

Important - please read

As the Silent Mite has a built up fuselage, & because of the way it is assembled - the order of assembly is very important, if done in the wrong order you may end up with a model that you cannot finish building. For more details on the construction order & methods used, please see the build guide PDF.

Notes:

The wing can be made from 5mm sheet if you wish - I didn't have enough myself at the time of designing/building so I used 8mm as that's what I had. If you do elect to use 5mm instead you will obviously need to adjust the thickness of the wing cut out in the fuselage sides accordingly.

Templates:

This set of plans have been sized so that they should print out correctly at 100% on both A4 & Letter sized paper. Dotted Cutlines have been marked on the templates to help you join up the split parts.

Materials/Cut List

3mm EPP Sheet
1x Main Fuz Skin
2x Nose Doubler

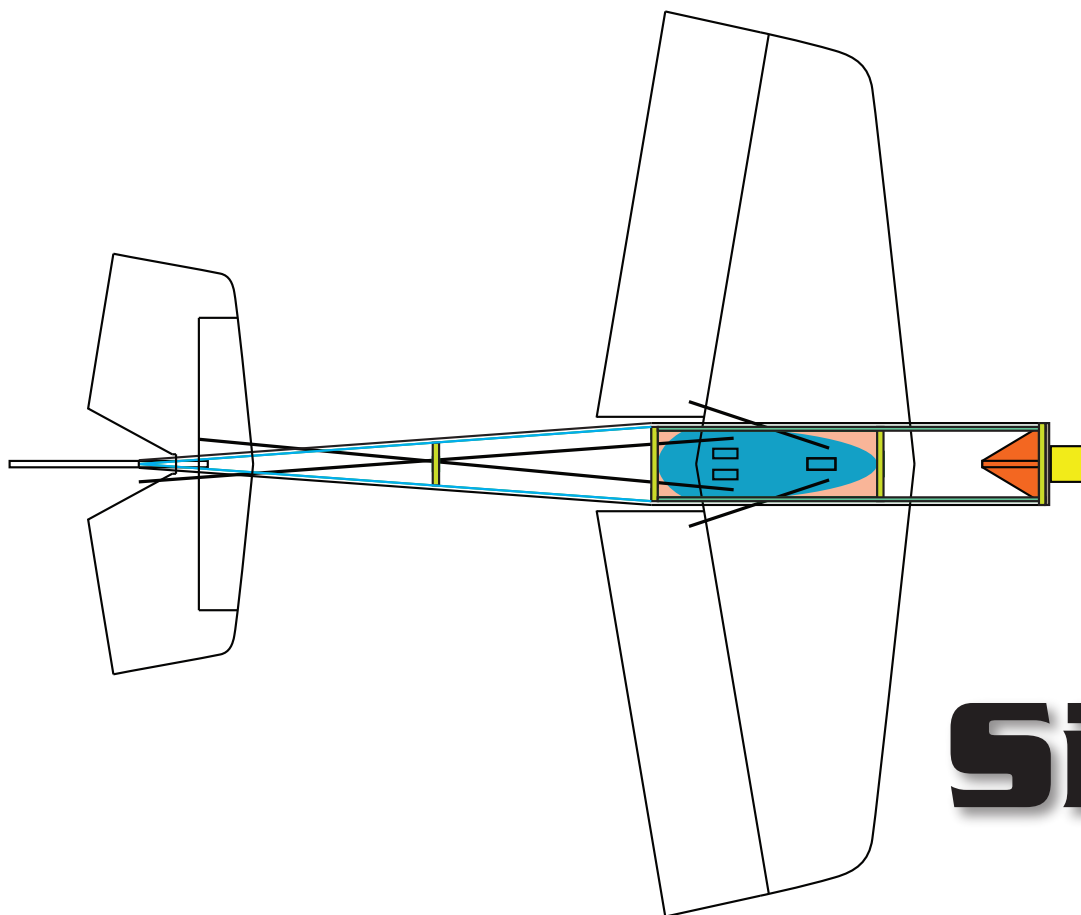
5mm EPP Sheet
1x Elevator
1x Rudder
1x Mid Keel
1x Bottom Keel
1x F2, Inner nose Former
1x F3, Forward Canopy Former
1x F4, Rear Canopy Former
1x F5, Rear Former
Nose strengtheners - 4 pieces

8mm EPP Sheet
1x Wing
2x Aileron - 85mm strip cut to length

3mm Lite Ply
1x F1, Outer Nose Former

2x 3mm x 0.8mm Carbon strip (1m)
2x 1.5mm Carbon rod (1m)

