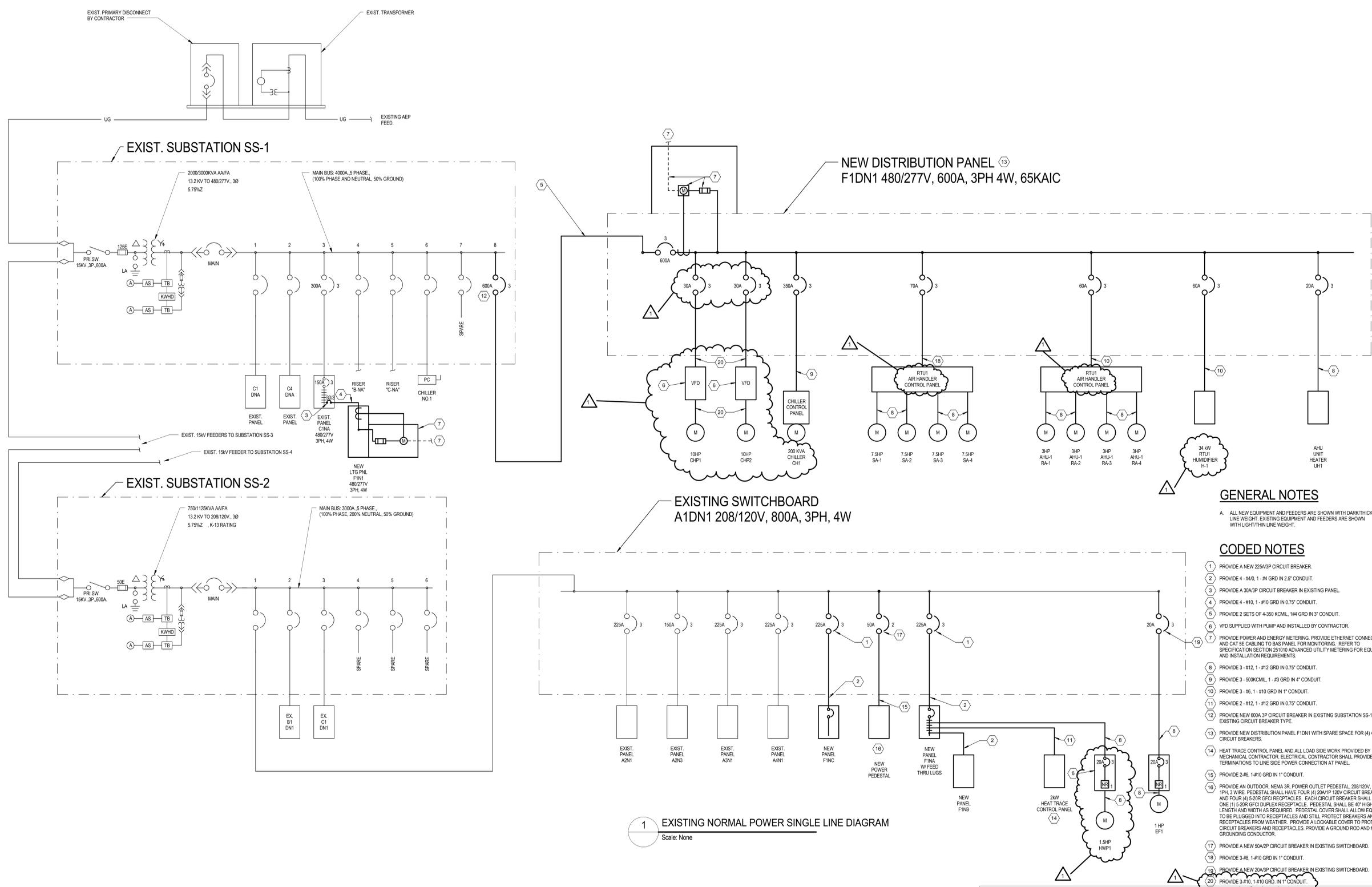


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
C:\Renovation\15_1021_06_Columbus_VA_Bldg_Elec_1m.ssk.dwg



GENERAL NOTES

A. ALL NEW EQUIPMENT AND FEEDERS ARE SHOWN WITH DARK/THICK LINE WEIGHT. EXISTING EQUIPMENT AND FEEDERS ARE SHOWN WITH LIGHT/THIN LINE WEIGHT.

