

## Meeting Minutes 2-5-2019

### Present

- Emily
- Jake
- Ray
- Dr. Rezaie
- Melissa

### Design:

Please See design documentation for more detailed information

Using the maximum sheer force on the beam as the worst case scenario, multiplied by the width between supports, we would need three (Note: Having Civil engineer check to confirm or improve these calculations)

### Suggestions:

- Use SAP for analysis rather than ANSYS
- Check guidelines for which screws to use and how to avoid splitting (start with 6-sided Hex screws)
- Try calculations for Stainless steel

### Blowers:

- Blowers can be picked up in Spokane-
  - \$834- 2.5 CFM
  - \$571- 2.2 CFM
  - \$455- .5 CFM

### Thermocouples-

Come in different Sizes, Current choice K-type thermocouple

Issue: How to connect to the computer

- DAQs are expensive
- Look to Sparkfun for thermocouples that work with Arduino
- Make sure we can send to the computer before buying

Notes: Can we have a multi-stage design Release?

Rezaie- No, we must have design 100% complete before making purchases

Note: We very much need to get on schedule!!

### ToDo:

Meet ray this weekend to see design space

Prepare for design review Next Week