**Updates (WED 4/19):**

Chris:

- Found some scrap acrylic for templates

-Going to PCC to do some PTFE laser cutting tomorrow 10am

-Drawings done

-Meeting with Kris (machine shop) to talk about design, machining parts here to try to cut costs, as well as Etesami with same concerns

Alex:

-Meeting up with Joe to do heat transfer stuff..

-Meeting with Kris (machine shop) to talk about design etc..

-Sent off designs, got quotes from a machine shop..cost ~$2600

-Spoke with Dr Lee about testing

-analysis should represent a theoretical model of what we are planning to test, as a comparison. Should design tests to address this

-what type of failure are we expecting, low strain rate? Tensile? Compression? Etc...sounds like we can do a compression test with Dr Lee if we get it arranged

-Talked to Kris (Machine Shop),180$ for a ring is a steal, will be hard to machine in house, so should outsource. Bring ledge of ring out a bit more, and make the lapping portion thicker. Will go out to machine shop in Hillsboro that we got quote from with these changes, and see if they are comfortable with these changes.

Russell:

-Starting Gasket/end cap analysis today, CAD lower priority, Alex/Joe taking over Ht xfer

Francesca:

-Some research (adhesive stuff ) that didn’t go anywhere

-Lot’s of Git conversions with Chris (Drive to Git)

-(What is the benefit of the shrink fit endcap design? We can shrink fit the cap/PTFE down to LN2 temps for shrink fitting, but what happens when we add LOX to the tank and it begins to contract? Does this break seal?)

Weldon:

-Taking FE exam today, collected eqns for End Cap Analysis

Neil:

-FEA Full Modeling started, Git issues generated

**FOR 493:**

-Design review summary assignment:

-need to have sponsor (Erin/Andrew) sign off on the accuracy of the report, so let’s try and get this done by Thurs. afternoon so they have plenty of time. Working document is in Drive folder things to turn in to Gerry.