UHU POR used for all foam to foam joints



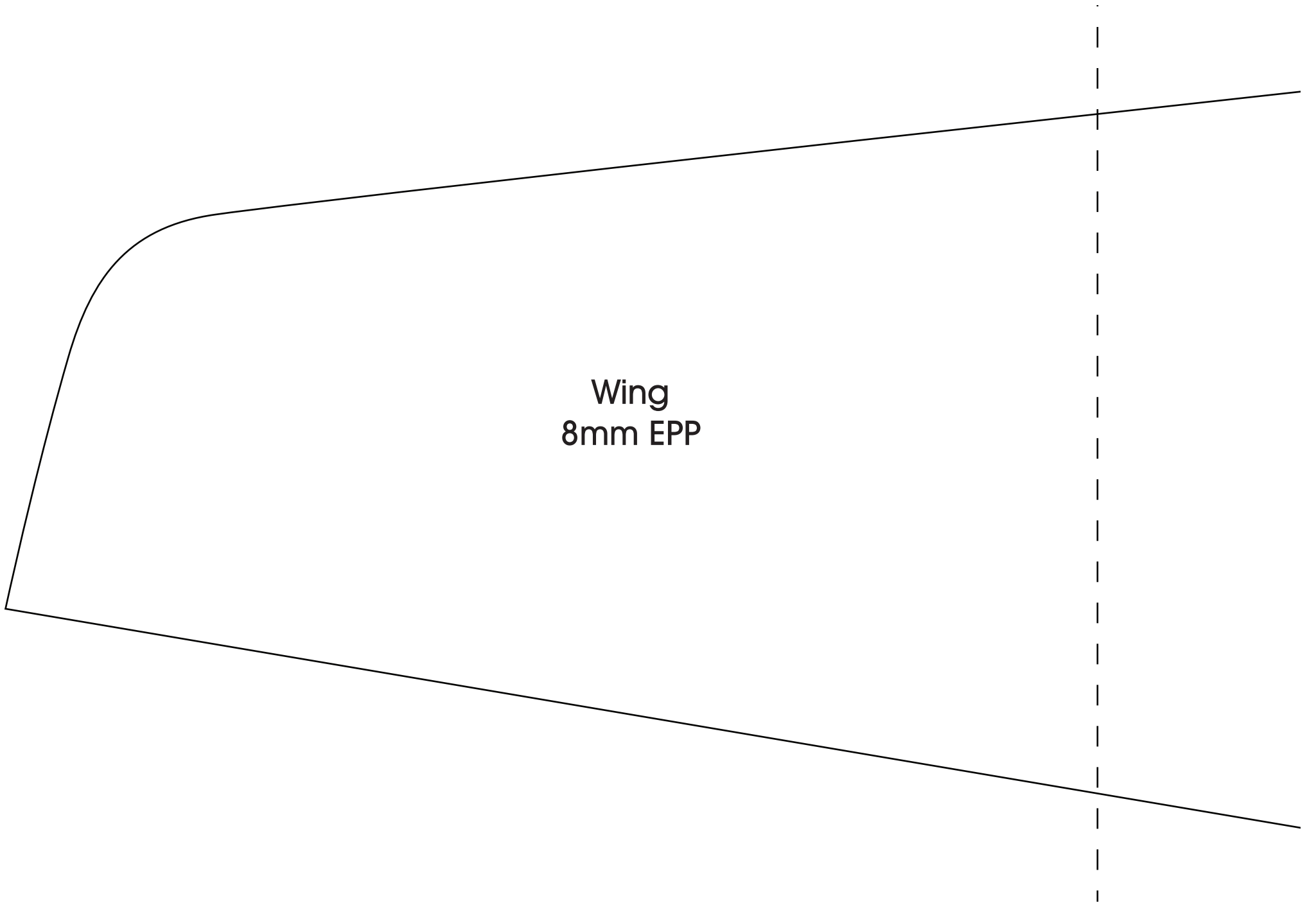
Silent Mite

Full Plan

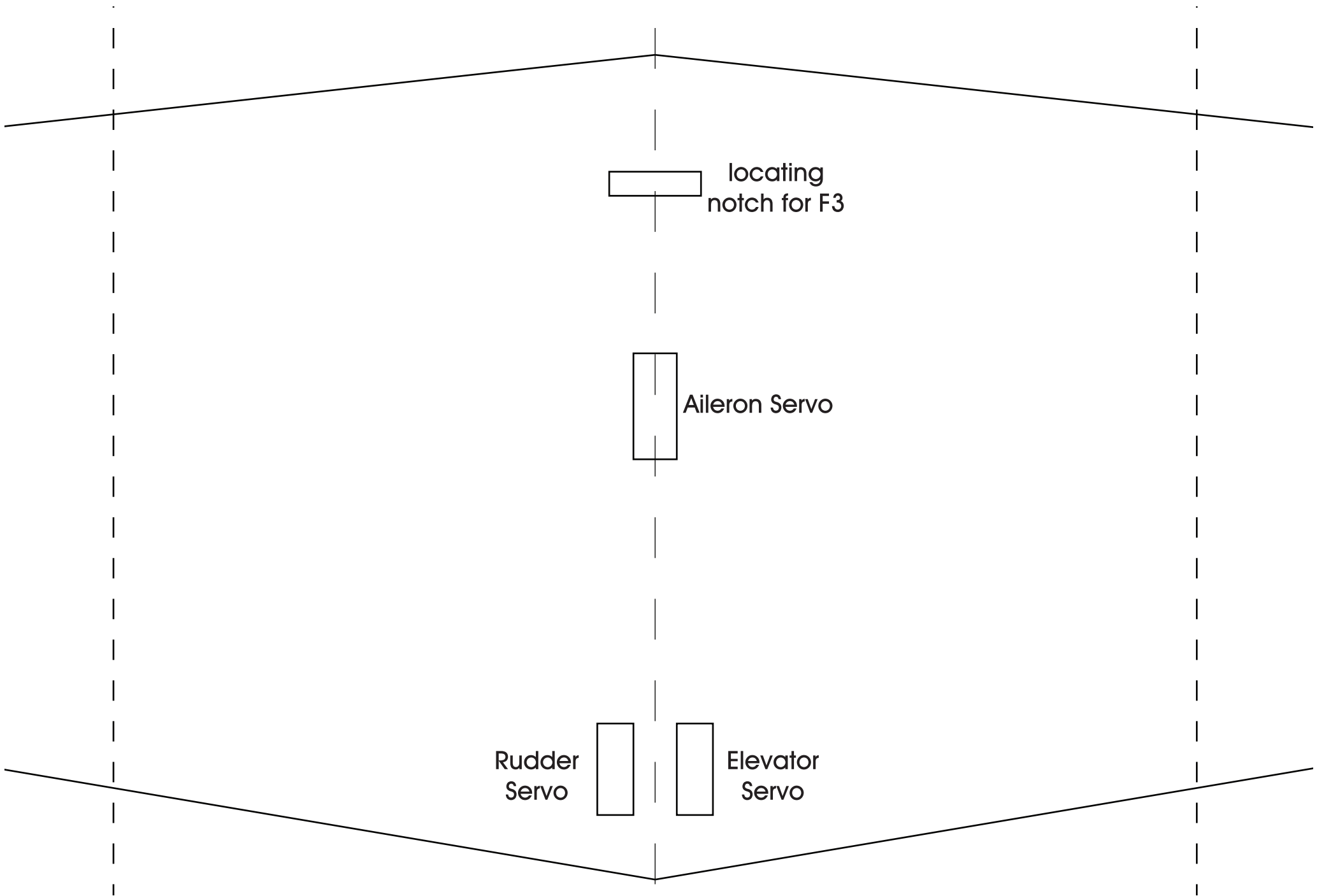
Full Fuz EPP Pattern/3D Hybrid

Wingspan: 28"
Length: 32.8"
AUW: ~6-7oz
Power: 60-80W

Designed December 2006 by Tom Girling
(AKA Soundman on RC Groups)



