

Vertical tail base  
side piece

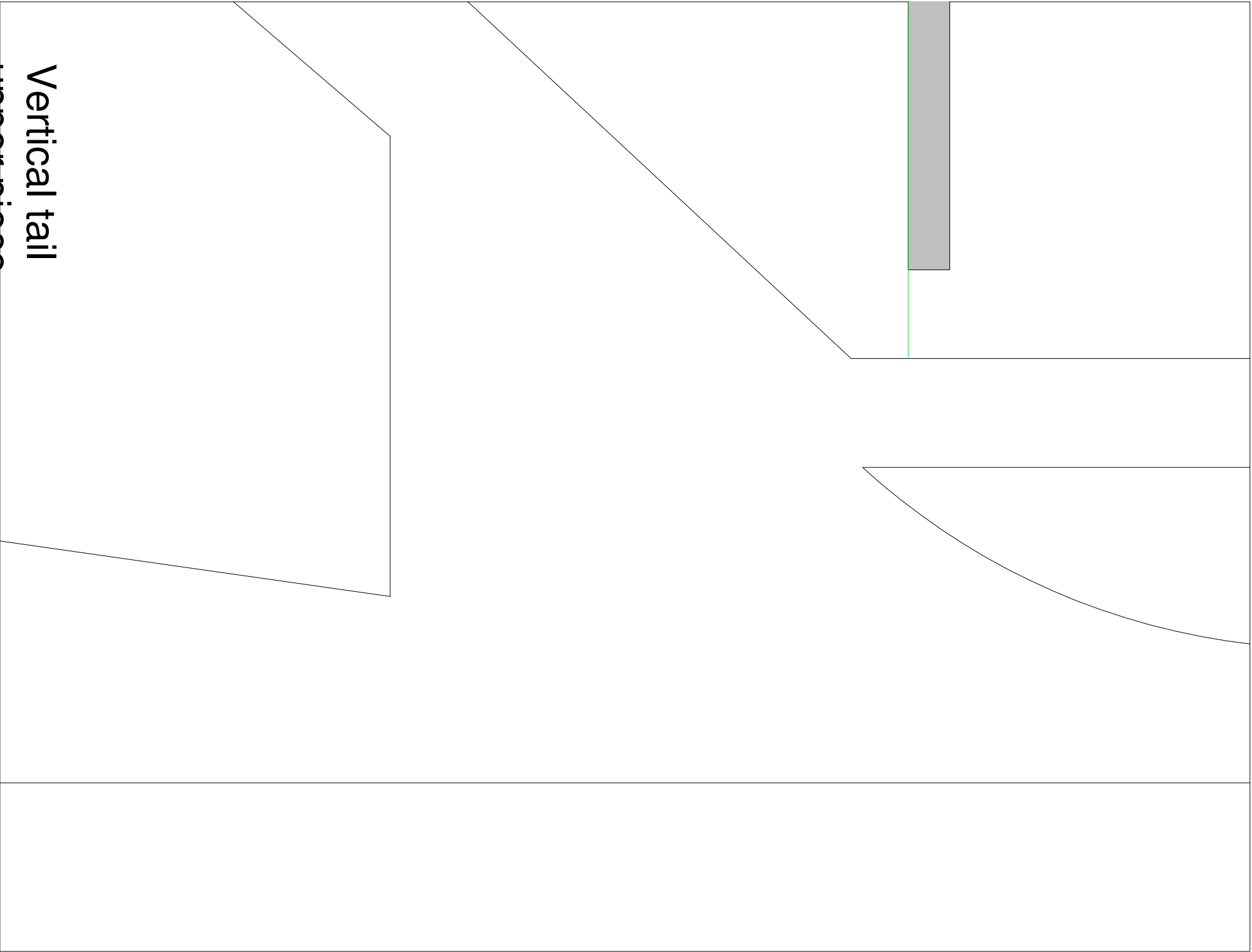
The diagram shows a technical drawing of a vertical tail base side piece. The piece is a trapezoidal shape with a beveled edge on the bottom side. A dashed green line is drawn across the top right corner. The drawing is enclosed in a rectangular frame.

*Sand to beveled edge*

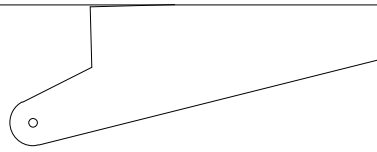
upper piece

Rudder

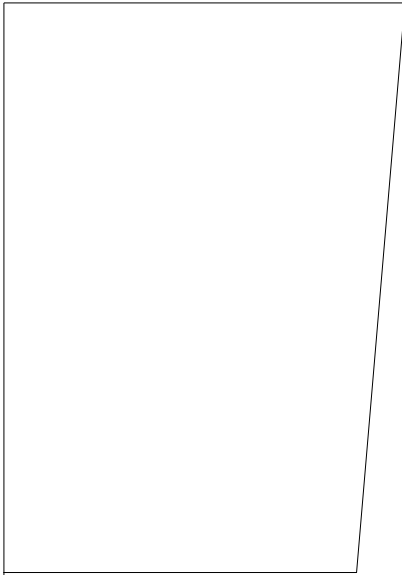




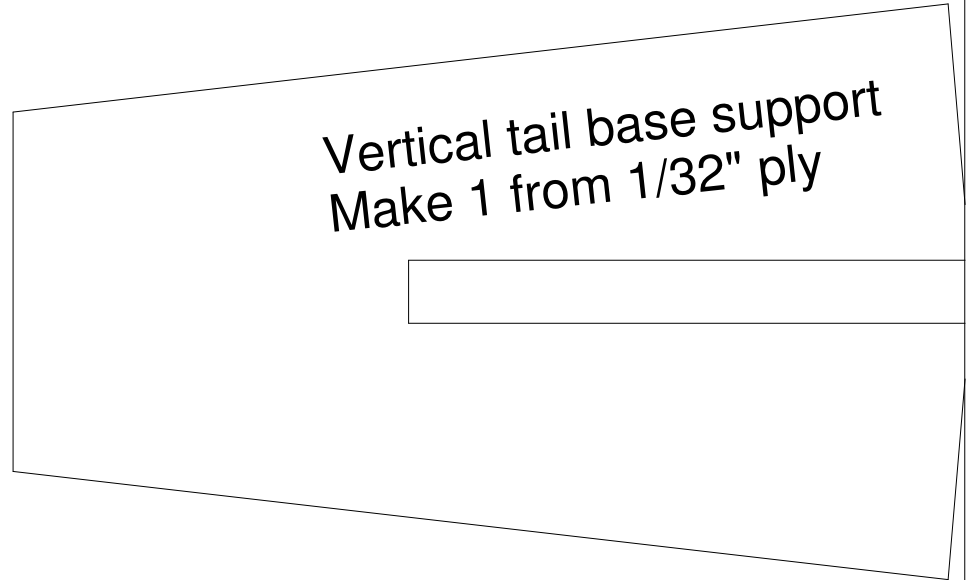
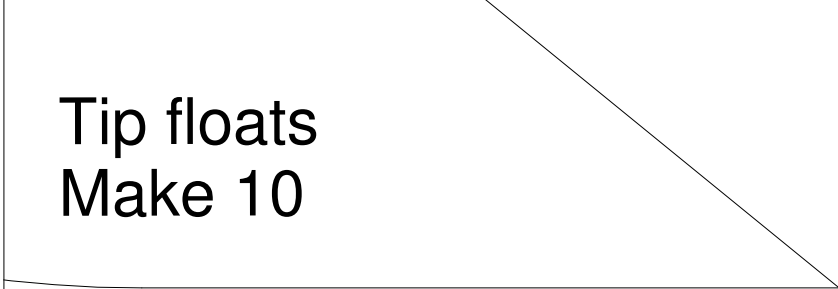
Vertical tail



