

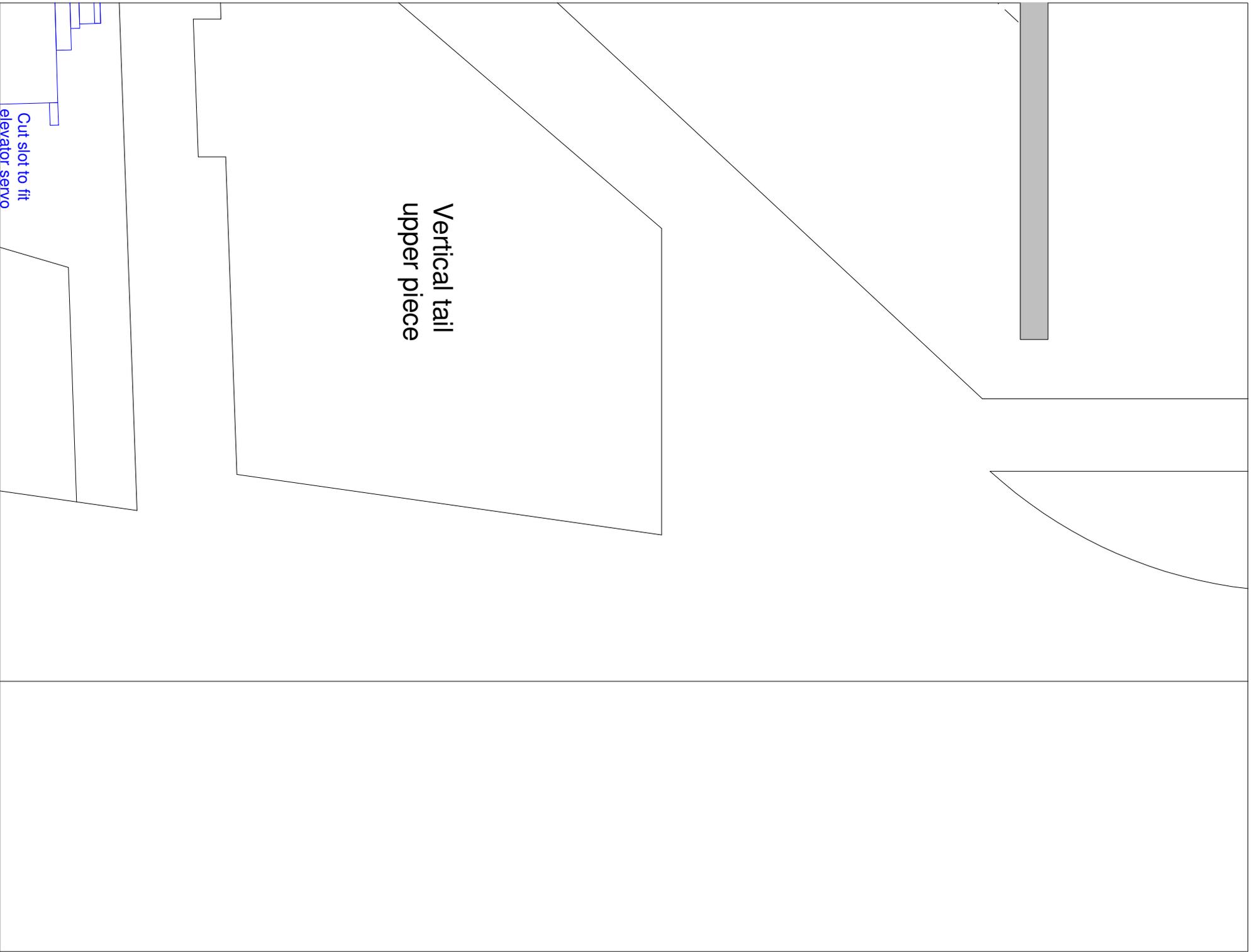
Vertical tail
base

Rudder

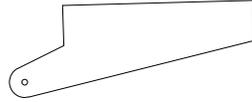
Vertical tail base
side piece

Sand to beveled edge



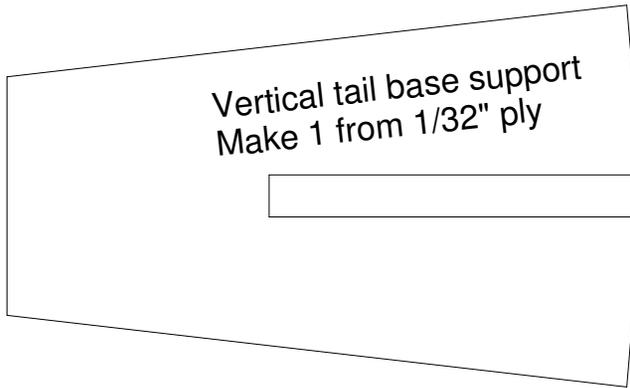


Sand to beveled edge

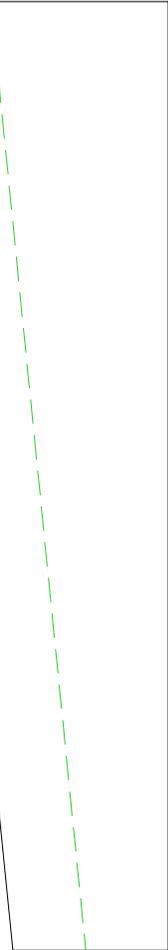
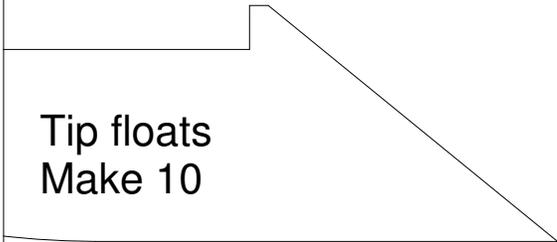


Control Horn