Wing
8mm EPP

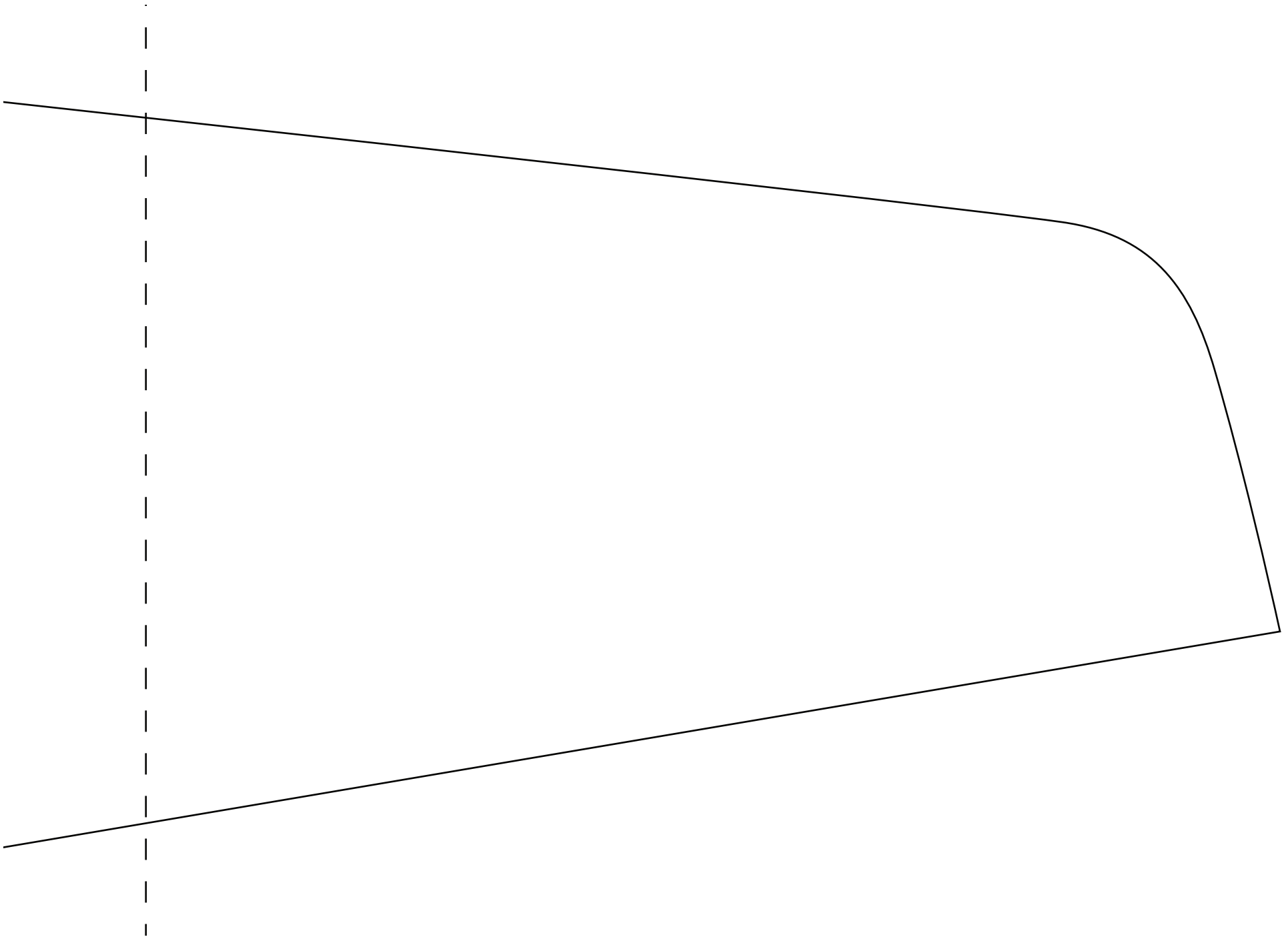


locating
notch for F3

Aileron Servo

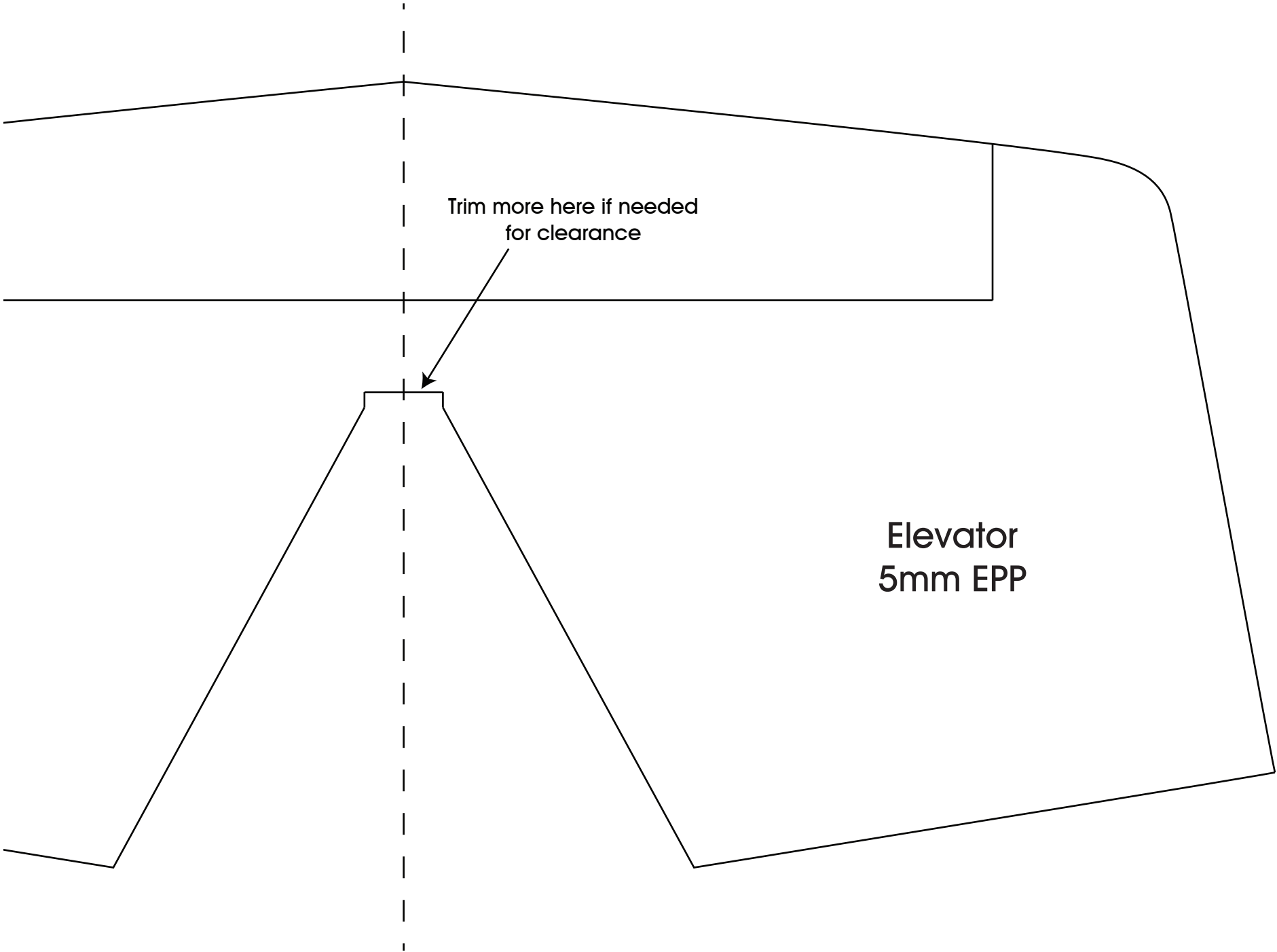
Rudder
Servo

