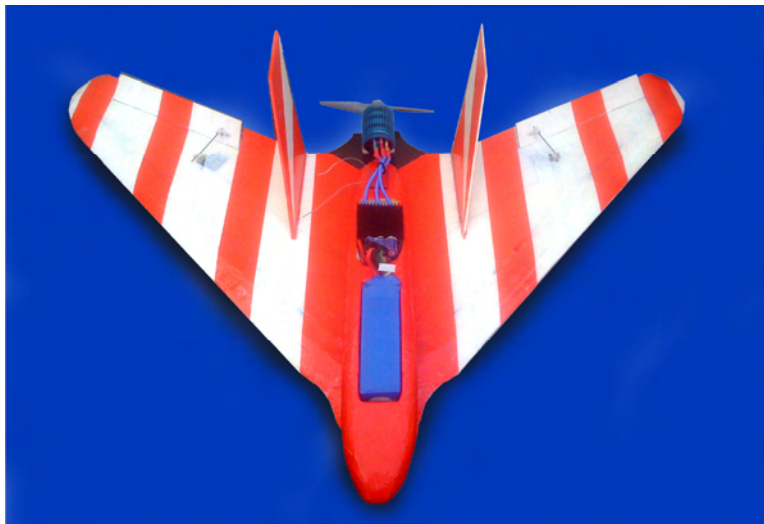




FOAM, GLUE, TAPE AND A LITTLE IMAGINATION....



(RC Model Airplane Construction Plans)

rcFoamFighters

FF-Peregrine (Basic Template)

(Plane Design by Henri-Jacques Sperwer - May 2010)

(CAD Drawing by Paul Petty - July 2010)

(Basic Template Release 1.0 - Copyright Henri-Jacques Sperwer)

(Contact rcFoamFighters at: admin@rcfoamfighters.com)

FREE PLAN - NOT TO BE SOLD

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FF-Peregrine

Basic Template

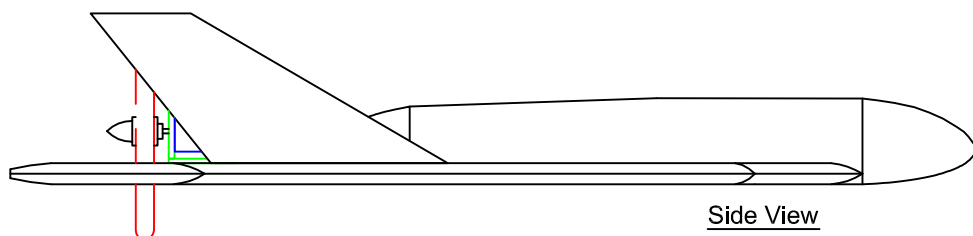
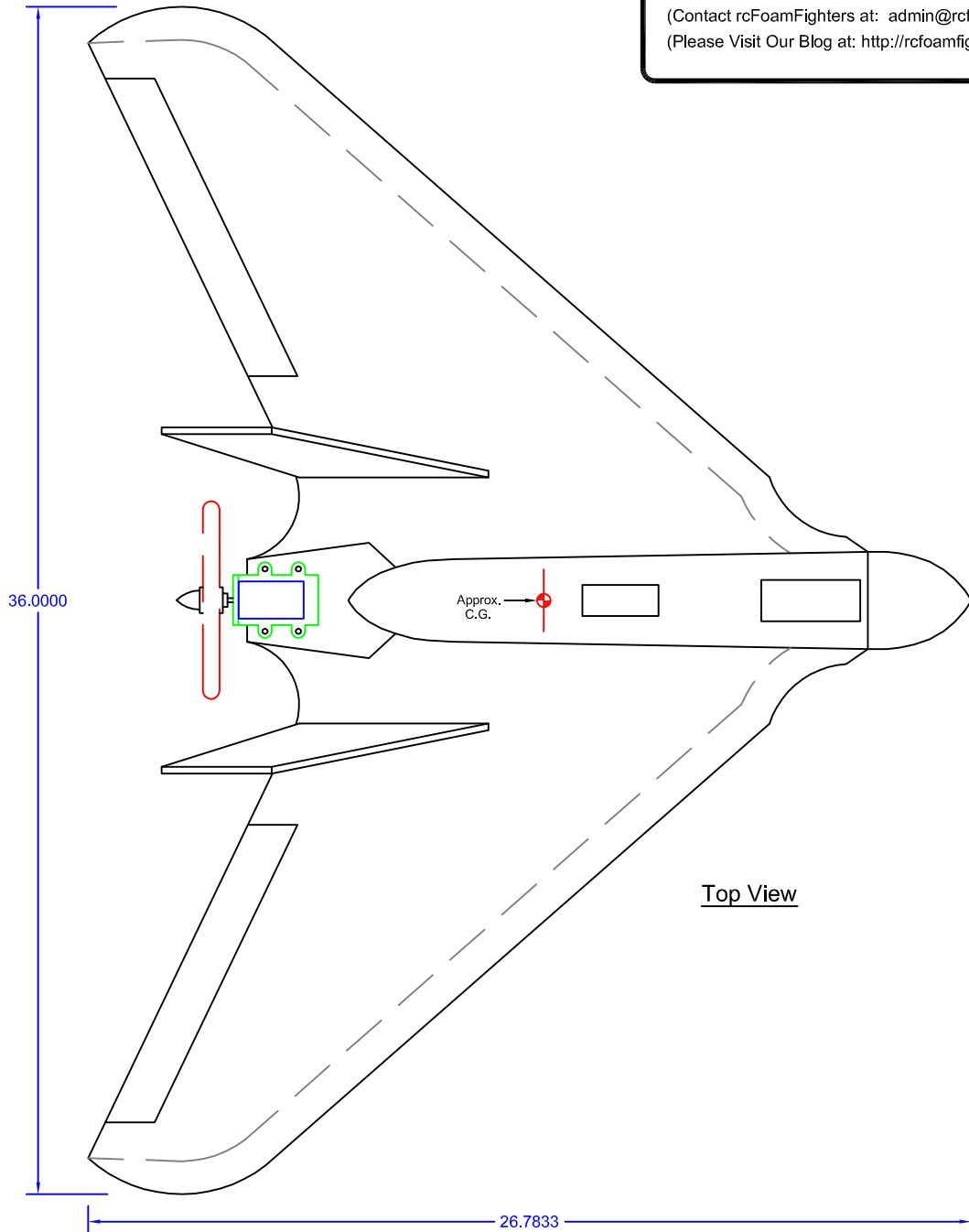
(Design by Jacques Sperwer - May, 2010)

(CAD Drawing by Paul Petty - July 2010)

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Recommend Parts:

BASIC SETUP (90+mph)

Motor: Grayson Hobbies "Super Mega Jet" 2550kV
ESC: 40A Brushless ESC
Prop: APC 6x5.5
Battery: 2200mA (30C recommended)
Servos: 2 Each Metal Gear
Radio & Receiver: Any 2-channel or better (2.4ghz preferred)

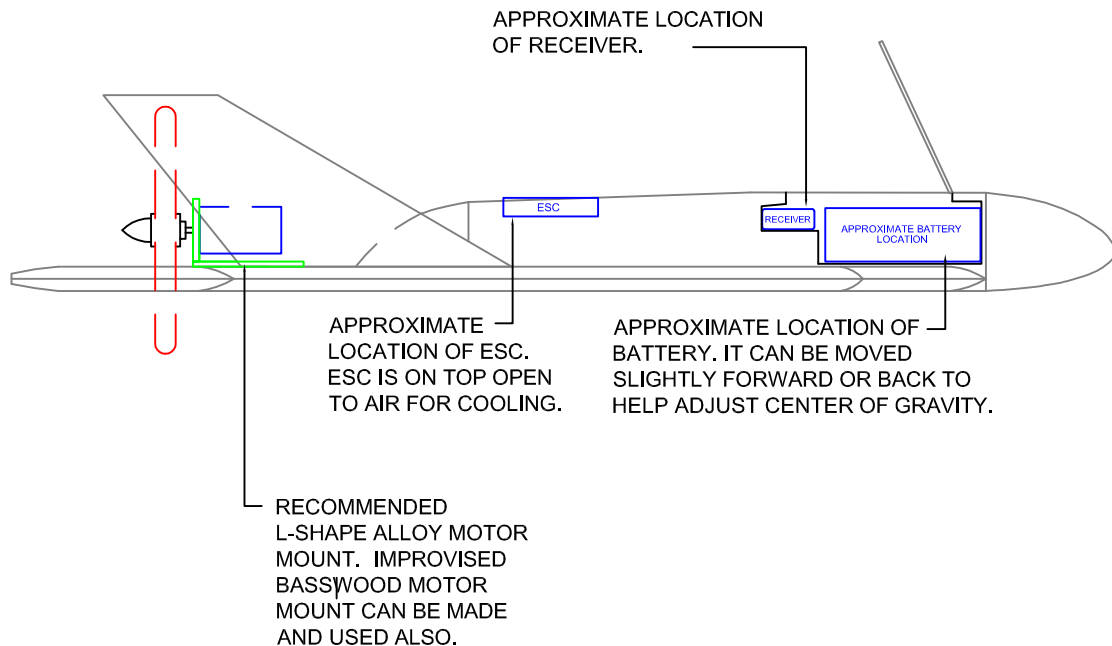
PERFORMANCE SETUP (150+mph)

