION OF ASSOCIATED CHILLER PLANT EQUIPMENT.
3	EPMS CONTROL PANEL INCLUDE ANY APPROPRIATE GATEWAYS/FOR FULL INTEGRATION OF ASSOCIATED CHILLER PLANT HEATING AND COOLING HVAC EQUIPMENT.
4	ADMIN SPACE CONTROL PANEL INCLUDE ANY APPROPRIATE GATEWAYS/FOR FULL INTEGRATION OF ASSOCIATED COMFORT HEATING AND COOLING HVAC EQUIPMENT.
5	CHILLER PLANT MANAGER CONTROL PANEL HARDWARE INSTRUMENTATION TO CONTROL PANEL FOR CHILLER PLANT HEATING AND COOLING HVAC EQUIPMENT. CHILLER PLANT-LEVEL SEQUENCES, CONTROL COMMANDS FROM THE CHILLER PLANT MANAGER TO THE CHILLER PLANT EQUIPMENT SHALL BE HARDEDWired. NETWORK COMMUNICATION SHALL ONLY BE USED FOR MONITORING/ALARMING AND NOT FOR CONTROL.
6	BMS/EPMS CORE SWITCHES, AGGREGATE SWITCHES, PATCH PANELS, AND SUPERVISORY SERVERS FURNISHED BY THE CONTROLS CONTRACTOR AND INSTALLED IN THE DCM CABINET IN THE TELECOM ROOM. ALL NETWORK COMPONENTS AND CONNECTIONS SHALL BE REVIEWED AND APPROVED BY THE ELECTRICAL CONTRACTOR.
7	BMS/EPMS AGGREGATE SWITCHES AND PATCH PANELS FURNISHED BY THE CONTROLS CONTRACTOR AND INSTALLED IN THE DCM CABINET IN THE TELECOM ROOM. ALL NETWORK COMPONENTS SHALL BE REVIEWED AND APPROVED BY THE ELECTRICAL CONTRACTOR.
8	MECHANICAL EQUIPMENT CONNECTED TO ASSOCIATED BMS SGP CONTROLS CONTRACTOR TO COORDINATE WITH OWNER IT TO FINALIZE EXACT NETWORK SWITCHING CONNECTIONS AND PORT ALLOCATIONS.
9	ELECTRICAL EQUIPMENT CONNECTED TO ASSOCIATED EPMS SGP CONTROLS CONTRACTOR TO COORDINATE WITH OWNER IT TO FINALIZE EXACT NETWORK SWITCHING CONNECTIONS AND PORT ALLOCATIONS.
10	PARKING GARAGE CARBON MONOXIDE SENSOR AND HARMONISROBE CARBONS MONOXIDE SENSOR TO INTERFACE WITH THE BMS SGP AND EXHAUST FAN BASED ON CARBON MONOXIDE CONCENTRATION.
11	CONTROLS CONTRACTOR SHALL FINISH 120V DAMPER ACTUATORS(FOR LOUVER DAMPER ACTUATORS) TO BE INSTALLED ON LOUVER BY MECHANICAL CONTRACTOR. 120V POWER SUPPLY TO ELECTRICAL CONTRACTOR. REFERENCE ARCHITECTURAL PLANS FOR LOCATION OF DAMPERS.
12	CONTROL CONTRACTOR SHALL PROVIDE LOUVER POSITION CONTROL AT THE BMS REFERENCE SEQUENCE OF OPERATIONS.
13	CONTROLS CONTRACTOR SHALL INTERLOCK DAMPER POSITIONING ASSOCIATED WITH THE SIGNAL. SIGNAL ACTUATOR SHALL BE FAST ACTION, POWER-CLOSED, AND OPEN WHEN GENERATOR STARTS. PROGRAM GENERATOR SYSTEM TO OFFSET GEN START BY 3 SECONDS TO ALLOW DAMPER ACTUATORS TO COMPLETELY CLOSE ON A GEN START.
14	COMPONENT FIRE/SMOKE DAMPER FURNISHED WITH OPEN AND CLOSED END SWITCHES. MONITOR DAMPER POSITION AT BMS.
15	BMS SHALL MONITOR HASBLE CODE NUMBER AND SYSTEM DIFFERENTIAL PRESSURE AND TEMPERATURE AND RELATIVE HUMIDITY. REFERENCE DETAIL 88 ON SHEET 100. MONITORING POINTS SHALL BE PROVIDED FOR INSTRUMENTS COUNT MOUNTED, SUPPORTED BY THE ELECTRICAL CONTRACTOR. MONITORING POINTS SHALL BE INSTALLED TO AVOID CLASHING WITH CABLE TRAY. INSTALL NOT-AIIE TEMPERATURE SENSOR CENTRAL TO EACH ROOM ABOVE 2' BELOW CEILING.
16	ELECTRICAL ROOM TEMPERATURE SENSOR SHALL BE COUNT MOUNTED FROM CEILING 12 AFF.
17	LEAK DETECTION ROPE SHALL BE FURNISHED WITH LEAK DETECTOR UNITS AND INSTALLED TO MONITOR LEAK AT EACH PENETRATION POINT.

1	01.23.2026	DESIGN DEVELOPMENT
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Contact: Alex Tate Phone: 404.829.8031
Engineer:
License #: Exp. Date:

Date: 01/23/2026

SF - ARK01
DESIGN DEVELOPMENT

CLARKSVILLE. AR 72830

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

LEVEL 2 - CONTROLS PLAN - SEGMENT B

JOB US0049903.5614
SHEET

IC02-02B

① LEVEL 2 - CONTROLS PLAN - SEGMENT B
1/8" = 1'-0"