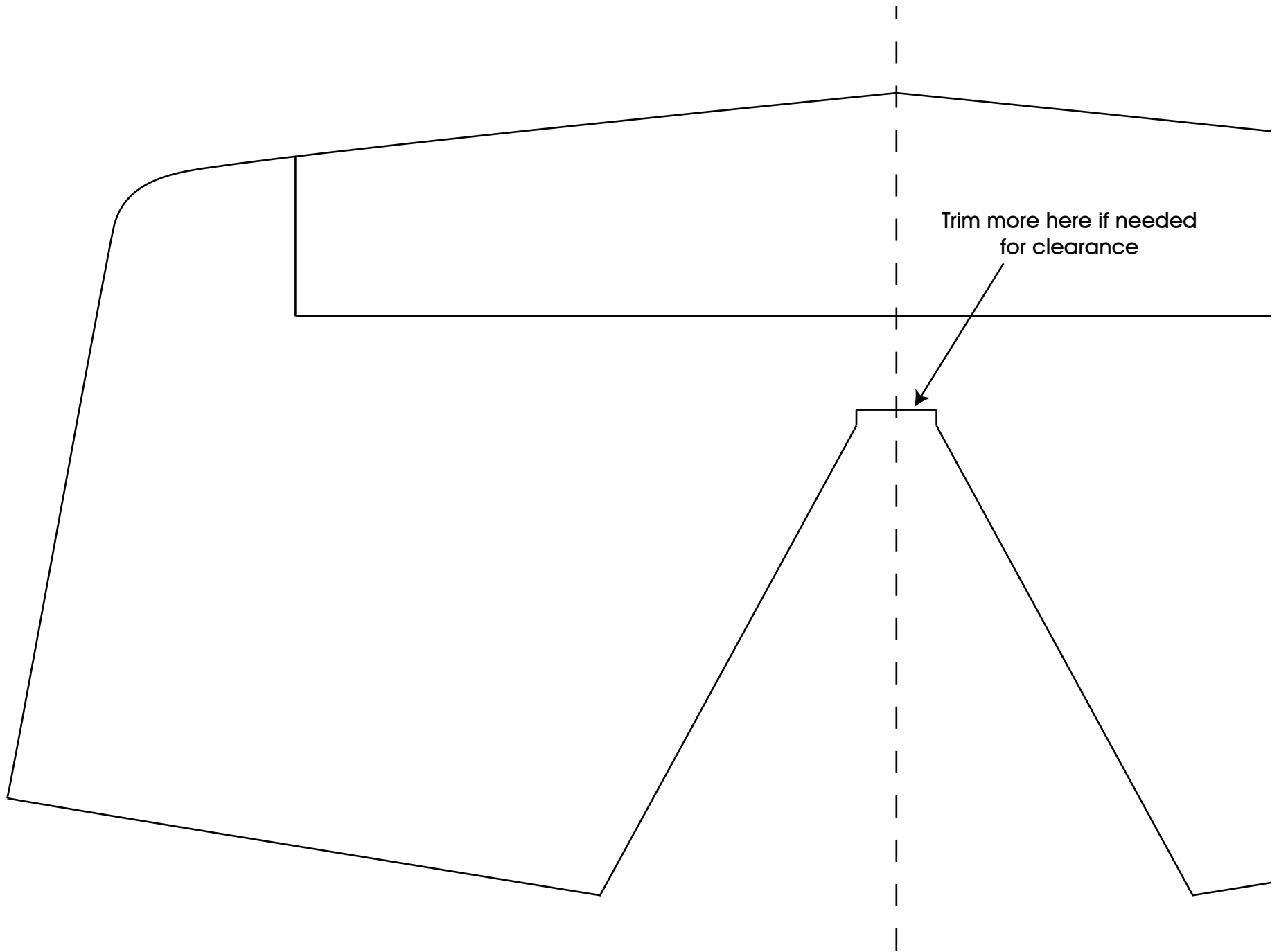
Elevator
Servo

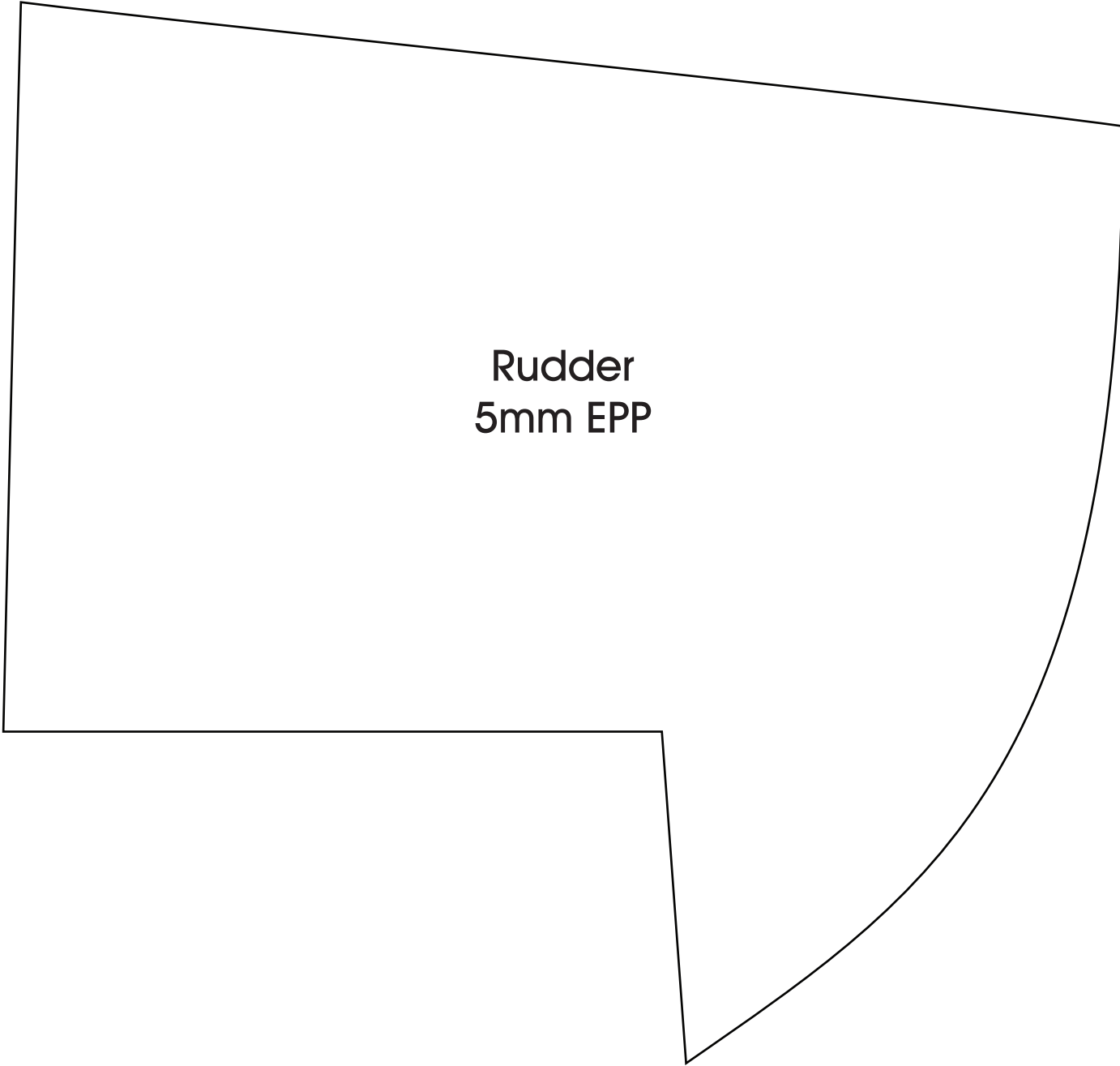


Trim more here if needed
for clearance

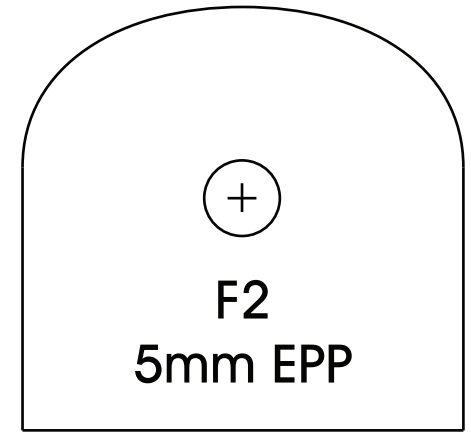