Make 2 from 1/32" ply

Vertical tail base support
Make 1 from 1/32" ply



Tip floats
Make 10



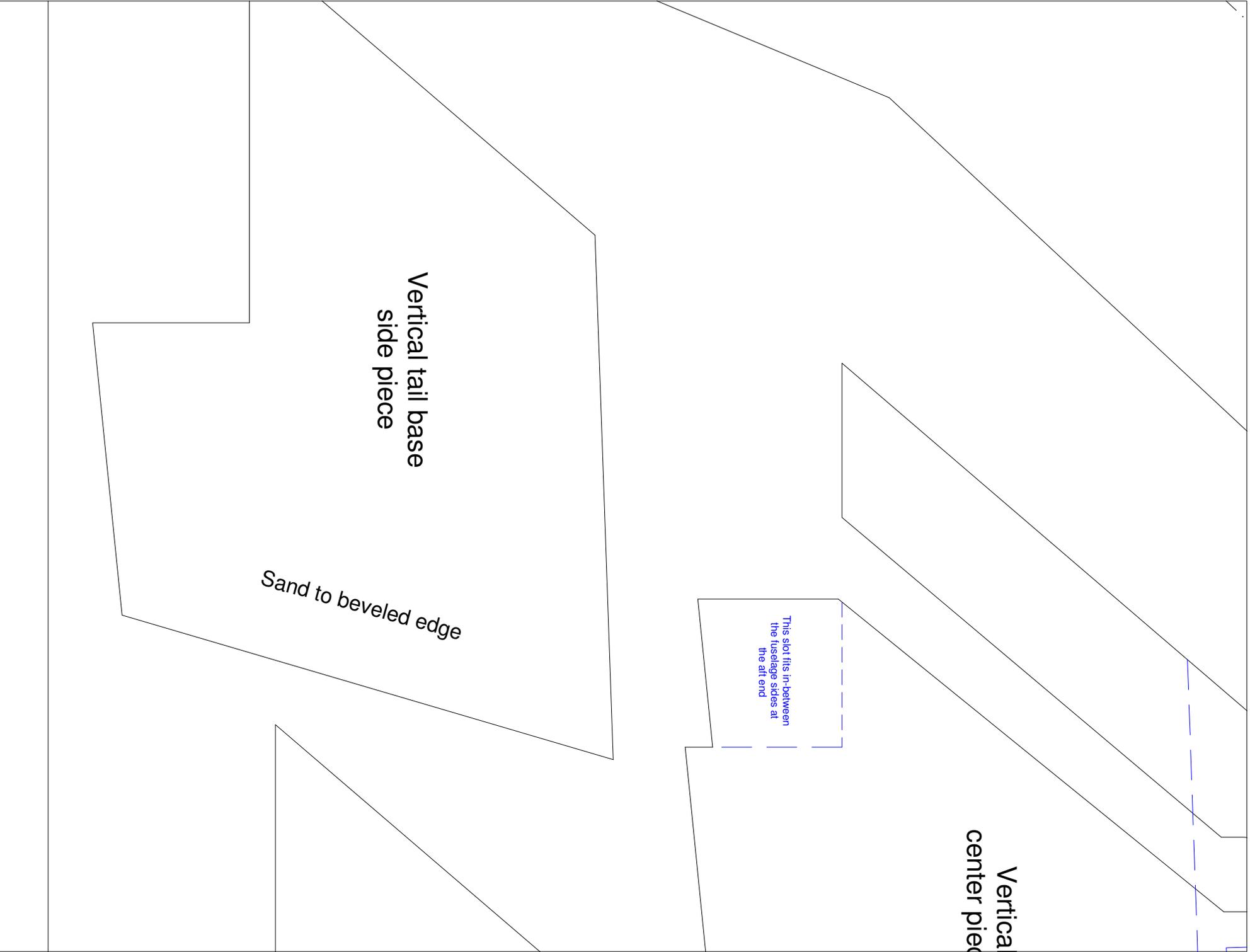
Canopy outline
for reference



Polaris

Designed by Steve Shumate
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All parts made from 6 mm Depron or
BlueCore foam unless otherwise specified