Motor: Turnigy 3648-1450 (1600watt)
ESC: Turnigy K-Force 100A Brushless ESC
Prop: APC 7x5 Sport Prop
Battery: 3000mah 6S 40C
Servos: 2 Each Metal Gear
Radio & Receiver: Any 4-channel or better (2.4ghz preferred)

Plane was originally designed to be made from 1ea. 24x36 inch 15mm 1.9# EPP Foam Sheet
1/2 inch Blue core foam may be used, but will be much less durable .

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.
- 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 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.
- **Any persons deciding to build and fly this plane does so at his/her own risk. rcFoamFighters assumes no responsibility for the performance of this plane.**



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FF-Peregrine

Basic Template

(Design by Jacques Sperwer - May. 2010)

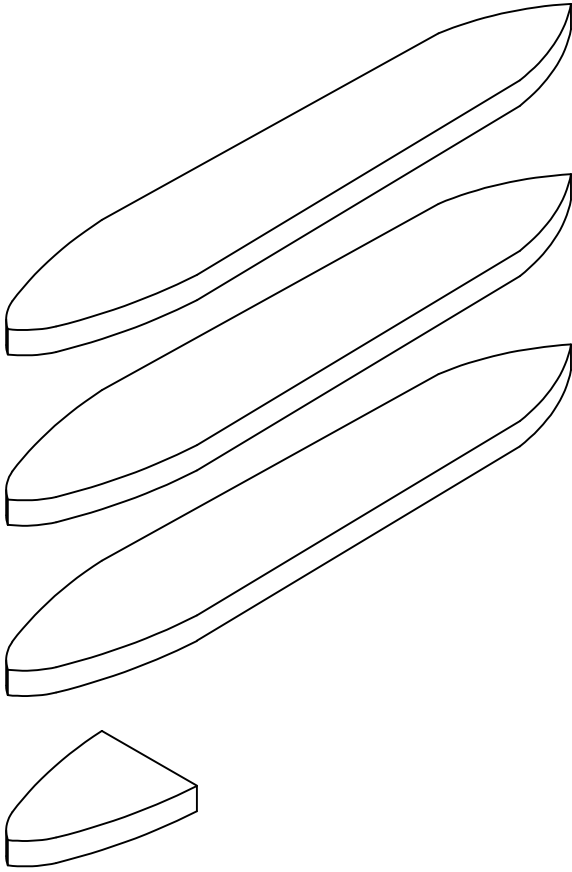
(CAD Drawing by Paul Petty - July 2010)

(Basic Template Rev 1.0 - Copyright Henri-Jacques Sperwer)

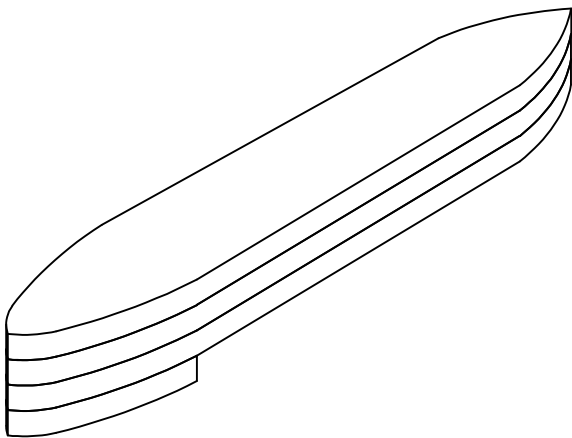
(Contact rcFoamFighters at: admin@rcfoamfighters.com)

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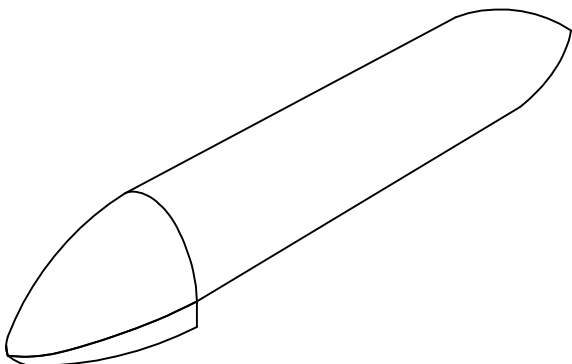
Fuselage Assembly:



Cut out all Fuselage Pieces from 15mm EPP Foam Sheet



Glue pieces together as shown.



To Shape Fuselage, first do a rough cut with a handheld hot-wire cutter, or other type of cutting blade. Next use a sanding block to sand and shape till desired look is achieved.

TEMPLATE ASSEMBLY KEY PLAN

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FF-Peregrine

Basic Template

(Design by Jacques Sperwer - May, 2010)

(CAD Drawing by Paul Petty - July 2010)

(Basic Template Rev 1.0 - Copyright Henri-Jacques Sperwer)

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INSTRUCTIONS:

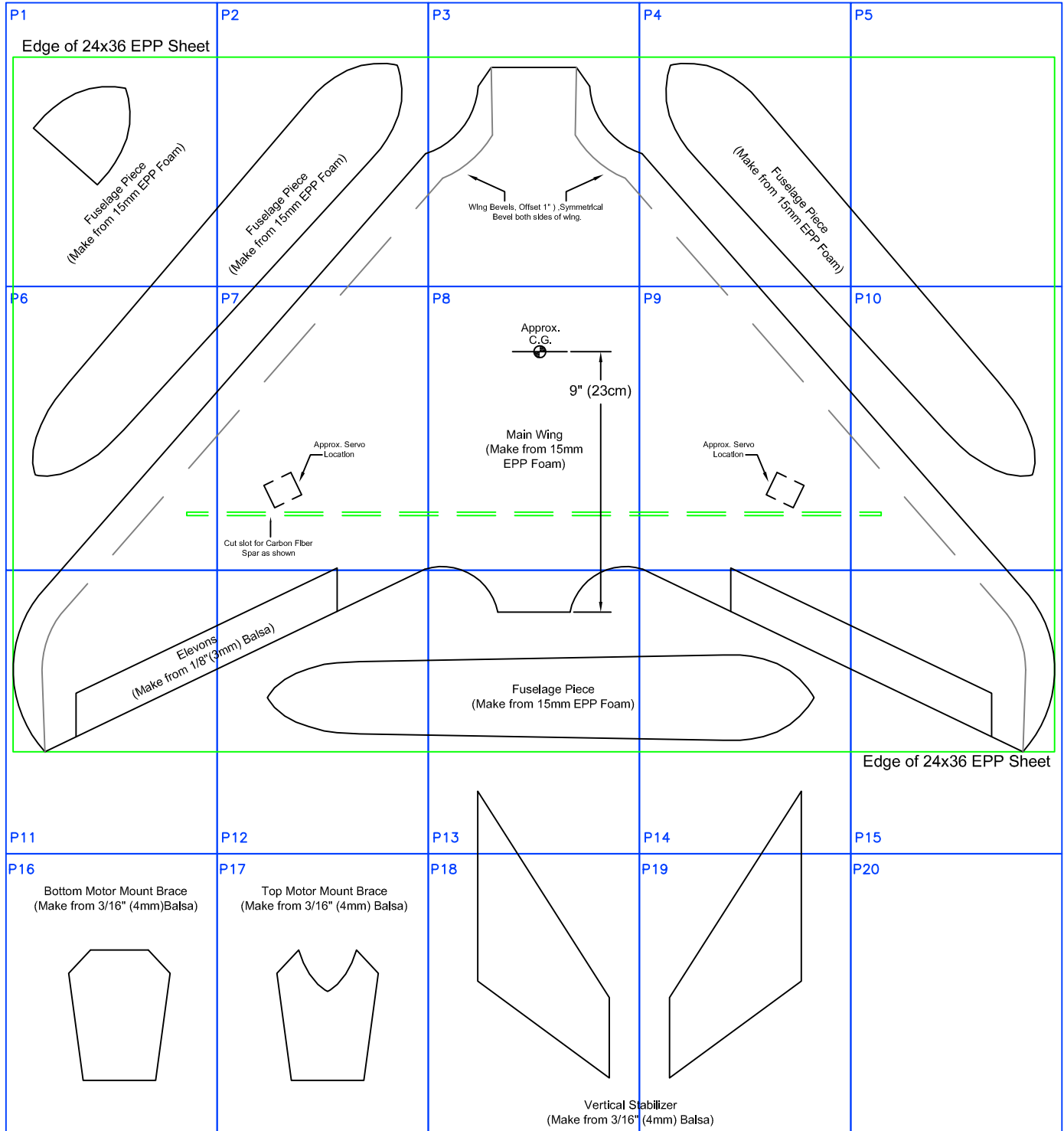
PRINT ALL TEMPLATE SHEETS.

