

5

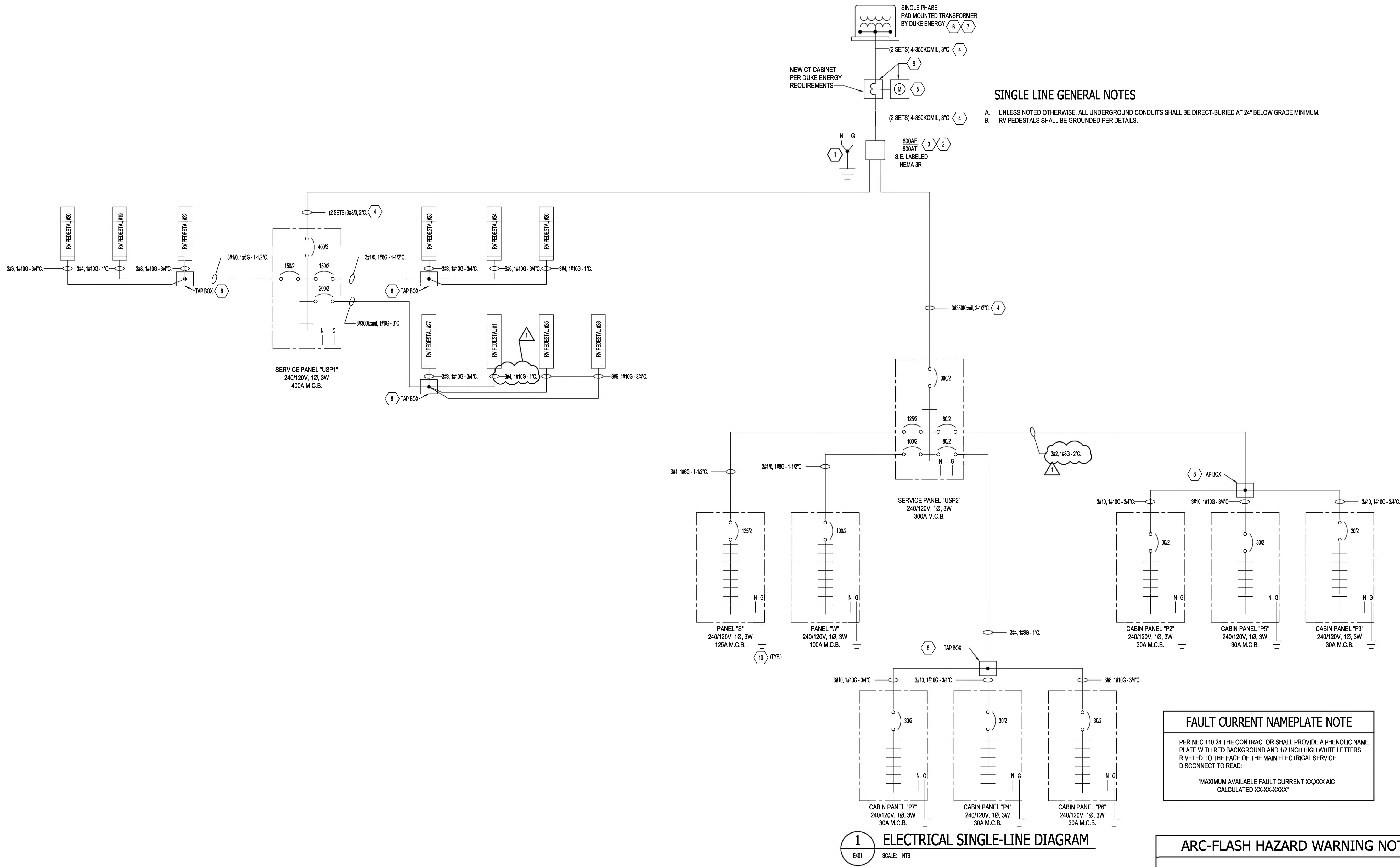
4

3

2

1

10/25/2023 4:28:12 PM



NOTES KEYED TO SINGLE-LINE DIAGRAM

- CONNECT 1#3/0 SERVICE GROUND TO GROUND RODS, WATER PIPE, BUILDING STEEL (CONCRETE STRUCTURE REBAR), ETC., PER NEC 250. REFER TO GROUNDING DETAILS.
- PROVIDE PHENOLIC FAULT CURRENT NAMEPLATE FOR THIS PANELBOARD. REFER TO THE FAULT CURRENT NAMEPLATE NOTE ON THIS SHEET FOR MORE INFORMATION.
- ALL SERVICE EQUIPMENT SHALL BE S.E. RATED.
- NEW ELECTRICAL SERVICE FROM NEW PAD MOUNTED TRANSFORMER SECONDARY TO BE PROVIDED AND INSTALLED BY CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE 10'-0" OF ADDITIONAL CONDUCTORS (SLACK) WITHIN NEW SITE TRANSFORMER FOR CONNECTION BY THE LOCAL POWER COMPANY. THE UNDERGROUND CONDUIT FROM THE NEW EXTERIOR MOUNTED ELECTRICAL SERVICE WIREWAY SHALL BE SLOPED AT A MINIMUM OF 2% BACK TOWARDS THE NEW SITE TRANSFORMER PIT PAD. COORDINATE ALL WORK WITH LOCAL POWER COMPANY AND ALL OTHER TRADES PRIOR TO BEGINNING ANY WORK ASSOCIATED WITH THIS NEW ELECTRICAL SERVICE FEEDER. SERVICE FEEDERS TO BE CONCRETED ENCASED (3-INCHES OF CONCRETE ON ALL SIDES OF DUCTBANK). REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.
- METER ENCLOSURE & CT CABINET ENCLOSURE FURNISHED & INSTALLED BY EC. METERS & CTs FURNISHED & INSTALLED BY LOCAL POWER COMPANY. COORDINATE EXACT REQUIREMENTS WITH LOCAL POWER COMPANY. CONTRACTOR SHALL VERIFY THE EXACT SIZED ENCLOSURE REQUIRED FOR THE CT CABINET WITH THE LOCAL POWER COMPANY PRIOR TO PURCHASING.
- REFER TO CIVIL/SITE PLANS FOR LOCATION OF ELECTRICAL UTILITY SITE TRANSFORMER.
