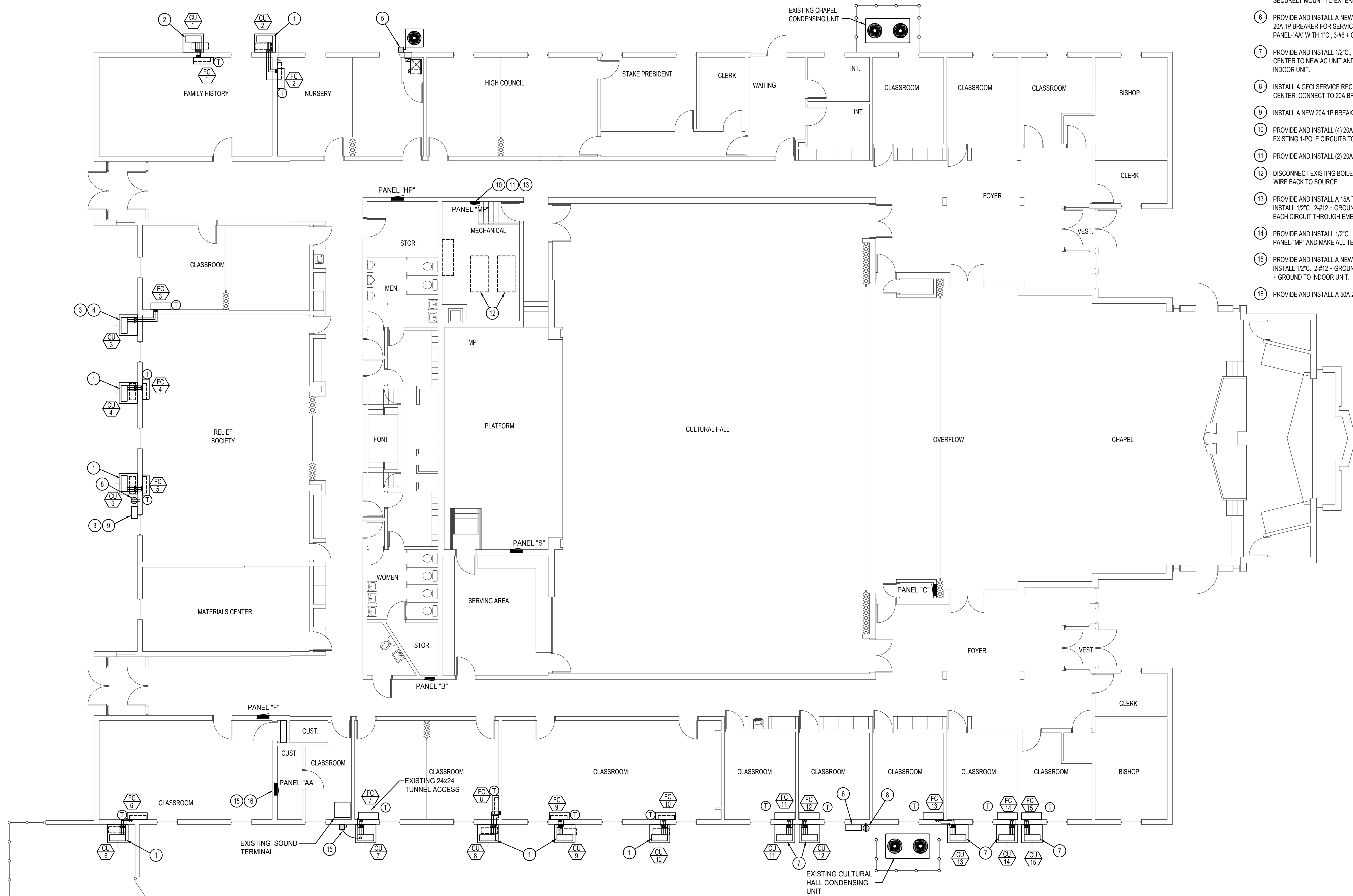
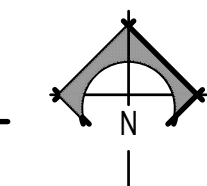
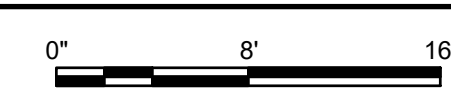


\\PAYNEFILES\SERVER\Main File Storage\2023\US Stake Center HVAC Soda Springs - 2312810_Working Drawings\238E1.dwg Aug 30, 2023 - 11:25am