CUT AND ASSEMBLE AS

SHOWN BELOW. USE SCOTCH

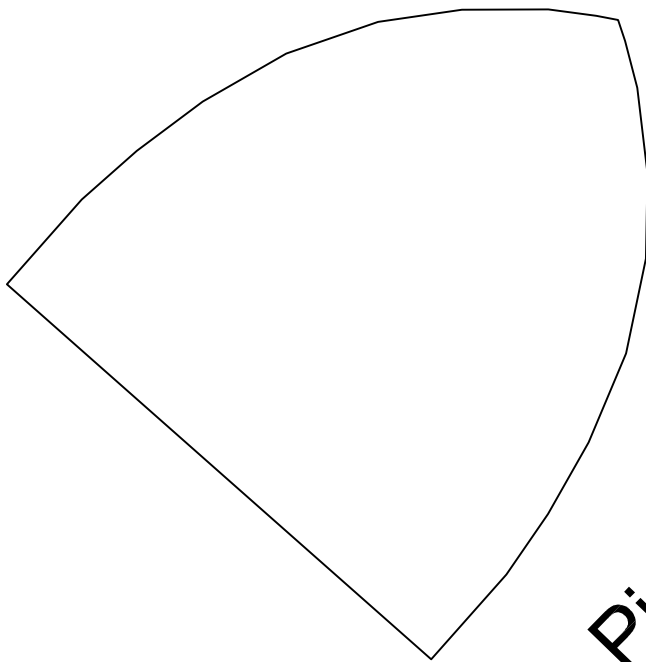
TAPE TO SECURE SHEETS

TOGETHER.



