

Team Meeting

3/28/2019
Library 306C

Type of meeting:	Meeting with Client
Note taker:	Chufu

Attendees: Whole team, Cole, Patrick

Please read:

Please bring: Laptop

Minutes

Agenda item: Safety Moment

Presenter: YJ

Discussion:

This week, the safety moment was about Tornado safety tips.

- If a Warning is issued or if threatening weather approaches:
 - In a home or building, move to a pre-designated shelter, such as a basement.
 - If an underground shelter is not available, move to an interior room or hallway on the lowest floor and get under a sturdy piece of furniture.
 - Stay away from windows.
 - Get out of automobiles.
 - Do not try to outrun a tornado in your car; instead, leave it immediately.
 - Mobile homes, even if tied down, offer little protection from tornadoes and should be abandoned.
 - Occasionally, tornadoes develop so rapidly that advance warning is not possible. Remain alert for signs of an approaching tornado. Flying debris from tornadoes causes most deaths and injuries.
 - There were about 400 tornados recorded in Minnesota since 2010 till 2018
 - Iowa has average of 51 tornadoes per year and in 2018, there were 69 tornadoes occurred.

Agenda item: Drawings Feedback

Presenter: The team

Discussion:

- **Layout Drawings**
 - Cole and Patrick told us the feedback of Layout drawing, SD-26-5-4 had to be revised as the numberings in the rack should be deleted for a spare item.

Conclusions:

- SD-26-5-4 will be reviewed based on this feedback.

Agenda item: Changes to the solar plant

Presenter: The team

Discussion:

- To mitigate the solar plant:
Decrease the amount of Combiner Boxes per array to meet inverter capacity, and increase the amount of inverter/arrays accordingly for the full plant

This way the plant size and panel amounts don't change, but inverter amount will, end up with 50ish total.

Conclusions:

- The team will go ahead edit their findings accordingly

Agenda item: Grounding Calculation

Presenter: The team

Discussion:

- First three questions have been completed, after a slight hiccup with the 4th problem has been resolved, team will continue as planned
- And discuss the grounding substation, and figure out the Em and Es and more parameter to use.

Conclusions:

- The team would go ahead and perform the designing next week.

Action items

Person responsible

Deadline

✓ Grounding Grid Designing

Team

TBD

Action Item List						
Item	Description	Date Added	To Be Completed By	Date Closed	Scheduled Completion Date	Notes

Final presentation		3/28/2019	4/25/2019			
Complete designing	The team will be completing and finalizing all calculation	3/28/2019	4/4/2019			

Other Information

Resources:

Communication Grounding Grid Design Requirements, IEEE 80

Special notes: None