

EE/CprE/SE 491 – sdmay20-15

Substation Design

Week 10 Report

October 31st – November 7th

Client:

Burns & McDonnell

Faculty Advisor:

James McCalley

Team Members:

Kaitlyn Ziska – Professor Client Liaison

Brian Mace – Chief Engineer

Brandon Kaas – Scribe

Salvador Salazar – Meeting Facilitator

Justin Fischbach – Test Engineer

Robert Huschak – Report Manager

Past Week Accomplishments:

ORGANIZATIONAL ACCOMPLISHMENTS:

- o Implement changes to the plan view
- o Finish creating section cuts based on finalized plan view

TECHNICAL ACCOMPLISHMENTS:

1.) Submit rough draft of plan view to Burns & McDonnell

- Changes made after review was performed by client's engineers:
 - I. Reduce amount of slack bus in system
 - adjust connections between transformers, disconnect switches and breakers

II. Label line exits

III. Condense spacing on low voltage side

IV. Add CCVTs

V. Add future development

VI. Rearrange component orientation based on control house placement

2.) Begin section cuts based on plan view

- Will be working with Autodesk autoCAD to convert the plan view into multiple 2D dimensioned diagrams.

Individual Contributions:

Team Member	Contribution	Weekly Hours
Kaitlyn Ziska	Worked on Creating plan views	10
Brian Mace	Worked on Creating plan views	10
Brandon Kaas	Worked on Creating plan views	10
Salvador Salazar	Worked on Creating plan views	0
Justin Fischbach	Worked on Creating plan views	10
Robert Huschak	Worked on Creating plan views	10

Salvador Salazar out of state on work related business