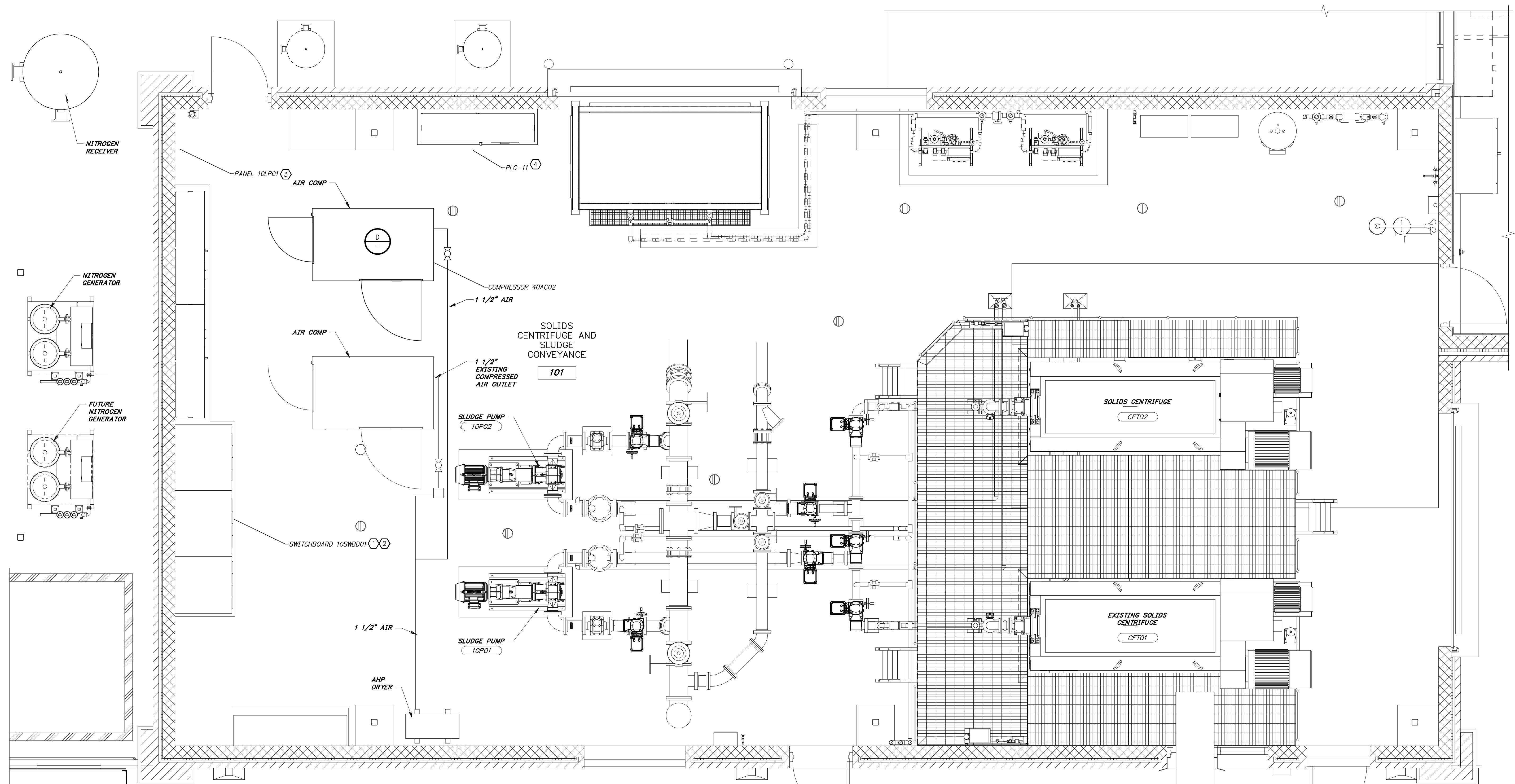
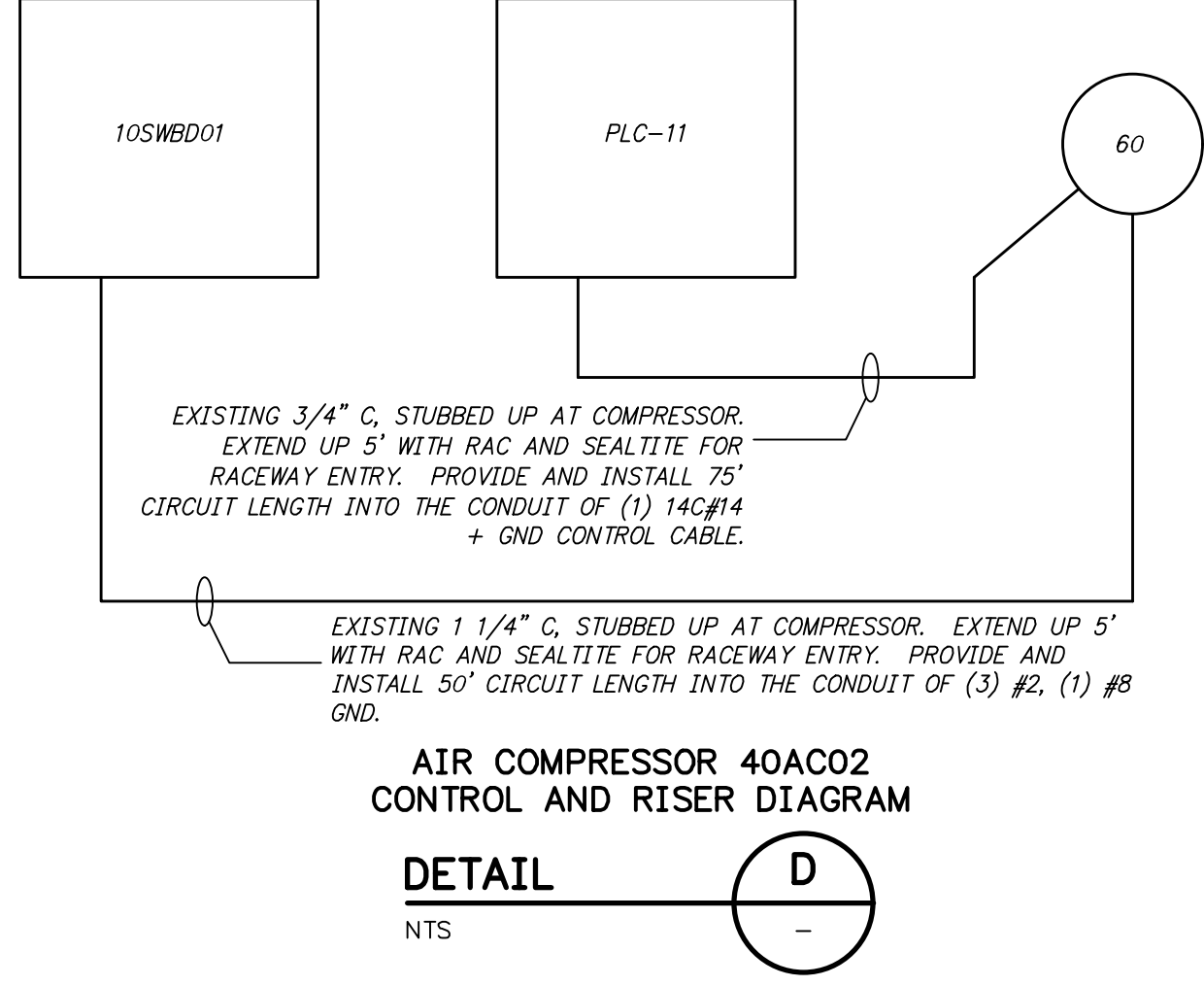


