



TRANSFORMER CONNECTION SCHEDULE							
Panel Name	Transformer Rating	Mounting	Transformer Primary Voltage	Transformer Secondary Voltage	Transformer Secondary Protection	Transformer Secondary Feeder	Grounding Electrode Conductor
T-A	75.00 kVA	FLOOR	480 V	208Y/120V	250 A	4#250, 1#2G - 2.50°C	1#2G - 0.75°C
T-B	45.00 kVA	CLG	480 V	208Y/120V	150 A	4#210, 1#4G - 2.00°C	1#4G - 0.75°C
T-C	75.00 kVA	FLOOR	480 V	208Y/120V	250 A	4#250, 1#2G - 2.50°C	1#2G - 0.75°C
T-EA	30.00 kVA	CLG	480 V	208Y/120V	110 A	4#1, 1#6G - 1.25°C	1#6G - 0.75°C
T-EC	30.00 kVA	CLG	480 V	208Y/120V	110 A	4#1, 1#6G - 1.25°C	1#6G - 0.75°C
T-GEN	75.00 kVA	CLG	480 V	208Y/120V	275 A	4#300, 1#2G - 2.50°C	1#2G - 0.75°C
T-UPS	75.00 kVA	CLG	480 V	208Y/120V	275 A	4#300, 1#2G - 2.50°C	1#2G - 0.75°C

GENERAL SHEET NOTES

- A. PROVIDE A TIME-CURRENT COORDINATION AND SHORT CIRCUIT STUDY PREPARED BY A REGISTERED PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF GEORGIA.
- B. PROVIDE AN ARC FLASH STUDY PREPARED BY A REGISTERED PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF GEORGIA. PROVIDE AND APPLY ARC FLASH LABELS WITH CALCULATED INCIDENT ENERGY TO ALL ELECTRICAL EQUIPMENT.
- C. ALL PANELBOARDS SHALL BE PROVIDED WITH COPPER BUSSING.
- D. DRY-TYPE TRANSFORMERS SHALL BE PROVIDED WITH COPPER WINDING TYPE; 115 DEGREE TEMPERATURE RISE.
- E. PROVIDE SELECTIVELY COORDINATED BREAKER PAIRS FOR LIFE SAFETY ATS FEEDER DOWN THROUGH LAST BREAKER IN LIFE SAFETY DISTRIBUTION.

SHEET KEYNOTES

- 1. SERVICE ENTRY SPD SHALL BE 340KA, LOCATION "C" DEVICE, INTERNALLY MOUNTED. LENGTH OF CONDUCTOR SHALL NOT EXCEED 3'-0"
- 2. DISTRIBUTION SPD SHALL BE 180KA, LOCATION "B" DEVICE, INTERNALLY MOUNTED. LENGTH OF CONDUCTOR SHALL NOT EXCEED 3'-0"
- 3. PANELBOARD SPD SHALL BE 120KA, LOCATION "A" DEVICE, INTERNALLY MOUNTED. LENGTH OF CONDUCTOR SHALL NOT EXCEED 3'-0"
- 4. LENGTH OF EACH CONDUCTOR SHALL NOT EXCEED 10'-0". REFER TO DRY-TYPE TRANSFORMER SCHEDULE.
- 5. EACH TRANSFORMER/SEPARATELY DERIVED SYSTEM SHALL BE BONDED TO THE NEAREST AVAILABLE POINT OF THE INTERIOR METAL WATER PIPING SYSTEM AND STRUCTURAL STEEL IN THE AREA SERVED BY EACH SEPARATELY DERIVED SYSTEM.
- 6. PROVIDE (4) SETS: #600KCMIL IN 4.00" CONCRETE ENCASED CONDUIT.
- 7. PROVIDE 4#30, #6 G IN 2.50".
- 8. PROVIDE 4#350, #4 G IN 4.00".



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GEORGIA

Professional Engineer

713/2023

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JACKSON COUNTY
ADMINISTRATION CENTER

67 ATHENS STREET
JEFFERSON, GA 30049

PROJECT

DESIGN: BCE | DRAWN: BCE | CHECKED: BCE

ELECTRICAL ONE-LINE DIAGRAM - POWER

SHEET TITLE

DATE: 07/18/2023

DATE: 04/04/23

PROJ. NUMBER: 22303

FILE NUMBER: []

FILE NUMBER: []

NO. DESCRIPTION

1 90% RELEASE FOR PLAN REVIEW

2 90% CONFORMED DOCUMENTS - RELEASE FOR CONSTRUCTION

RELEASE

E8.0

1 ELECTRICAL ONE-LINE DIAGRAM - POWER
NOT TO SCALE

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