**Control Horn**  
**Make 2 from 1/32" ply**



**Tip floats**  
**Make 10**



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

Outline  
ance





# *Polaris*

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

This slot fits inbetween  
the fuselage sides at  
the aft end

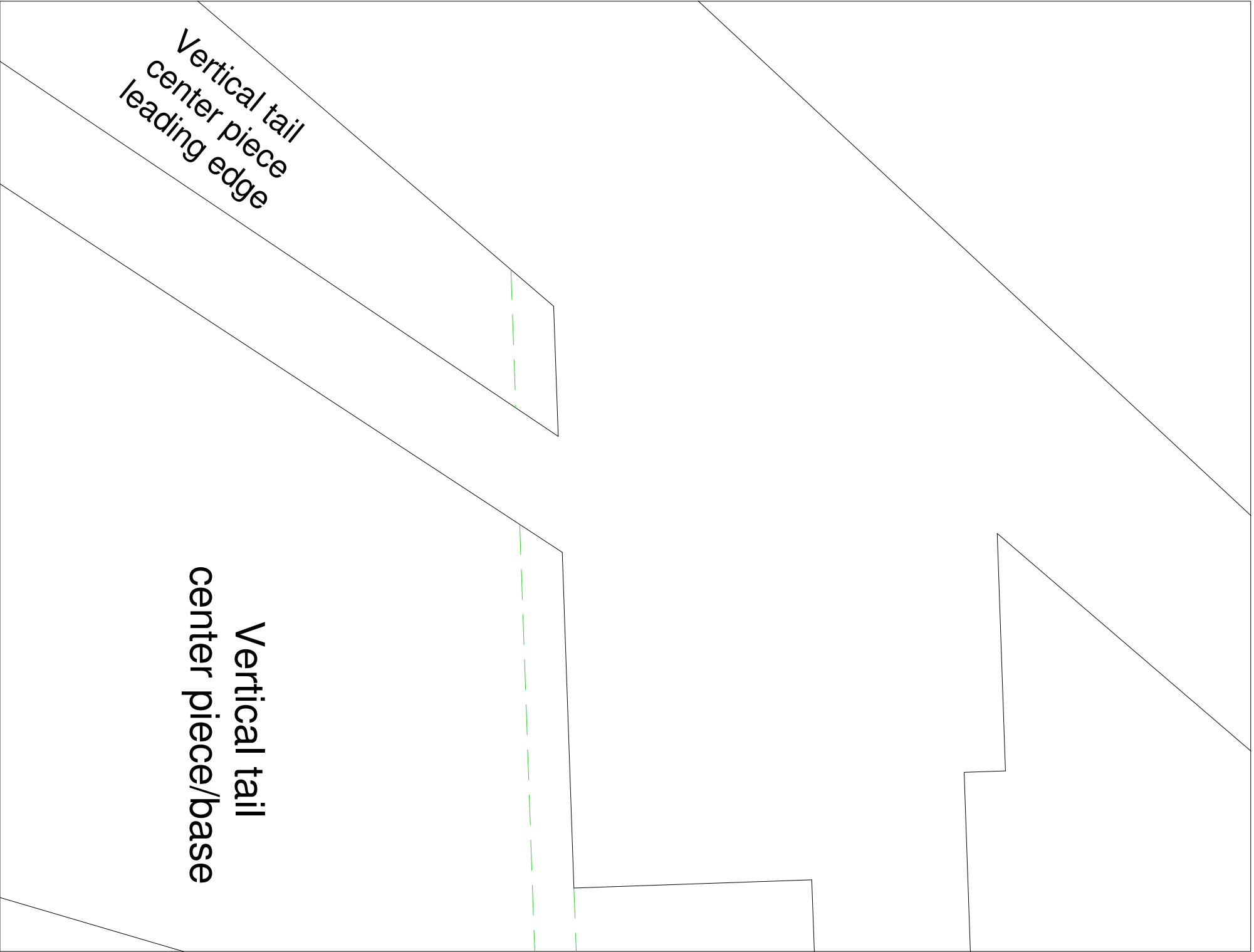
Sand to beveled edge

base  
ce

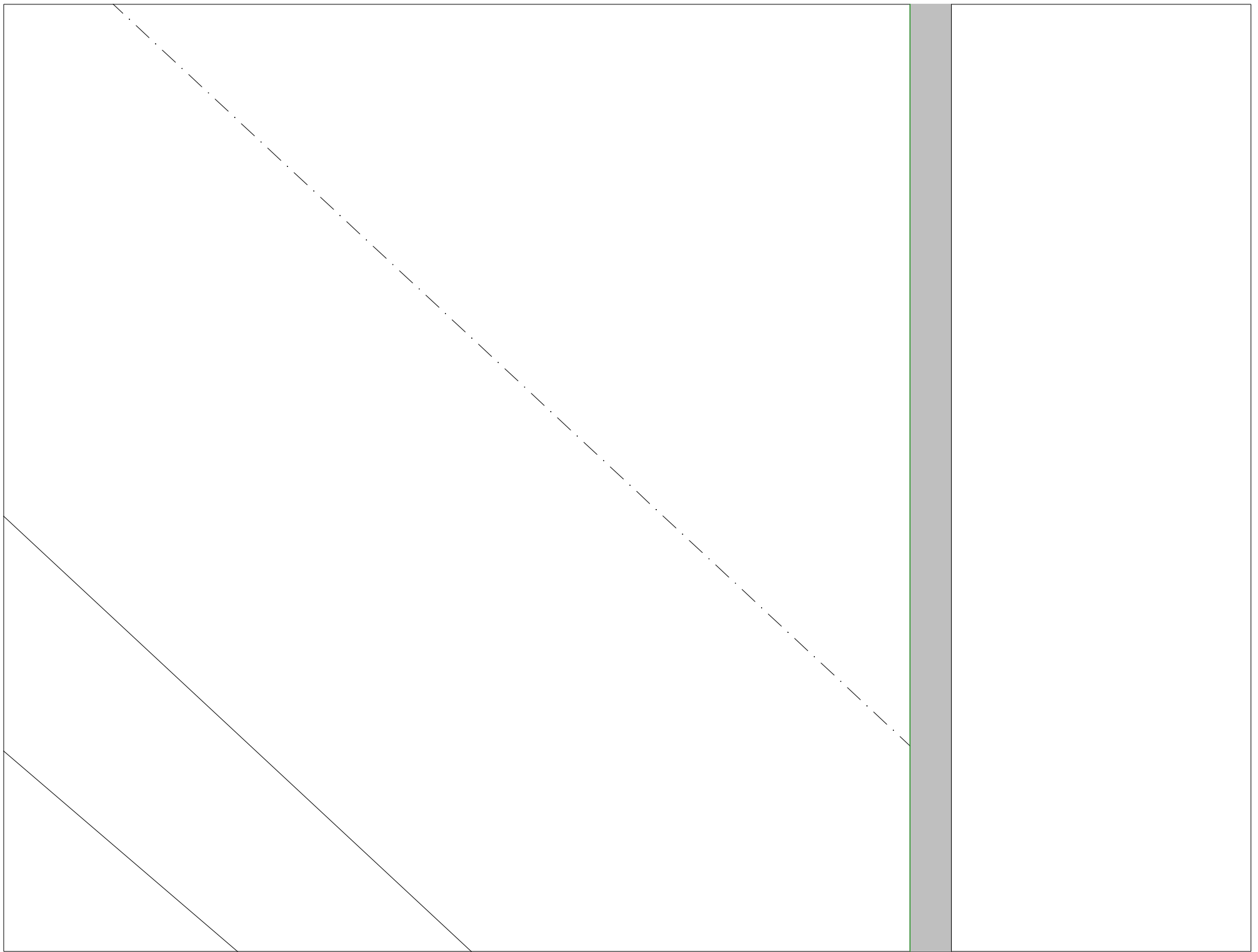


Vertical tail  
center piece  
leading edge

Vertical tail  
center piece/base





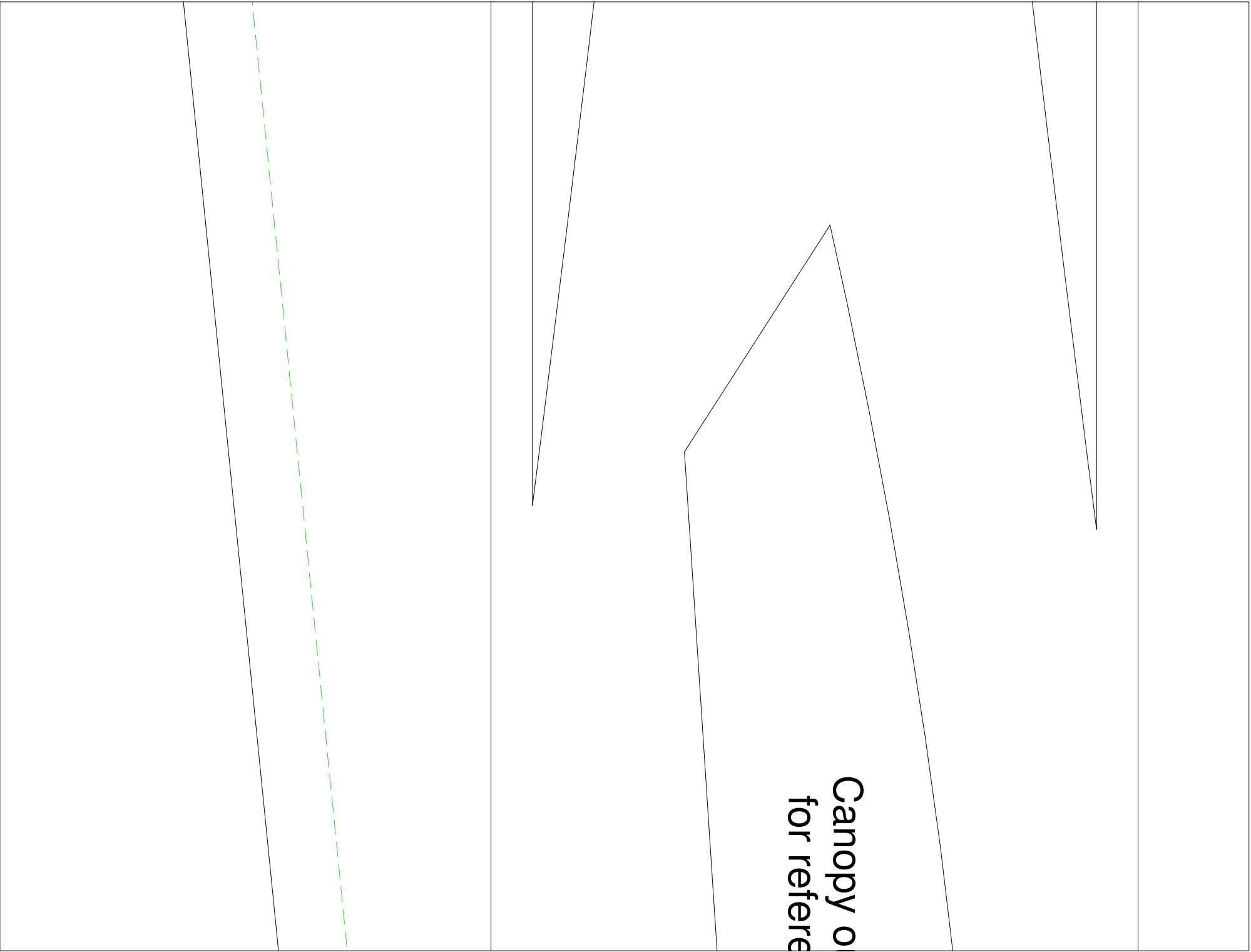




The image shows a technical drawing of a beveled edge. It consists of a large trapezoidal shape with a smaller rectangular section attached to its left side. The bottom edge of the trapezoid is beveled. The text "Sand to beveled edge" is written in the lower right area of the drawing.