Z:\20\2020043 ROGERS SOLIDS HANDLING IMPROVEMENTS, PH. 2\DRAWINGS\CONSTRUCTION DRAWINGS\WTP\EE-01.DWG, 8/26/2024 11:35 AM, MATT WEIR, EE-01



DEWATERING BUILDING ELECTRICAL PLAN

DETAIL C
3/8" = 1'-0"



AIR COMPRESSOR 40AC02 CONTROL AND RISER DIAGRAM

DETAIL D
NTS

KEYED NOTES:

- ① IN THE DEWATERING BUILDING, SUPPLY AND INSTALL ONE (1) EATON CIRCUIT BREAKER INTO SWITCHBOARD 10SWBD01 TO POWER THE PROPOSED AIR COMPRESSOR. THE BREAKER SHALL BE EATON CATALOG NUMBER HFDE322532, 600V, 225A, WITH ADJUSTABLE TRIP. MATCH THE TRIP SETTING FOR THE EXISTING AIR COMPRESSOR CIRCUIT BREAKER WITH AN IR TRIP SETTING OF "A", LONG TIME TRIP TLD OF 15, AND SHORT RATING ISD SETTING OF 7. SEE THE RISER DIAGRAM DETAIL B ON SHEET E-3.
- ② IN THE DEWATERING BUILDING, SUPPLY AND INSTALL ONE (1) EATON CIRCUIT BREAKER INTO SWITCHBOARD 10SWBD01 TO POWER THE PROPOSED SLUDGE MIXING BOX. THE BREAKER SHALL BE EATON CATALOG NUMBER HFD30100BP10, 600V, 100A, SIMILAR TO OTHER EXISTING BRANCH CIRCUIT BREAKERS IN THE SWITCHBOARD SECTION.
- ③ IN THE DEWATERING BUILDING, UTILIZE THREE (3) EXISTING 20A SINGLE POLE CIRCUIT BREAKERS IN EXISTING PANELBOARD 10LP01 FOR 120V POWER FEEDS TO SLUDGE MIXING BOX EQUIPMENT.
- ④ IN THE DEWATERING BUILDING, SUPPLY AND INSTALL ONE (1) HUBBELL FTU15P AND FSPN168S COMPACT FIBER OPTIC PATCH PANEL INTO EXISTING PLC-11, AND TERMINATE THE FIBER OPTIC CABLE FROM THE DRYER BUILDING. PROVIDE AND INSTALL TWO (2) 6.5' ST-ST FIBER OPTIC PATCH CABLES FROM THE THE PATCH PANEL TO TWO (2) EXISTING N-TRON 110FX2 FIBER OPTIC SWITCHES.

1"
ONE INCH AT FULL SIZE
IF NOT ONE INCH SCALE ACCORDINGLY

DATE	REVISION



HAWKINS WEIR ENGINEERS, INC.
BLACK & VEATCH

ROGERS, ARKANSAS
ROGERS POLLUTION CONTROL FACILITY (PCF)
SOLIDS HANDLING IMPROVEMENTS, PHASE II
DEWATERING BUILDING ELECTRICAL PLAN
FOR: ROGERS WATER UTILITIES

DATE: AUGUST 2024
SCALE: AS SHOWN
DESIGNED BY: LSM
DRAWN BY: LSM
HWEI NO.: 2020043
FILENAME: EE-01
SHEET NO. EE-1

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