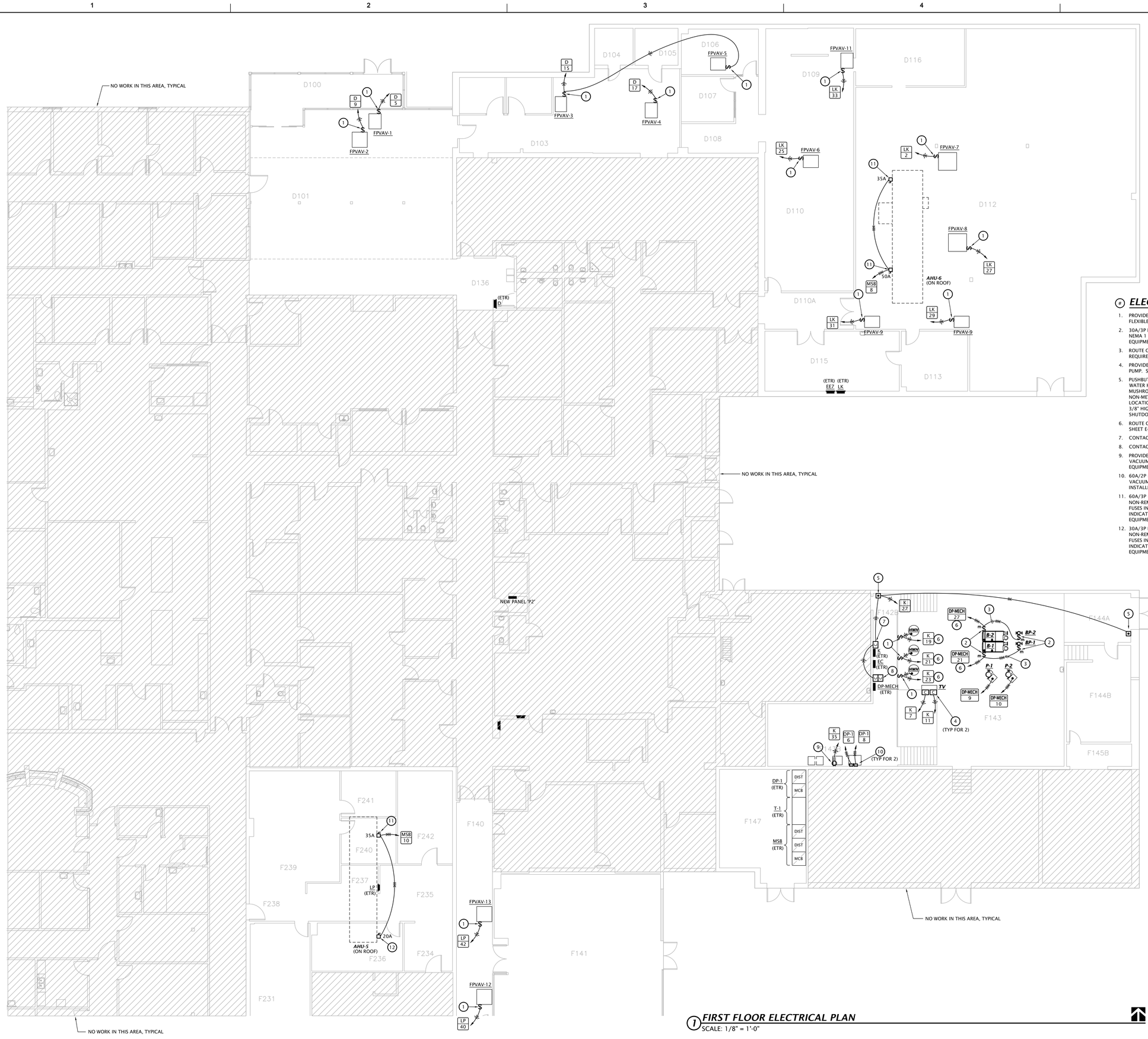
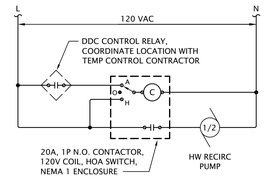


NOTE: CONTRACTOR SHALL VERIFY ALL LOADS FED FROM PANEL 'P2' IN EXISTING 'AHU-5' AND PANEL 'P3' IN EXISTING 'AHU-6'. REFEED ALL LOADS THAT ARE EXISTING TO REMAIN AS REQUIRED.

NOTE: PROVIDE DUCT SMOKE DETECTORS FOR SUPPLY AND RETURN AIR DUCTS OF AHU-5 AND AHU-6. EXISTING DETECTORS MAY BE REUSED IF IN GOOD CONDITION AND PROPER WORKING ORDER. WIRE FOR SHUT DOWN OF ASSOCIATED UNIT UPON DETECTION OF SMOKE.