- NEW SITE ELECTRICAL TRANSFORMER PAD INSTALLATION PROVIDED BY ELECTRICAL CONTRACTOR. SITE TRANSFORMER AND FINAL TERMINATIONS PROVIDED BY LOCAL POWER COMPANY. VERIFY EXACT MATERIALS NEEDED AND INSTALLATION REQUIREMENTS OF NEW SITE ELECTRICAL TRANSFORMER CONCRETE PAD WITH LOCAL POWER COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ALL POWER COMPANY INFRASTRUCTURE REQUIRED FOR THIS NEW ELECTRICAL SITE TRANSFORMER PAD EXACTLY PER THE LOCAL POWER COMPANIES STANDARDS.
- PROVIDE U.L. WET LOCATION LISTED TAP BOX IN NEMA 3R ENCLOSURE. TAP BOX TO BE SIZED PER NEC. COORDINATE EXACT LOCATION OF TAP BOX WITH ARCHITECT AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN OF NEW PANEL FEEDERS.
- COORDINATE DEMARCATION POINT OF LOCAL POWER COMPANY WORK/MATERIALS PRIOR TO INSTALLING THE C.T. CABINET ENCLOSURE AND THE METER BASE ENCLOSURE. ELECTRICAL SERVICE METER AND C.T. CABINET TO BE MOUNTED ON EXTERIOR ELECTRICAL SERVICE SUPPORT STRUCTURE. REFER TO DETAILS FOR MORE INFORMATION.
- PROVIDE GROUND ROD IN ACCORDANCE WITH NEC 250 FOR ALL PANELS SERVED FROM A GROUNDED SERVICE DISTRIBUTION PANEL LOCATED AT ANOTHER STRUCTURE.

Skinner | Farlow | Kirwan
architecture
skarchitecture.com

consultants

ENGINEERED
DESIGNS INC.
North Carolina License #C-1729
1801 SE Cary Parkway, Suite 200, Cary, North Carolina 27508
P 919.851.0400 F 919.851.9703 www.engineereddesigns.com

project status

Bid Set

owner id

SCO ID#
16-14421-01A

seals

ENGINEERED DESIGNS INC.
CORPORATE
SEAL
C-1729

PROFESSIONAL ENGINEER
NORTH CAROLINA
15044 D. L. LUMMA
03/16/01
DATE: 02-13-24

revisions

#	date	note
1	2/13/24	Addendum #2

Umstead State Park
Campground Improvements

8801 Glenwood Ave
Raleigh, NC 27617

NC Division of Parks and Recreation

PROJECT 1394-21
DATE 01/19/24
DRAWN DJH
CHECKED JDL

sheet name

ELECTRICAL
SINGLE LINE AND
PANEL SCHEDULES

sheet no

E-401