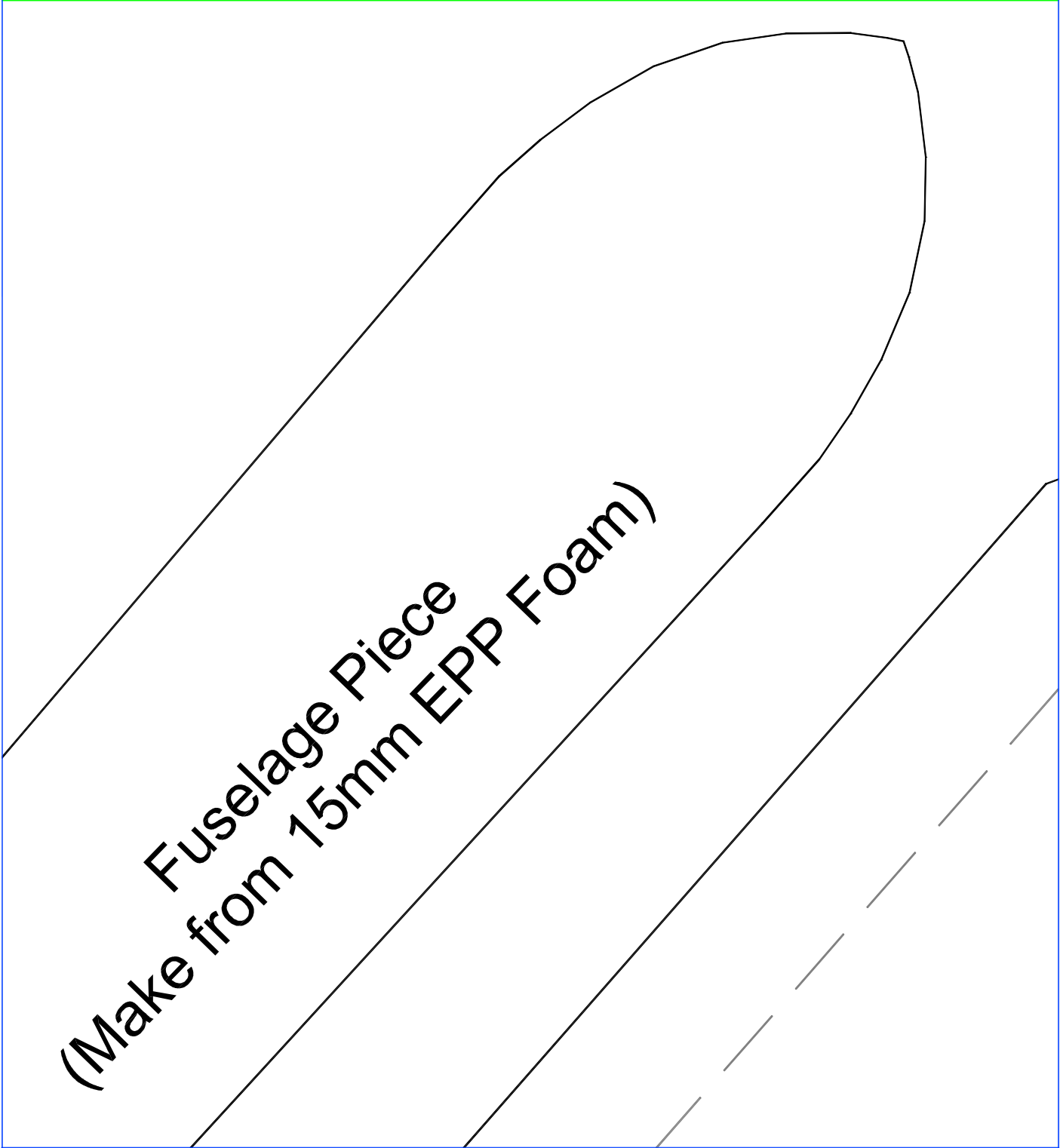
P1

Edge of 24x36 EPP Sheet



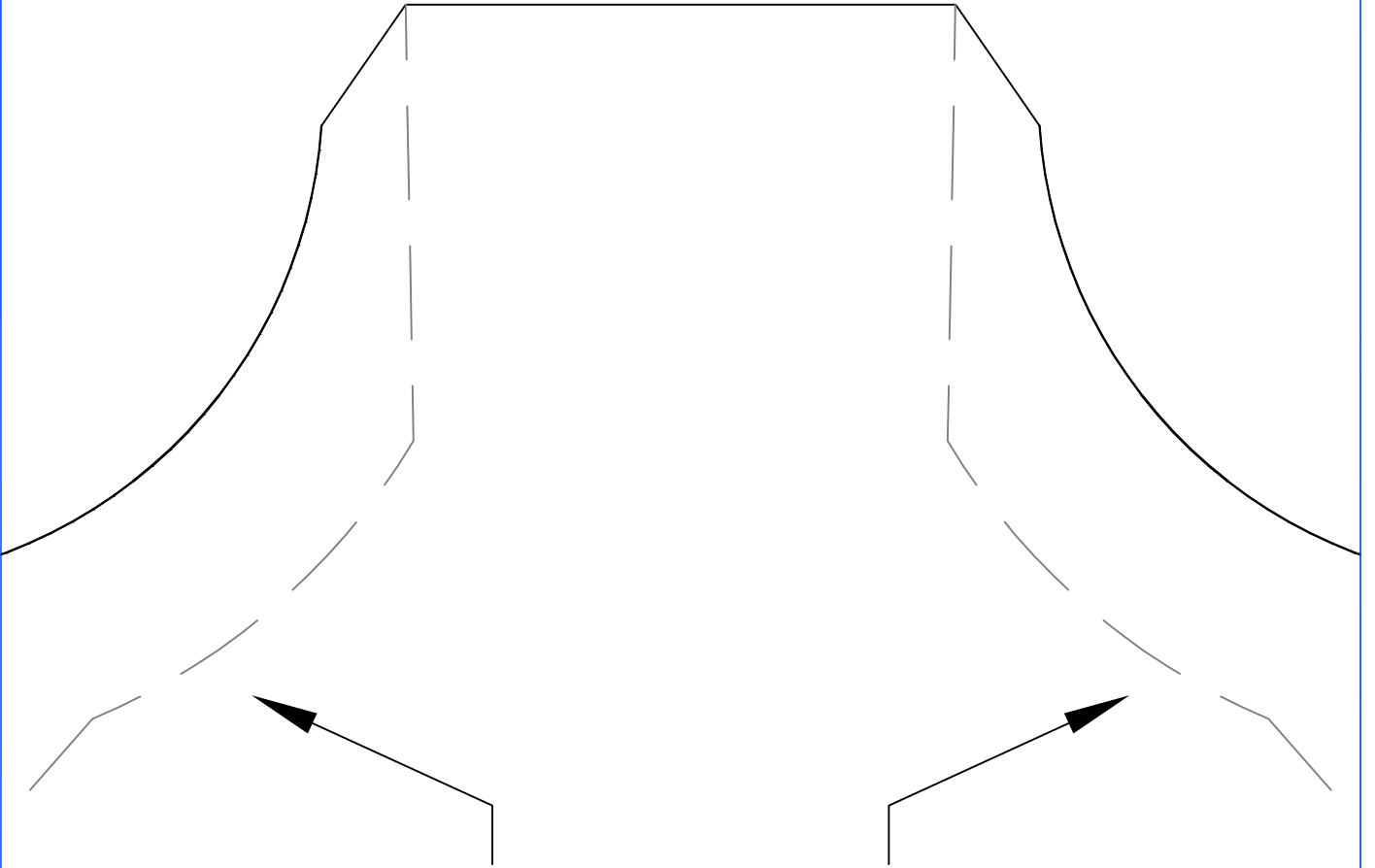
Fuselage Piece
(Make from 15mm EPP Foam)

P2



Fuselage Piece
(Make from 15mm EPP Foam)

P3



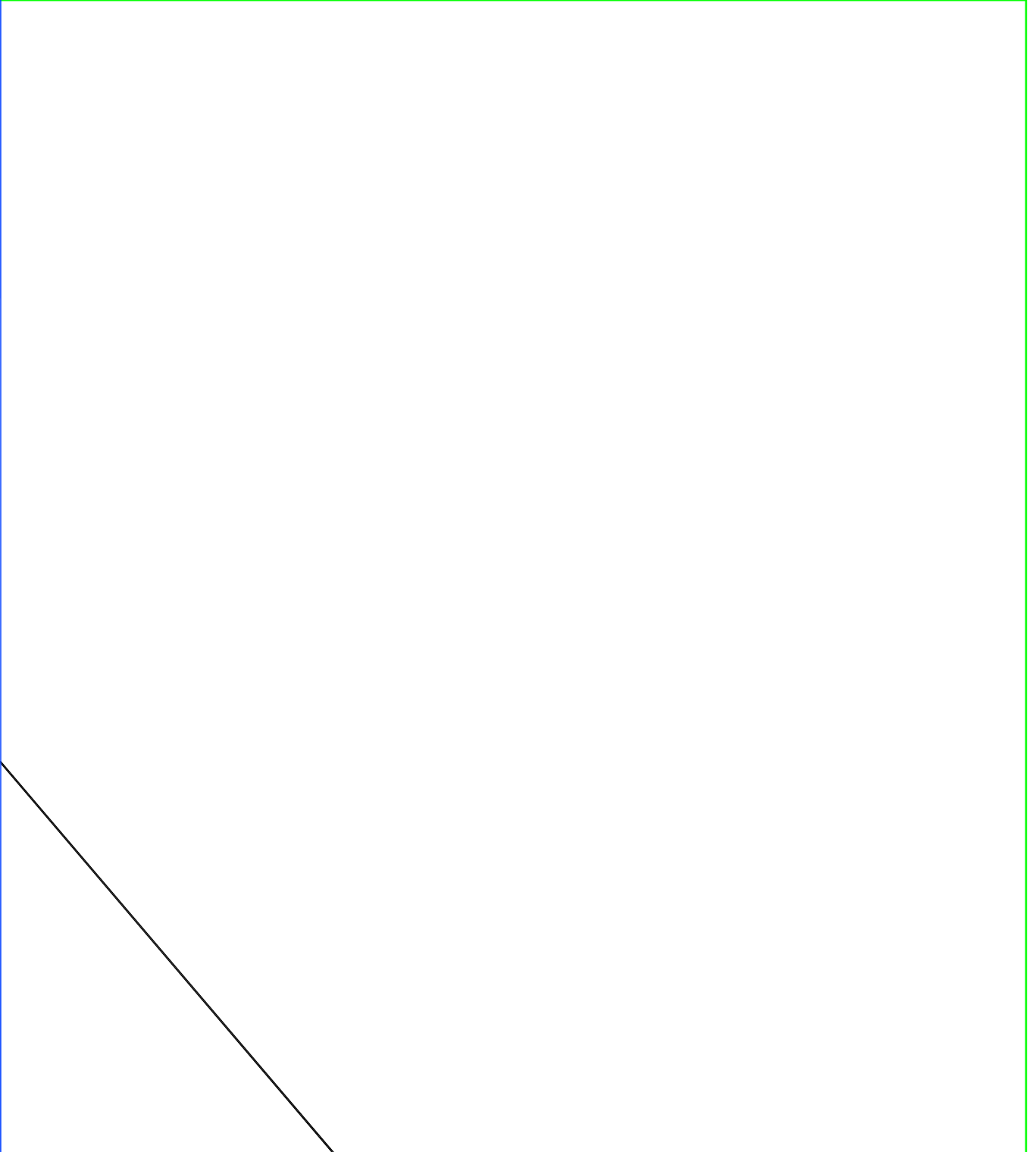
Wing Bevels, Offset 1") ,Symmetrical
Bevel both sides of wing.