ELECTRICAL PLAN NOTES BY SYMBOL

1. PROVIDE 20A/1P SNAP SWITCH MOUNTED ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT.
2. 30A/3P MANUAL MOTOR CONTROLLER SNAP WITH (W/O OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, HUBBELL #HBL1379D OR EQUAL. MOUNT ADJACENT TO EQUIPMENT AND MAKE FINAL CONNECTION.
3. ROUTE CIRCUITING FOR BOILER PUMP THROUGH CONTACTOR IN BOILER. VERIFY REQUIREMENTS WITH BOILER EQUIPMENT INSTALLER.
4. PROVIDE CONTACTOR AND MAKE CONNECTION TO HOT WATER RECIRC SYSTEM PUMP. SEE DETAIL 2, THIS SHEET.
5. PUSHBUTTON MOUNTED AT 72" AFF FOR EMERGENCY SHUTDOWN OF BOILERS AND WATER HEATERS. PROVIDE COMPLETE WITH MAINTAINED CONTACT, 40mm RED MUSHROOM PUSHBUTTON, N.C. CONTACT BLOCK, NEMA 4X SURFACE MOUNT NON-METALLIC BACKBOX (PILLA MODEL #BSD120 OR EQUAL). VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE PLAQUE ON WALL WITH 3/8" HIGH WHITE LETTERS ON RED BACKGROUND TO READ "EMERGENCY BOILER SHUTDOWN".
6. ROUTE CIRCUIT THROUGH CONTACTOR FOR EMERGENCY SHUTDOWN. SEE DETAIL 1, SHEET E-601.
7. CONTACTOR FOR SHUTDOWN OF WATER HEATERS. SEE DETAIL 1, SHEET E-601.
8. CONTACTORS FOR SHUTDOWN OF BOILERS. SEE DETAIL 1, SHEET E-601.
9. PROVIDE HOSPITAL GRADE, 15A, NEMA 5-15R DUPLEX RECEPTACLE FOR DENTAL VACUUM SYSTEM MASTER CONTROLLER. VERIFY EXACT MOUNTING LOCATION WITH EQUIPMENT INSTALLER.
10. 60A/2P NON-FUSED DISCONNECT SWITCH IN NEMA 1 ENCLOSURE FOR DENTAL VACUUM SYSTEM PUMP. VERIFY EXACT MOUNTING LOCATION WITH EQUIPMENT INSTALLER AND MAKE ALL FINAL CONNECTIONS FOR PROPER OPERATION.
11. 60A/3P DISCONNECT SWITCH IN NEMA 3R ENCLOSURE MOUNTED TO NON-REMOVABLE PANEL OF AHU. PROVIDE WITH (3) DUAL-ELEMENT, TIME-DELAY FUSES IN AMP RATING AS NOTED AND LUGS CAPABLE OF LANDING WIRE SIZE INDICATED IN PANEL SCHEDULE. VERIFY EXACT MOUNTING LOCATION WITH EQUIPMENT INSTALLER AND MAKE FINAL CONNECTION TO EQUIPMENT.
12. 30A/3P DISCONNECT SWITCH IN NEMA 3R ENCLOSURE MOUNTED TO NON-REMOVABLE PANEL OF AHU. PROVIDE WITH (3) DUAL-ELEMENT, TIME-DELAY FUSES IN AMP RATING AS NOTED AND LUGS CAPABLE OF LANDING WIRE SIZE INDICATED IN PANEL SCHEDULE. VERIFY EXACT MOUNTING LOCATION WITH EQUIPMENT INSTALLER AND MAKE FINAL CONNECTION TO EQUIPMENT.



2 HOT WATER RECIRC CONTROL
No Scale

1 FIRST FLOOR ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

NO WORK IN THIS AREA, TYPICAL

NO WORK IN THIS AREA, TYPICAL

NO WORK IN THIS AREA, TYPICAL

US Army Corps of Engineers ®
Little Rock District

MARK	DESCRIPTION	DATE	APPR.
	RECORD DRAWINGS AS-BUILT	01 AUG 2016	
	65% REVIEW	10 DEC 2015	

DESIGNED BY: JLS
DRN BY: LST
CHD BY: JFS
SUBMITTED BY: Engineers, PA
PLOT SCALE: 1/8" = 1'-0"
PLOT DATE: 10 DEC 2015
FILE NAME: ARCH_E1
DATE: 10 DEC 2015
SOLICITATION NO.: W91278-15-R-0005
CONTRACT NO.: W912DQ-13-C-0002
FILE NUMBER:

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT

ZIESON

REPAIR OF BUILDING INFRASTRUCTURE SYSTEMS
19th MEDICAL GROUP
ARCHITECT-ENGINEER
LITTLE ROCK AIR FORCE BASE, AR 72099-5057

1ST FLOOR ELECTRICAL PLAN

SHEET IDENTIFICATION
E-101
SHEET OF

RECORD DRAWINGS AS-BUILT