Vertical tail base
side piece

Sand to beveled edge

This slot fits in-between
the fuselage sides at
the aft end

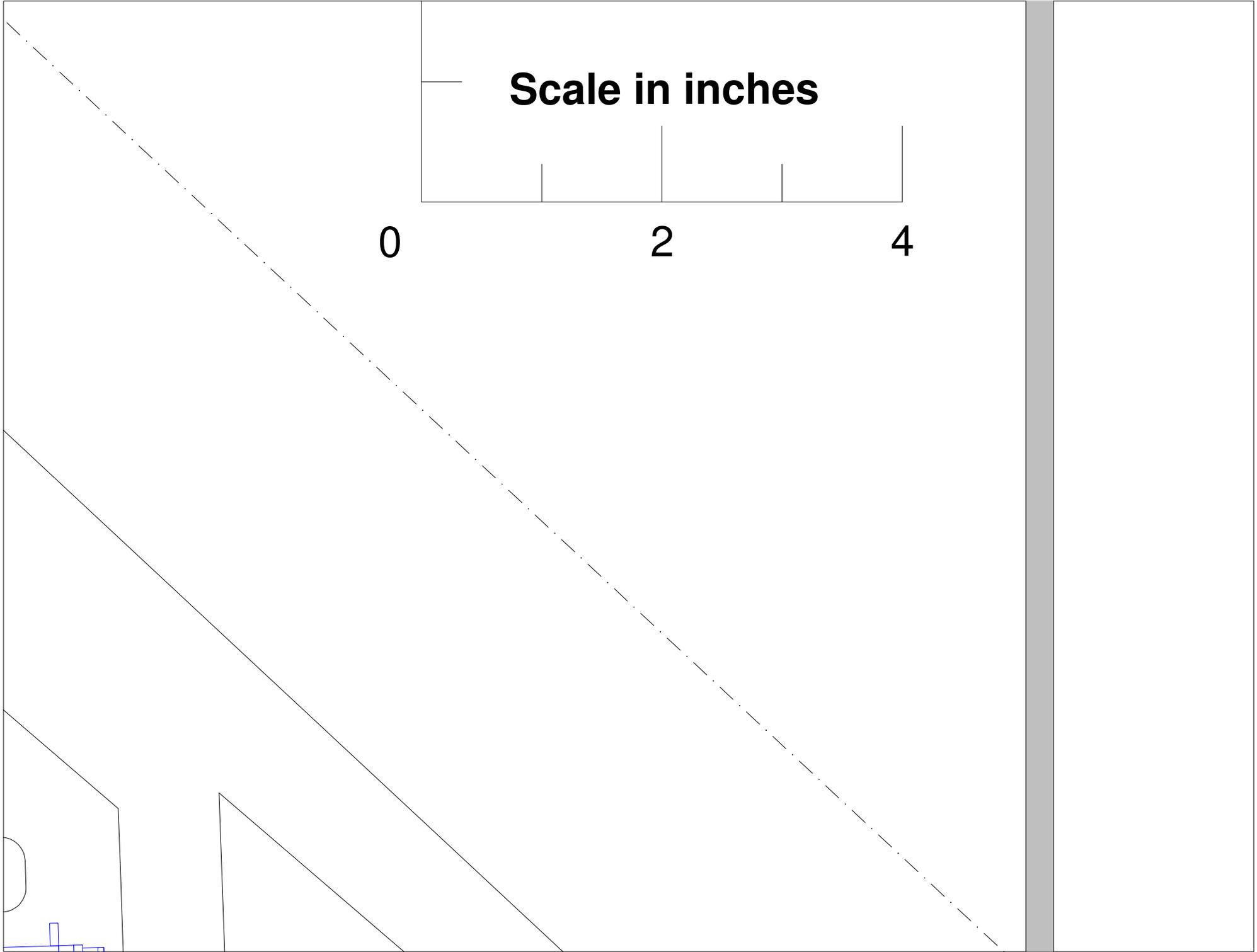
Vertical
center piece