P4

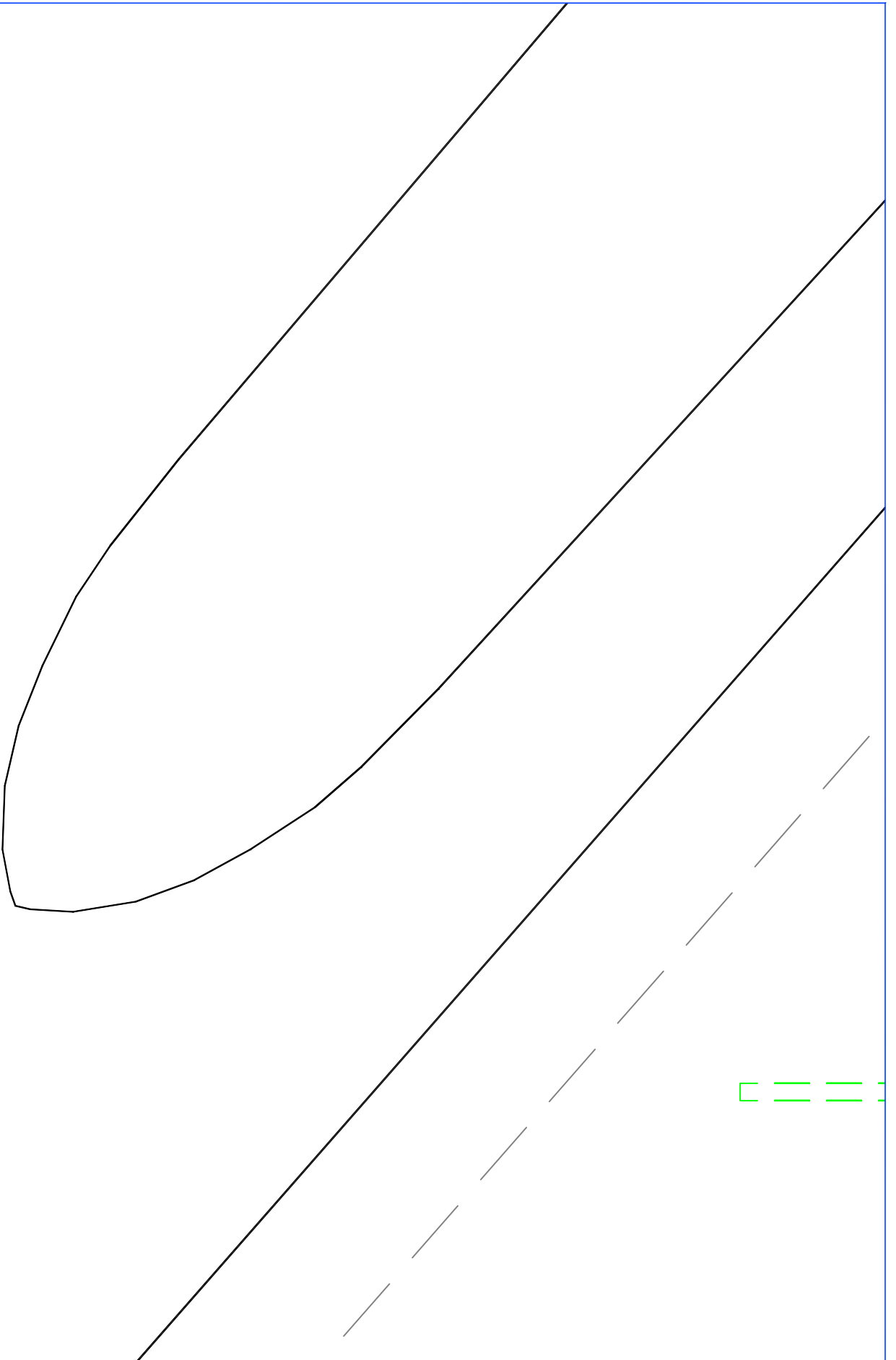


Fuselage Piece
(Make from 15mm EPP Foam)

P5

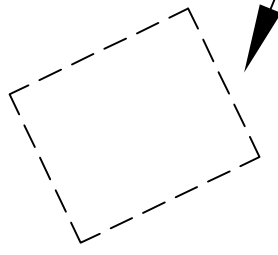


P6



P7

Approx. Servo
Location



Cut slot for Carbon Fiber
Spar as shown



P8

Approx.
C.G.



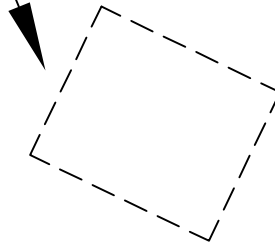
9" (23cm)

Main Wing
(Make from 15mm
EPP Foam)

