

BYU ENGINEERING

Civil & Construction Engineering

CAPSTONE

Project Status Report: CPST-0 05

Team Members: Julianna Edington, Isaac Averett, Josh Sweeten

Project Title: SEA Engineers

**Weekly Mtg: 3/19 – CB building CAEDM lab
3/21- library fifth floor**

1) Summary of technical/non-technical challenges encountered

- We began working on poster and powerpoint
- We are having to fix calcs to account for interior wall because it is load-bearing
- We are stuck on shear diaphragm load calcs and will need to ask mentors for help
- We had to fix our beam calcs and lateral loads design calcs, we met with aaron and spencer to get some help on Thursday
- We finished the beam and lateral design calcs

2) Team approaches & resolutions to overcome challenges

- We are mostly done with the CAD drawings – around 90%
- We are going to send aaron and spencer our cad drawings to redline and make suggestions
- We are going to meet with aaron and spencer or dr judd to get help on diaphragm shear
- We are going to begin detailing

3) Status of challenge resolutions & potential project impact

- We are on track with our project; we are currently working on the structural drawings and calcs
- Our main focus this week is to make big progress on detailing.
- We want to finish our poster and report

4) Project status & summary

- We have detailing (simple drawings explaining screws and connections) and a general notes page left to do on our cad drawings
- Working on poster and report
- We've completed our project update assignment

Please enter # of hours spent on project this last week for each team member in the order listed above

3/25/2024

Member #1: 4

Member #2: 7

Member #3: 4

Member #4:

Member #5: