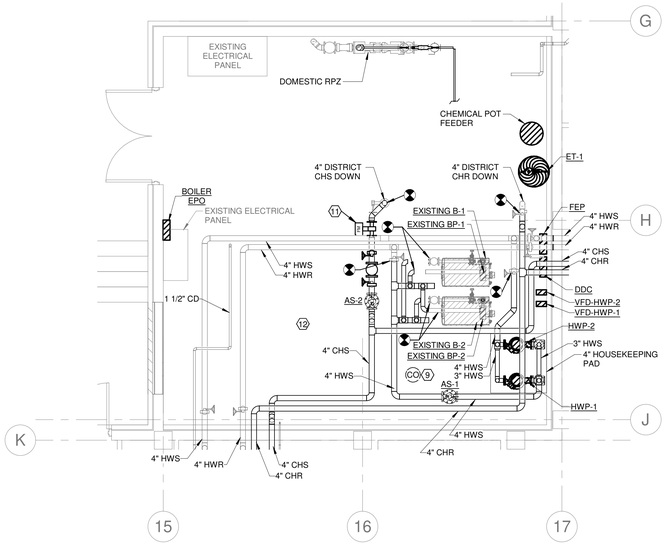


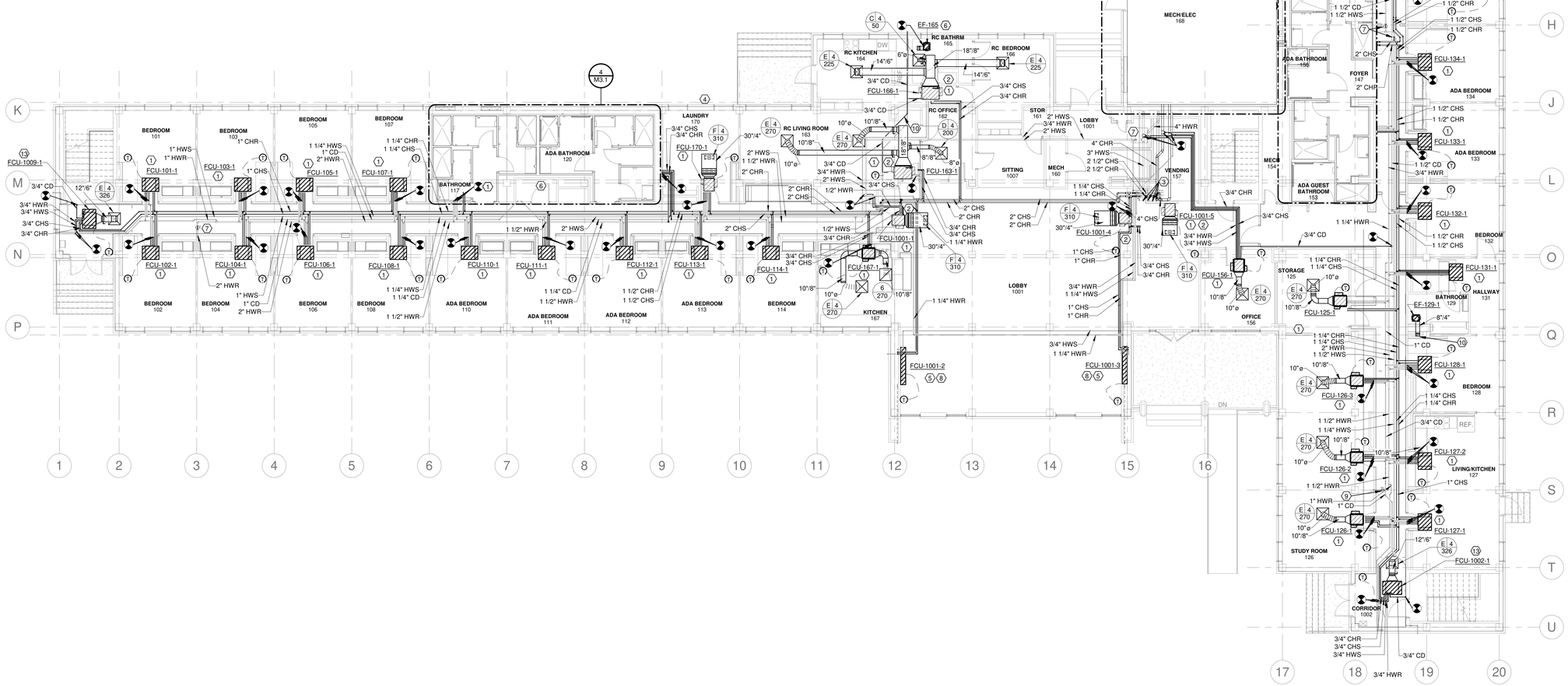
2 MECHANICAL ROOM ENLARGED MECHANICAL ROOM PLAN - HVAC
1/4" = 1'-0"