CODED NOTES

- 1 PROVIDE A NEW 225A/3P CIRCUIT BREAKER.
- 2 PROVIDE 4 - #40, 1 - #4 GRD IN 2.5" CONDUIT.
- 3 PROVIDE A 30A/3P CIRCUIT BREAKER IN EXISTING PANEL.
- 4 PROVIDE 4 - #10, 1 - #10 GRD IN 0.75" CONDUIT.
- 5 PROVIDE 2 SETS OF 4-350 KCMIL, 1#4 GRD IN 3" CONDUIT.
- 6 VFD SUPPLIED WITH PUMP AND INSTALLED BY CONTRACTOR.
- 7 PROVIDE POWER AND ENERGY METERING. PROVIDE ETHERNET CONNECTION AND CAT 5E CABLE TO BAS PANEL FOR MONITORING. REFER TO SPECIFICATION SECTION 25.1010 ADVANCED UTILITY METERING FOR EQUIPMENT AND INSTALLATION REQUIREMENTS.
- 8 PROVIDE 3 - #12, 1 - #12 GRD IN 0.75" CONDUIT.
- 9 PROVIDE 3 - 500KCMIL, 1 - #3 GRD IN 4" CONDUIT.
- 10 PROVIDE 3 - #6, 1 - #10 GRD IN 1" CONDUIT.
- 11 PROVIDE 2 - #12, 1 - #12 GRD IN 0.75" CONDUIT.
- 12 PROVIDE NEW 600A 3P CIRCUIT BREAKER IN EXISTING SUBSTATION SS-1. MATCH EXISTING CIRCUIT BREAKER TYPE.
- 13 PROVIDE NEW DISTRIBUTION PANEL F1DN1 WITH SPARE SPACE FOR (4) 400A 3P CIRCUIT BREAKERS.
- 14 HEAT TRACE CONTROL PANEL AND ALL LOAD SIDE WORK PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE TERMINATIONS TO LINE SIDE POWER CONNECTION AT PANEL.
- 15 PROVIDE 2-#6, 1-#10 GRD IN 1" CONDUIT.
- 16 PROVIDE AN OUTDOOR, NEMA 3R, POWER OUTLET PEDESTAL, 208/120V, 50A, 3PH, 3 WIRE. PEDESTAL SHALL HAVE FOUR (4) 20A/1P 120V CIRCUIT BREAKERS AND FOUR (4) 5-20R GFCI RECEPTACLES. EACH CIRCUIT BREAKER SHALL SERVE ONE (1) 5-20R GFCI RECEPTACLE. PEDESTAL SHALL BE 40" HIGH, LENGTH AND WIDTH AS REQUIRED. PEDESTAL COVER SHALL ALLOW EQUIPMENT TO BE PLUGGED INTO RECEPTACLES AND STILL PROTECT BREAKERS AND RECEPTACLES FROM WEATHER. PROVIDE A LOCKABLE COVER TO PROTECT CIRCUIT BREAKERS AND RECEPTACLES. PROVIDE A GROUND ROD AND #6 GROUNDING CONDUCTOR.
- 17 PROVIDE A NEW 50A/2P CIRCUIT BREAKER IN EXISTING SWITCHBOARD.
- 18 PROVIDE 3-#8, 1-#10 GRD IN 1" CONDUIT.
- 19 PROVIDE A NEW 20A/3P CIRCUIT BREAKER IN EXISTING SWITCHBOARD.
- 20 PROVIDE 3-#10, 1-#10 GRD IN 1" CONDUIT.

ADDENDUM 1	2017.06.05
Revisions:	Date

VA U.S. Department of Veterans Affairs
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STATE OF OHIO
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 REGISTERED PROFESSIONAL ENGINEER
 12/23/2016

ARCHITECT/ENGINEERS:
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Drawing Title
EXISTING NORMAL POWER SINGLE LINE DIAGRAM

Approved for Design Concept:
 FARID MEHR
 CHIEF ENGINEER

Project Title
CONSTRUCT MENTAL HEALTH AND SPECIALTY CARE ADDITION

Location
 CHALMERS P. WYLIE VAAMC

Date
 23 DEC 2016

Checked By:
 RA

Drawn By:
 BW

VA Project Number
 757-202

Building Number
 1A

Drawing Number
EE701

