

FOAM, GLUE, TAPE AND A LITTLE IMAGINATION....



(RC Model Airplane Construction Plans)

rcFoamFighters FF-NovaJet

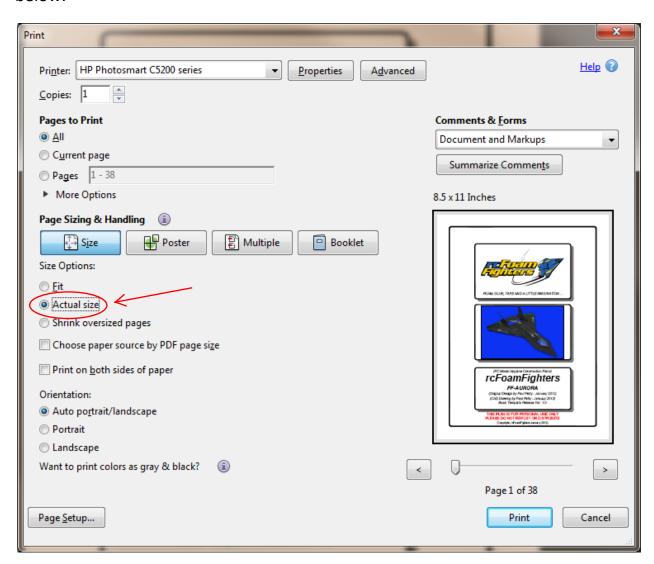
(Original Design by Paul Petty - Nov. 2008) (CAD Drawing by Paul Petty - Nov. 2011) Basic Template Release Ver. 1.0

FREE PLAN - NOT TO BE SOLD

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Very Important Printing Instructions!!!!

Make sure you print to "Actual Size" or your plan may come out the wrong scale. Do not use "Fit" or "Shrink oversized pages". Older Acrobat versions may also list "Fit to Printable Area" or similar as the default. Make sure you Select "Actual Size" or "Scaling to None" or similar setting to print your plans correctly. See example below.



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FF-SuperNova Basic Template

(Design by Paul Petty -Nov. 2008 - Rev 1.0) (CAD Drawing by Paul Petty - Nov. 2011)

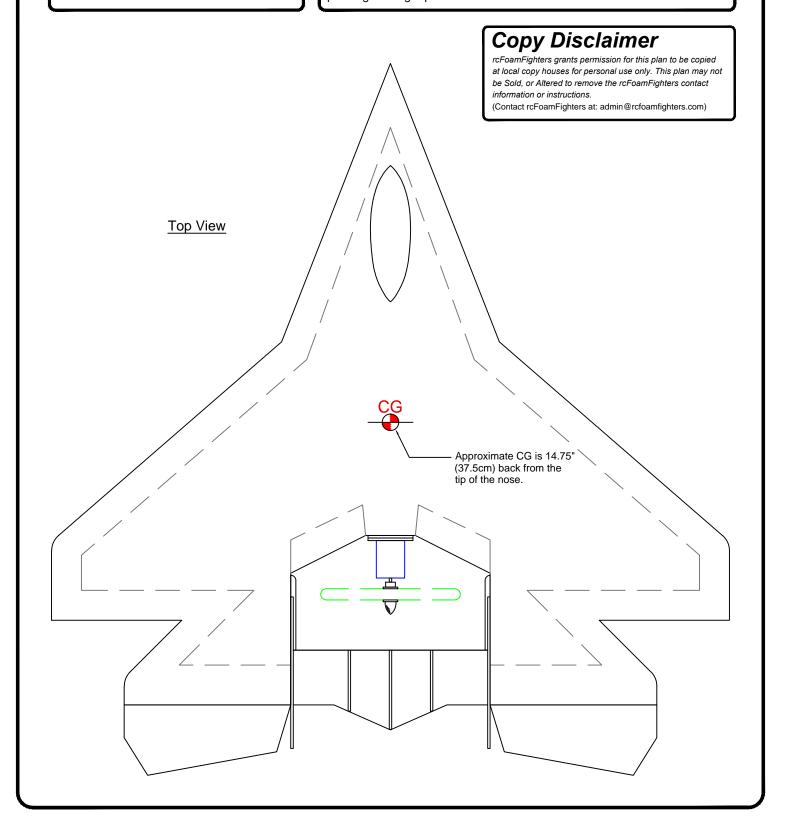
(Basic Template Release 1.0 - Copyright rcFoamFighters) (Contact rcFoamFighters at: admin@rcfoamfighters.com) (Please Visit Our Blog at: http://rcfoamfighters.com/blog/) (Copyright, rcFoamFighters Nov. 2011)

Basic Specs as built by rcFoamFighters:

Wingspan: 28 Inches (71.12cm)

Length: 29.4 Inches (74.68cm)
All Up Weight (AUW): 28.3oz. (880.23gms) Best Recorded Top Speed: 111mph (178.64kph)

Note, weight and top speed may vary depending on materials, motor, battery and electronics used. The weight given here is based on the model rcFoamFighters made using 1.9 EPP Foam covered in colored packing/sealing tape.



