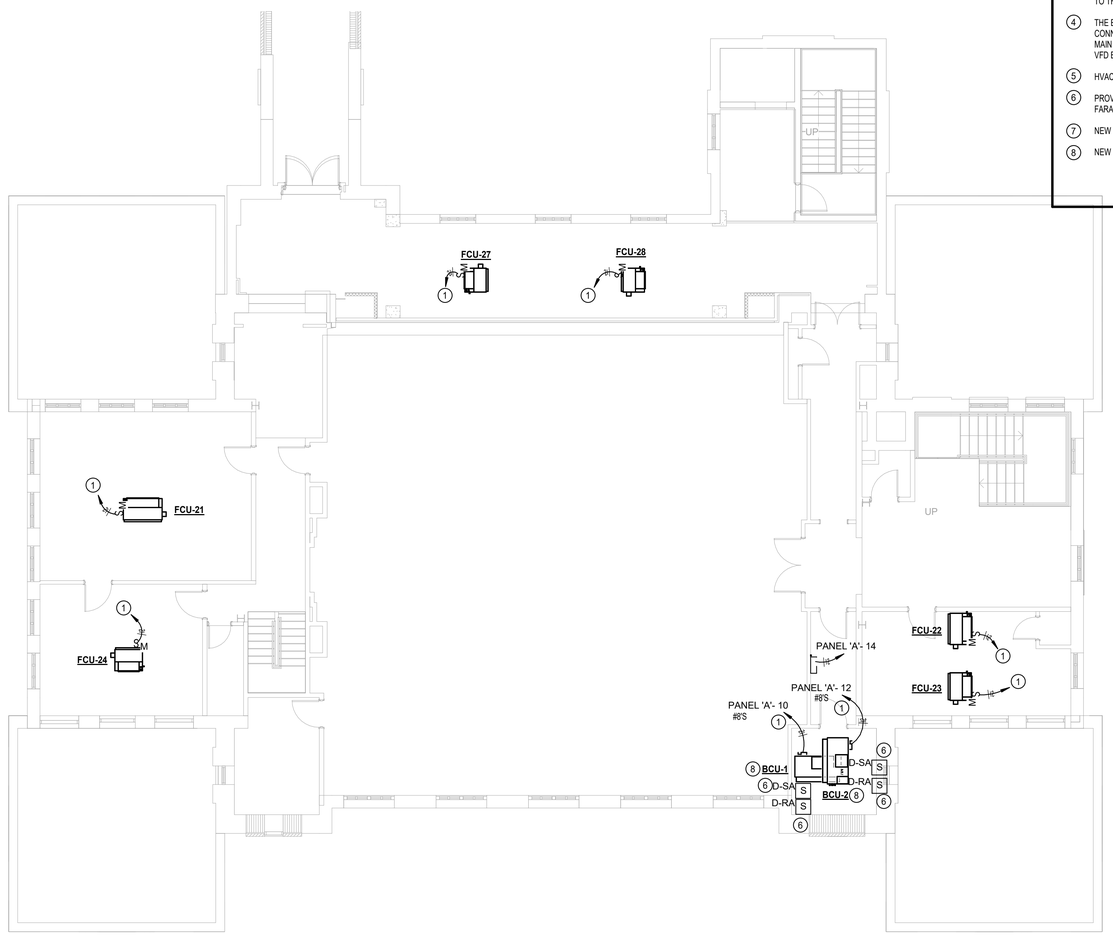

1 THIRD FLOOR PLAN - ELECTRICAL

SCALE: 1/8" = 1'-0"

ELECTRICAL SYSTEMS KEYED NOTES

1. EXISTING HVAC UNIT SHALL BE REPLACED. DISCONNECT EXISTING ELECTRICAL CONNECTIONS TO THE DEMOED UNIT. THE EXISTING CIRCUIT SHALL BE REUSED. CONNECT THE EXISTING 120V CIRCUIT TO THE NEW UNIT. EXTEND WIRE AND CONDUIT AS NEEDED. NOTE: THE NEW UNIT IS BEING RELOCATED TO THE NEW LOCATION. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. THE EXISTING BOILER SHALL BE REPLACED WITH TWO NEW BOILERS. DISCONNECT EXISTING ELECTRICAL CONNECTIONS TO THE DEMOED UNIT. THE EXISTING CIRCUIT SHALL BE REUSED FOR ONE BOILER. EXTEND WIRE AND CONDUIT AS NEEDED. PROVIDE AND INSTALL A 20A/1P BREAKER IN EXISTING PANEL 'A' FOR THE SECOND BOILER. PROVIDE AND INSTALL TWO NEW 50MM E STOPS LOCATED AT THE DOOR. LABEL THE E STOPS WITH 'BOILER SHUTDOWN'.
3. THE EXISTING CHILLED WATER PUMP SHALL BE REPLACED WITH TWO NEW CHILLED WATER PUMPS. DISCONNECT EXISTING ELECTRICAL CONNECTIONS TO THE DEMOED UNIT. DEMO THE EXISTING STARTER. PROVIDE AND INSTALL A 50A/3P BREAKER IN EXISTING MAIN DISTRUBUTION PANEL TO REPLACE THE EXISTING CHILLED WATER PUMP BREAKER. CONNECT THE NEW PUMPS TO THE VFD WITH #8'S. VFD BY DIV. 23
4. THE EXISTING HOT WATER PUMP SHALL BE REPLACED WITH TWO NEW HOT WATER PUMPS. DISCONNECT EXISTING ELECTRICAL CONNECTIONS TO THE DEMOED UNIT. DEMO THE EXISTING STARTER. PROVIDE AND INSTALL A 20A/3P BREAKER IN EXISTING MAIN DISTRUBUTION PANEL TO REPLACE THE EXISTING HOT WATER PUMP BREAKER. CONNECT THE NEW PUMPS TO THE VFD. VFD BY DIV. 23.
5. HVAC CONTROL PANEL. PROVIDE AND INSTALL CAT6 CABLE CONNECTED TO THE NEAREST DATA RACK.
6. PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTORS INTERLOCKED WITH THE HVAC UNIT. CONNECT TO THE EXISTING FARADAY MPC-2000 FIRE ALARM PANEL LOCATED IN THE FIRST FLOOR MECHANICAL ROOM.
7. NEW ELECTRICAL PANEL TO BE INSTALLED. SEE POWER RISER AND PANEL SCHEDULES FOR MORE INFORMATION.
8. NEW BLOWER COIL UNIT

MECHANICAL RENOVATIONS FOR:
CRAIGHEAD COUNTY COURTHOUSE
Jonesboro, Arkansas

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Revision Schedule			
Tag	Rev. Description	Rev. Date	Issued by

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 12363
ANTHONY DAVID AVERITT
12-11-24

PETTIT & PETTIT
CONSULTING ENGINEERS, INC.
LITTLE ROCK, ARKANSAS

CORPORATE REGISTRATION
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ARKANSAS ENGINEER

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Commission Number
2309D

E103

Date: November 11, 2024

THIRD FLOOR PLAN - ELECTRICAL

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central@pettitinc.com.rvt