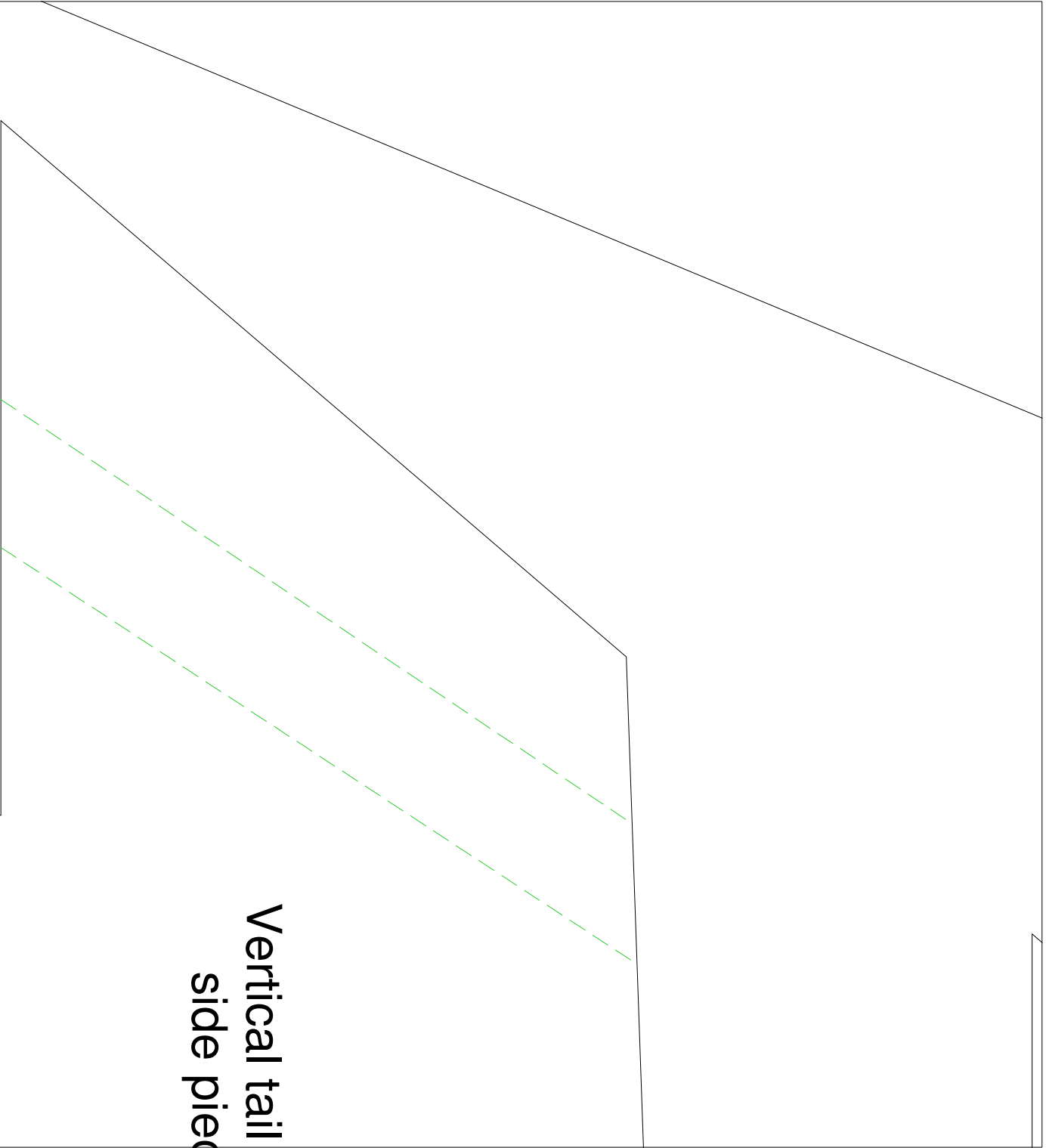
Sand to beveled edge

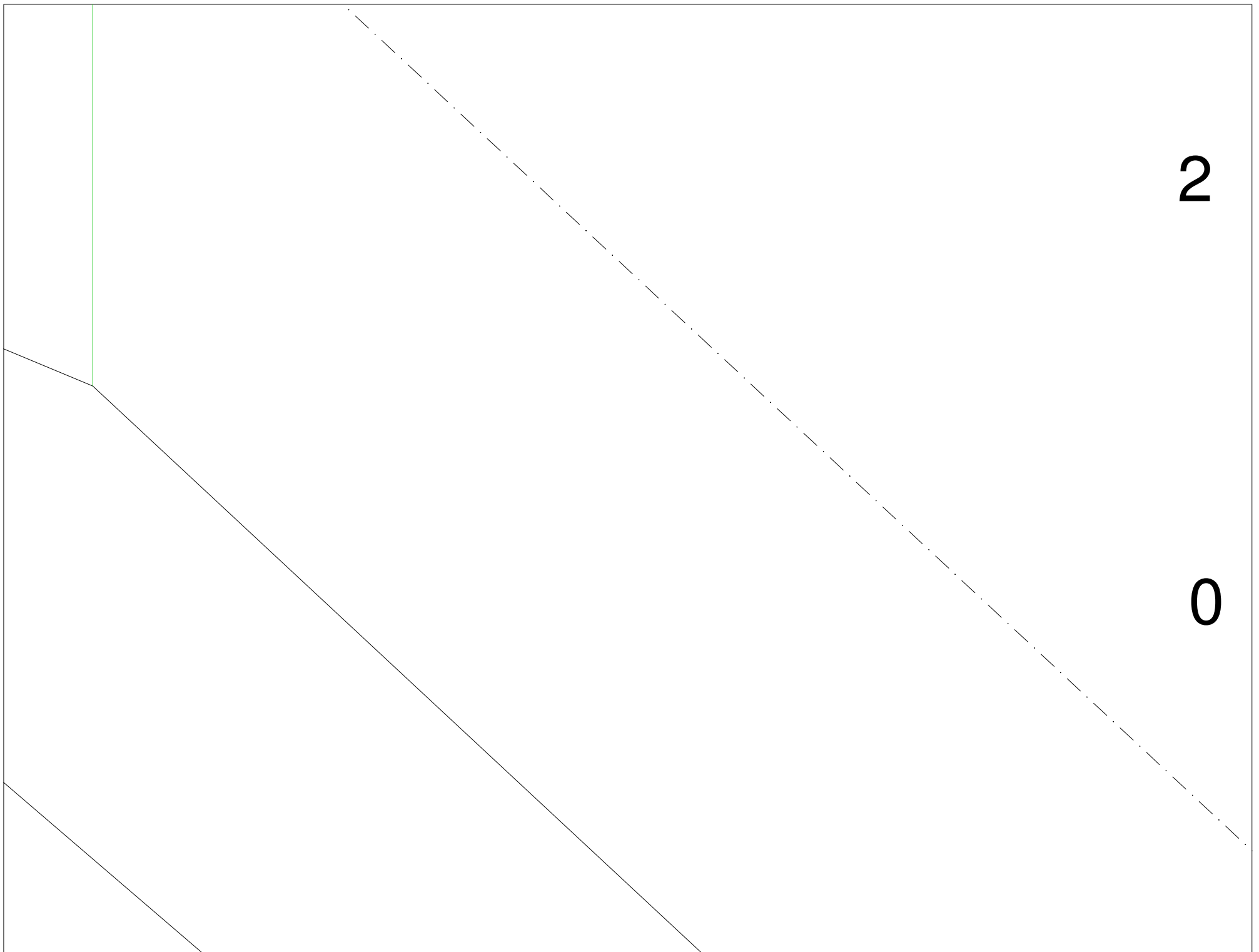
**Canopy 0  
for refere**





**Vertical tail  
side piece**





# Scale in inches

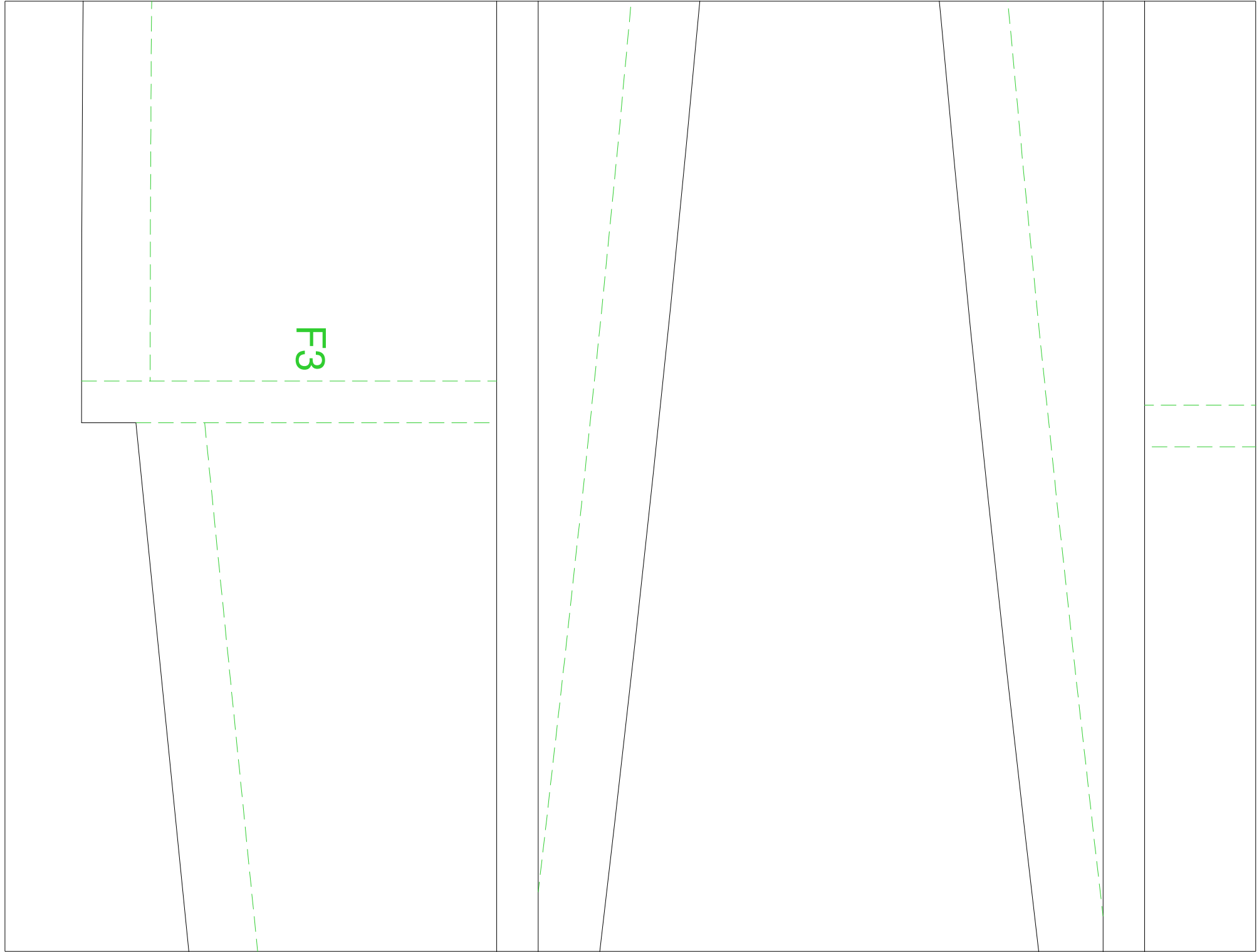
2

4



Aileron





F3

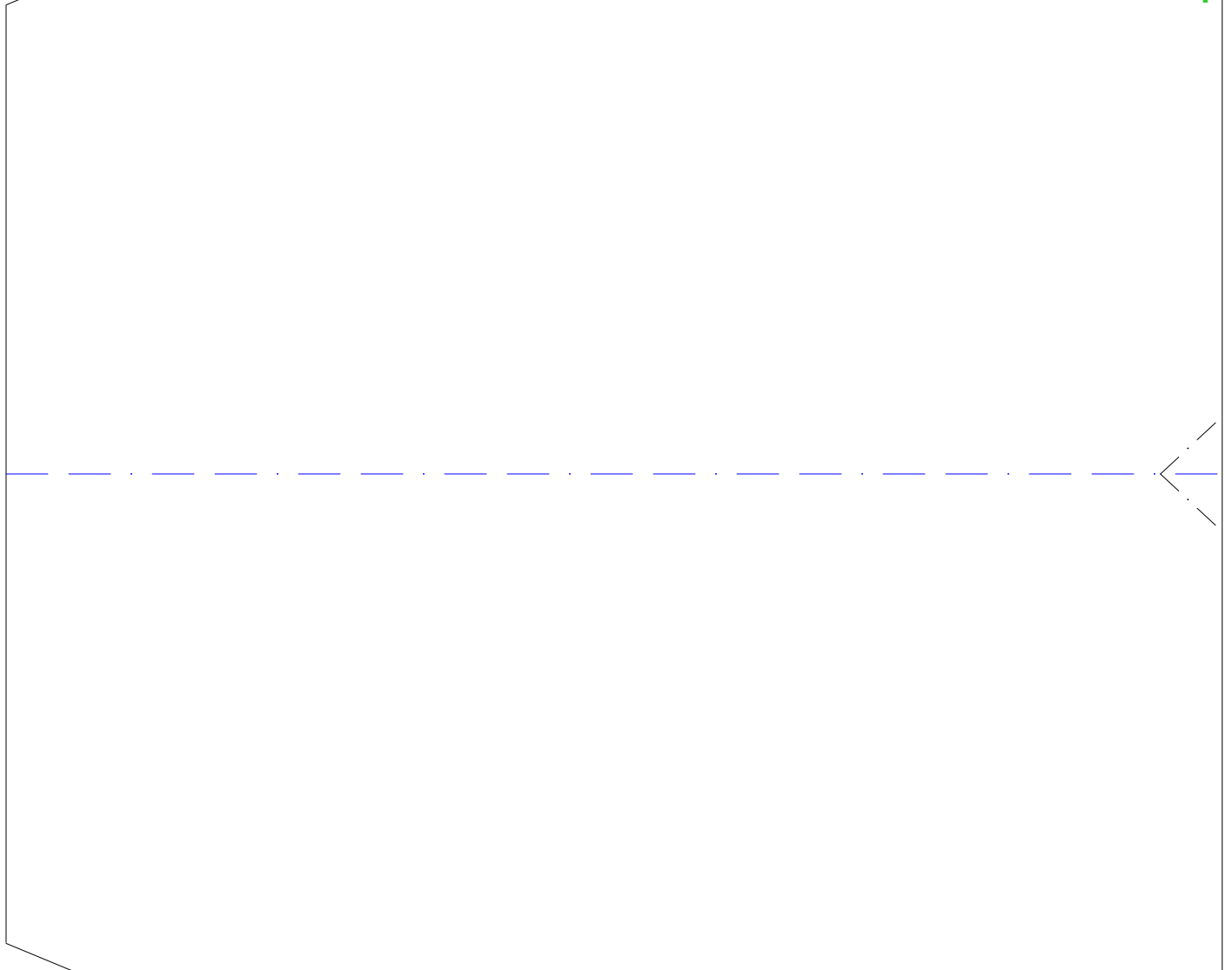
# Aft Fuselage Bottom

F3



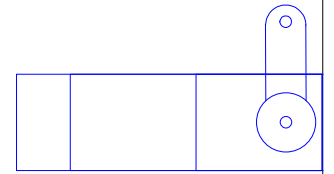
The diagram shows the bottom view of the aft fuselage. It features a central trapezoidal section with a dashed green line labeled 'F3' indicating a specific feature or cut. The drawing includes solid black lines for the main structure and dashed green lines for the 'F3' feature. The text 'Aft Fuselage Bottom' is centered above the main trapezoidal shape.