Recommend Parts:

BASIC SETUP (75+mph)

Motor: Suppo A2212/6 2200kV Brushless Motor

ESC: Suppo 30A Brushless ESC

Prop: APC 6x4

Battery: 2200mA (30C or better recommended)

Servos: 2 Each Micro Metal Gear

Tx & Rx: Any 4-ch With Delta mixing (2.4ghz preferred)

PERFORMANCE SETUP (100+mph)

Motor: Grayson Hobbies "Super Mega Jet" 2550kV Motor

ESC: 50A Brushless ESC

Prop: APC 6x5.5

Battery: 2200mA (40C or better recommended)

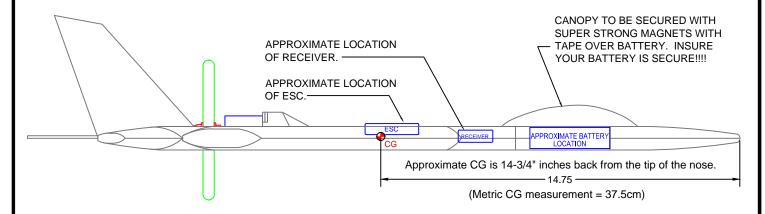
Servos: 2 Each Micro Metal Gear

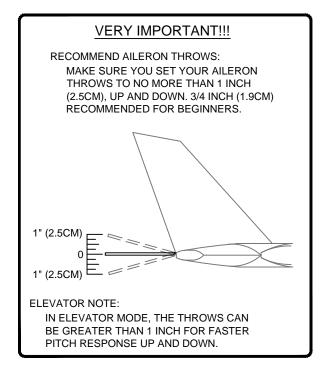
Tx & Rx: Any 4-ch With Delta mixing (2.4ghz preferred)

Plane was originally designed to be made from 1ea 24x36 Sheet of 30mm 1.9 EPP Foam. No spars were required. Other materials than EPP may be used, but carbon fiber or wood spars will be required.

Disclaimer (Please Read):

- This is a design template for a high performance, high speed RC aircraft. This plane should only be built and flown by experienced pilots with adequate skill to fly fast, maneuverable planes.
- DO NOT fly this plane where it can endanger people, livestock or property.
- ANY PERSONS DECIDING TO BUILD AND FLY THIS PLANE DOES SO AT HIS/HER OWN RISK AND LIABILITY. RCFOAMFIGHTERS ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF THIS PLANE.
- This plane should only be launched via the side launch method. Do not attempt to launch from the top or bottom of the fuselage. Doing so can cause EXTREME BODILY HARM if any hand or body part comes into contact with the fast spinning propeller.
- All minors should fly under the supervision of an adult or guardian.

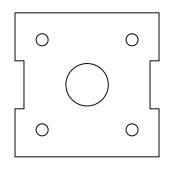




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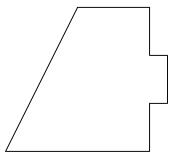
SCRATCH BUILT MOTOR MOUNT TEMPLATES (MADE FROM 3/32" BASSWOOD SHEETS)

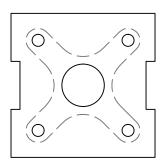
TEMPLATE

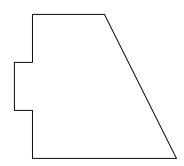


IMPORTANT NOTE:

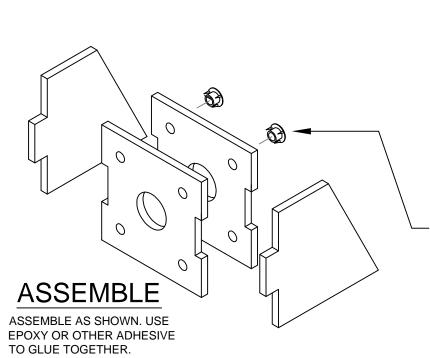
MAKE SURE YOU DOUBLE CHECK THE X-BRACE MOTOR MOUNT HOLE SPACING BEFORE DRILLING. WE HAVE NOTICED DIFFERENT HOLE SPACING BETWEEN A FEW OF THE MANUFACTURERS.







