

RV-12 Progress Assessment

Website Overview (Michelle)

Sections and Descriptions

- Home
 - Project overview
 - List of students who worked on the plane
 - Contact info and link to STEM website
- Weekly Progress
 - Summary of what was achieved during the week
 - Small “About Us” paragraph
- Project Photos
 - Photos from throughout the school year of both classes that have worked on the project
- Major Milestones
 - Lists major achievements made by a class and the date
 - Log of progress for the public (written in vernacular)
- Sponsors and Supporters
 - Form to become a sponsor
 - Sponsor/supporter logos
 - Special thanks to donors
 - Special thanks to mentors
 - Other programs similar to Project Pegasus
- News and Media Coverage
 - News headlines and links to the articles about Project Pegasus
- Questions and Business Inquiries
 - Forms for becoming a sponsor/supporter
 - Question form available to submit
 - Link to GoFundMe

Plane Section Breakdown (Kendal read plans, Michelle typed, Hunter checked the plane)

Section 6: Vertical Stabilizer - Completed

- Part A- steps 1-10 done
- Part B- steps 1-7 done
- Part C- steps 1-6 done
- Part D- steps 1-8 done
- Part E- steps 1-8 done
- Part F- steps 1-6 done ‘

Section 7: Rudder - Completed

- Part A- steps 1-10 done
- Part B- steps 1-4 done
- Part C- steps 1-3 done
- Part D- steps 1-4 done

Section 8: Anti- Servo Tab (AST) - Completed

- Part A- steps 1-5 done
- Part B- steps 1-7 done
- Part C- steps 1-2 done

Section 9: Stabilator - Completed

- Part A- steps 1-10 done
- Part B- steps 1-10 done
- Part C- steps 1- 8 done
- Part D- steps 1-5 done
- Part E- steps 1-5 done
- Part F- steps 1-5 done
- Part G- steps 1-6 done
- Part H- steps 1-9 done
- Part I- steps 1-8 done
 - *REVISION* done, paperwork completed

Section 10: Tailcone - Completed

- Part A- steps 1-10 done
- Part B- steps 1-7 done
- Part C- steps 1-14 done
- Part D- steps 1-2 done
- Part E- steps 1- 9 done
- Part F- steps 1-5 done

- Part G- steps 1-7 done
- Part H- steps 1-9 done
- Part I- steps 1-11 done

Section 11: Empennage Attachment

KIT ORDERED

Section 12: Empennage Fairings

NOTHING COMPLETED

Section 12a: Stabilator Tip Fairings

NOTHING COMPLETED

Section 13: Spar Assembly - Completed

- Part A- steps 1-5 done
- Part B- steps 1-5 done

Section 14: Rear Spar, Stub Spar, Hinge Brackets

- Part A- steps 1-10 done
- Part B- start at step 1 NOT DONE

Section 15: Wing Ribs

- Part A- steps 1-10 done
- Part B- NOT DONE
- Part C- NOT DONE
- Part D- NOT DONE
- Part E- NOT DONE
- Part F- NOT DONE

Section 16: Stall Warning

NOTHING COMPLETED

Section 17: Wing Skins

NOTHING COMPLETED

Section 18: Flaperon

- Part A- steps 1-3 done
- Part B- Part E- NOT DONE

No section 19 listed

Section 20: Center Section Bulkhead

- Part A- steps 1-4 done, not verified
- Part B- steps 1-5, 8 done, 6-7 no verification
- Part C- steps 1-2 done
- Part D- step 1 done (only step on page)

Section 21: Mid Fuse Ribs & Bottom Skins

- Part A- steps 1-14 done
- Part B- steps 1-11 done
- Part C- steps 1-9 done
- Part D- steps 1-13 done
- Part E- steps 1-8 done
- Part F- steps 1-9 done
- Part G- steps 1-5 done
- Part H- steps 1-5 done
- Part I- steps 1-20 done
- Part J- steps 1-5 done
- Part K- steps 1-3 done
- Part L- steps 1-8 done
- Part M- steps 1-7 done
- Part N- steps 1-9 done
- Part O- steps 1-7 done
- Part P- steps 1-6 done, steps 7-10 NOT DONE
- Part Q- steps 1-12 done
- Part R- steps 1-11 done
- Part S- step 1 done (only step on the page)