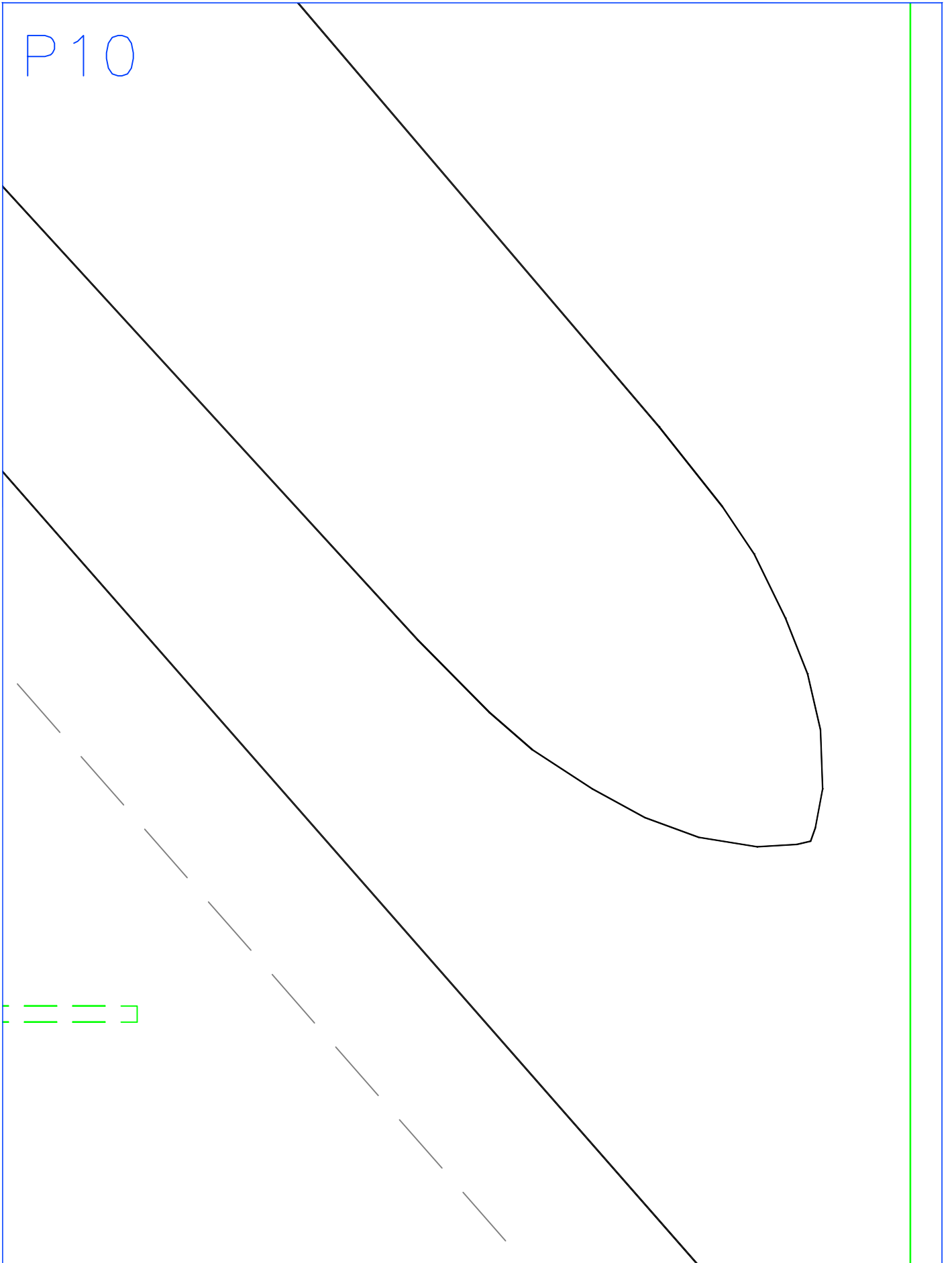


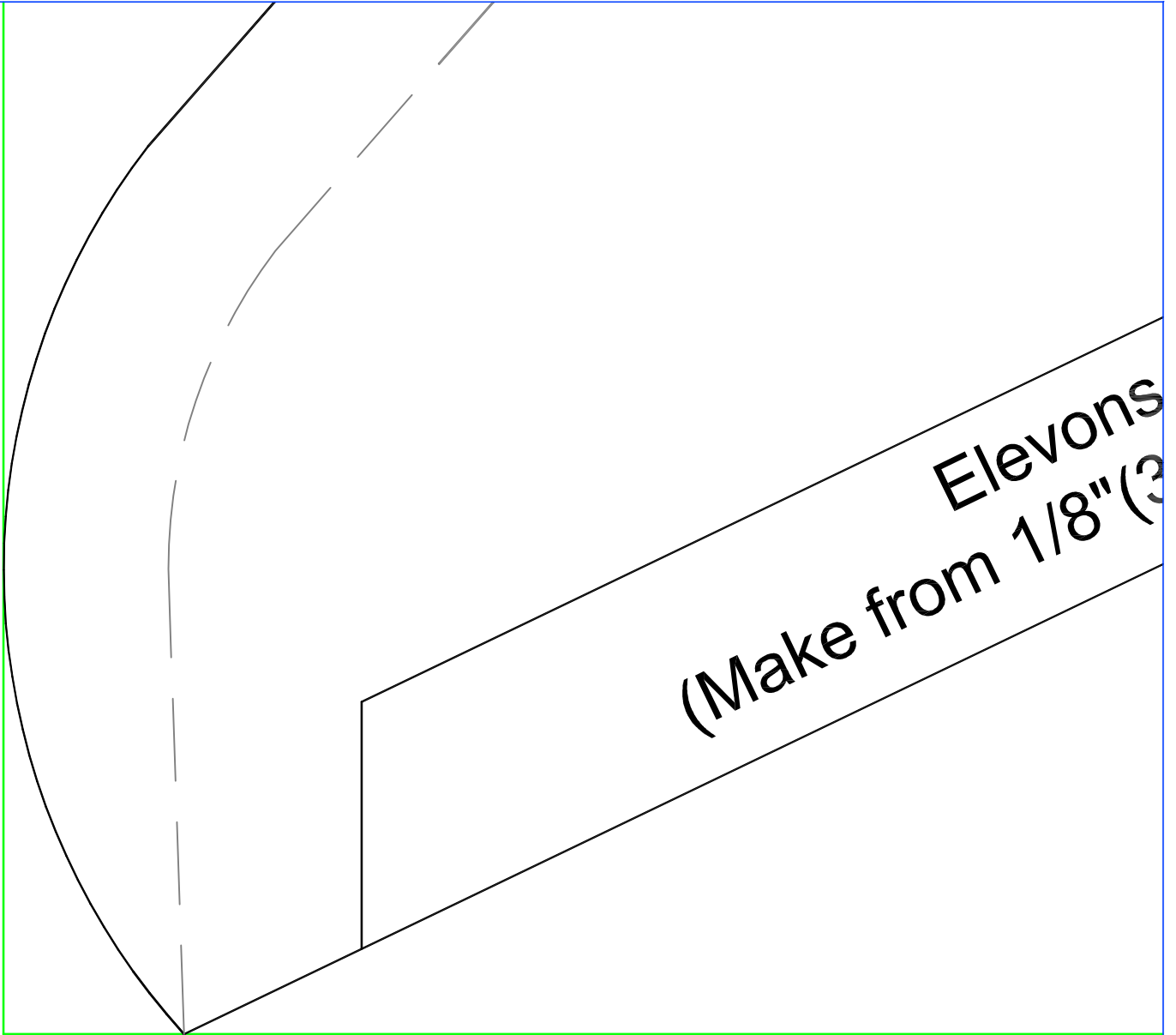
P9

Approx. Servo
Location

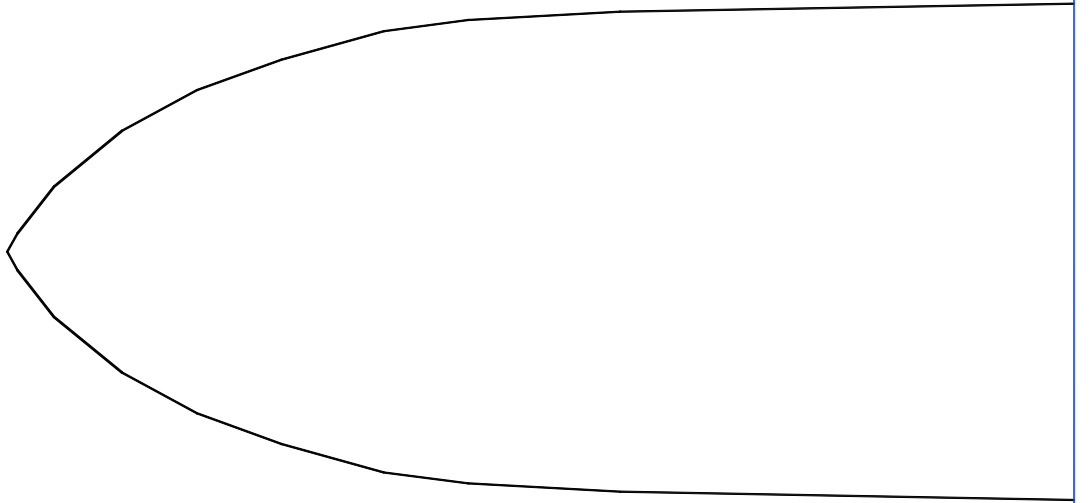


P10





omm) Balsa)

