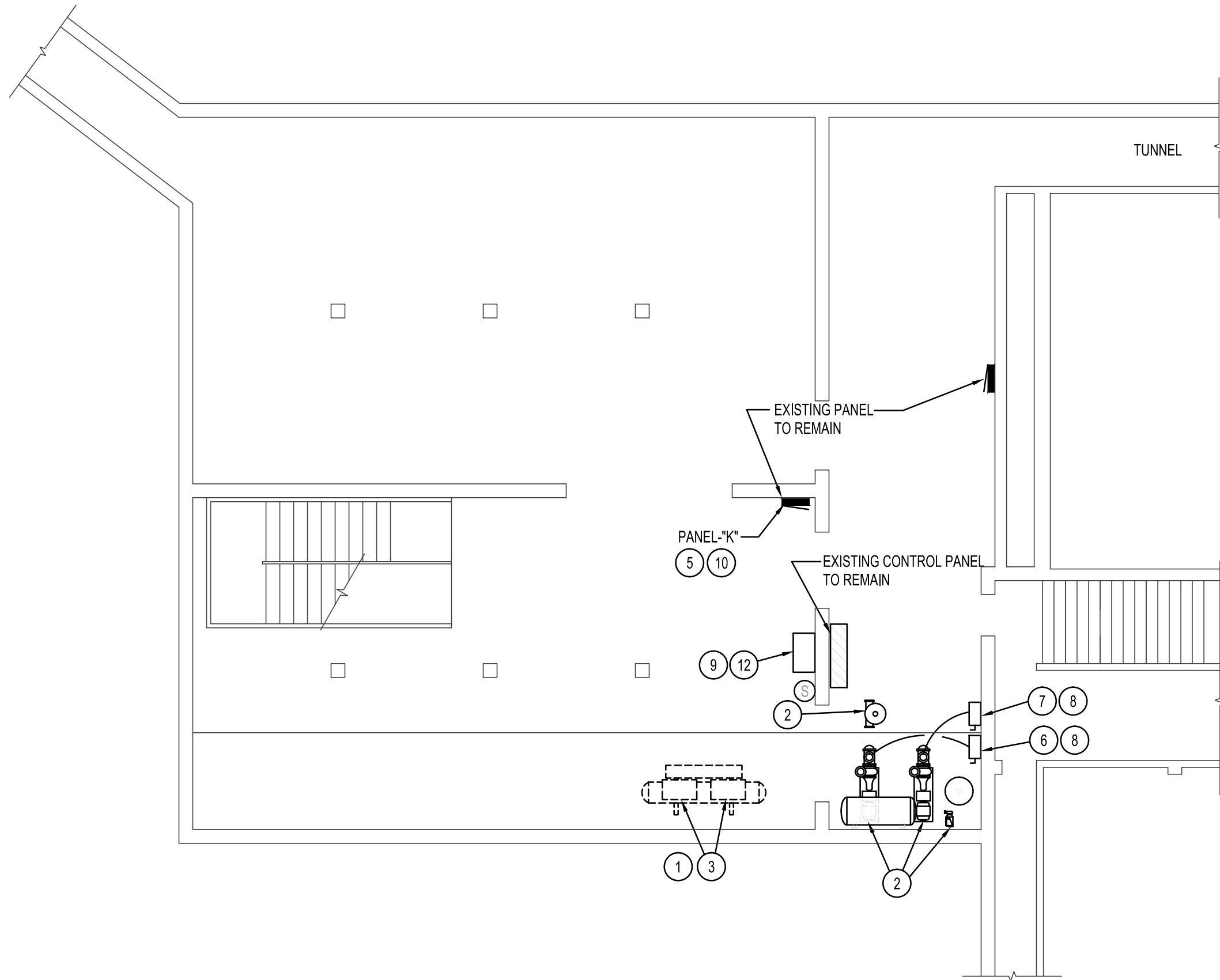


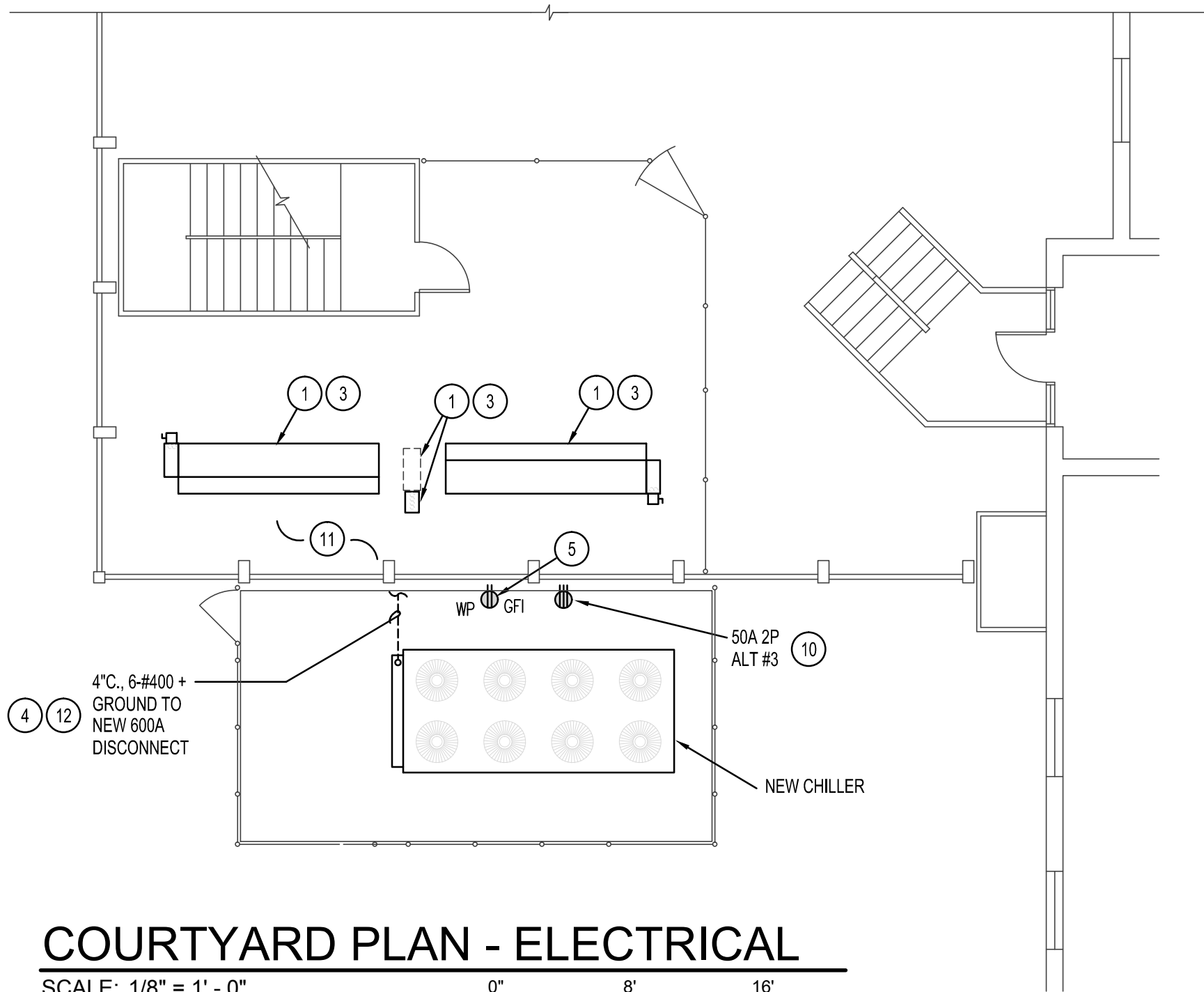
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MECH. ROOM PLAN - ELECTRICAL

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

0" 8' 16'



COURTYARD PLAN - ELECTRICAL

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

0" 8' 16'

KEY NOTES

- 1 EXISTING EQUIPMENT TO REMAIN. PROTECT ELECTRICAL SERVICE UNTIL SCHEDULED CUT OVER TO NEW CHILLER.
- 2 EXISTING EQUIPMENT TO REMAIN. PROTECT, MAINTAIN, AND/OR REESTABLISH ELECTRICAL CONTINUITY AND FULL FUNCTION TO THIS EQUIPMENT.
- ALT #1 3 AFTER NEW CHILLER IS OPERATIONAL, DISCONNECT AND REMOVE EXISTING ELECTRICAL SERVICE, ALONG WITH ALL ASSOCIATED CONDUIT AND WIRE. REMOVE BACK TO SOURCE AND LABEL SPARE.
- 4 PROVIDE AND INSTALL NEW 600A SERVICE TO NEW CHILLER. MAKE ALL REQUIRED CONNECTIONS.
- 5 CONNECT TO NEAREST SPARE 20A 1P BREAKER IN PANEL-"K".
- ALT #2 6 INTERCEPT EXISTING FEEDER TO EXISTING 25HP CIRC. PUMP. EXTEND TO NEW VFD, THEN INSTALL 1 1/2"C., 3-#1 + GROUND FROM VFD TO PUMP AND MAKE ALL CONNECTIONS.
