

EE 492 – sdmay19-26

115kV / 34.5kV SOLAR POWER PLANT/SUBSTATION DESIGN PROJECT

Week 1 Report

Monday (1/14/2019) – Sunday (1/20/2019)

Client: Black & Veatch

Advisor: Venkataramana Ajjarapu

Team Email: sdmay19-26@iastate.edu

Team Members:

Katayi Katanga

Nur Shuazlan

Yao Cheah

Chufu Zhou

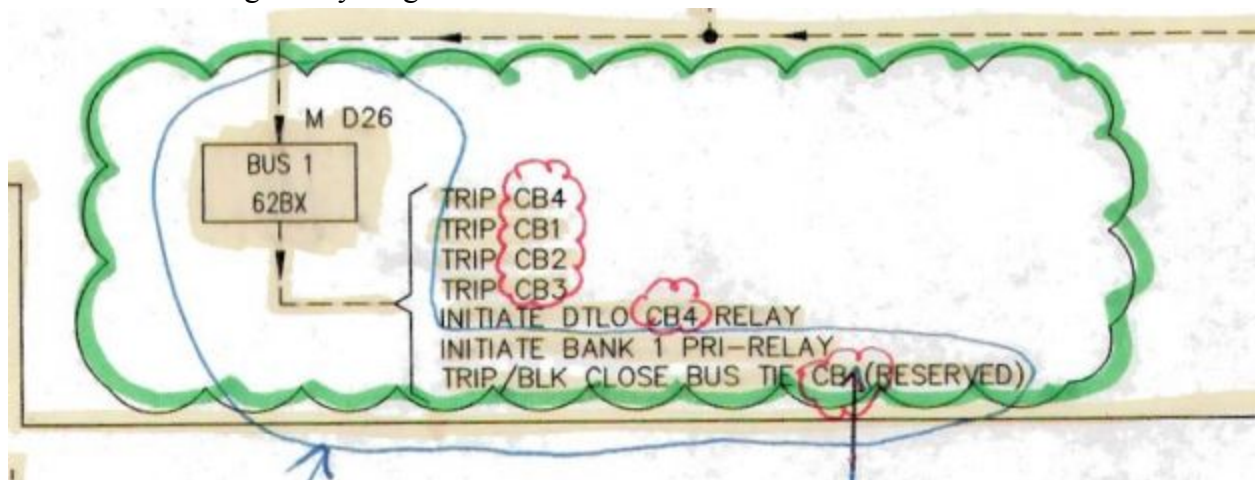
Tam Nguyen

Weekly Summary:

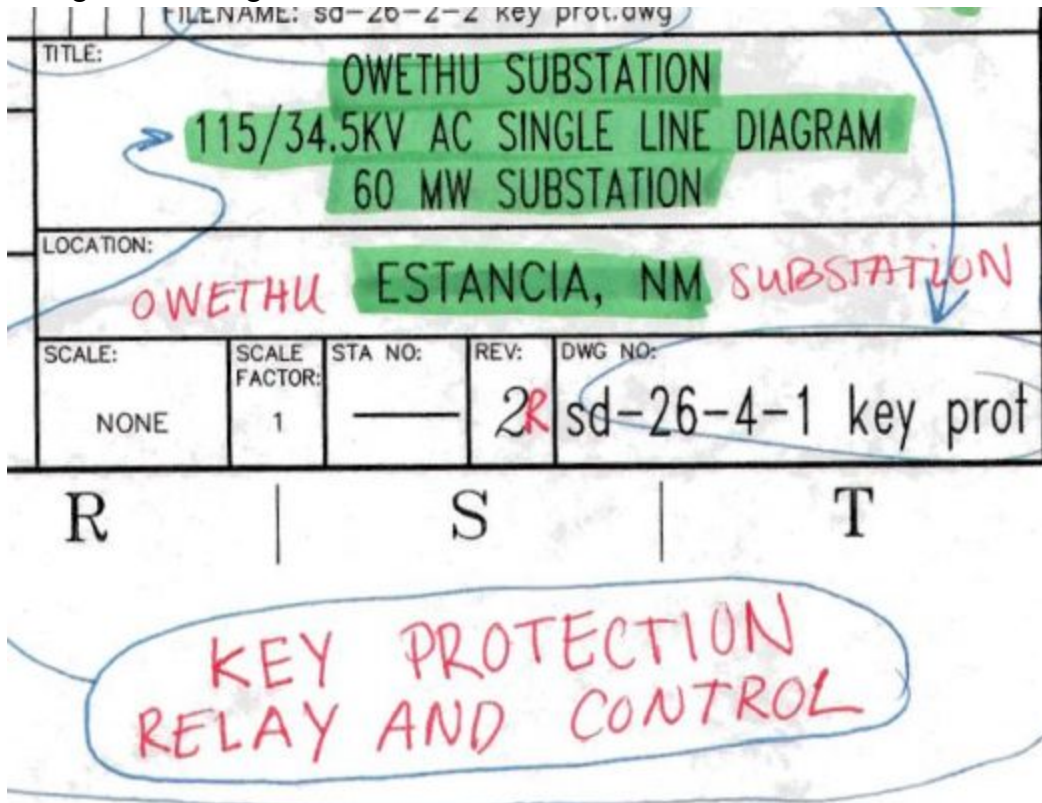
This week, we had one meeting with our client, Black and Veatch. In our meeting, the client showed us what we need to update in the drawings we did last semester. Then, we divided the drawings to everyone to update and check. Also, we worked on new drawings (DC Feeder Diagrams).