MOUNT



INSERT 4 EACH, 4-40 BLIND NUTS INTO BACK OF MOTOR MOUNT PLATE. INSURE HOLE PATTERN IS DRILLED TO MATCH MOTOR TO BE USED. (USE 4 EACH 4-40 HEX BOLTS TO SECURE MOTOR TO MOUNT.)

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TEMPLATE ASSEMBLY KEY PLAN

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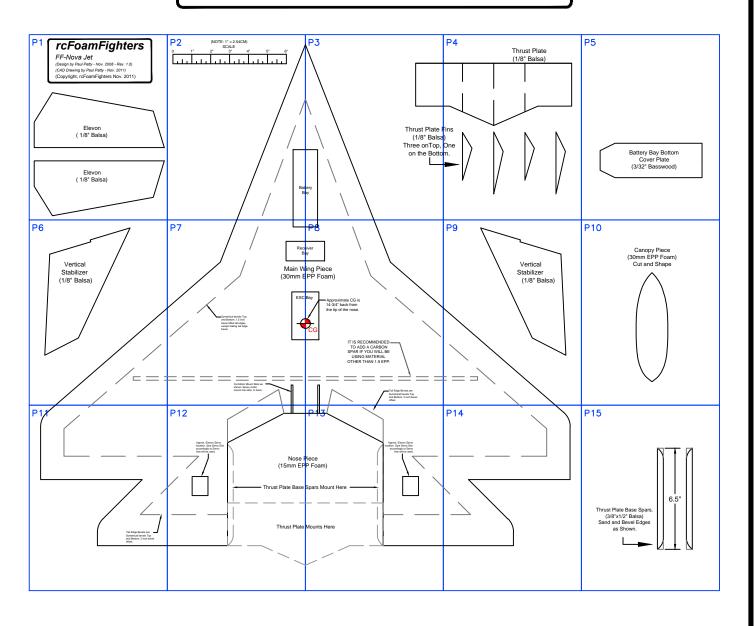
FF-Nova Jet

(Design by Paul Petty - Nov. 2008 - Rev. 1.0) (CAD Drawing by Paul Petty - Nov. 2011)

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INSTRUCTIONS:

PRINT ALL TEMPLATE SHEETS. CUT AND ASSEMBLE AS SHOWN BELOW. USE SCOTCH TAPE TO SECURE SHEETS TOGETHER.