MAIN PLAN - ELECTRICAL

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



KEY NOTES

- 1 CAREFULLY DISCONNECT EXISTING AC UNIT FOR REMOVAL. REPLACE EXISTING 30A BREAKER WITH NEW 15A 2P BREAKER. EXTEND EXISTING CIRCUIT TO NEW UNIT AND RECONNECT. INSTALL 1/2" C, 2-#12 TO INDOOR UNIT AND MAKE CONNECTIONS.
- 2 CAREFULLY DISCONNECT EXISTING AC UNIT FOR REMOVAL. REPLACE EXISTING 30A FUSES WITH NEW 15A FUSES. EXTEND EXISTING CIRCUIT TO NEW UNIT AND RECONNECT. INSTALL 1/2" C, 2-#12 TO INDOOR UNIT AND MAKE CONNECTIONS.
- 3 INSTALL A NEW 15A 2P BREAKER IN EXISTING PANEL FOR NEW CU/3. INSTALL 1/2" C, 2-#12 + GROUND TO NEW UNIT AND MAKE ALL REQUIRED CONNECTIONS.
- 4 PROVIDE AND INSTALL A 1/2" C, 2-#12 + GROUND TO INDOOR UNIT AND MAKE ALL CONNECTIONS.
- 5 E.C. SHALL REMOUNT EXISTING DISCONNECT THAT HAS BECOME LOOSE FROM WALL. SECURELY MOUNT TO EXTERIOR WALL.
- 6 PROVIDE AND INSTALL A NEW NEMA 3R LOAD CENTER WITH (5) 15A 2P BREAKERS AND ONE 20A 1P BREAKER FOR SERVICE RECEPTACLE. CONNECT LOAD CENTER TO 50A 2P BREAKER IN PANEL "AA" WITH 1" C, 3-#6 + GROUND.
- 7 PROVIDE AND INSTALL 1/2" C, 2-#12 + GROUND FROM NEW 15A 2P BREAKER IN NEW LOAD CENTER TO NEW AC UNIT AND MAKE ALL CONNECTIONS. INSTALL 1/2" C, 2-#12 + GROUND TO INDOOR UNIT.
- 8 INSTALL A GFCI SERVICE RECEPTACLE WITH WEATHERPROOF COVER ADJACENT TO LOAD CENTER. CONNECT TO 20A BREAKER.
- 9 INSTALL A NEW 20A 1P BREAKER IN EXISTING LOAD CENTER FOR SERVICE RECEPTACLE.
- 10 PROVIDE AND INSTALL (4) 20A TANDEM BREAKERS IN EXISTING PANEL "MP" CONSOLIDATE EXISTING 1-POLE CIRCUITS TO TANDEM BREAKERS TO FREE UP BREAKER SPACE.
- 11 PROVIDE AND INSTALL (2) 20A 2P BREAKERS IN PANEL "MP" FOR NEW RECIRC. PUMPS.
- 12 DISCONNECT EXISTING BOILERS FOR REMOVAL. REMOVE ALL ASSOCIATED CONDUIT AND WIRE BACK TO SOURCE.
- 13 PROVIDE AND INSTALL A 15A TANDEM BREAKER IN PANEL "MP" FOR THE TWO NEW BOILERS. INSTALL 1/2" C, 2-#12 + GROUND TO EACH BOILER AND MAKE ALL TERMINATIONS. ROUTE EACH CIRCUIT THROUGH EMERGENCY SHUT OFF SUCH AS ALPS #BSD120N1.
- 14 PROVIDE AND INSTALL 1/2" C, 2-#12 + GROUND TO EACH OF TWO RECIRC. PUMPS FROM PANEL "MP" AND MAKE ALL TERMINATIONS.
- 15 PROVIDE AND INSTALL A NEW 15A 2P BREAKER IN EXISTING PANEL "AA" FOR NEW AC UNIT. INSTALL 1/2" C, 2-#12 + GROUND TO NEW CU/7 AND MAKE TERMINATIONS. INSTALL 1/2" C, 2-#12 + GROUND TO INDOOR UNIT.
- 16 PROVIDE AND INSTALL A 50A 2P BREAKER IN EXISTING PANEL "AA".

ORIGINAL SIGNED BY:
TODD E. PAYNE
DATED ORIGINAL SIGNED:
8-30-2023
ON FILE AT:
PAYNE ENGINEERING INC.

P.E. JOB #2238

IPAYNE
Engineering Inc.
Consulting Engineers

1823 E. Center
Pocatello, Idaho 83201
tel (208) 232-4439
www.payneengineeringinc.com



Engineered Systems Associates
Mechanical Engineers

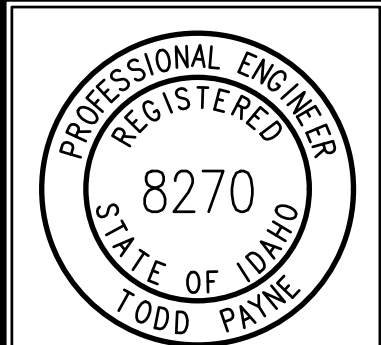
Dwayne Schwab P.E., Dave Hansen P.E., Tanner Davis P.E.
1355 East Center - Pocatello, Idaho 83201
Phone: (208) 233-0501 Fax: (208) 233-0529 email: esa@esystems.com

PROPERTY # 501-3917

PROJECT: BOILER REPLACEMENT & A/C FOR:

LDS SODA SPRINGS 2, 6 & STAKE
290 S. 3RD W., SODA SPRINGS, IDAHO 83276

SHEET TITLE: ELECTRICAL PLAN



DRWN. BY:	OD. BY:
MMP	TEP
JOB NO.	DATE:
21041	8/30/2023

SHEET: **E-1.0**
OF: