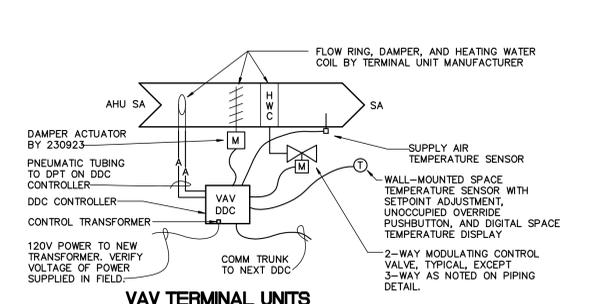
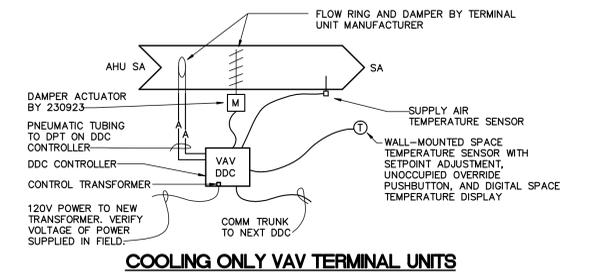


- NOTES
1. PROVIDE DDC CONTROLLERS AND CONTROLS FOR ALL NEW AIR HANDLING UNITS, ROOFTOP AIR HANDLING UNITS, TERMINAL UNITS TO REPLACE EXISTING PNEUMATIC CONTROLS. ALL DDC CONTROLLERS SERVING AIR HANDLING UNITS, ROOFTOP AIR HANDLING UNITS, AND VAV TERMINAL UNITS SHALL HAVE A UL864-UKL LISTING.
 2. THE DDC CONTROLLERS FOR TERMINAL UNITS ADDED TO THE EXISTING DDC CONTROL SYSTEM SERVING AHU-7E AND AHU-7I SHALL BE MANUFACTURED BY T.A.C. AND SHALL BE COMPATIBLE WITH THE EXISTING T.A.C. CONTROL SYSTEMS SERVING THESE AHU'S.
 3. FOR EACH DDC CONTROLLER, REPLACE, OR MODIFIED IN THIS PROJECT, PROVIDE LAMINATED CONTROL DRAWINGS OF EQUIPMENT SERVED IN EACH CONTROL CABINET.
 4. CONTRACTOR SHALL PROVIDE THERMOWELLS FOR NEW SENSORS AND FOR THOSE BEING REPLACED AT SAME LOCATIONS AS EXISTING SENSORS, ETC. NOT REQUIRING THEMOWELLS.
 5. REMOVE CONTROL COMPONENTS (PANELS, CONDUIT, DEVICES, WIRING, PNEUMATIC TUBING, ETC.) THAT WILL NO LONGER BE USED AFTER THIS PROJECT. CAP PNEUMATIC TUBING AT MAINS.
 6. NEW CONTROL PANELS SHALL HAVE A MINIMUM NEMA 1 RATED ENCLOSURE.
 7. IF THE CONTRACTOR FINDS OTHER EQUIPMENT SERVED FROM THE AHU CONTROL PANELS OTHER THAN THAT SHOWN, NOTIFY PROJECT ENGINEER FOR DIRECTION ON HOW TO PROCEED.
 8. ALL CONTROL WIRING IN FINISHED SPACES SHALL BE CONCEALED IN WALLS.
 9. EXPOSED CONDUIT IN FINISHED SPACES SHALL BE PAINTED TO MATCH ADJACENT WALLS/CEILING.
 10. VERIFY THAT THERMOSTATS CAN BE PLACED ON WALL AT THE LOCATIONS OF EXISTING PNEUMATIC THERMOSTATS WITHOUT USING EXPOSED RACEWAY BEFORE ORDERING THERMOSTATS. REPORT LOCATIONS THAT CONCEALED RACEWAYS CANNOT OCCUR TO ENGINEER.
 11. CONTRACTOR SHALL DOCUMENT EQUIPMENT SERVED FROM EXISTING AHU CONTROL PANELS BEFORE REPLACING WITH NEW CONTROL PANELS. DETERMINE WHICH FANS ARE ALSO CONTROLLED/INTERLOCKED WITH EACH AHU. DETERMINE IF THE EXISTING PANEL HAS WIRING FOR REMOTE "ON-OFF-AUTO" SWITCHES & ASSOCIATED PILOT LIGHTS IN REMOTE CONTROL PANELS. PROVIDE REPORT OF FINDINGS.
 12. LOCATE REPLACEMENT DDC THERMOSTATS AND TEMPERATURE SENSORS AT SAME LOCATION AS EXISTING PNEUMATIC THERMOSTAT, AND PROVIDE PROTECTIVE SECURITY ENCLOSURE. DETERMINE EXISTING LOCATION IN FIELD.