Optional splice  
using less than  
sheets of Dep



ce if  
full  
ron

Cut slot for  
rudder serv



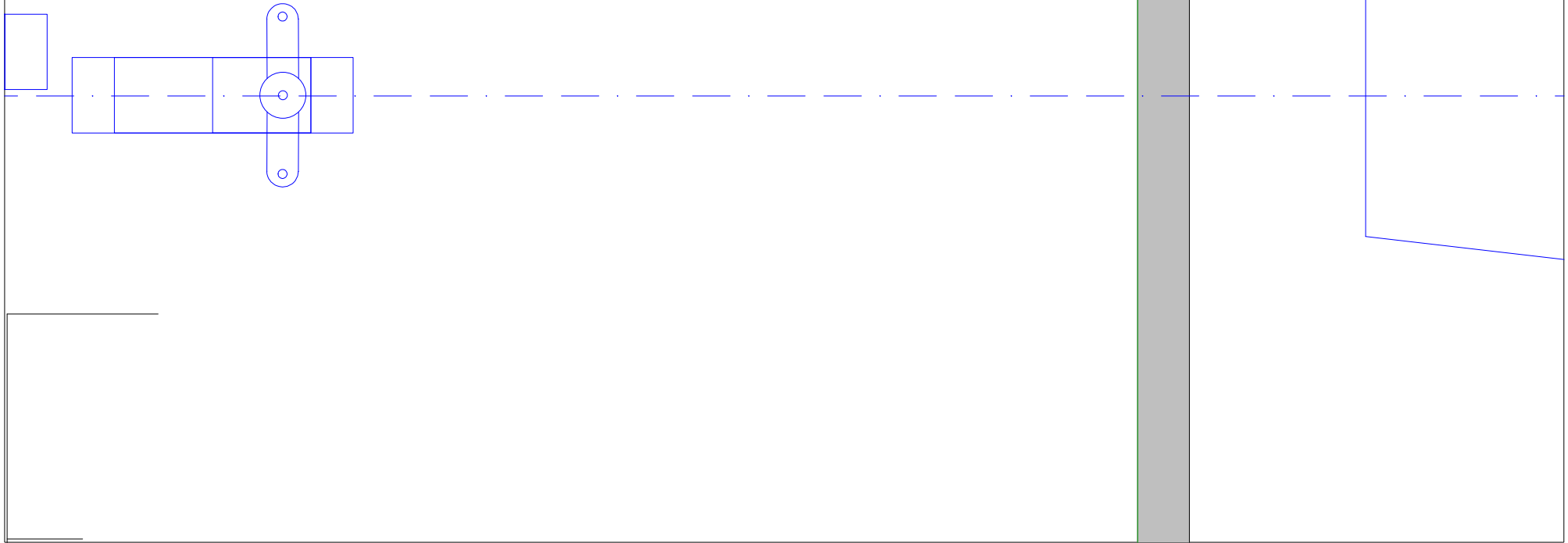
4

Wing

0.22" dia x

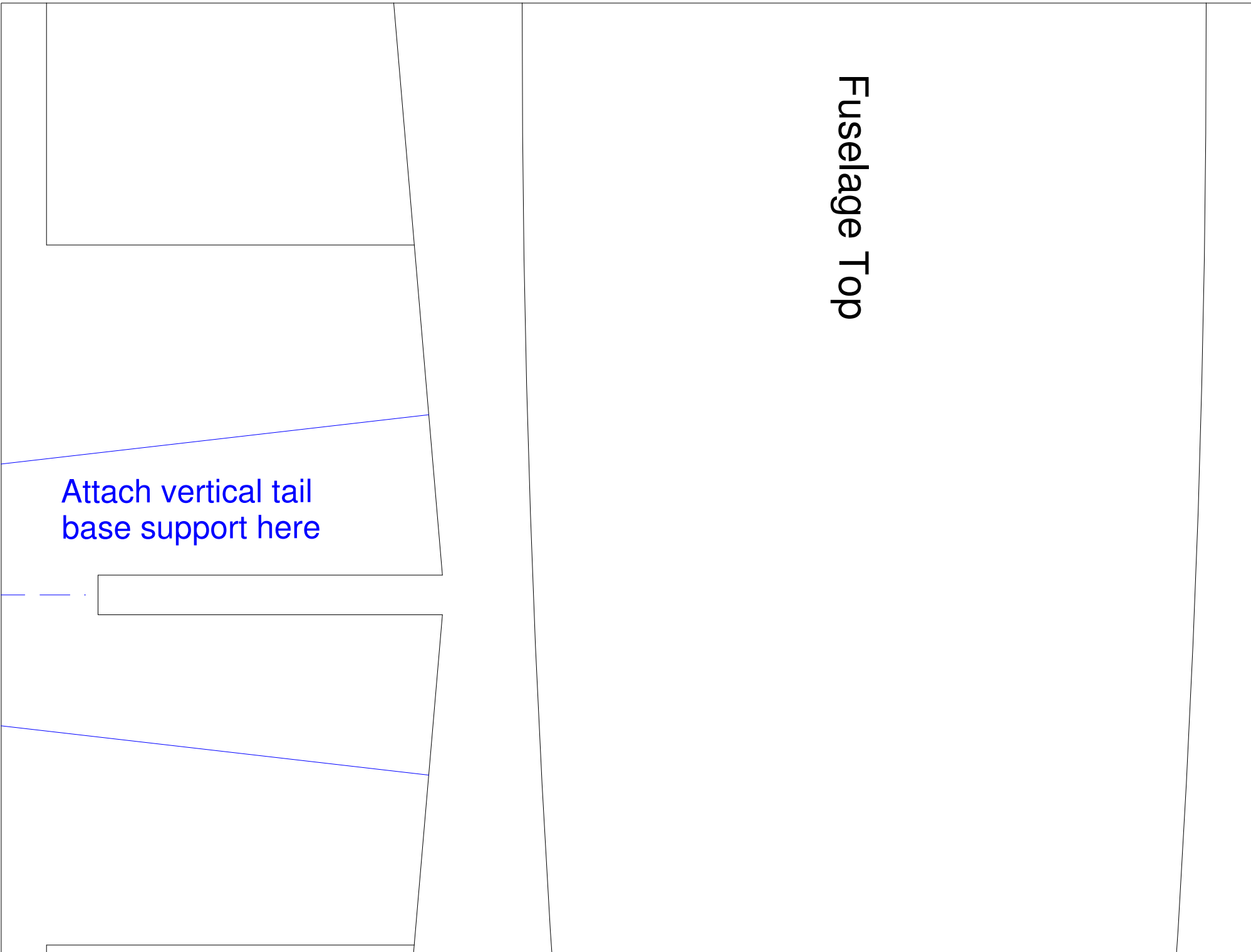
or  
vo

Cut slot for  
aileron servo



# Fuselage Top

Attach vertical tail  
base support here



Install 0.38" foam here

