

MEETING AGENDA

Topic: January Purchasing

Tuesday, January 29, 2018

Meeting called by: Team

Attendees: Michael Broyles, Ethan Smith, Brandon Beaudoin, Jonathan Hernandez, Nathan Zufelt

Please bring: Laptop, Notebook, Relevant research

Location: Engineering Room #323

Objective: Fill out all entities that need to be purchased to complete wing construction

Notes: Additional items will be added to this purchase order for miscellaneous items.

4:15	Begin meeting: Call meeting to action Scribe: Ethan	Engineering Room #323
4:30	Team members discuss their weekly task: Brandon – Finish wing mounting solutions Michael – Finish entering electronics and center of mass Nathan – 3 different ways to mount the tail to the tail boom Ethan – Setting up meeting with Flyers for design review and construction methods Jonathan – Continue panel mounting solutions	Engineering Room #323
Remaining minutes	Fill out weekly peer review Plan for next meeting New Action Items Brandon – Finish body shroud w. integrated battery tray Michael – Solidworks stuff still Nathan – Get all carbon and wood ordered. Ethan – Follow up with CHS laser cutting of airfoils Jonathan – Work with machine shop on wing mounting bracket	Engineering Room #323

Minutes 1-29-18

Need to be done:

Tolerance all holes for the correct fitments

All rib fitments = Sliding Fit

All fuselage fitments = Sliding Fit

Fuselage bolt fitments (motor) = Use solidworks hole wizard for

Tail mounting fitments = depending on securing method

If adhesive = Sliding Fit

If clamp = Loose Running Fit

Control surface movement = Loose Running Fit

Wing Mounting Arm = Free Running Fit

Send out all parts to be laser cut

Questions for the Flagstaff Flyers

- 1. Does the airplane look like it will fly?**
- 2. How does a hollow tail compare to solid balsa and does our hollow tail design look like it will hinge well?**
- 3. Will ultra cote need any more support than our design has allowed?**
- 4. Would moving the tail forward to help move up our center of mass decrease flight performance?**

Client meeting notes

Charge controller he asked about if its going to be used or not

Hows the current? Team says current should be max the batteries can handle and we have a low draw motor

Take off will be arm power and motor power

Make sure we have the power previous solar plane was heavy and under powerd we should not need angle iron on the plane.

Website check coming up ... ours looks good though

Presentations we just have midpoint and final

No big assignments for next week

1/31/2019

Flagstaff Flyers Meeting-6:30-9

The meeting went really well. The flyers displayed many of one of the members planes, one of which was a ten feet total wing span. Most of the talk was around our center of gravity and how we can move the CG towards the front. The flyers clarified where for this glider the CG would be best appropriate location. Long boom is needed and move the nose needs to extend to create room for battery/components to move to create the CG that is needed. The flyers stressed on how much they are willing to help and feel that we are in a good place with what we are doing with our design. They feel like they will be able to help out on the little kinks here and there but overall feel like the plane will fly. They are available to meet a lot more if needed, also they have lent us the flight simulator that will work with our transmitter to help and practice for when we are ready to fly later this semester. Another meeting will be scheduled with the group. Time TBD.