- BMS NOTES
1. THE ADMINISTRATION PORTION OF THE BUILDING HAS TWO EXISTING SCHNEIDER ELECTRIC/ T.A.C. BUILDING CONTROLLERS INSTALLED. THESE SHALL REMAIN IN SERVICE, AND ALL DDC CONTROLLERS PROVIDED FOR THIS SIDE OF THE BUILDING SHALL COMMUNICATE WITH THESE TWO BUILDING CONTROLLERS. AIR HANDLING UNITS WITH THE SUFFIX "A" SHALL BE CONNECTED TO THESE CONTROLLERS.
 2. THE JAIL PORTION OF THE BUILDING DOES NOT HAVE AN EXISTING BUILDING CONTROLLER. PROVIDE A SCHNEIDER ELECTRIC/ T.A.C. BUILDING CONTROLLER FOR THE JAIL SIDE OF THE BUILDING. ALL DDC CONTROLLERS PROVIDED FOR THIS SIDE OF THE BUILDING SHALL COMMUNICATE WITH THIS BUILDING CONTROLLER. AIR HANDLING UNITS WITH THE SUFFIX "B" SHALL BE CONNECTED TO THESE CONTROLLERS. THE EXISTING DDC CONTROLLERS FOR AHU-5B AND AHU-7B SHALL BE CONNECTED TO THIS BUILDING CONTROLLER. LOCATE THE BUILDING CONTROLLER ADJACENT TO THE EXISTING AHU-5B OR AHU-7B CONTROL PANELS (UNLESS OTHERWISE DIRECTED BY OWNER) AND EXTEND POWER WIRING FROM THE EXISTING AHU-5B OR 7B CONTROL PANEL.
 3. ALL CONTROL WIRING, POWER WIRING, EQUIPMENT, INTERLOCKS, MECHANICAL, ELECTRICAL, GENERAL CONSTRUCTION, AND ACCESSORIES FOR A TURNKEY CONTROL SYSTEM SHALL BE PROVIDED.
 4. BMS SHALL BE A WEB-BASED SYSTEM FOR OWNER ACCESS FROM REMOTE COMPUTERS HAVING INTERNET ACCESS.
 5. SYSTEM SHALL INCLUDE GRAPHICS OF HVAC EQUIPMENT, INCLUDING BUILDING FLOOR PLANS SHOWING EQUIPMENT LOCATIONS WITH AREAS SERVED, SPACE TEMPERATURES, SPACE SETPOINTS, AND SENSOR LOCATIONS WITH "CLICK-ON" LINKS TO DEVICE GRAPHICS.
 6. ALL WIRING SHALL BE INSTALLED IN CONDUIT.
 7. BMS SHALL INCLUDE SOFTWARE, TOOLS, AND INSTRUCTION MANUALS FOR OWNER TO BE ABLE TO MODIFY SYSTEM PROGRAMMING IN THE FUTURE OR HAVE ANOTHER BMS CONTRACTOR MODIFY SYSTEM PROGRAMMING.
 8. PROVIDE ETHERNET CABLES FROM ALL NETWORK DEVICES TO THE OWNER'S SWITCHES. COORDINATE SWITCH LOCATIONS WITH OWNER.

REVISIONS:

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PROJECT #: 24308.00
 DATE: APRIL 10, 2015
 DRAWN BY: JTC
 DESIGNER: JTC
 CHECKED BY: AMS

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SEAL:

SHEET NUMBER:
M-801
 DESCRIPTION:
 TEMPERATURE CONTROLS