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FF-Nova Jet

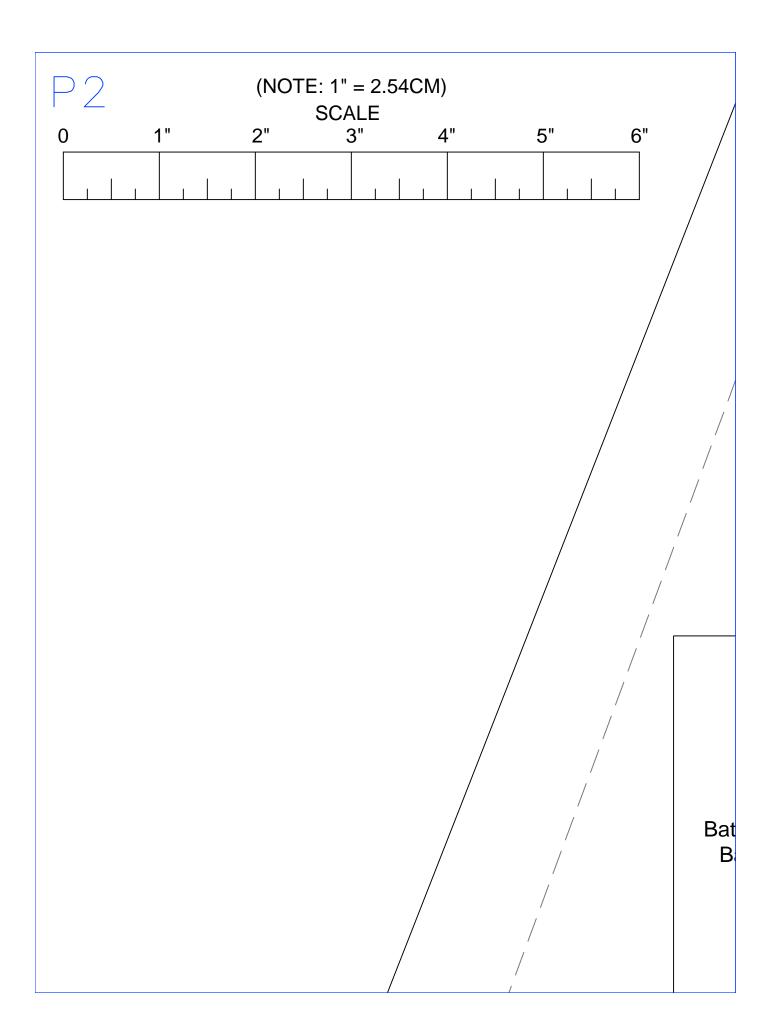
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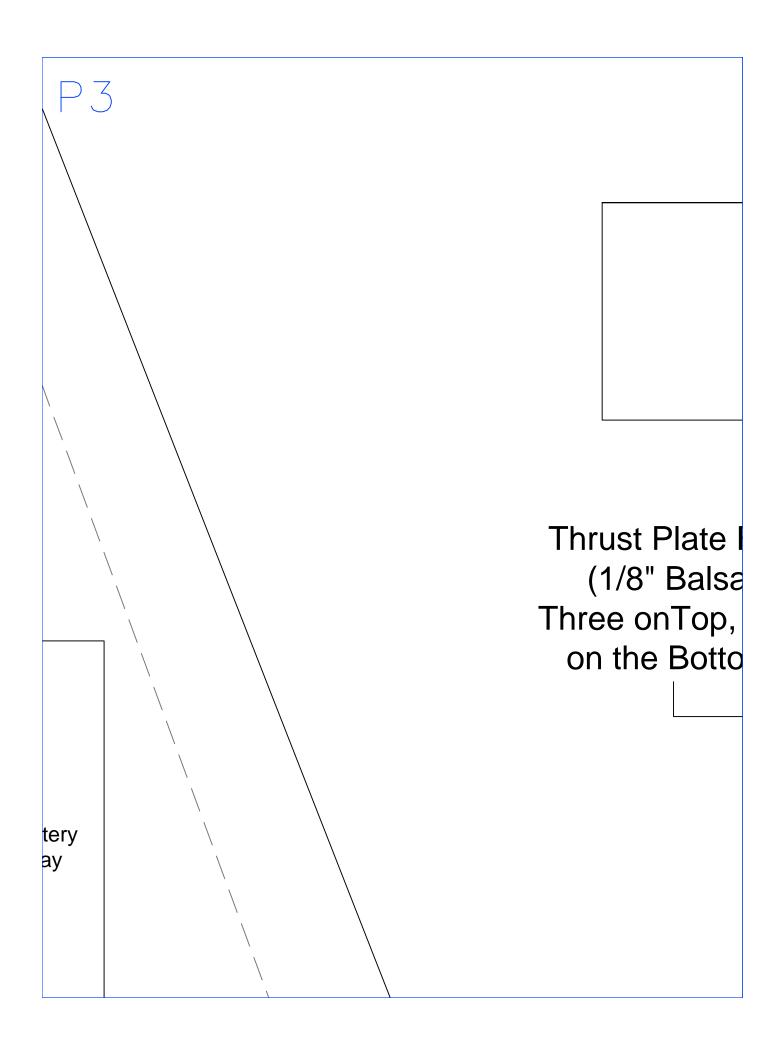
(CAD Drawing by Paul Petty - Nov. 2011)