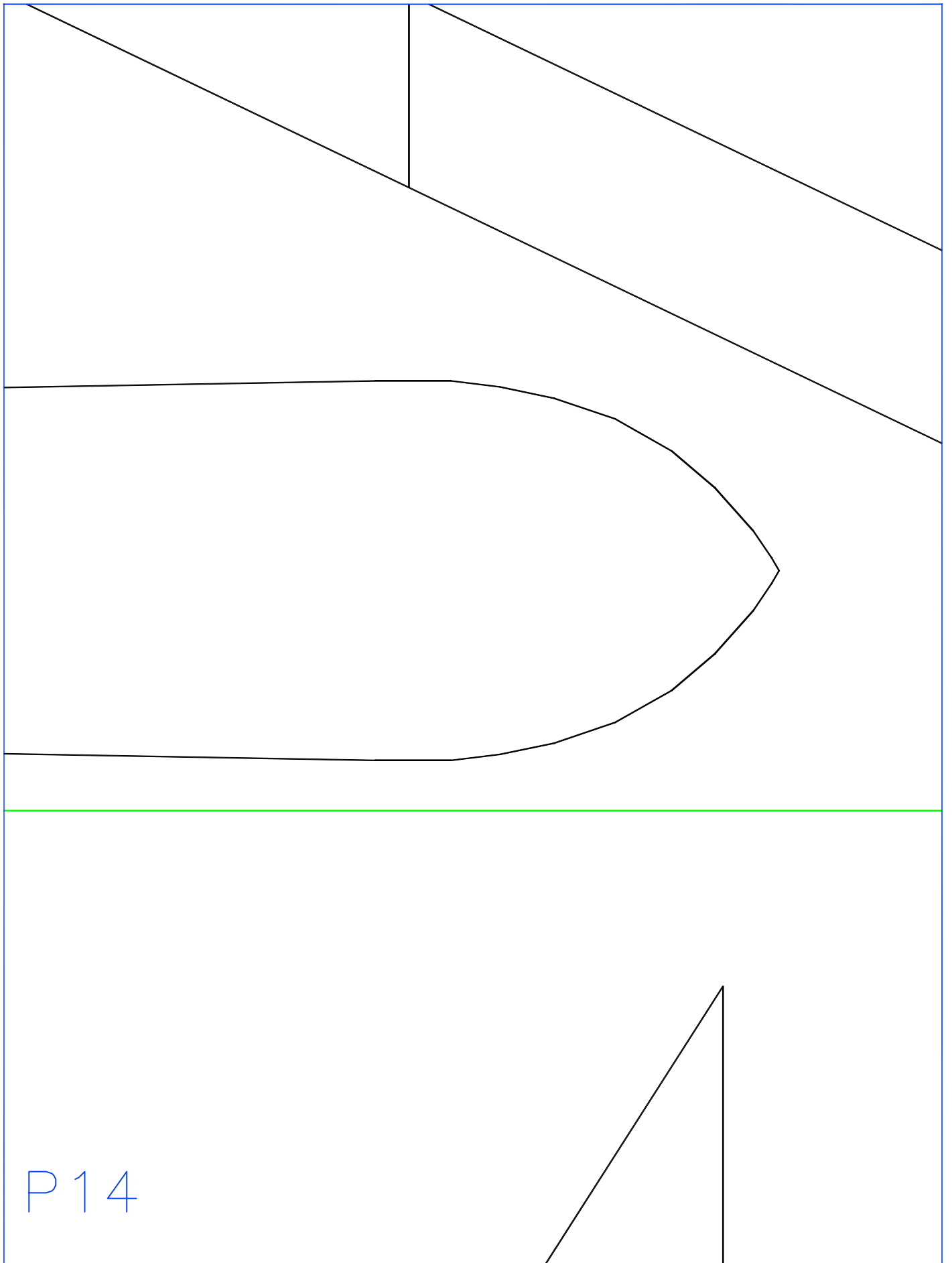




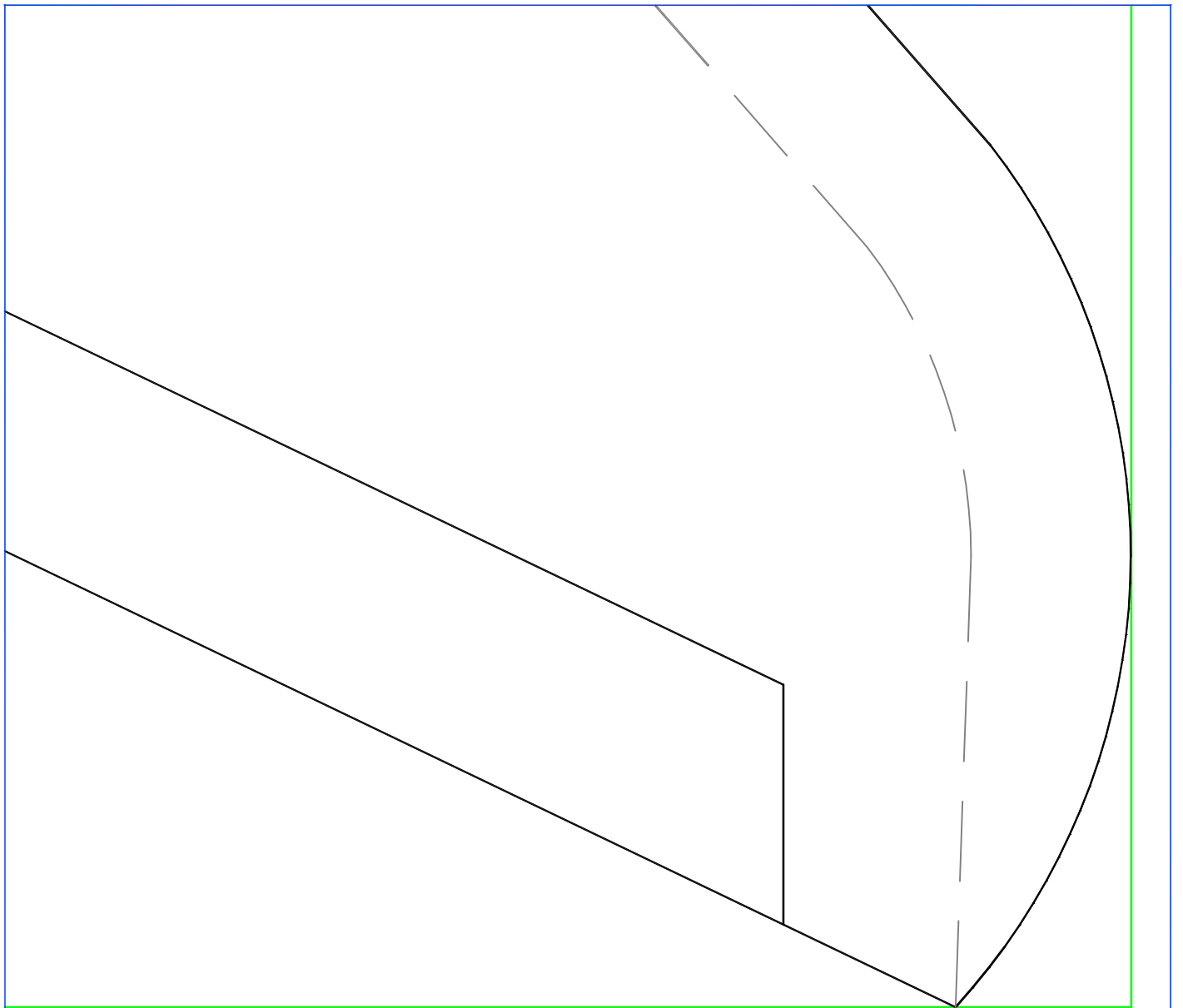
Fuselage Piece
(Make from 15mm EPP Foam)