Scale in inches

0

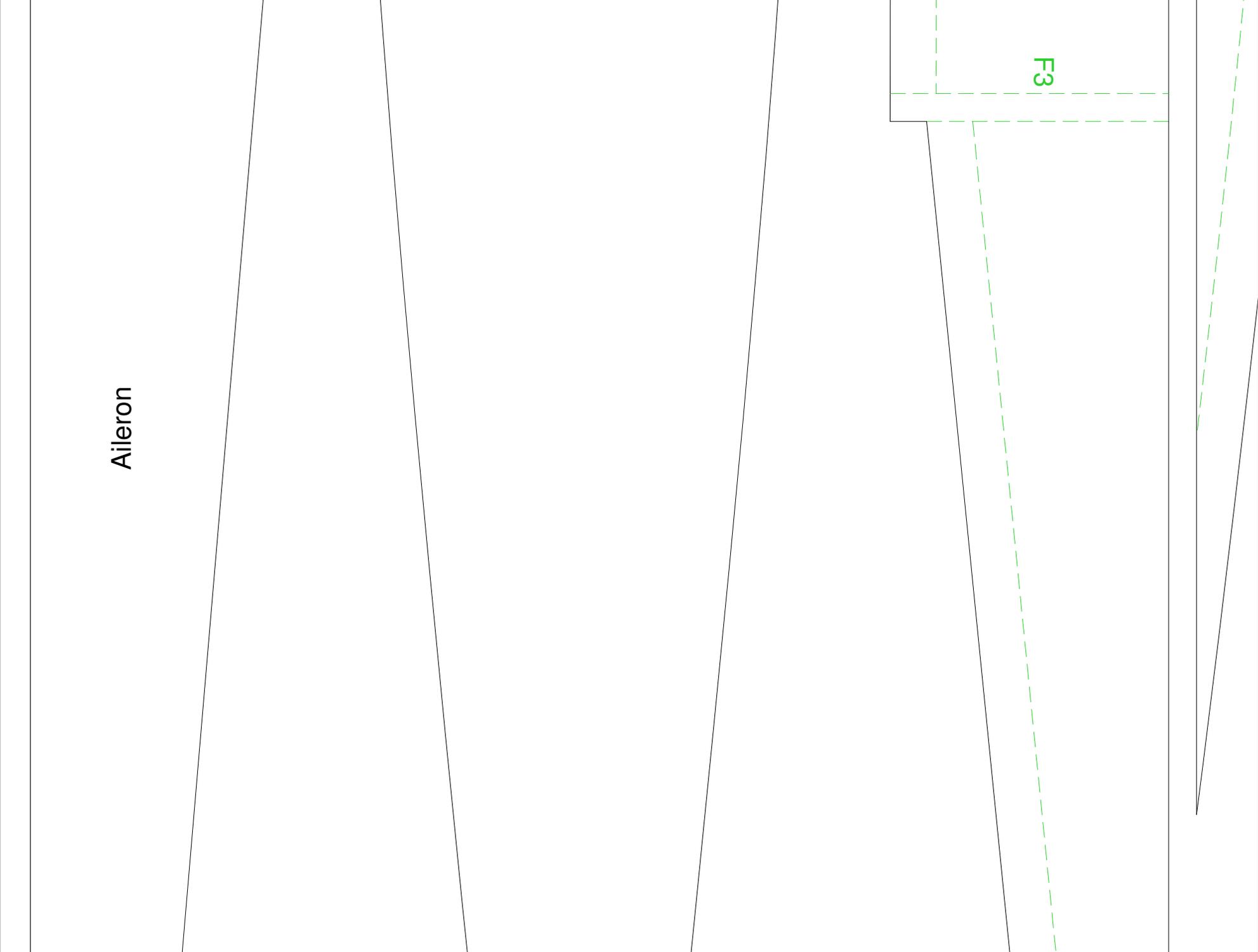
2

4



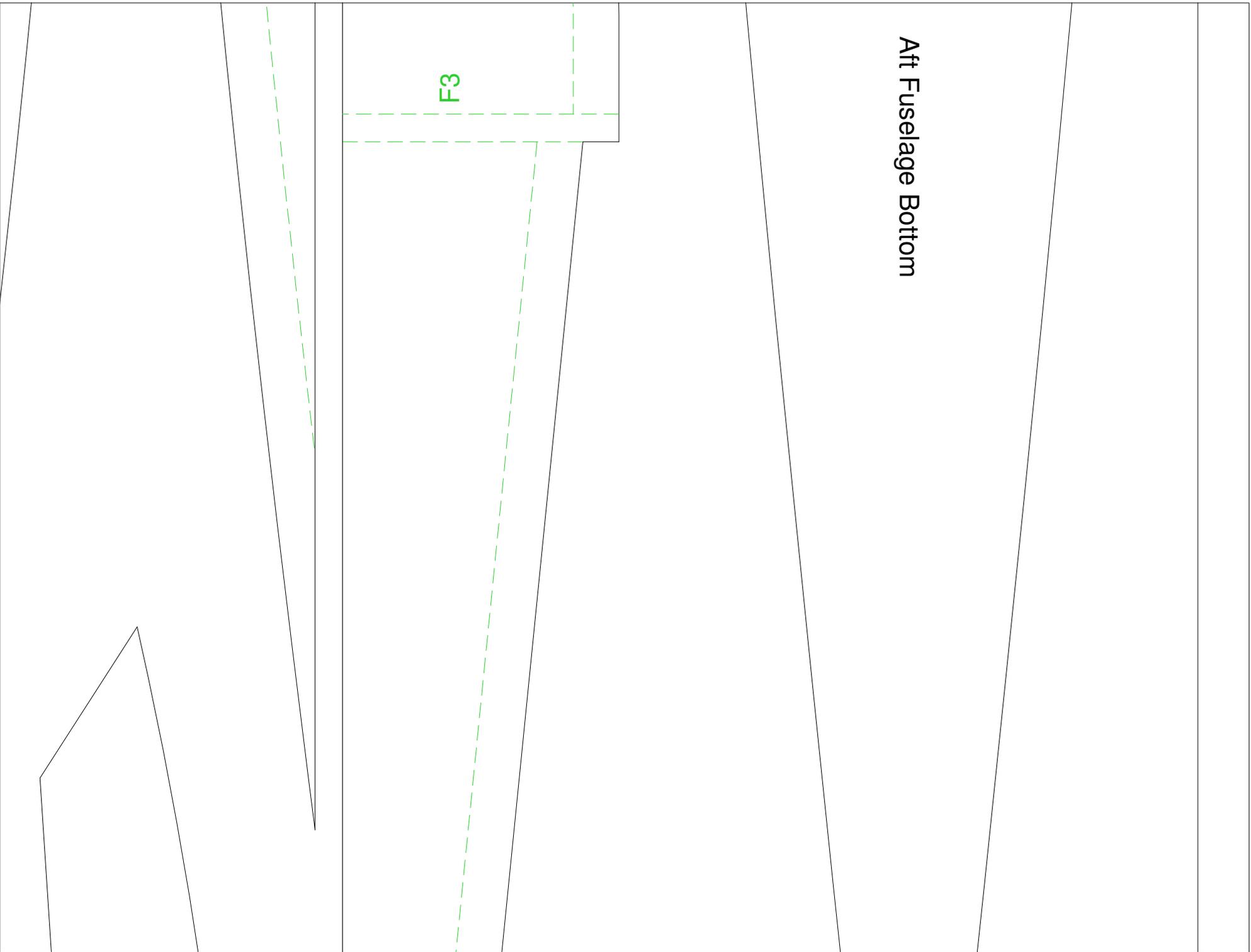
Aileron

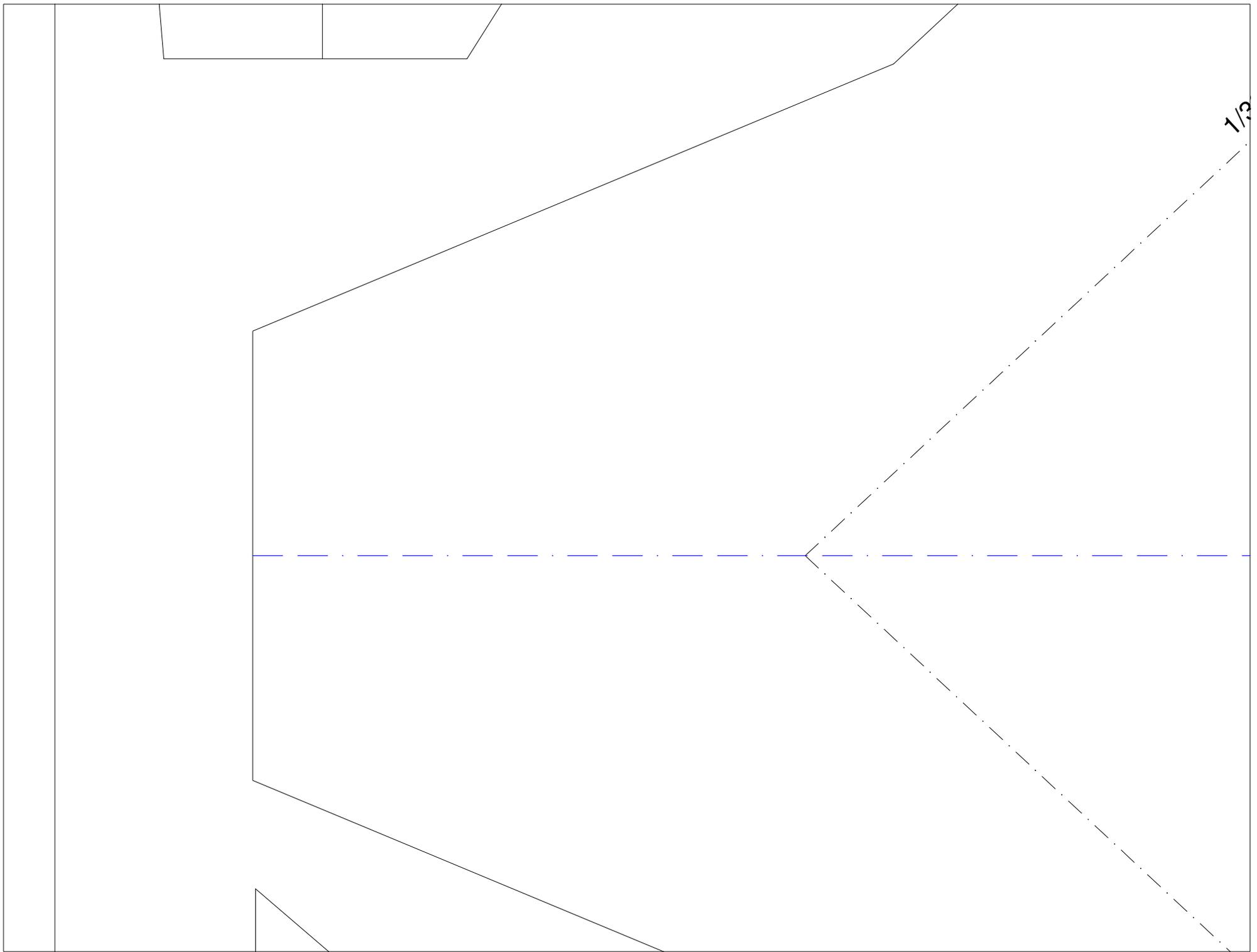
F3



Aft Fuselage Bottom

F3





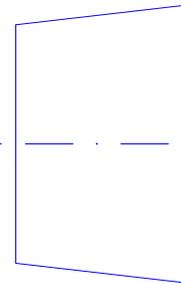
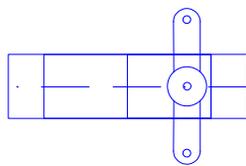
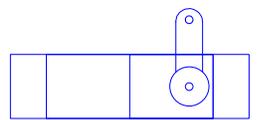
0.22" ply spars (

