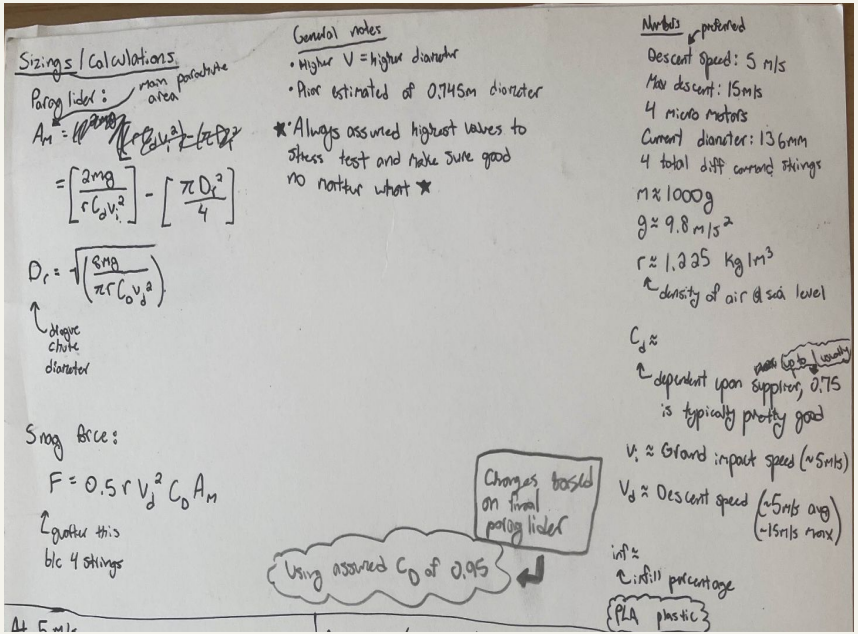
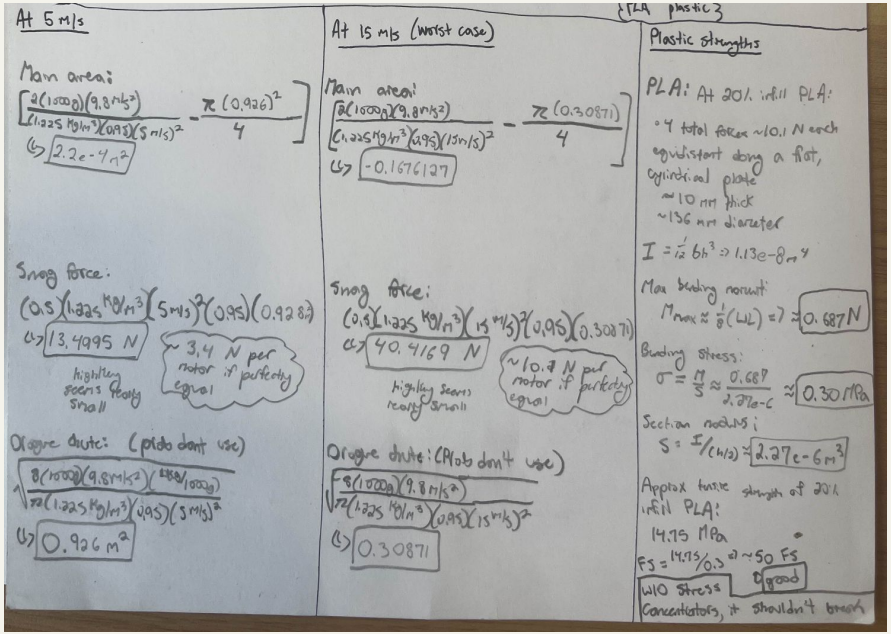

Paraglider
Steering Team

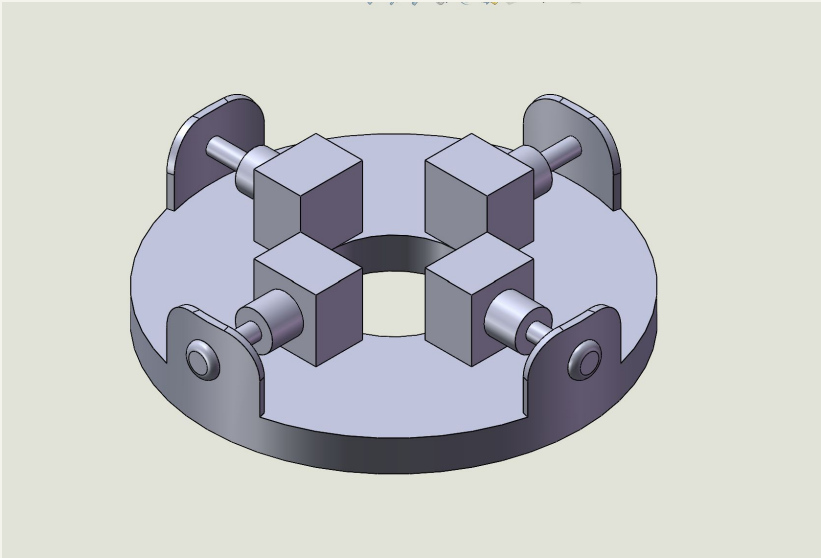
Preliminary Calcs





Initial Design

- 4 Horizontal Spools
- Powered by 4 DC Motors
- Base Attaches to Spool and Toleranced to Spin Freely



V1 fails due to lack of space on face to fit all components on top of the base.

Revision Ideas

- 1 DC Motor for Left and Right Spool (Using Gears)
  - Two control lines are wound in opposite directions around the motor’s pulley
  - Turning the motor unwinds one line and winds the other
- Vertical Motors
- Redesign Initial Design to Have Spools and Motors Folded Inside Payload and Released by Springs After Release From Container

String Tangling Prevention:

- Beads
- Tubing