P13





P14

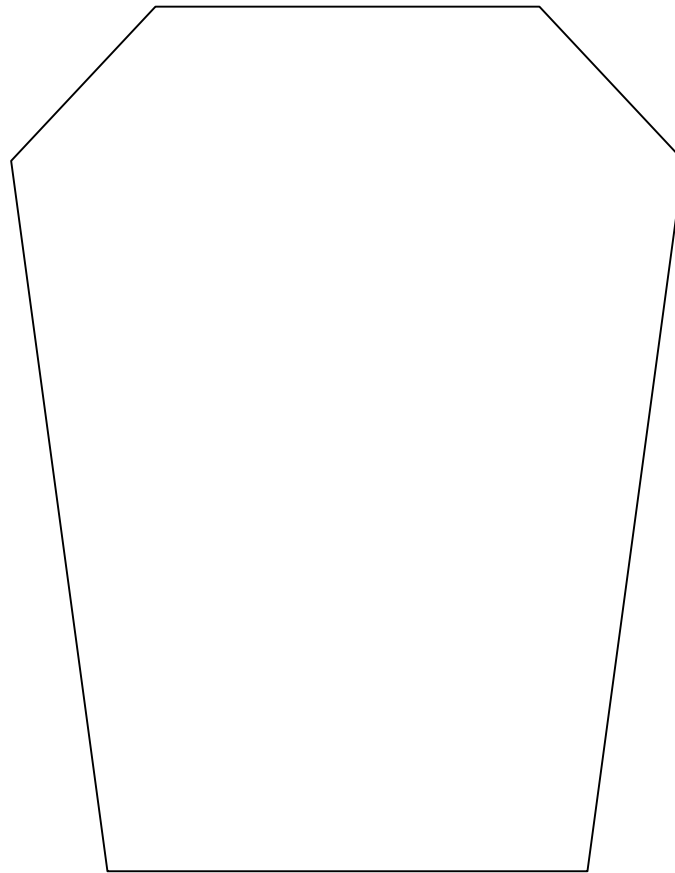


Edge of 24x36 EPP Sheet

P15

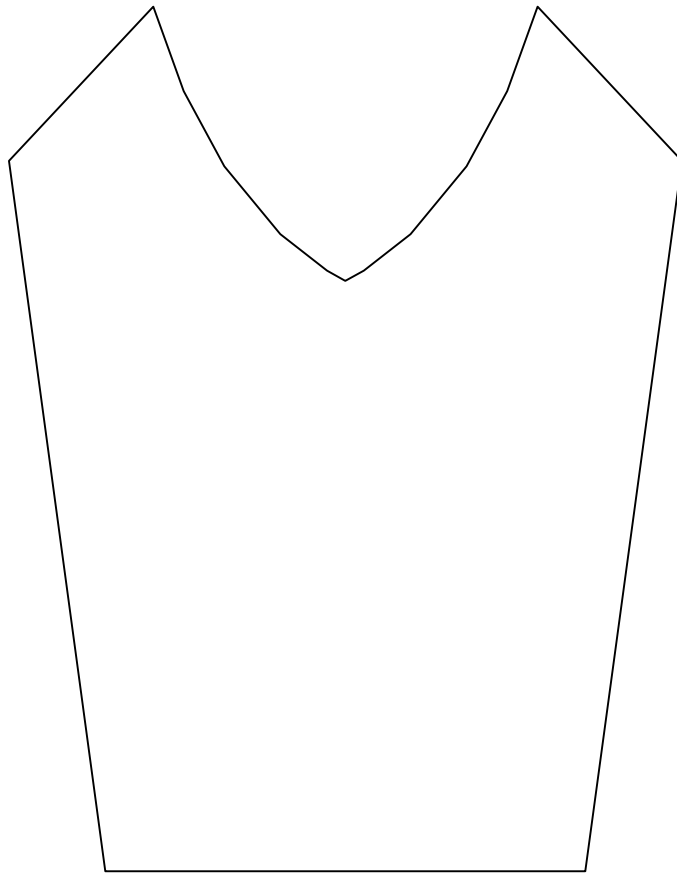
P16

**Bottom Motor Mount Brace
(Make from 3/16" (4mm) Balsa)**

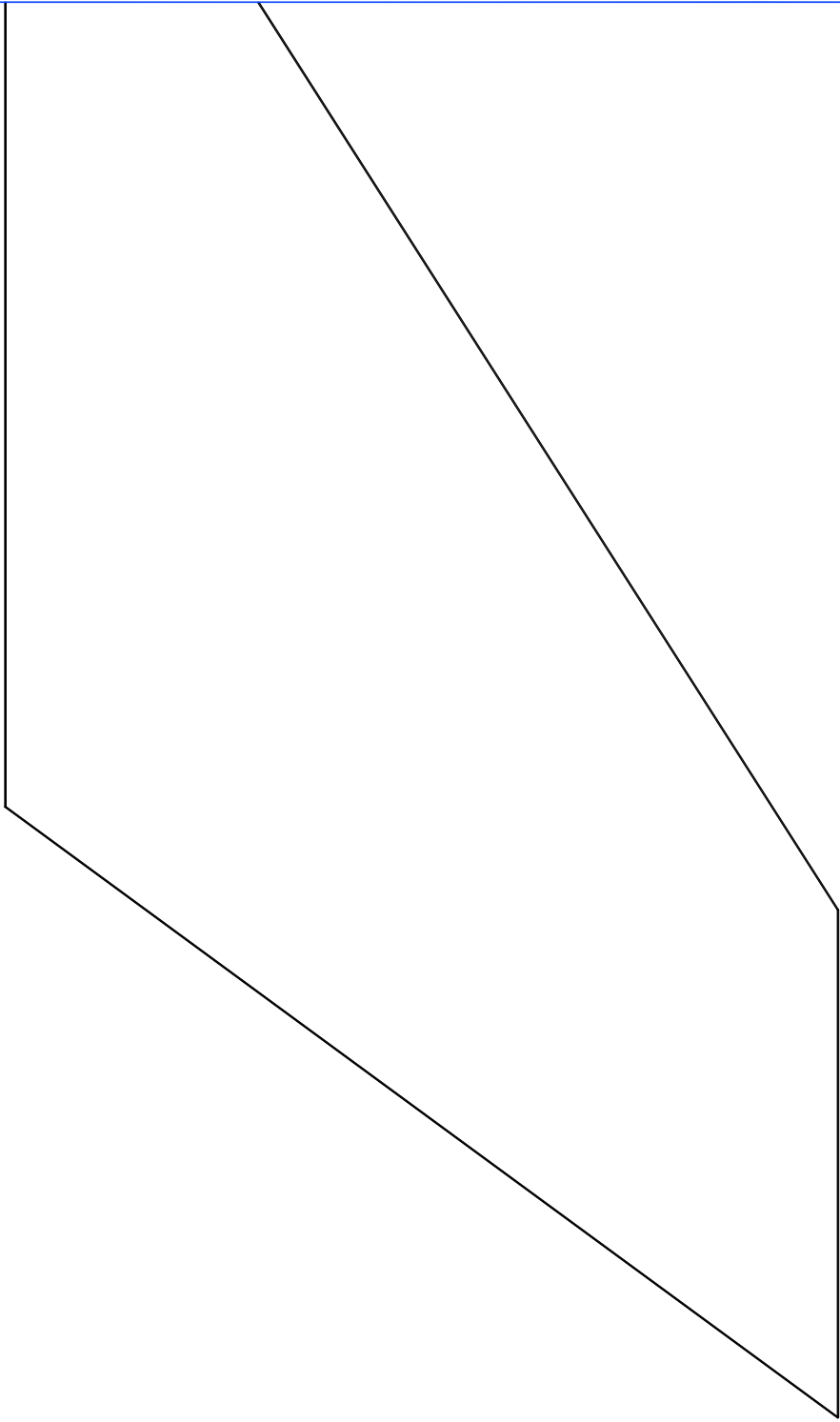


P17

Top Motor Mount Brace (Make from 3/16" (4mm) Balsa)

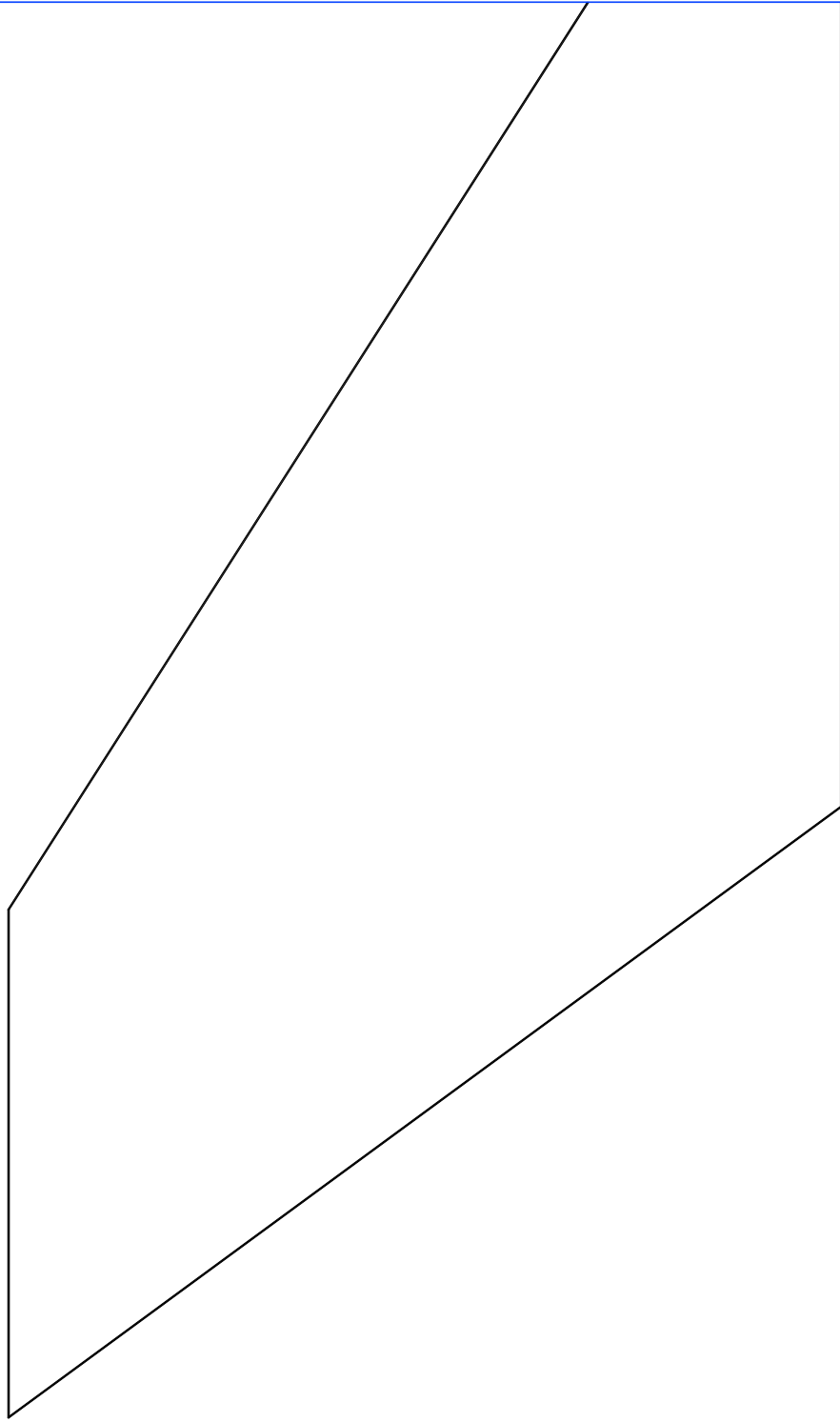


P18



Vertical Slot
(Make from 3/16"

P19



abilizer
(4mm) Balsa)