

MEETING MINUTES

Topic: Further CAD/BOM

Thursday, April 12, 2018

9:35 am – 9:50 am

Minutes recorded by _Jacob Barker_

Attendees: __Jacob Barker, Samm Metcalfe, Ashley Shumaker (+Amy Swartz, David Willy)

Table 1. Record of meeting.

9:35 am to 9:40 am	CAD/Prototyping <ul style="list-style-type: none">• Use Delimiting in excel to separate coordinates• Prototyping<ul style="list-style-type: none">○ Robust CAD model○ Answer one question per person○ What does a current turbine stage look like? What does a compressor stage look like?	Room 120
9:40 am to end	BOM <ul style="list-style-type: none">• Heating options<ul style="list-style-type: none">○ Band/collar heater for plumbing, ~\$30○ PID heater controller used to control collar heaters○ Use Wheatstone Bridge to control current○ Look at how much energy can be captured per turbine stage (& pressure drop)○ Insulate outside of heating element, decrease thermal contact resistance (thermal paste)	Room 120