Wing

0.22" dia x 28" carbon tu

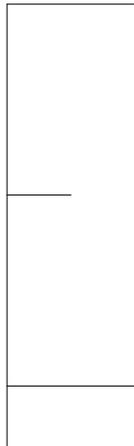
Cut slot for
rudder servo

Cut slot for
aileron servo



4

2





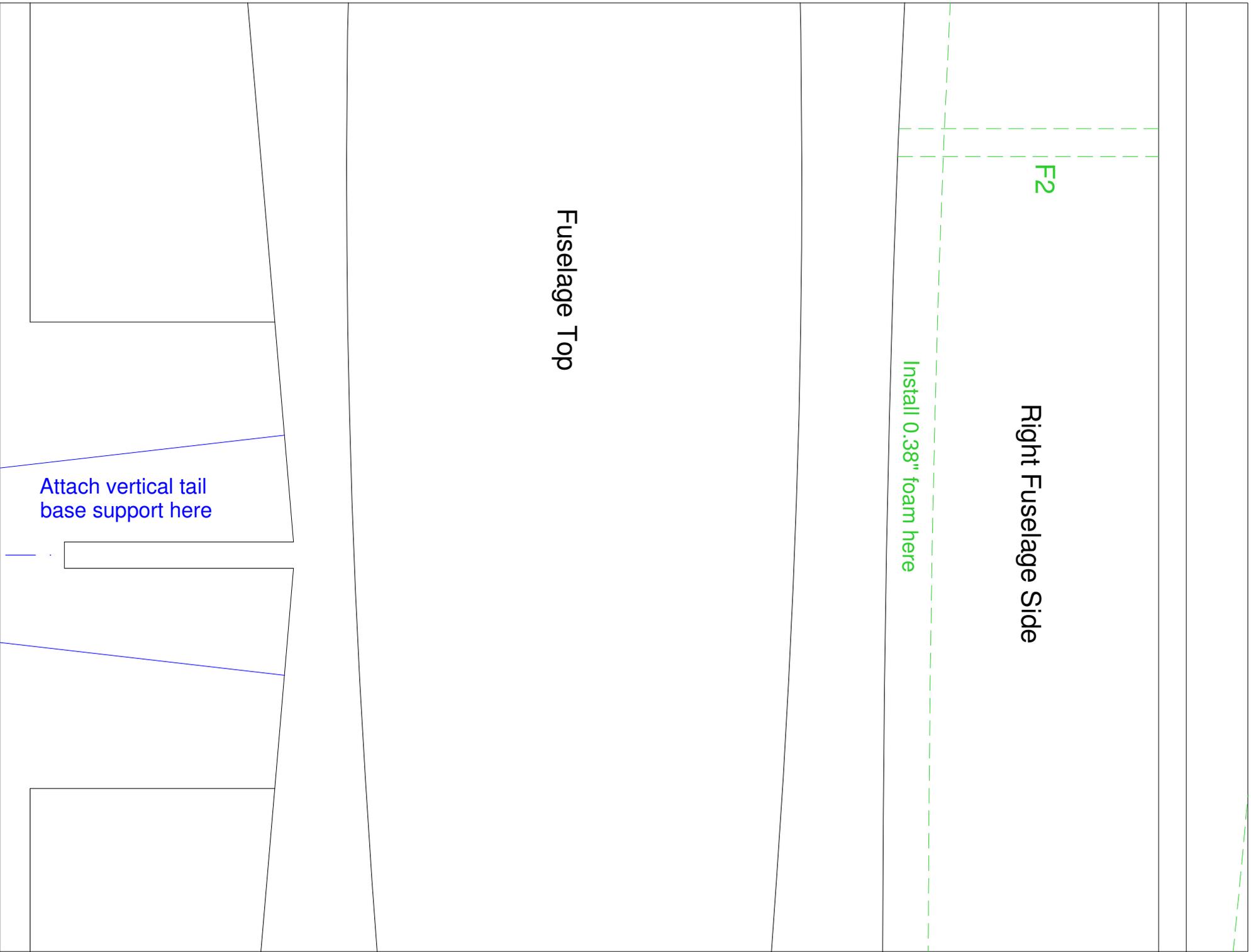
F2

Right Fuselage Side

Install 0.38" foam here

Fuselage Top

Attach vertical tail
base support here



Install 0.38" foam strips here

Install 0.38" foam here

Left Fuselage Side

F2

Install 0.38" foam here

Elevator

Horizontal tail



Slot for upper
vertical tail

Nosecone
Make 9

Nosecone
top template

Motor mount
Make 1 from
1/8" ply

(cut slot in wing with knife and install with epoxy)

be main spar

Aileron

The diagram shows a cross-section of an aircraft wing. On the left, a rectangular area is labeled 'Aileron'. To the right of the aileron, the wing structure is shown with several curved lines representing internal ribs or