

3. REFER TO SPECIFICATION 23 09 00 FOR CONTROLS RELATED INSTALLATION REQUIREMENTS.
4. REFER TO SPECIFICATION 23 09 05 FOR SEQUENCE OF OPERATIONS.
5. REFER TO ELECTRICAL PROJECT SPECIFICATIONS FOR ALL WIRING INSTALLATION REQUIREMENTS.
6. INSTALL FLEXIBLE CONNECTIONS IN RUNS OF RACEWAYS, CABLES, WIREWAYS, CABLE TRAYS, AND SUBSYSTEMS THAT ARE SUBJECT TO VIBRATION, SHOCKS, SEISMIC JOINTS, OR ARE SUBJECT TO STRUCTURAL DEFLECTIONS. IN INTERIORITY BUILDING TYPES, FLEXIBLE CONNECTIONS SHALL BE INSTALLED WHERE ADJACENT SECTIONS OF RACEWAYS ARE SUPPORTED BY DIFFERENT STRUCTURAL MEMBERS. WHERE THEY TERMINATE TO EQUIPMENT THAT IS ANCHORED TO THE BUILDING STRUCTURE, FLEXIBLE CONNECTIONS ARE NOT REQUIRED. CONTRACTOR SHALL COORDINATE WITH STRUCTURAL ENGINEER AND ARCHITECT TO DETERMINE WHERE TO PROVIDE THE REQUIRED FLEXIBLE CONNECTIONS.
7. CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL OTHERS WITH OTHER CONTRACTORS AND OTHER TRADES AS NEEDED. THIS INCLUDES COORDINATING FINAL LOCATION OF ALL DEVICES WITH THE OWNER PERMIT TO INCORPORATE ANY TENANT REQUIREMENTS FOR SENSORS.
8. INSTALLATION OF ALL THERMOSTATS AND DIFFERENTIAL THERMOSTATS SHALL BE COORDINATED WITH ALL OTHER WALL DEVICES FOR INSTALLATION HEIGHT AND LOCATION ON FLOOR.
9. CONTROL PANELS ARE TIED FROM TWO SEPARATE 120VAC POWER SOURCES.
10. PROVIDE FIELD COORDINATION WITH SYSTEM INTEGRATOR ON ALL PANELS.
11. CONTROLS AND ELECTRICAL CONTRACTORS TO COORDINATE ALL ETHERNET CORDSET AND FIBER CABLES, TELEPHONE CABLES, AND DATA CABLES.

7	DUAL 120VAC POWER CIRCUITS (BY OTHERS) FROM DIVERSE UPS PANELS TO CONTROL CONTRACTOR PROVIDED PUMP PANEL CIRCuits SHALL BE DEDICATED TO EACH PANEL AND NOT SHARED WITH ANY OTHER PUMPS OR PANELS. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL HARDWARE REQUIRED FOR THE ELECTRICAL CONNECTION OF THE WIRING UPON ANY COMPONENT OR CAUSE FAILURE SHALL BE SEAMLESS AND NOT RESULT IN INTERRUPTION IN OPERATION OF INSTRUMENTATION.
8	DATA HALL MANAGER CONTROL PANEL HARDWARE INSTRUMENTATION TO CONTROL PANEL FOR DATA HALL AIR HANDLING UNIT. THE CONTRACTOR SHALL INCLUDE MECHANICAL EQUIPMENT CONTROL SEQUENCES. MECHANICAL EQUIPMENT OF ASSOCIATED MECHANICAL EQUIPMENT.
9	EPMS CONTROL PANEL INCLUDE ANY APPROPRIATE GATEWAYS) FOR FULL INTEGRATION OF ASSOCIATED CONTROL HEATING AND COOLING HVAC EQUIPMENT.
10	ADMIN SPACE CONTROL PANEL INCLUDE ANY APPROPRIATE GATEWAYS) FOR FULL INTEGRATION OF ASSOCIATED COMFORT HEATING AND COOLING HVAC EQUIPMENT.
11	CHILLER PLANT MONITORING AND CONTROL PANEL HARDWARE INSTRUMENTATION TO CONTROL PANEL FOR CHILLER PLANT MONITORING AND AUTOMATIC CONTROL OF CHILLER PLANT. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL HARDWARE REQUIRED FOR THE CHILLER PLANT MANAGER TO THE CHILLER LINEUP AND CHILLER PLANT. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL HARDWARE REQUIRED FOR THE CHILLER COMMUNICATION SHALL ONLY BE USED FOR OPERATIONAL ALARMING AND LOGGING PURPOSES.
12	EMSPACS CORE SWITCHES; AGGREGATE SWITCHES ON CHILLER AND SUPPLY AND RETURN AIR HANDLING UNITS. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL HARDWARE REQUIRED FOR THE NETWORKS CONTRACTOR AND THE NETWORKS CONTRACTOR SHALL PROVIDE AND INSTALL ALL HARDWARE REQUIRED FOR THE NETWORKS CONTRACTOR. ALL NETWORK COMPONENTS SHALL BE PROVIDED AND APPROVED BY THE NETWORKS CONTRACTOR.
13	CHILLERS AGGREGATE SWITCHES AND CH PANELS SHALL BE PROVIDED BY THE NETWORKS CONTRACTOR. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE DCIM CABINET IN THE TELECOM RISER ROOM. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL HARDWARE REQUIRED FOR THE NETWORKS CONTRACTOR. ALL NETWORK COMPONENTS SHALL BE REVIEWED AND APPROVED BY THE NETWORKS CONTRACTOR.
14	MECHANICAL EQUIPMENT INSTRUMENTATION TO ASSOCIATED MECHANICAL EQUIPMENT TO COORDINATE WITH OWNER IT TO FINALIZE EXIST NETWORK SWITCH AND/OR PORTS.
15	ELECTRICAL EQUIPMENT CONNECTED TO ASSOCIATED EPMS SCS CONTROLS CONTRACTOR TO COORDINATE WITH OWNER IT TO FINALIZE EXIST NETWORK SWITCH AND/OR PORTS.

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NOT FOR CONSTRUCTION

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