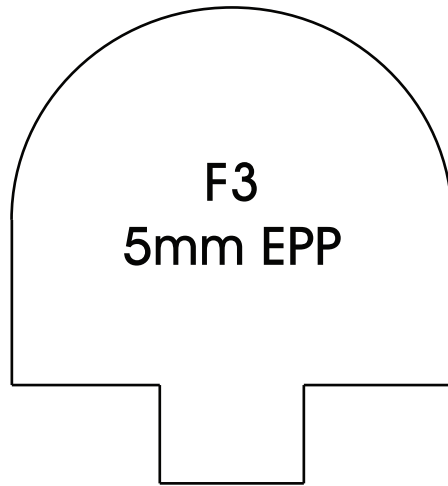
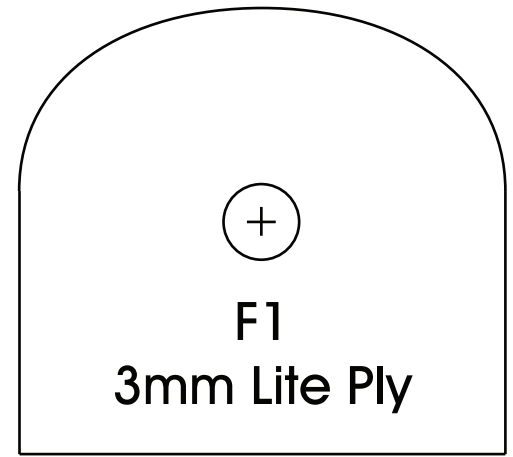
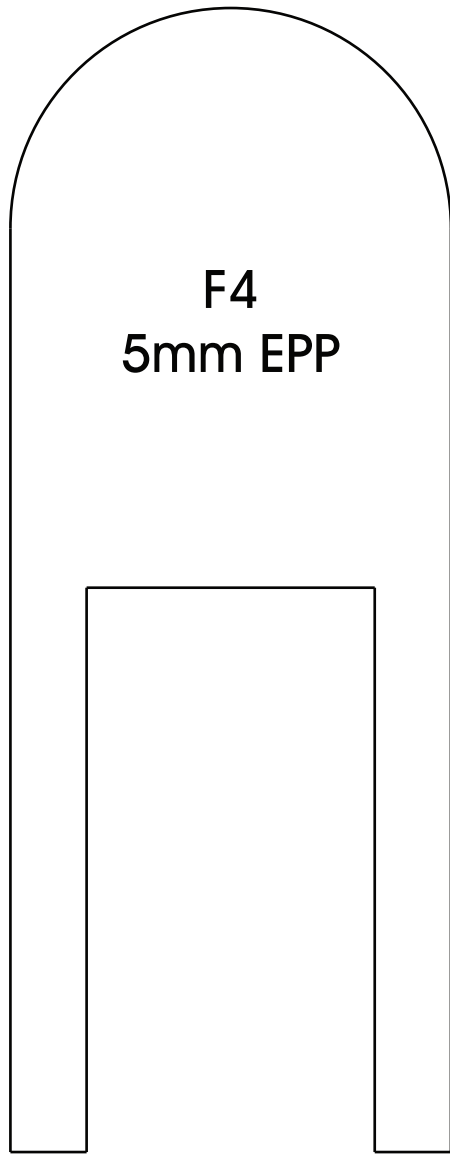
Elevator
5mm EPP