Install 0.38" foam strips here

Right Fuselage Side

F2

Install 0.38" foam here

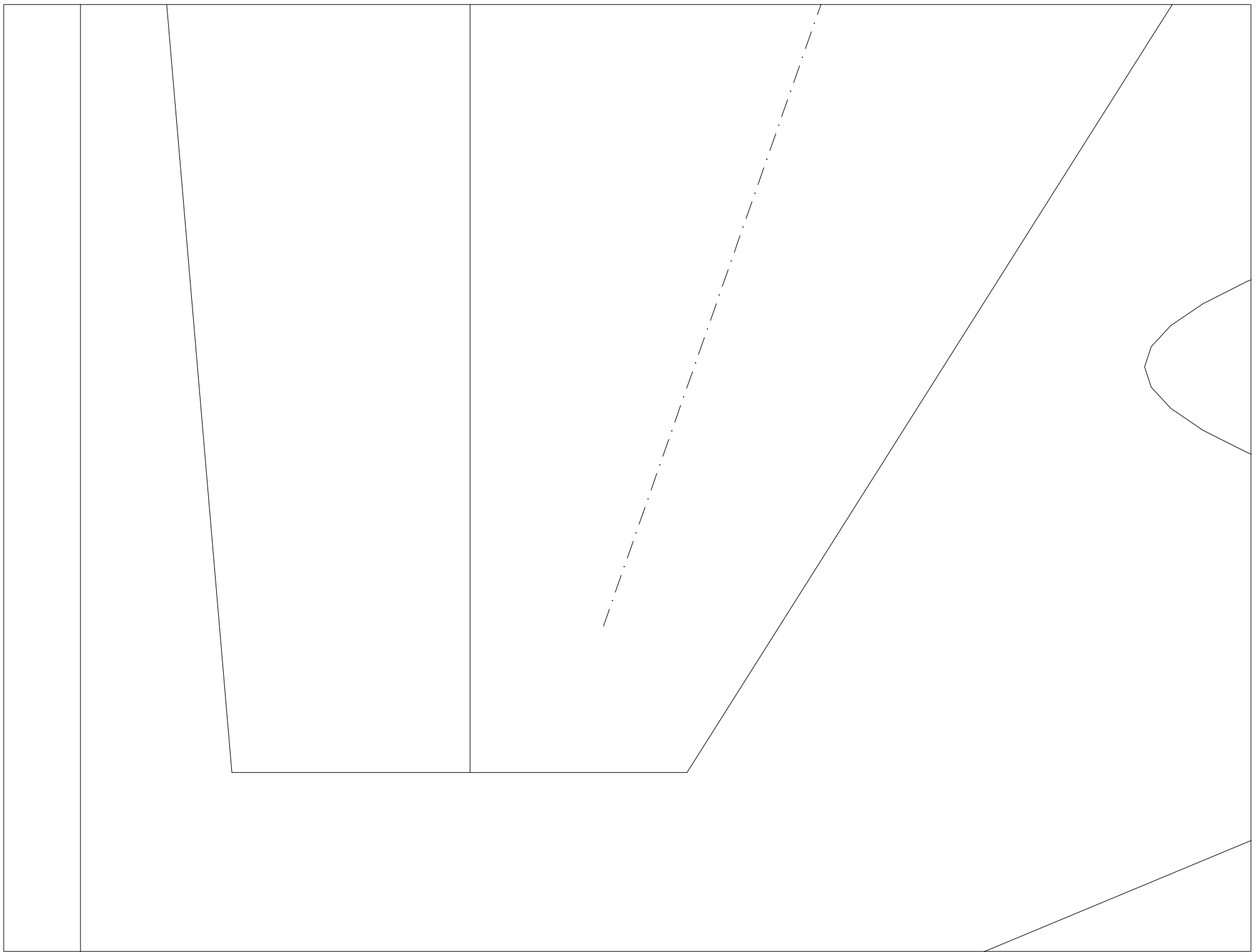
# Left Fuselage Side

F2

Install 0.38" foam here







Nosecone  
Make 9

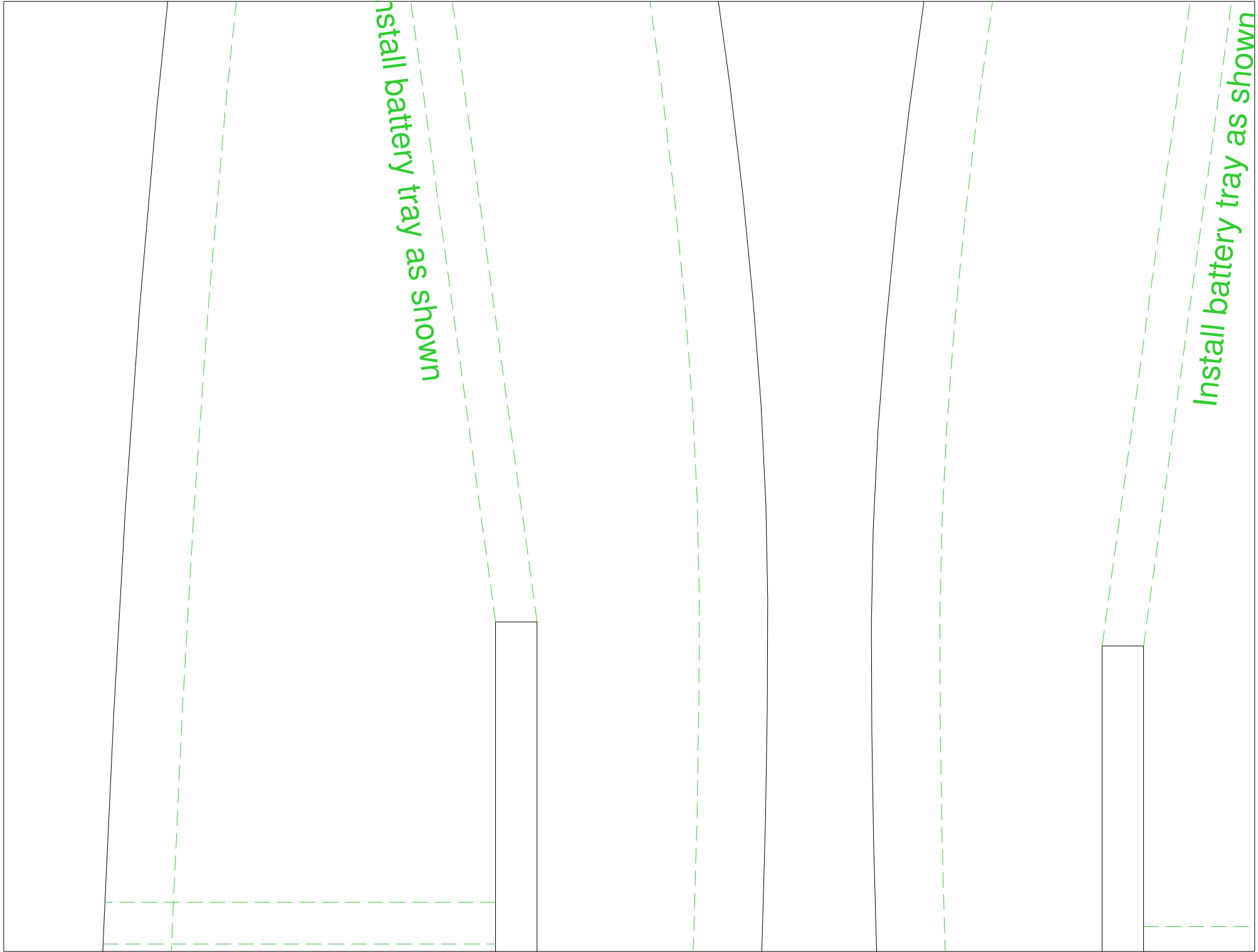
Nosecone  
top template

*1/32" ply spars (cut slot in wing with knife and install)*

all with epoxy)