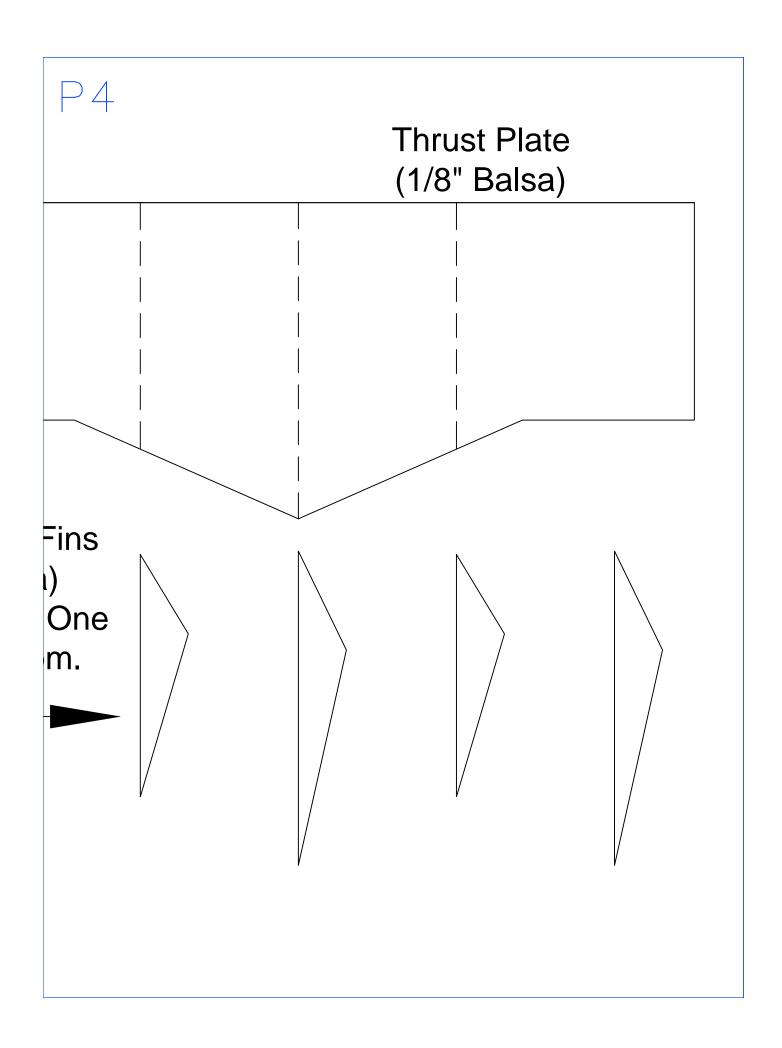
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Elevon (1/8" Balsa)

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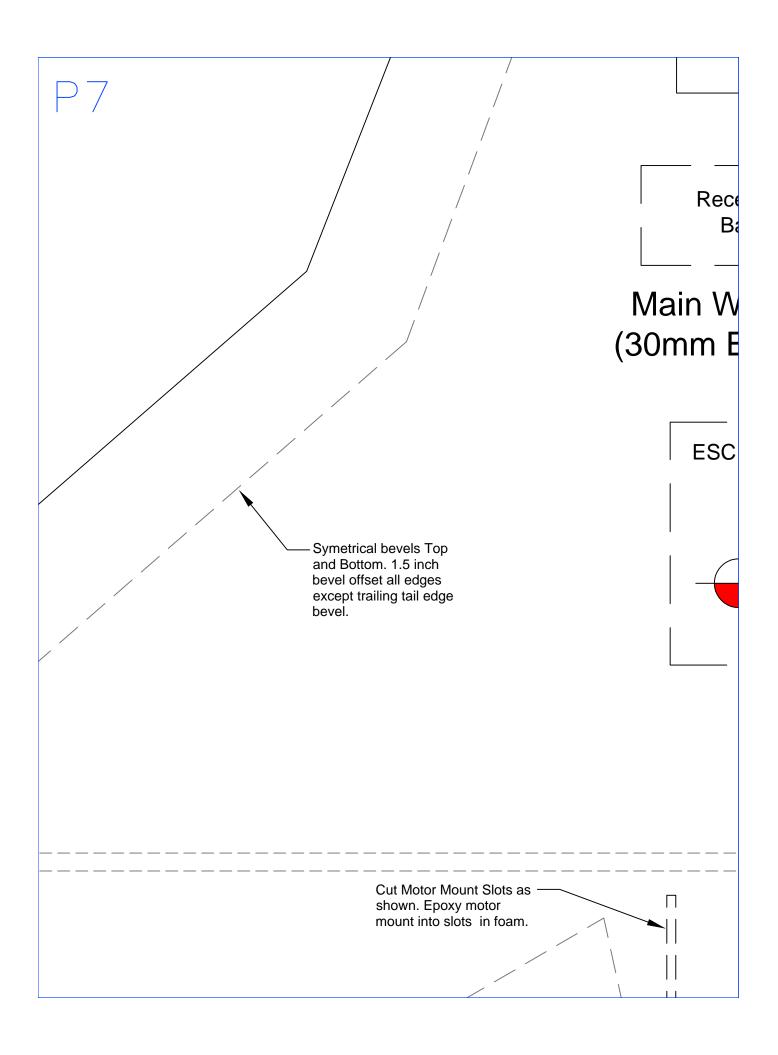


