



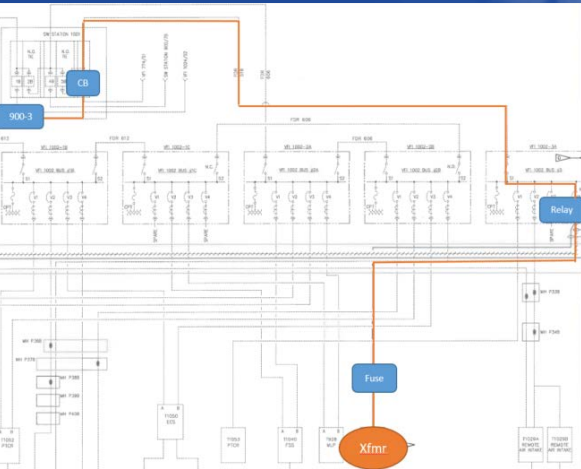
Electrical Engineering

Medium Voltage Protection and Coordination

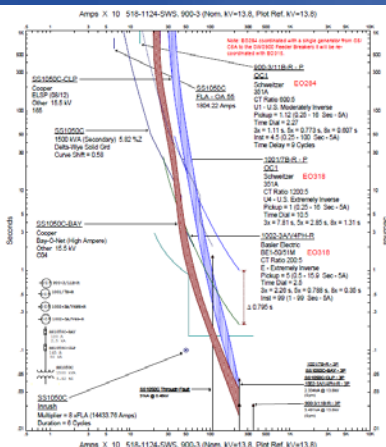
We Keep the lights on so you can explore the stars.



University of Central Florida
Electrical Engineering
GRADUATION DATE: August 2020



Electrical Single line Diagram



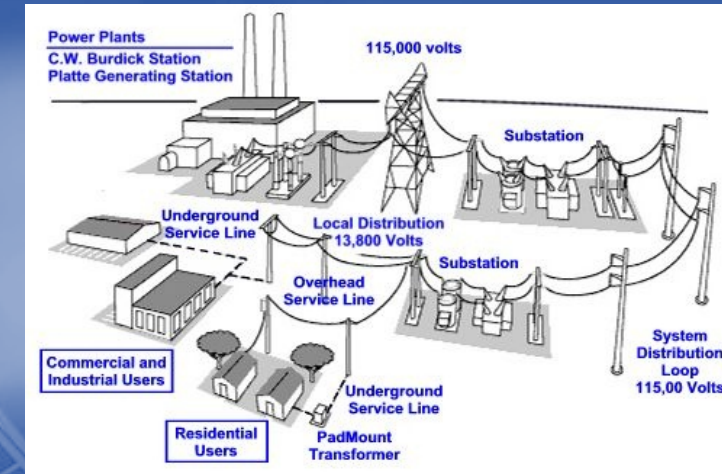
Time Current Curve (TCC)



- ❑ Selectivity-the complete isolation of a fault without altering any other portion of the electrical system
- ❑ Verify coordination between protective devices for replacements and new installations as designed by ISC
- ❑ Verify drawings are correct for each project and the protection is accurate for the equipment that is being installed
- ❑ Verify power readings on equipment
- ❑ Support for trouble shooting failed equipment and provide input for solutions to repair issue
- ❑ Provide feedback for future maintenance and projects



Synchrowave analysis tool



General Power distribution system

Credit: City of Grand Island Nebraska

Electrical King of Medium Voltage
Mentor: Ray Davis P.E.
Division Chief: Gus Diaz
Supervisor: Manny Cabrera
Director SI: Nancy Bray SI-C1