structural members. On the far right, a dashed green line indicates the location of a battery tray. A small rectangular box is drawn at the bottom right corner, representing the battery tray's footprint. The text 'Install battery tray as shown' is written in green, oriented vertically, next to the dashed line.

Install battery tray as shown



Install battery tray as shown

Fwd Fuselage Bottom

Beverl: 62"

Start bending here

Right

.25" strips top

N1

Left nacelle side

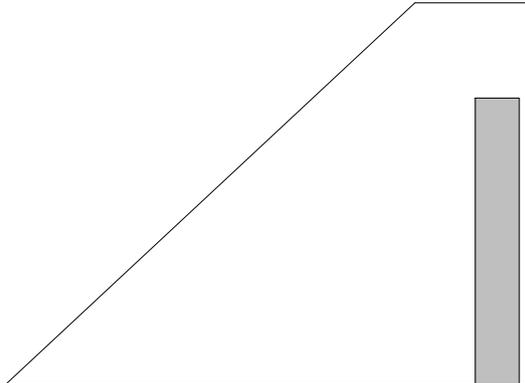
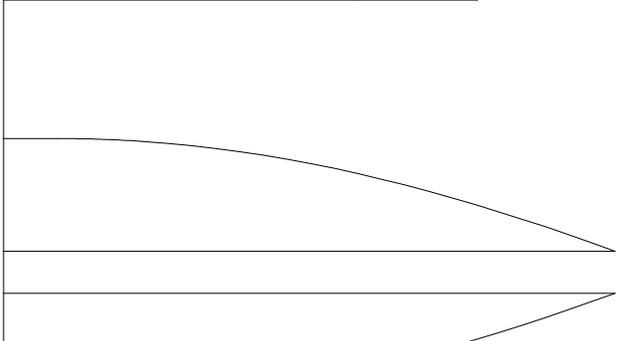
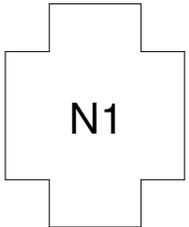
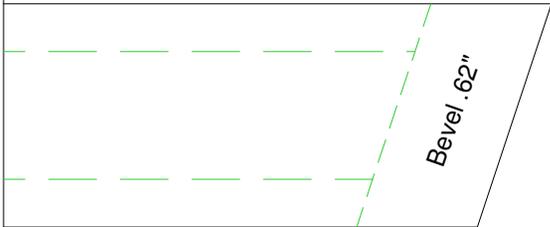
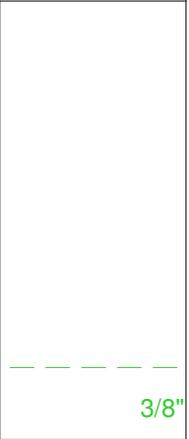
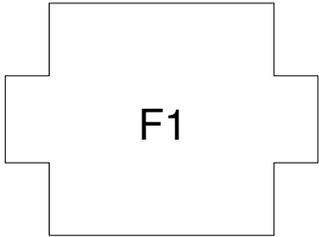
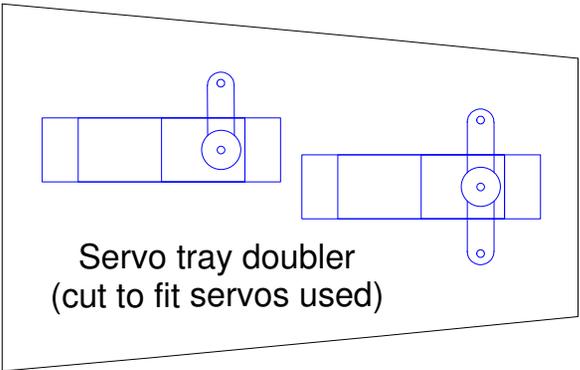
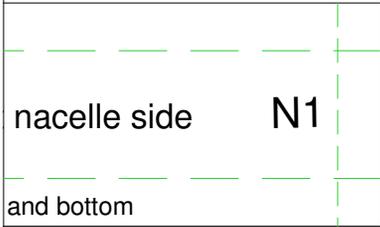
Start bending here

