

# 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: 2/22 – Engineering Building Dr. Judd’s office and EB room 409**

### 1) Summary of technical/non-technical challenges encountered

- We are waiting on architectural drawings from Scott
- we are not sure how to do lateral loads- question for Dr. Judd
- We are going to start working on lateral loads calcs- seismic and wind
- We are going to start on steel deck / concrete slab calcs
- We are going to start storm shelter

### 2) Team approaches & resolutions to overcome challenges

- We are mostly done with the CAD drawings – around 70%
- We need to work on the lateral loads, and calcs for storm shelter
- We met with Dr. Judd this week and got help with lateral design which is what we will start on next
- We met with aaron and spencer and they helped us with how to design the lid for the storm shelter

### 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
- We are hoping to get the architectural drawings soon, Bob will follow up with Scott on this
- We will work on the lateral loads and steel deck this coming week- make spreadsheets

### 4) Project status & summary

- Currently almost done with our CAD drawings- finished roof, floor and foundation
- Currently in the middle of our calcs- focusing on lateral loads
- We have made sheets that we will use to turn in calcs
- We want to finish calcs in next two weeks

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

2/22/2024

Member #1: 3

Member #2: 3

Member #3: 3

Member #4:

Member #5: