

Team Meeting #20 Agenda, 2/16/21

- Split design team updates
 - Jett and Ryan
 - CAD model battery door
 - Trigger mechanism
 - Control surfaces
 - Maclean and Lucas
 - Shop work
 - Output shaft plans
- Engineering release review
 - Remember to watch 2x other presentations
 - Swenson email
 - Presentation details

Team Meeting #20 Minutes, 2/16/21

- Team Updates
 - Ryan and Jett
 - We need to figure out how to manufacture the shelf that will mount to the solenoids and motor, as it may be too thin to reinforce with the MarkForged
 - The trigger may be easier to hold in place with a hooked spring, rather than a compression one
 - The two halves of the motor will need to be mounted together. It may be useful to create standoffs with hex nuts internally on one side of the device, with screws that engage the other half by penetrating the frame
 - Lucas and Maclean
 - Everything was converted to the imperial system, and engineering drawings should be complete
 - They will pitch it to Bill sometime this week, but Dr. Perry helped finalize all of the drawings
 - Internal components will likely be aluminum, and failure points will be stainless steel
 - The team will ask Bill what materials might work well for gritting with the output shaft
- Engineering Release Review
 - We are off to a good start so far, Maclean will go in and complete the Manufacturing plan and DVP slides tonight in preparation for our meeting tomorrow at 5:30p
 - Lucas will go back and update the Bill of Materials and project schedule to focus on the team efforts this semester
 - Ryan will add the output shaft to our CAD model and insert images of the drawings so that we are able to properly show off our design
 - Jett will go through the finished presentation and edit it for conciseness, as well as insert logbook images where necessary
 - Maclean will bring Jett the prototype test bed for demonstration tomorrow at 11:30 in the senior design suite