

# Sae Micro Aero Team Meeting 15

01-23-19

**Meeting time:** 11:30 AM

**Meeting Location:** Building 98C - Project Room

## Topics

### Additional Information

1. Jeremy
  - a. Need AMA Card
2. Safety Nut

### Changes needed to aircraft

1. Fuselage Changes
  - a. Make wider and taller:  $\sim\frac{1}{2}$ " -  $\frac{3}{4}$ " bigger
  - b. Maple slats for fuselage
2. Tail Changes
  - a. Tail shaft and vertical stabilizer: 1 piece
  - b. Shrink size of cross beam on horizontal stabilizer and vertical stabilizer
  - c. Use maple slats to make new horizontal stabilizer and vertical stabilizer
3. 3D Print
  - a. Wing connecting plate
  - b. Front motor plate
  - c. Redesign and 3D print battery tray
4. Figure Out
  - a. Aileron attachments:  $\frac{1}{8}$ " pivot rod
  - b. Rudder and elevator attachment
  - c. Landing gear attachment
  - d. Wing connecting
5. Hole Changes
  - a.  $\frac{3}{16}$ " with tolerance for laser
  - b.
6. Tail Beam
  - a. Notches for fuselage
  - b. Bracket holes
  - c. Taper back end
7. Wing
  - a. Add extra rib spacer at end
8. Misc
  - a. Design red arming plug on top of fuselage

- b. Get smaller ESC
- c. Smaller arming plug
- d. Remake drawings
- e. Need 3/16" and 1/8" dowels
- f. Monokote iron