28" carbon tube main spar

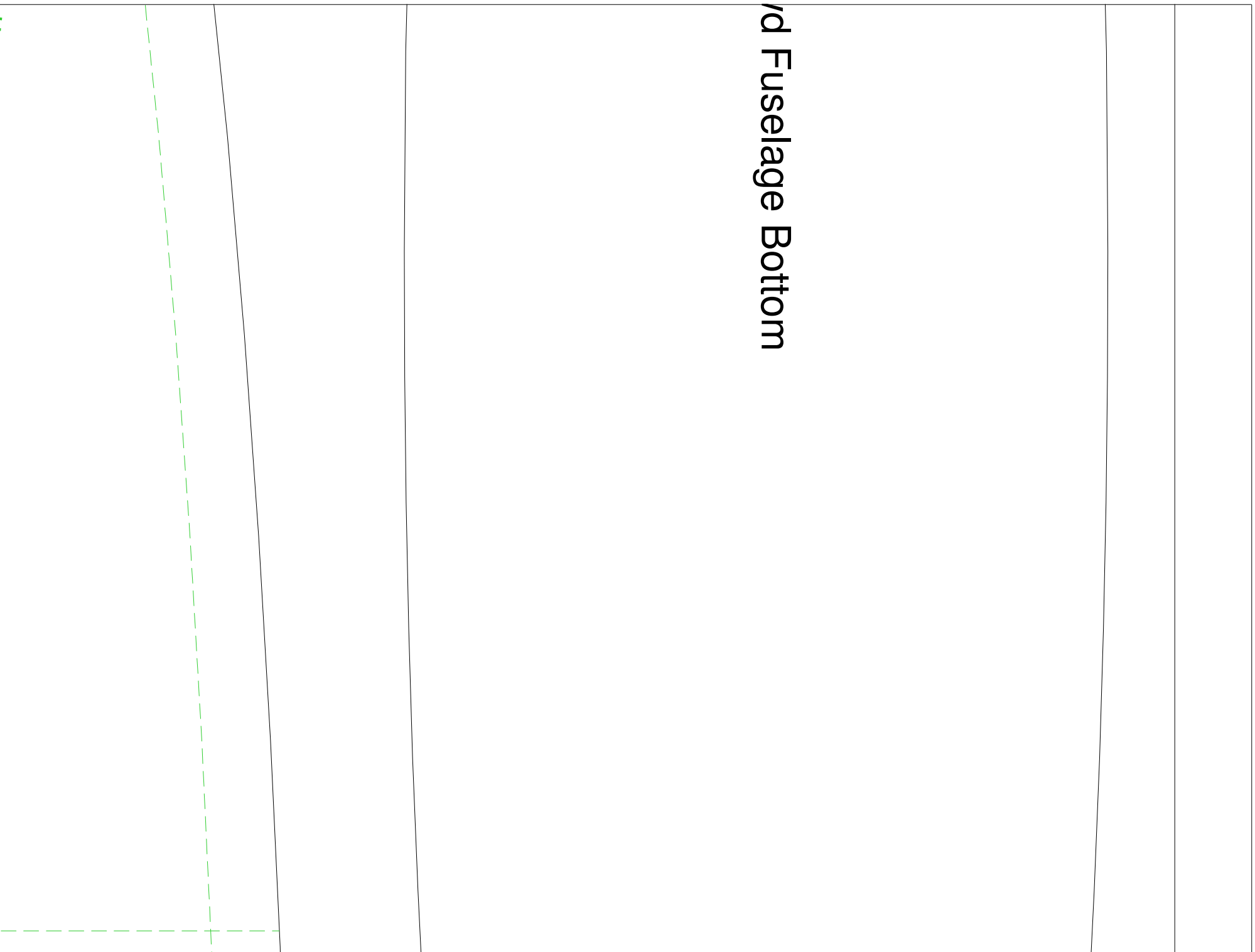
Aileron

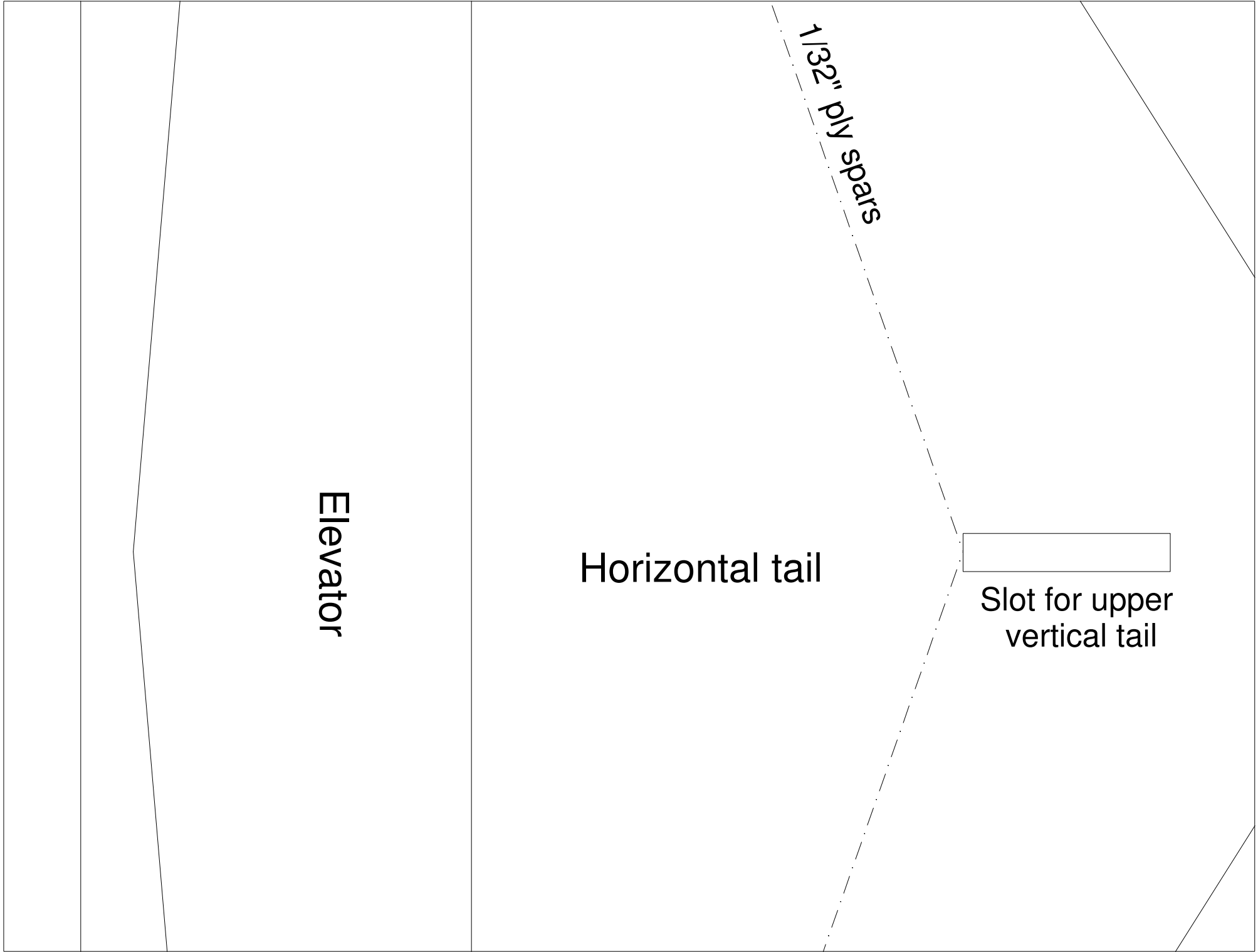


Install battery tray as shown

Install battery tray as shown

# rd Fuselage Bottom





Elevator

Horizontal tail

1/32" ply spars



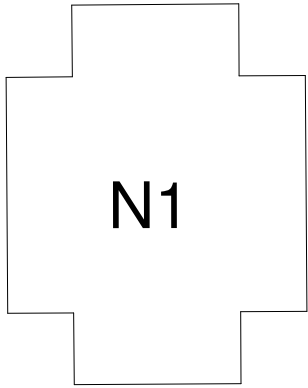
Slot for upper  
vertical tail

# Nacelle bottom

Cut angle to match  
vertical tail leading edge

Motor mount  
Make 1 from  
1/8" ply

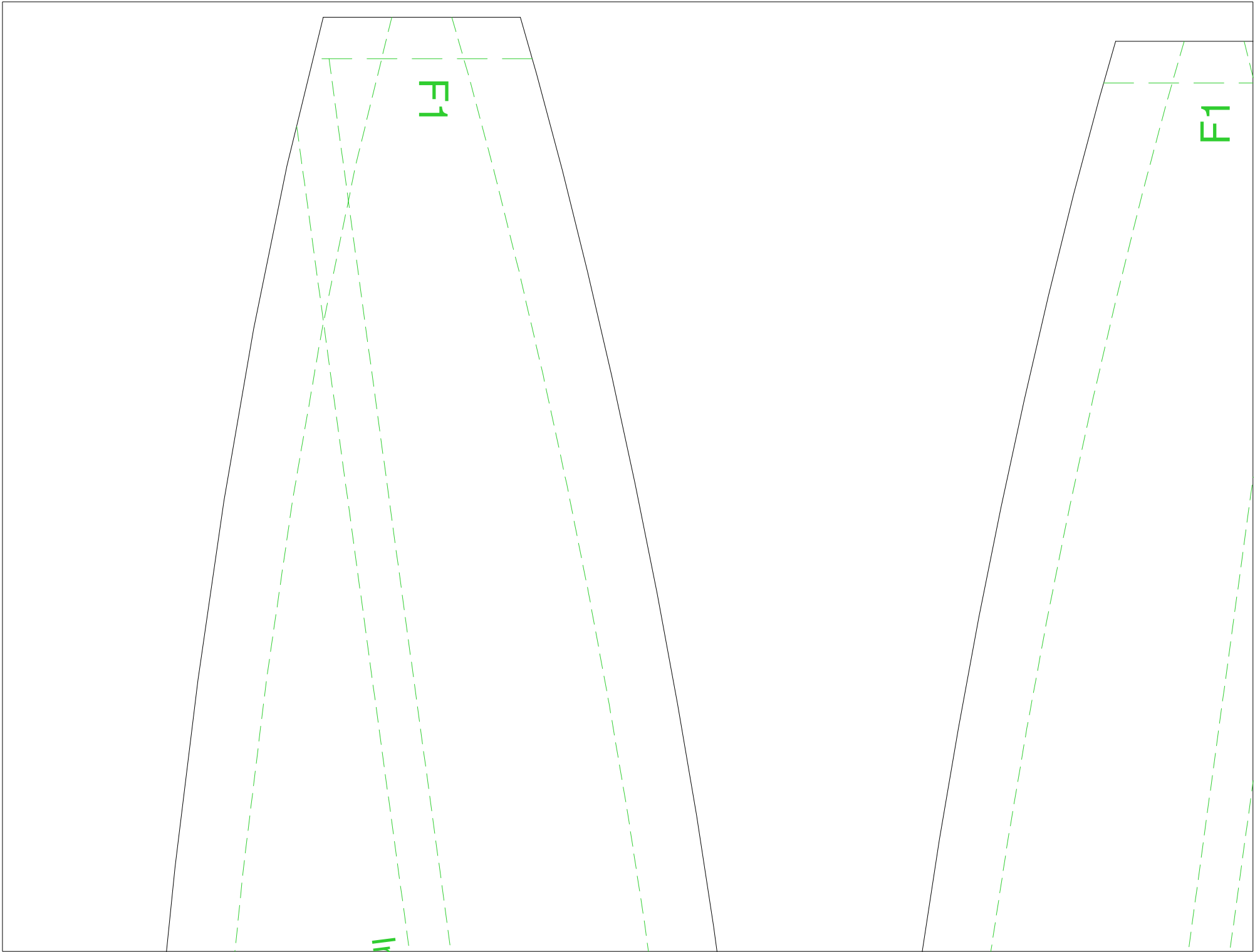


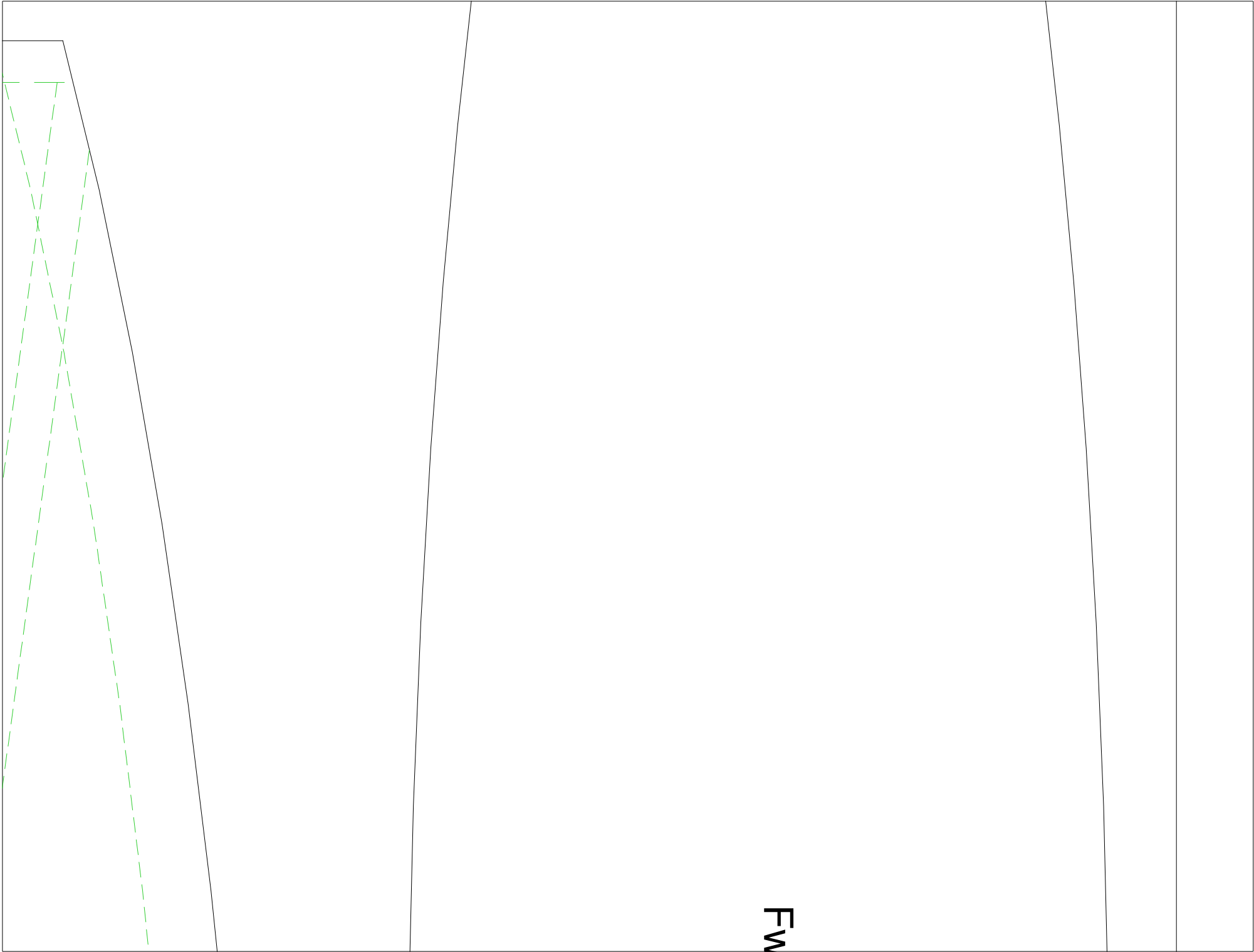


Optional splice if  
using less than full  