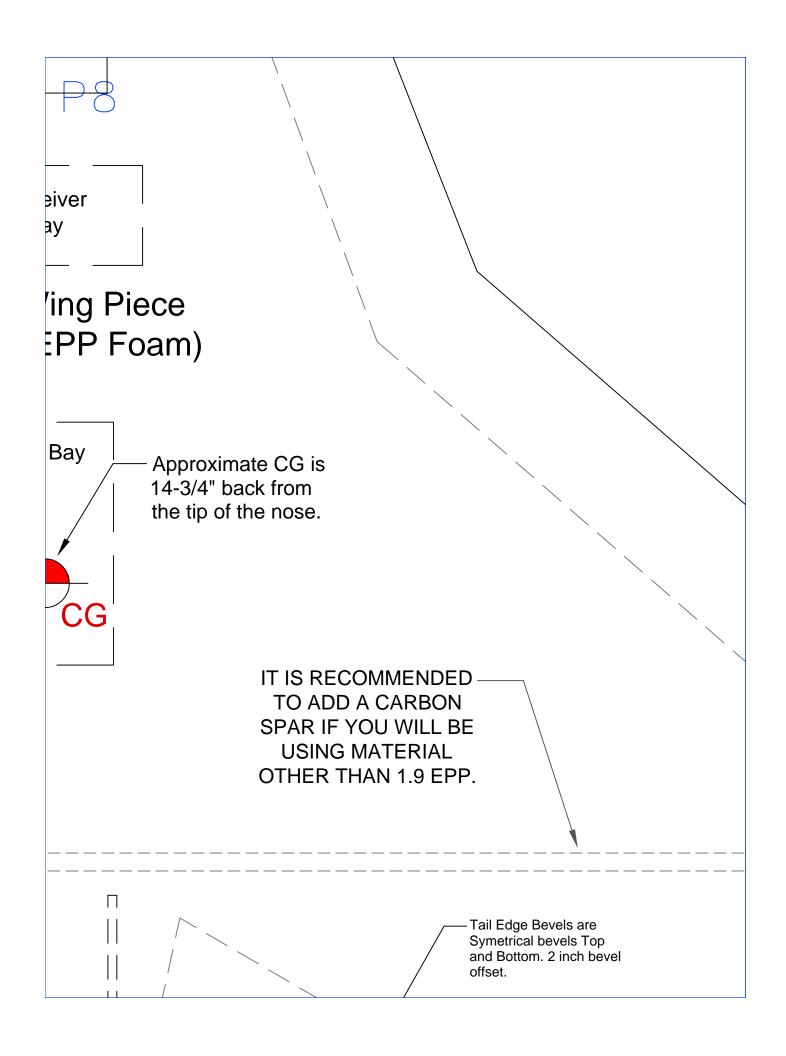


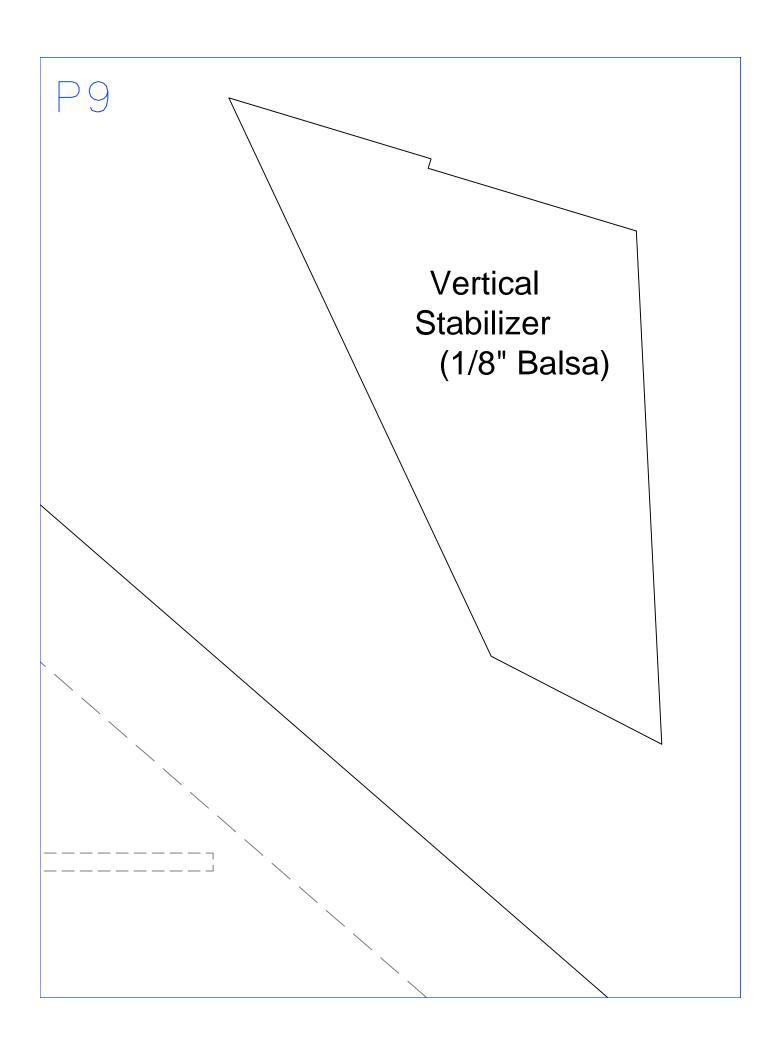


Battery Bay Bottom Cover Plate (3/32" Basswood)