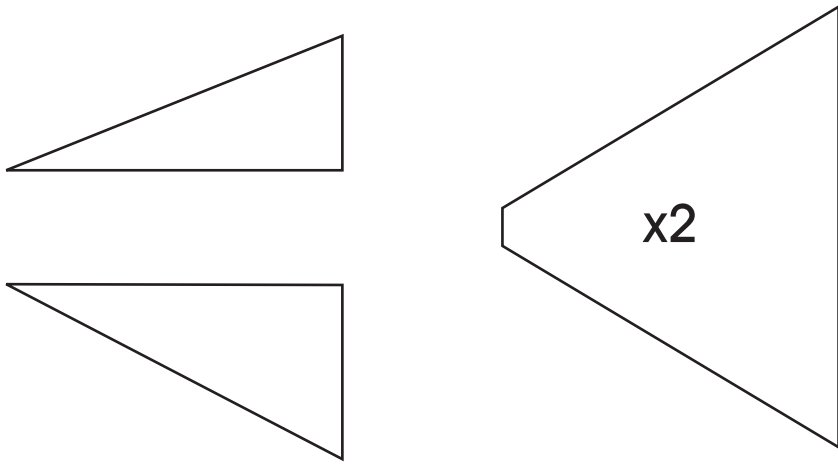




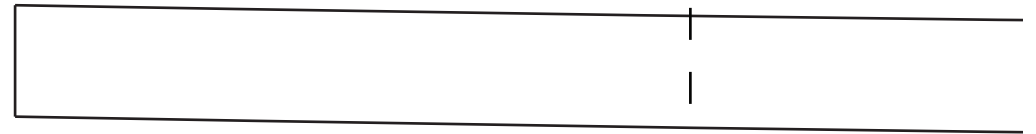


Rudder
5mm EPP

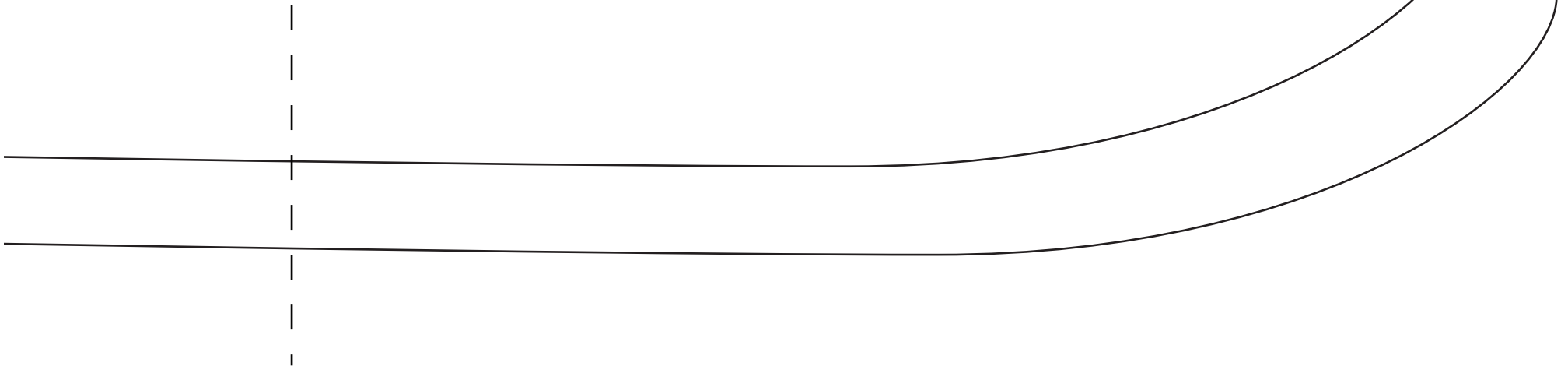


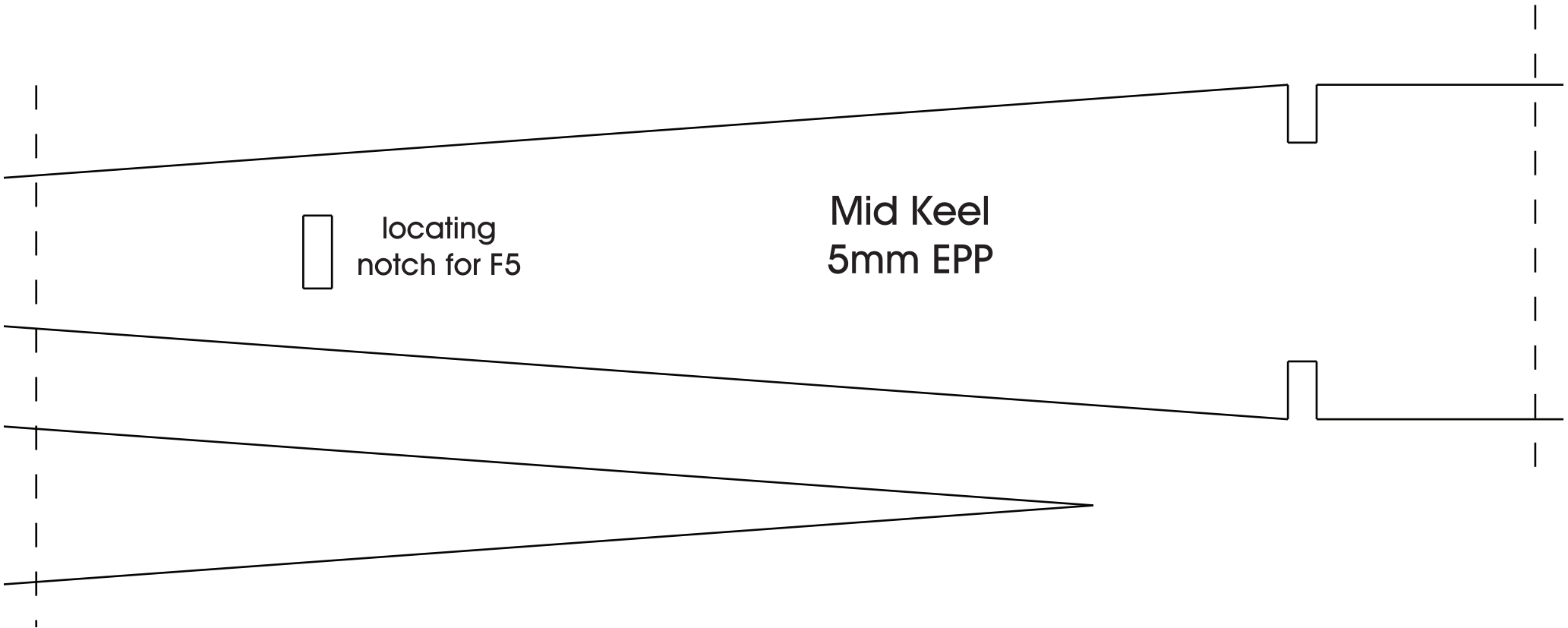
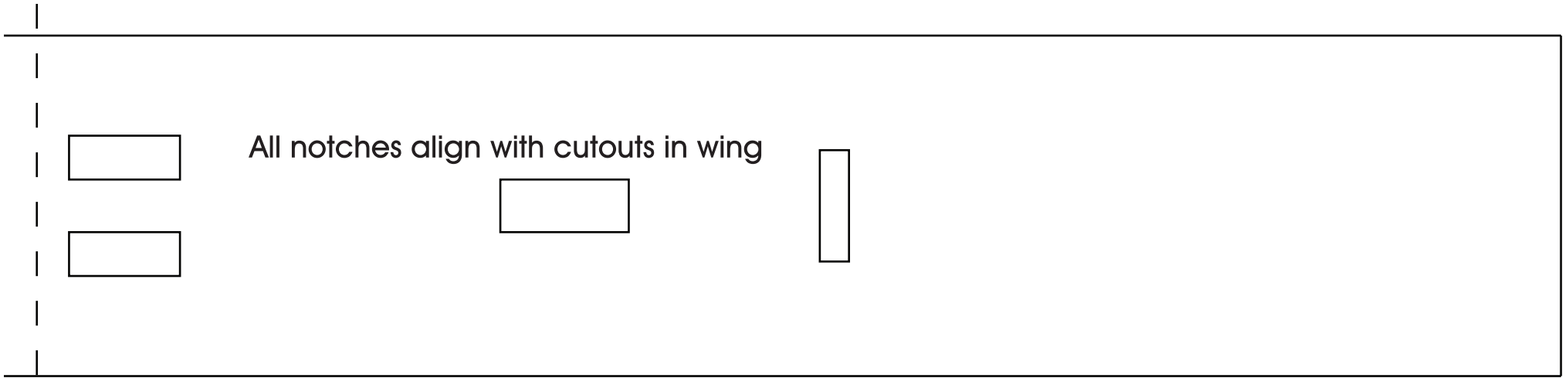