sheets of Depron



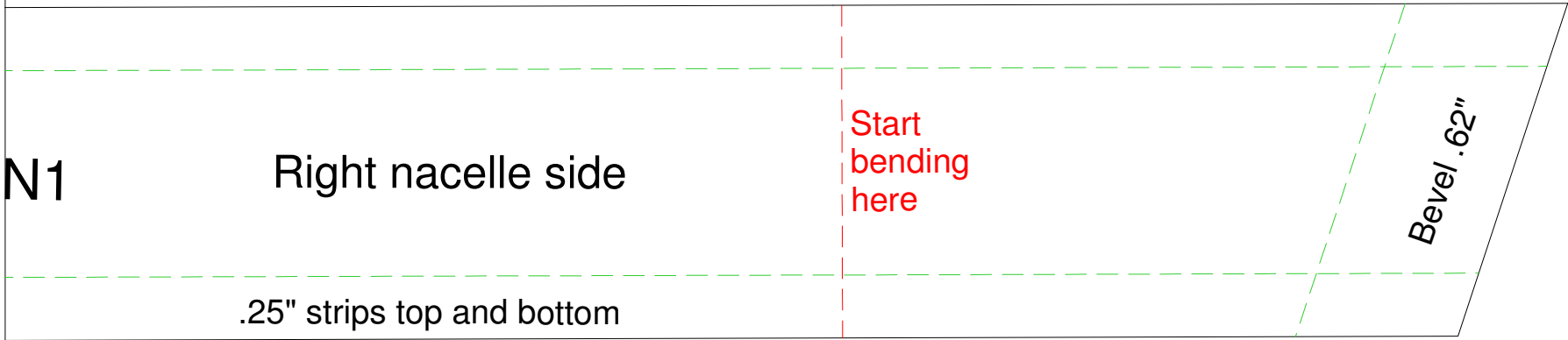
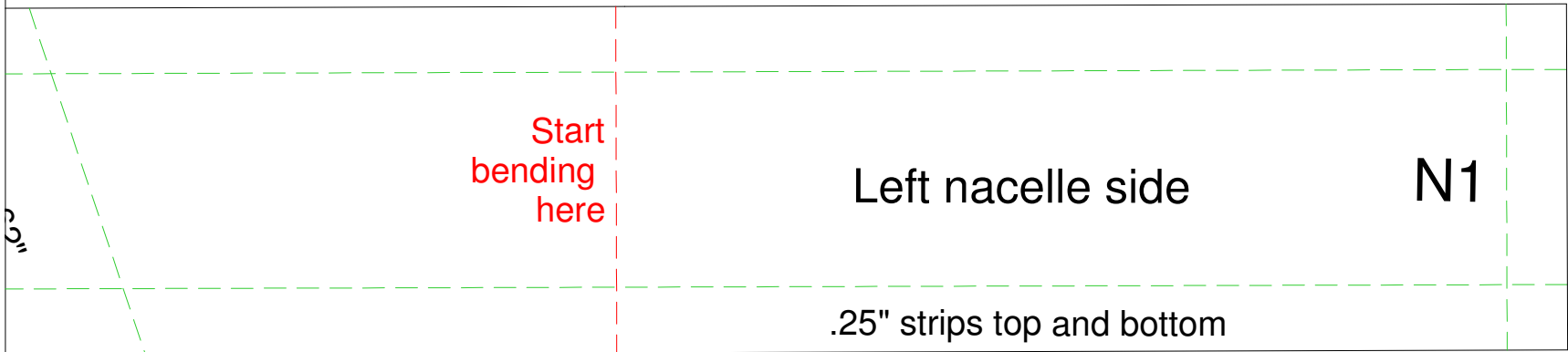


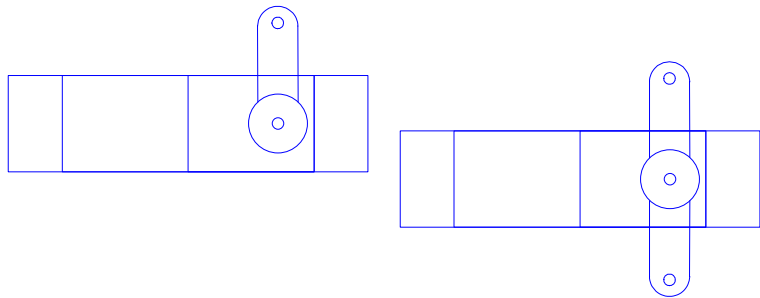




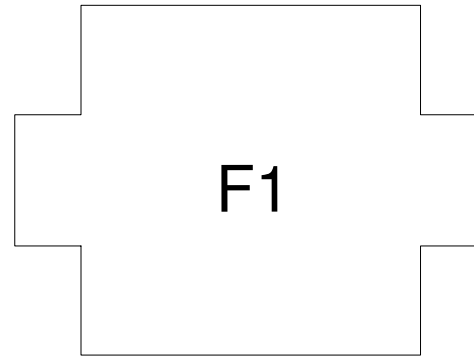


Bevel: 02

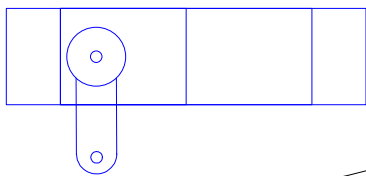




Rudder/Aileron servo tray doubler  
(cut to fit servos used)



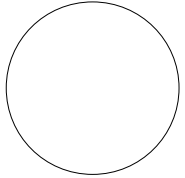
3/8"



Elevator servo tray doubler  
(cut to fit servo used)  
(note servo is slightly off center)

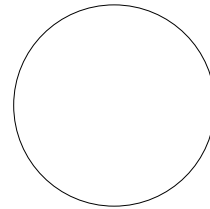


F3



strip on aft side

F2







Motor Battery Tray