Section 22: FWD Lower Fuselage - Completed

- Part A- steps 1-14 done
- Part B- steps 1-12 done
- Part C- steps 1-3 done
- Part D- step 1 done (only step on page)

Section 23: Side Skins - Completed

- Part A- steps 1-7 done
- Part B- steps 1-4 done
- Part C- steps 1-8 done

- Part D- steps 1-2 done
- Part E- steps 1- 9 done
- Part F- steps 1-9 done
- Part G- steps 1-4 done

Section 24: Rollover Structure & F-1207 Bulkhead

- Part A- steps 1-12 done
- Part B- steps 1-6 done
- Part C- NOT DONE
- Part D- steps 1-6 done
- Part E- NOT DONE

Section 25: Tailcone Attachment

NOTHING COMPLETED

Section 25a: Plexiglas AFT Window

NOTHING COMPLETED

Section 26: Seat Backs

- All parts completed, needs to be verified

Section 27: Rudder Pedals & Brake System - Completed

- Part A- steps 1-6 done
- Part B- steps 1-9 done
- Part C- steps 1-6 done
- Part D- steps 1-5 done
- Part E- steps 1-2 done

Section 28: Fuel System - Completed

- Part A- steps 1-8 done
- Part B- steps 1-4 done
- Part C- steps 1-5 done
- Part D- steps 1-5 done
- Part E- steps 1-12 done

Section 29a: FWD Upper Fuselage

NOTHING COMPLETED

Skips to section 39

Section 39: Autopilot Servo Brackets - Completed

- Part A- steps 1-7 done
- Part B- step 1-2 done
- Part C- steps 1-4 done

OVERVIEW OF POTENTIAL PROGRESS (Casey)

Getting Started

- Introduction
- Design Philosophy
- Tools and Workspace
- Parts Index
- Construction Materials, Processes & Useful Information

Empennage/Tail Cone Kit

- Vertical Stabilizer (complete)
- Rudder (complete)
- Anti-Servo Tab (complete)
- Stabilator (complete)
- Tail Cone (f1279 L dented, f1279 R scuffed,(construction completed))
- EMP Attachment (incomplete)
- EMP Fairings (incomplete)

Wing Kit

- Spar Assembly (completed)
- Rear Spar, Stub Spar, Hinge Brackets
- Wing Ribs (one forward rib completed, another partially completed, all pieces are cut, back ribs are ready to be match drilled on step 5 [15-2], two ready for match drill of flaperon hinge step 7 [15-3].)
- Stall Warning (incomplete)
- Wing Skins (incomplete)
- Flaperon (incomplete)

Fuselage Kit

- Center Section
- Mid Fuse Ribs & Bottom Skins
- FWD Lower Fuselage
- Side Skins
- Rollover Structure & F-1207 Bulkhead
- Tail Cone attachment
- Seat Backs

- Rudder pedals & Brake System
- Fuel System
- FWD Upper Fuselage
- AutoPilot Servo Brackets