Summary of Client meeting:

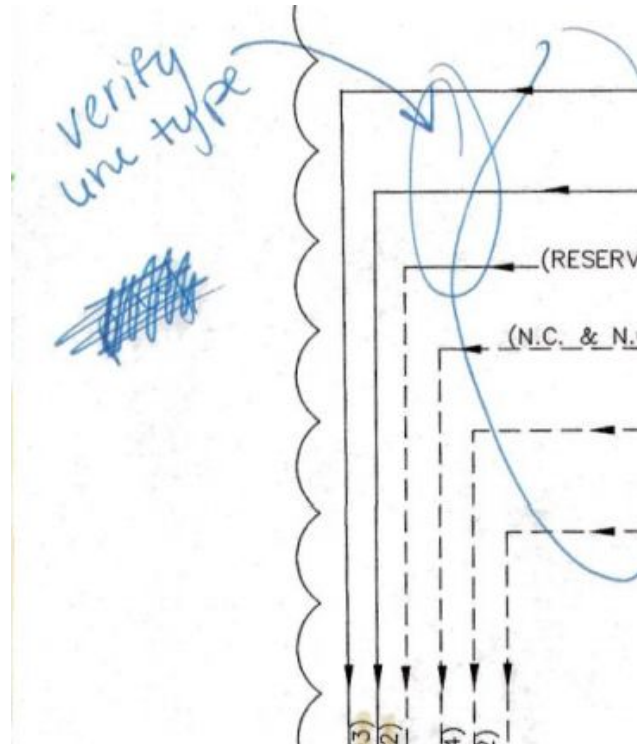
- For this meeting, the client sent us the revision that they made in our drawings. They wanted us to:
 - Use small revision cloud for the changes only instead of using big cloud because we didn't change everything.



- Change the drawings titles.



- Verify some information.



Past Week Accomplishments:

Katayi Katanga

- Worked on AutoCAD for Feeders 1 and 3 drawings and revisions
- Reviewed Key protection drawing
- Edited drawing list showing the names of all the AutoCAD drawings we are going to create

Nur Shuazlan

- Worked on AutoCAD for AC 2 diagram.
- Reviewed the AutoCAD AC 1, key protection, and Feeder 2 diagrams
- Edited drawing list showing the names of all the AutoCAD drawings we are going to create

Yao Cheah

- Worked on AutoCAD for key protection and AC 1 diagrams
- Edited drawing list showing the name of all the AutoCAD drawing we are going to create

Chufu Zhou

- Worked on AutoCAD for AC 1 diagram
- Reviewed the AutoCAD feeder 1 drawing
- Edited drawing list showing the name of all the AutoCAD drawing we are going to create

Tam Nguyen

- Worked on AutoCAD for one-line collector and feeder and feeder 2 diagrams
- Reviewed the AutoCAD AC 1, AC 2, feeder 1, and feeder 2 diagrams
- Edited drawing list showing the name of all the AutoCAD drawing we are going to create

Pending Issues:

- Waiting for feedback from the client regarding the drawings.

Plans For Next Week:

Katayi Katanga

- Work on DC Feeder 3 diagram.
- Check Key Protection diagram and DC Feeder 2 diagram.

Nur Shuazlan

- Work on AC2 diagram.
- Check Key Protection diagram and Feeder and Collector drawings.

Yao Cheah

- Work on Key Protection diagram.
- Check DC Feeder 2 diagram as well as Feeder and Collector.

Chufu Zhou

- Work on AC1 diagram.
- Check AC2 diagram and DC Feeder 1 diagram.

Tam Nguyen

- Work on Feeder 2 diagram.
- Check DC Feeder 1 diagram and AC2 diagram.

Individual Contributions

Team Member	Individual Contributions	Hours	Cumulative Hours
Katayi Katanga	Created/Performed: <ul style="list-style-type: none">- Worked on Feeder 1 and 3 autocad- attended all meetings	5	5
Nur Shuazlan	Created/Performed: <ul style="list-style-type: none">- AutoCAD modification to the AC2 schematic- attended all meetings	5	5
Yao Cheah (YJ)	Created/Performed: <ul style="list-style-type: none">- AutoCAD modification to the Key Protection schematic- attended all meetings- Website update	4	4
Tam Nguyen	Created/Performed: <ul style="list-style-type: none">- Worked on Feeder 2 autocad- attended all meetings	5	5
Chufu Zhou	Created/Performed: <ul style="list-style-type: none">- AutoCAD modification to the AC1 schematic- attended most of the meetings	3	3

Team Hours: 22

Cumulative Team Hours: 22