GENERAL NOTES

1. PROTECT EXISTING BUILDING COMPONENTS TO REMAIN, SUCH AS BUT NOT LIMITED TO, TELECOMMUNICATIONS CABLING AND EQUIPMENT, CONDUIT, PIPING, INSULATION, ELECTRICAL DEVICES AND DATA JACKS FROM DAMAGE, DEBRIS, DUST AND LOSS OF USE DURING ALL PHASES OF CONSTRUCTION. COMPONENTS THAT ARE DAMAGED OR BECOME DIRTY DURING THE CONSTRUCTION PHASE ARE TO BE REPLACED OR CLEANED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
2. CONTRACTOR SHALL ENSURE ALL CONDENSATE DRAINS ARE CLEAN, SEALED, AND PROPERLY DRAINING.
3. ALL EXPOSED HEATING WATER PIPING AND CONDENSATE DRAIN PIPING SHALL BE REINSULATED.
4. ALL THERMOSTATS SHALL HAVE INTEGRAL HUMIDITY SENSORS.
5. ALL EXISTING ISOLATION GATE VALVES TO BE REMOVED AND REPLACED WITH ISOLATION BALL VALUES WHETHER SHOWN ON DRAWINGS OR NOT.
6. INSTALL FIRE DAMPERS PER FIRE DAMPER MANUFACTURER'S INSTRUCTIONS.
7. COORDINATE ALL ROOF AND FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS.
8. ALL EXISTING PRESSURE RELIEF VALVES ON HEATING WATER SYSTEM TO BE REPLACED.
9. CONTROLS CONTRACTOR TO COORDINATE ALL TERMINATIONS AND CONNECTIONS AT BOILERS WITH UCA CONTROLS SHOP.

KEYED NOTES:

1. EXTEND HEATING WATER SUPPLY AND HEATING WATER RETURN TO NEW LOCATION OF FAN COIL UNIT. PROVIDE 3/4 INCH CHILLED WATER SUPPLY. CHILLED WATER RETURN AND CONDENSATE DRAIN PIPING TO FAN COIL UNIT FROM MAIN CHILLED WATER SUPPLY & RETURN PIPING IN CORRIDOR. REFER TO DETAIL 12, SHEET M5.1.
2. PATCH CEILING AND PAINT AS REQUIRED TO MATCH EXISTING CONDITIONS AFTER FAN COIL UNIT INTSTALLATION.
3. 3" CHS/R, 3" HWS, 4" HWR UP TO 2ND FLOOR. PROVIDE RISER ISOLATION VALVE IN NEW AND EXISTING PIPE.
4. PROVIDE THREE 4 INCH DRYER VENT PENETRATIONS THROUGH THE WALL. SEAL AND INSULATE AROUND PENETRATIONS. PROVIDE DRYER VENT CAP WITH BACKDRAFT DAMPER. COORDINATE EXACT QUANTITY OF PENETRATIONS WITH OWNER. COORDINATE EXACT LOCATION WITH ARCHITECT.
5. INSTALL NEW FLOOR MOUNTED FAN COIL IN SAME LOCATION AS EXISTING. CONNECT NEW UNIT INTO EXISTING HEATING WATER PIPING.
6. CONNECT NEW EXHAUST FAN TO EXISTING EXHAUST DUCT.
7. REPLACE EXISTING GATE VALVE WITH FULL PORT BALL VALVE. MATCH EXISTING VALVE SIZE.
8. ROUTE NEW CHILLED WATER SUPPLY AND RETURN PIPING DOWN IN WALL TO NEW FAN COIL UNIT ON FLOOR. REFER TO ARCHITECTURAL DETAIL FOR BLOCKING AND/OR FURRING.
9. CARBON MONOXIDE MONITOR.
10. ROUTE EXHAUST DUCT UP IN CHASE TO EXHAUST RELIEF ON ROOF EQUIVALENT TO COOK MODEL PR.
11. OWNER TO PROVIDE EXISTING FLOW METER TO MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR TO INSTALL EXISTING FLOW METER AS SHOWN.
12. MECHANICAL CONTRACTOR TO INSULATE ALL NEW AND EXISTING PIPING IN MECHANICAL ROOM.
13. INSTALL NEW FAN COIL SERVING CORRIDOR IN SAME LOCATION AS EXISTING OUTSIDE AIR UNIT THAT WAS REMOVED. TIE NEW UNIT INTO EXISTING HEATING WATER AND CONDENSATE DRAIN PIPING. PROVIDE NEW 3/4" CHILLED WATER SUPPLY AND 3/4" CHILLED WATER RETURN PIPING TO FAN COIL FROM MAIN CHILLED WATER SUPPLY AND RETURN PIPING IN CORRIDOR.



1 FIRST FLOOR PLAN - HVAC
1/8" = 1'-0"

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seal/signature

ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 7856 ANTHONY J. WOODSON

CERTIFICATE OF AUTHORIZATION Bernhard TME, LLC No. 2790 ARKANSAS

5/10/19

No.	Description	Date

UCA Housing Renovations - Phase 2
State Hall

University of Central Arkansas
Conway, Arkansas

SMA Project Number	1807
Date	05-10-2019
Phase	Construction Drawings
UCA Project Number	UCA-19-021

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FIRST FLOOR PLAN - HVAC

Sheet Number

M2.1

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