- ALT #2 7 INTERCEPT EXISTING FEEDER TO EXISTING 20HP CIRC. PUMP. EXTEND TO NEW VFD, THEN INSTALL 1 1/2"C., 3-#2 + GROUND FROM VFD TO PUMP AND MAKE ALL CONNECTIONS.
- ALT #2 8 DISCONNECT AND REMOVE EXISTING STARTER/DISCONNECTS AND REPLACE WITH NEW VFD.
- 9 REPLACE EXISTING 400A DISCONNECT WITH NEW 600A FUSED DISCONNECT.
- ALT #3 10 PROVIDE AND INSTALL A 50A 2P BREAKER IN EXISTING PANEL-"K". INSTALL 1"C., 3-#8 + GROUND TO 50A RECEPTACLE IN NEMA 3R ENCLOSURE. CONFIRM NEMA CONFIGURATION WITH OWNER.
- 11 CORE DRILL EXISTING WALL AS REQUIRED FOR ALL NEW CONDUIT PENETRATIONS. SEAL WALL AROUND CONDUIT.
- 12 E.C. SHALL PERFORM AS MUCH WORK AS POSSIBLE BEFORE SCHEDULED SHUTDOWN TO MINIMIZE DOWNTIME.



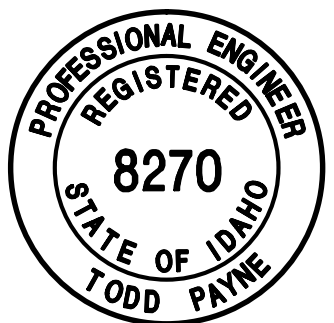
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PROJECT: DPW PROJECT #18223 - CHILLER REPLACEMENT FOR:
LIBERAL ARTS BUILDING
IDAHO STATE UNIVERSITY POCATELLO, IDAHO

SHEET TITLE: ELECTRICAL PLANS

ORIGINAL SIGNED BY:
TODD E. PAYNE
DATED ORIGINAL SIGNED:
2-6-2018
IN FILE AT:
PAYNE ENGINEERING INC.



DRWN. BY: MMP	CHKD. BY: TEP
JOB NO. 11084	DATE: FEB. 2018

P.E. JOB #1108

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