

MTRL 467 MEETING MINUTES

Project Name:	Characterization of Heat Transfer for the Finger Water-Cooling Configuration
Group:	Daan Maijer and Jun Ou
Meeting Date and Time:	March 6 th 2020, 9:30am
Minutes Prepared By:	Rohan Parakh

Attendees:

Name	Present	Absent
Daan	x	
Jun	x	
Huayu	x	
Rohan	x	
Bhakthie		x
Leonardo	x	
Yaning	x	
Andrew	x	

Agenda:

- CAD setup review.
- Shopping list finalization.
- Machine shop timeline.

Minutes:

Action items are in **Bold**

- **Spec fittings and thermocouples.**
- **Order strip heaters.**
- **Heat transfer calculations: maximum temperature and time to get there.**
- **Develop CAD drawings with the terminals, finished corners, and thermocouple holes; to provide to the machine shop.**

Notes:

- Client wants:
 - Fully developed design (and calculations to verify the design).
 - Testing to show that crucial portions are working.
- Thermocouples (surface and water) will be provided by the project supervisors.
- Strip heaters need to be ordered today.
- Asking the machine shop to drill holes at an angle (45 degrees) would take longer to complete.

- Look into the possibility of using T-slots and a steel plate for the base, with the use of insulation in between too.
 - Perform heat transfer calculations to understand extent and speed.

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