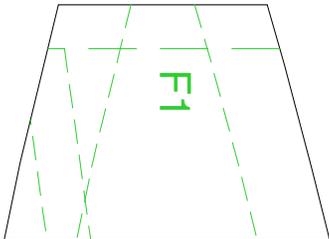
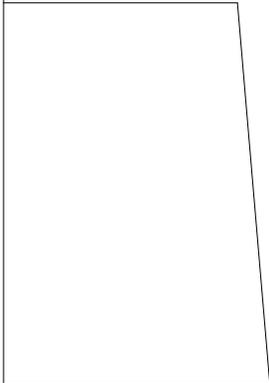
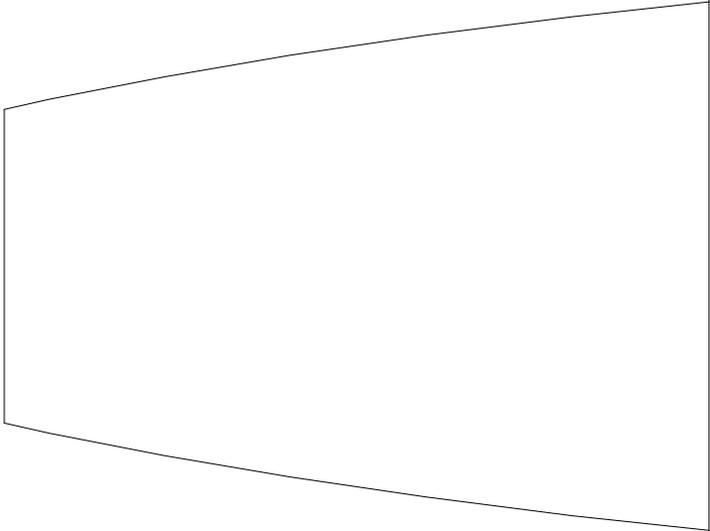
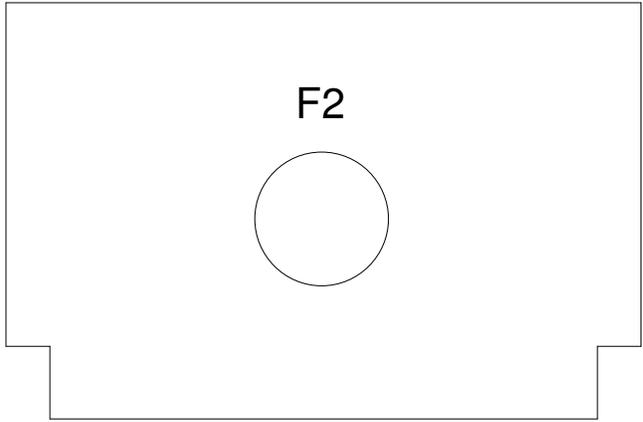
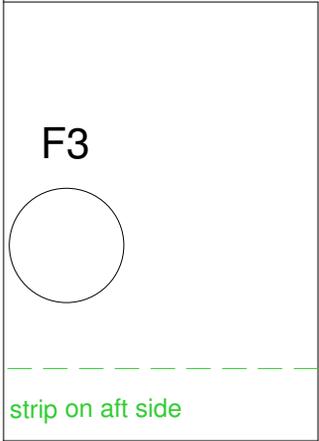
.25" strips top and bottom

1 1/32" ply spars

Nacelle bottom









Motor Battery Tray

F1