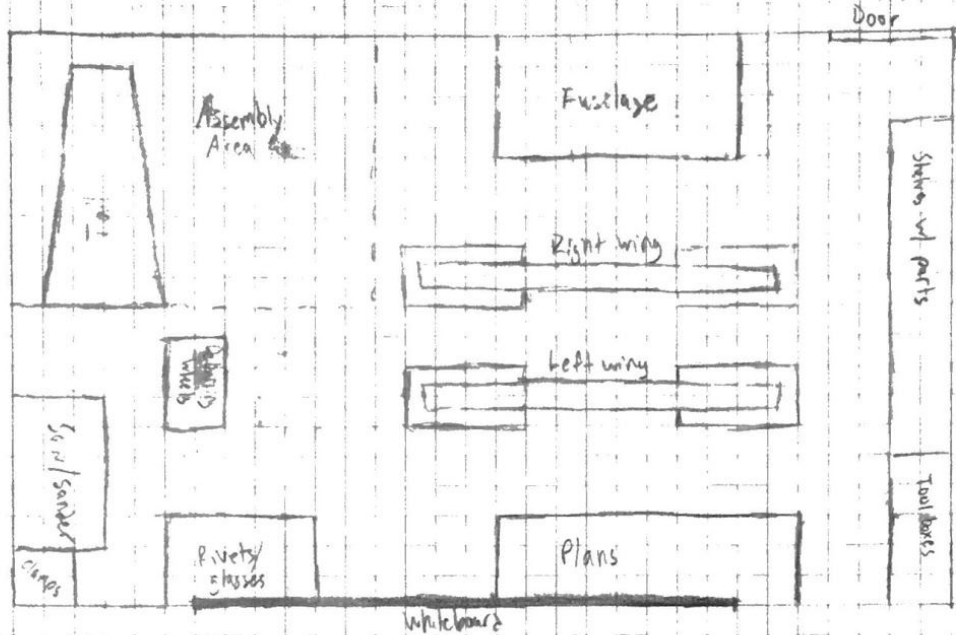
Optional Kit

- Lighting
- Angle of attack

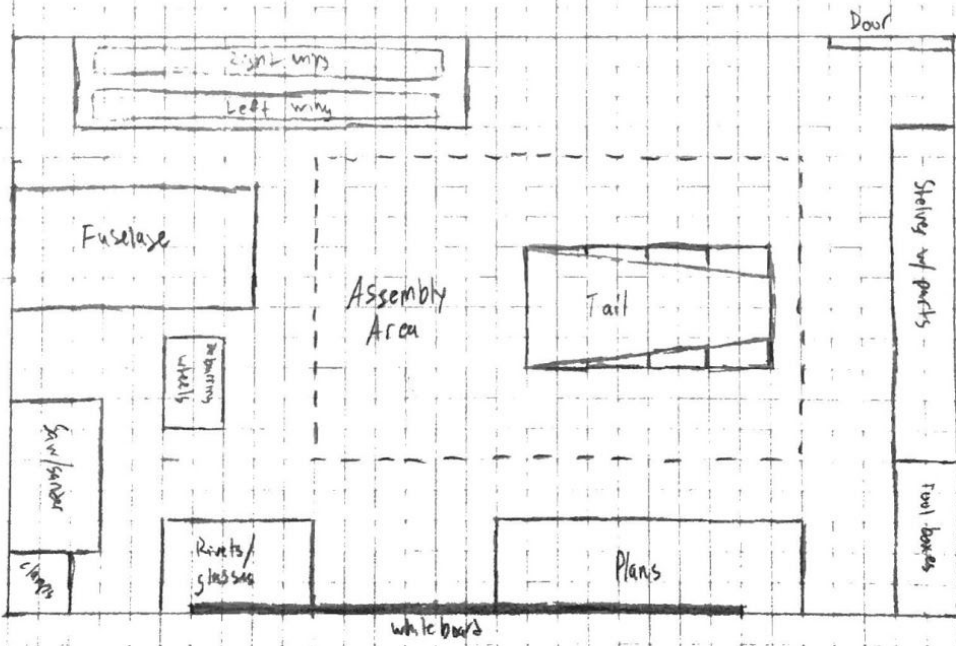
Work Space Layout (Nathan)

Potential Room Layouts

#1



#2



Vital Documents (Joey)

- [Construction Drawings](#)
- [16_17_RV-12 Completed Pictures](#)
- [Plane Website](#)
- [Photos of Progress as of 12/5/2018](#)

What has been completed according to the Documents (David and Casey)

2016/2017:

https://docs.google.com/document/d/1-BN3byLOMH2hwuizJy9ARKEEZuO3GHeq0Z2_IDIqsP0/edit

2017/2018:

<https://docs.google.com/document/d/1Gyp1lu6fQsoxw8zT6cMQMjYltUSq-pwhD4fpM9WEols/edit>