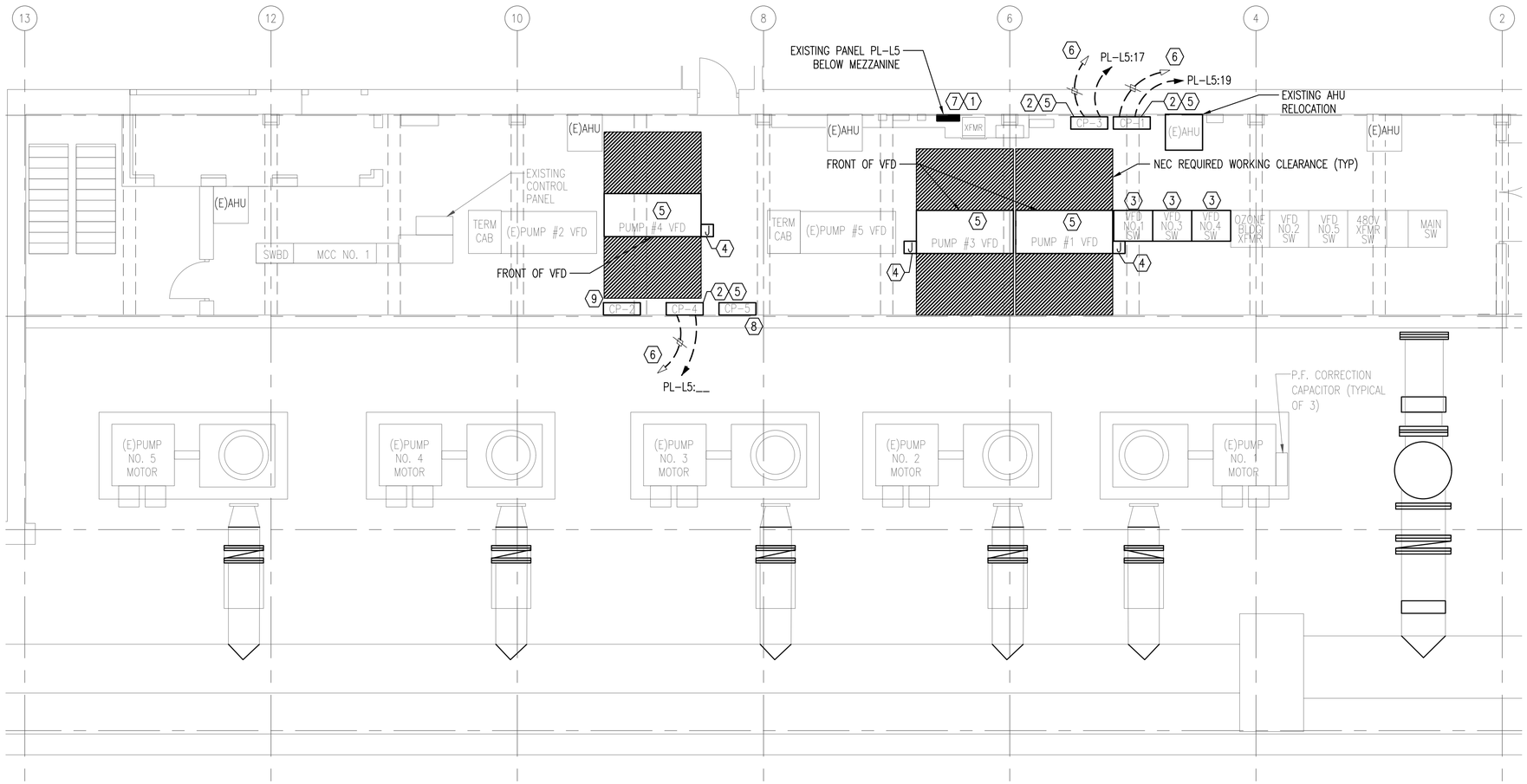

KEYED PLAN NOTES:

1. PROVIDE 20A, 1P, 125V. CIRCUIT BREAKERS IN EXISTING SPACE #__ AND #__. CIRCUIT BREAKERS SHALL MATCH EXISTING CIRCUIT BREAKERS. UPDATE PANEL DIRECTORY.
2. ALLEN-BRADLEY VFD INTERFACE PANEL.
3. NEW SECTION WITH THREE FEEDERS FOR 1000HP DRIVE, 140 FLA AND IC1074 LOAD BREAK SWITCHES DESIGNED FOR USE WITH THE LIMITAMP PRODUCT FAMILY. NEW SECTIONS TO MATCH ALL RATINGS AND FEATURES OF THE EXISTING LINE UP.
4. INSTALL JUNCTION BOX UNDER MEZZANINE FOR EXISTING CONTROL WIRING. PROVIDE CONDUIT AS NECESSARY TO ROUTE CONTROL WIRES TO INTERFACE PANEL.
5. CORE DRILL MEZZANINE AS NECESSARY TO INSTALL POWER AND CONTROL CONDUIT AND WIRING TO INTERFACE PANELS. PANELS ARE DESIGNED FOR BOTTOM ENTRY. REQUIRE CONTRACTOR TO LOCATE REBAR PRIOR TO CORE DRILLING, COORDINATE WITH STRUCTURAL PRIOR TO CUTTING ANY REINFORCEMENT.
6. MODBUS CABLE IN 3/4" CONDUIT TO EXISTING CONTROL PANEL.
7. EXISTING GE TYPE NLAN PANELBOARD.
8. RELOCATED CONTROL PANEL 'CP-5'.
9. RELOCATED CONTROL PANEL 'CP-2'.

A ELECTRICAL PUMP ROOM - PLAN

0" 2' 4' 8' 12'

SCALE: 3/16" = 1'-0"

N

PLAN NOTES:

1. BRANCH CIRCUITS ARE INDICATED AS ONE CIRCUIT HOME RUNS WITH INDIVIDUAL NEUTRALS. A MAXIMUM OF THREE CIRCUITS (MAXIMUM OF THREE PHASE CONDUCTORS) MAY BE GROUPED IN A SINGLE CONDUIT. WHERE MULTIPLE CIRCUITS ARE LOCATED IN THE SAME RACEWAY, JUNCTION BOX OR ENCLOSURE, NEUTRALS SHALL BE MARKED OR LABELED TO INDICATE WHICH CIRCUIT THEY ARE ASSOCIATED WITH. SEE SPECIFICATION SECTION "LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES" FOR ADDITIONAL INFORMATION.
2. A GROUND CONDUCTOR SIZED PER N.E.C. ARTICLE 250 IS REQUIRED IN ALL CONDUITS.
3. ALL CONDUITS SHALL BE IMC OR GRC. MINIMUM CONDUIT SIZE SHALL BE 3/4".

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

RICHARD W. WHITEHILL
LICENSED
23147
10/6/2023
KANSAS
PROFESSIONAL ENGINEER

CITY OF WICHITA, KS

CHENEY VARIABLE FREQUENCY DRIVE
UPGRADE
CHENEY, KS

Issue:		

JOB NO.	217043-012
DATE	OCTOBER 2023
PM	RDB
DESIGNED BY	DCG
DRAWN BY	JAB
CHECKED BY	RWW

ELECTRICAL PUMP ROOM - PLAN

E3.2

Saved 12-27-2022 10:08:33 AM by SEAN.GERETY
Plot Scale 1:1 10-06-2023 12:08:32 PM by SHANNA.MATZEN
U:\Wichita-Civil\2021\217043\017\Elec\Drawings\E3.2 ELECTRICAL PUMP ROOM - PLAN