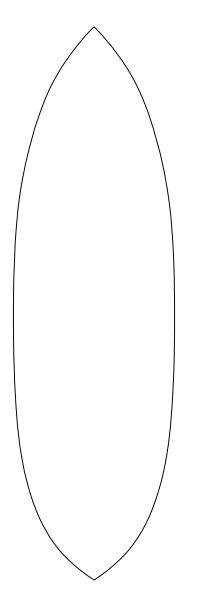
Vertical Stabilizer (1/8" Balsa)

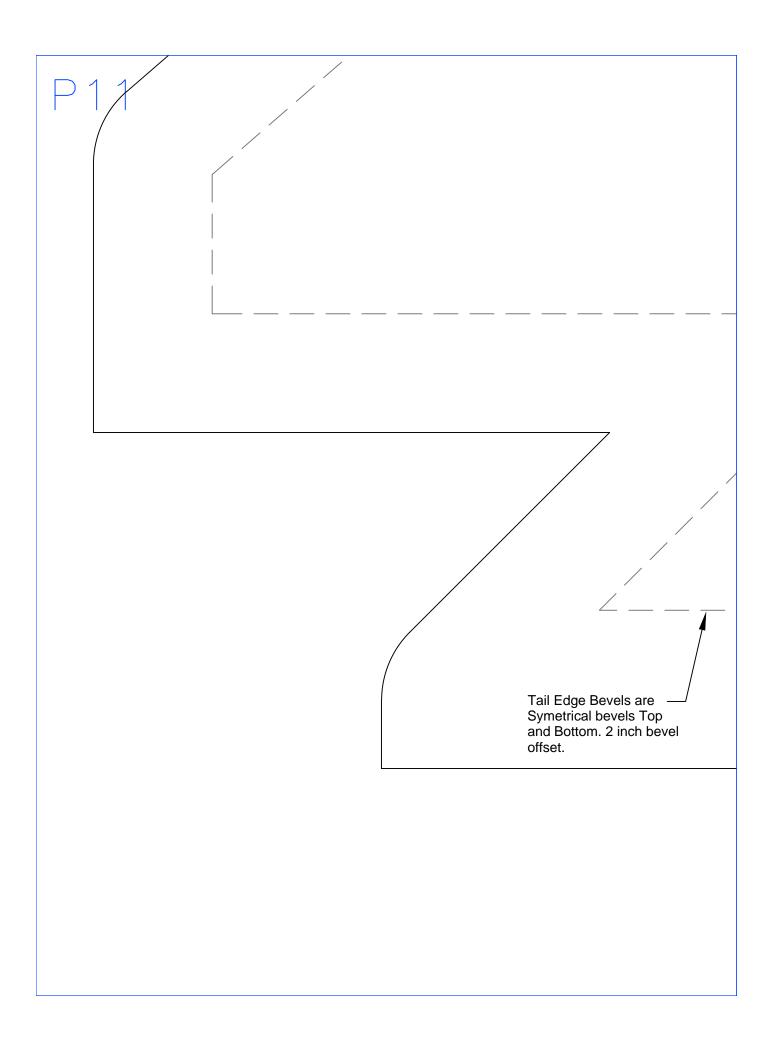


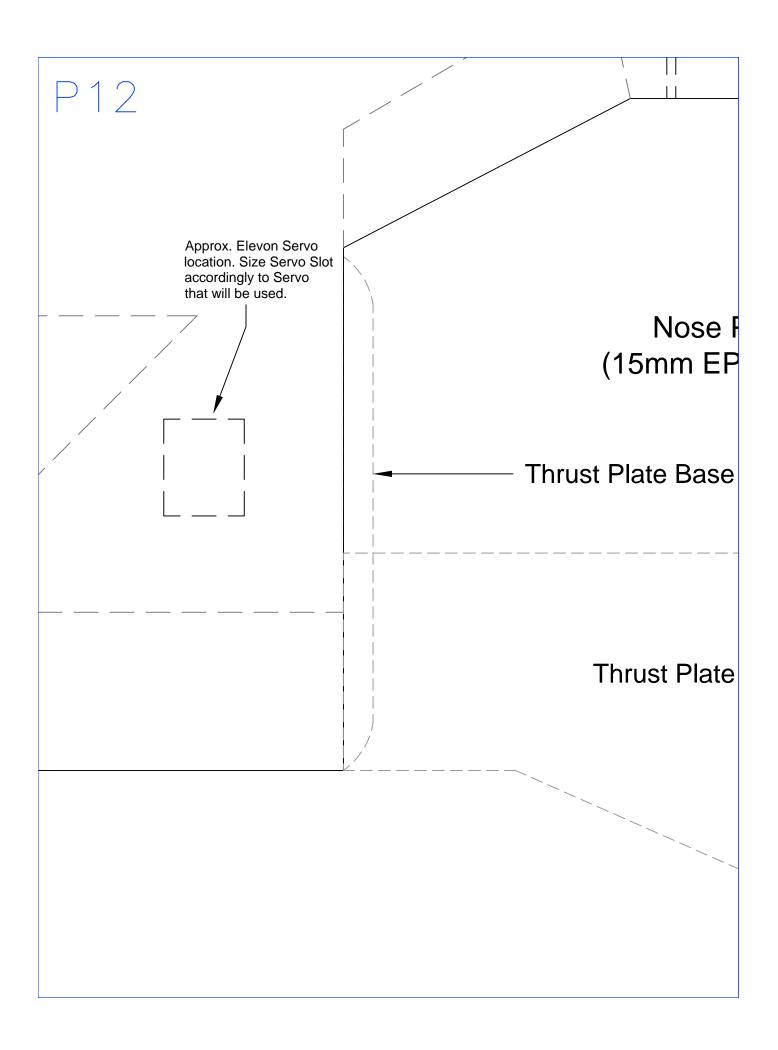


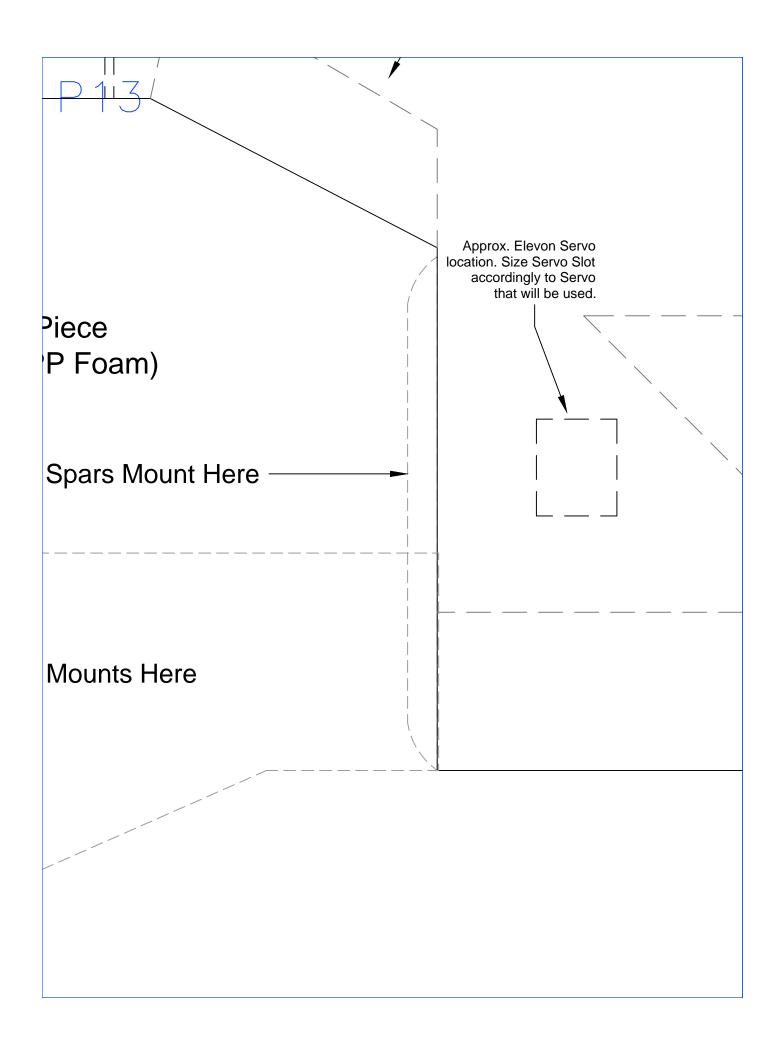


Canopy Piece (30mm EPP Foam) Cut and Shape









Thrust Plate Base Spars. (3/8"x1/2" Balsa) Sand and Bevel Edges as Shown.