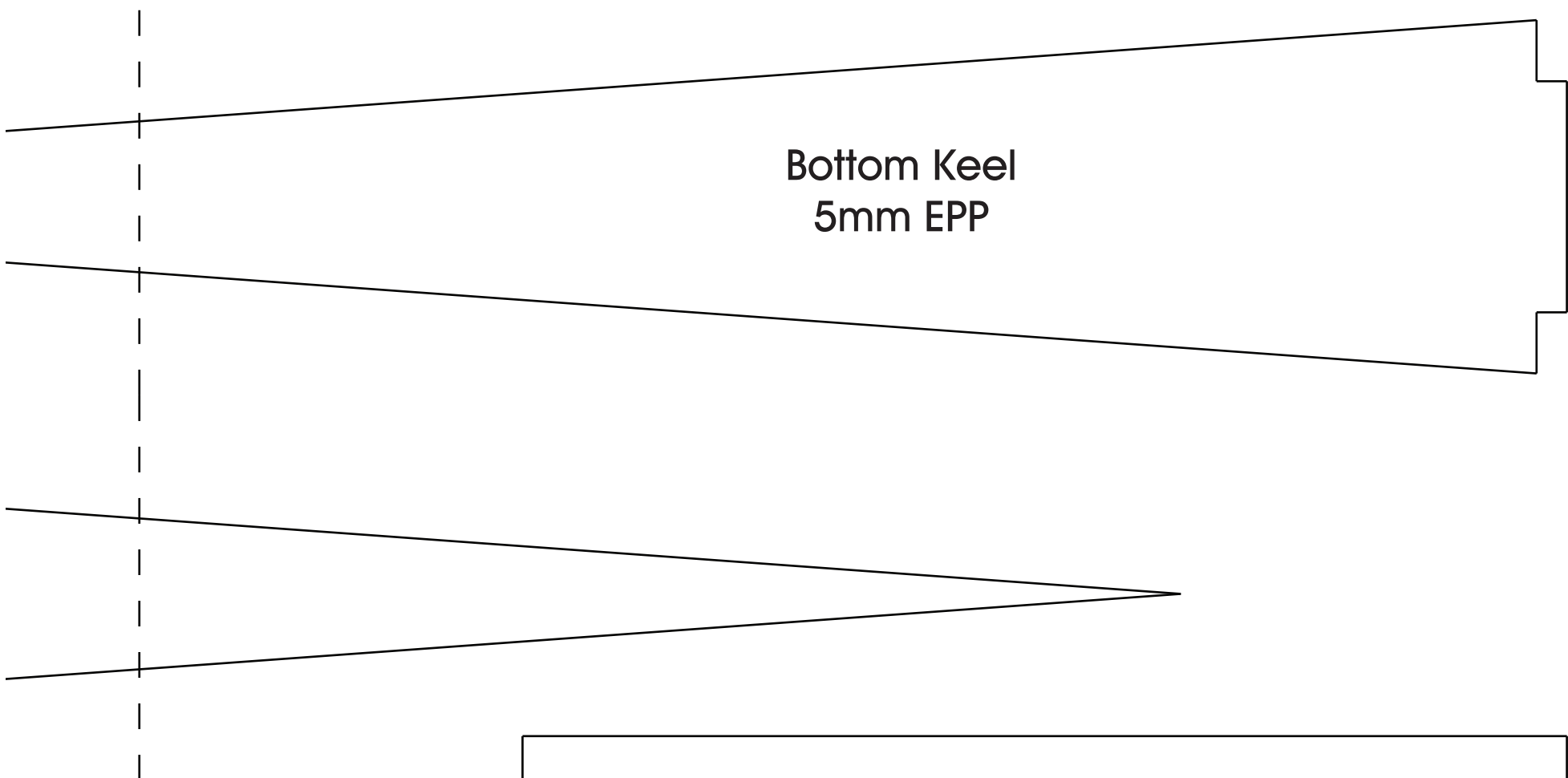
Nose Firewall
strengtheners
5mm EPP



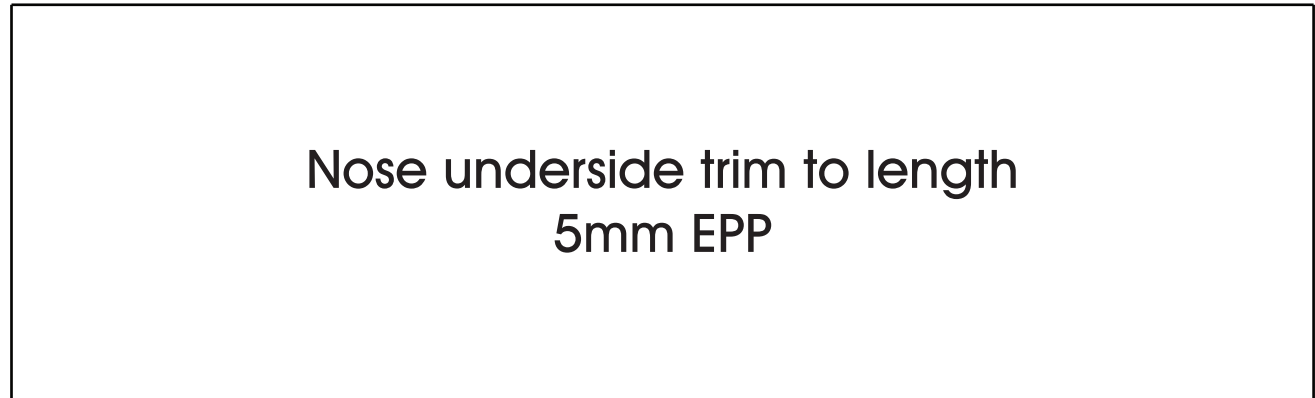
Nose Doubler
2x 3mm EPP







Bottom Keel
5mm EPP



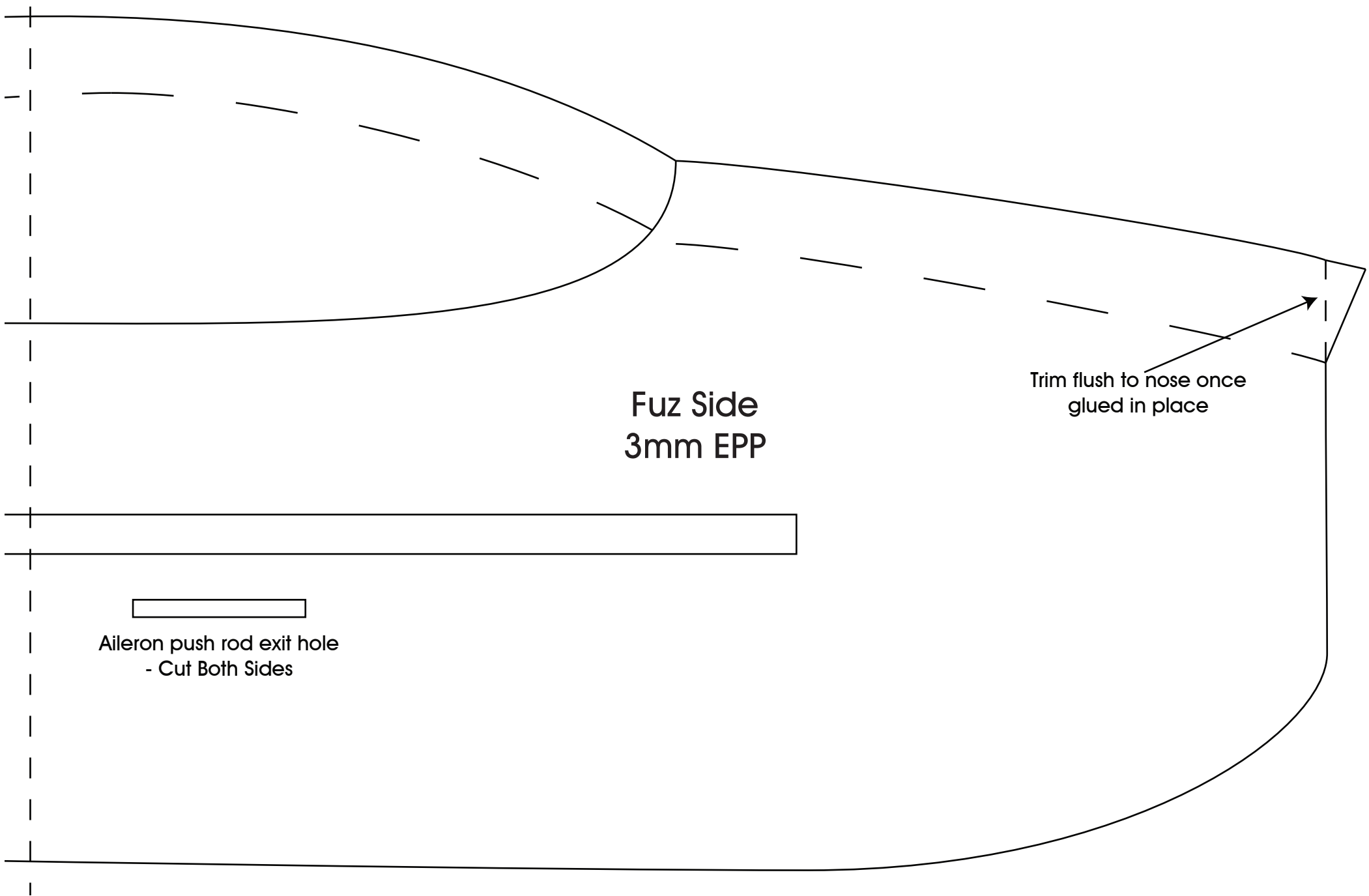
Nose underside trim to length
5mm EPP



Battery Platform
5mm EPP

You may wish to install some small 5mm EPP supports for the battery platform. Glued to the Fuz inside, these join the wing underside/mid keel to the battery platform.

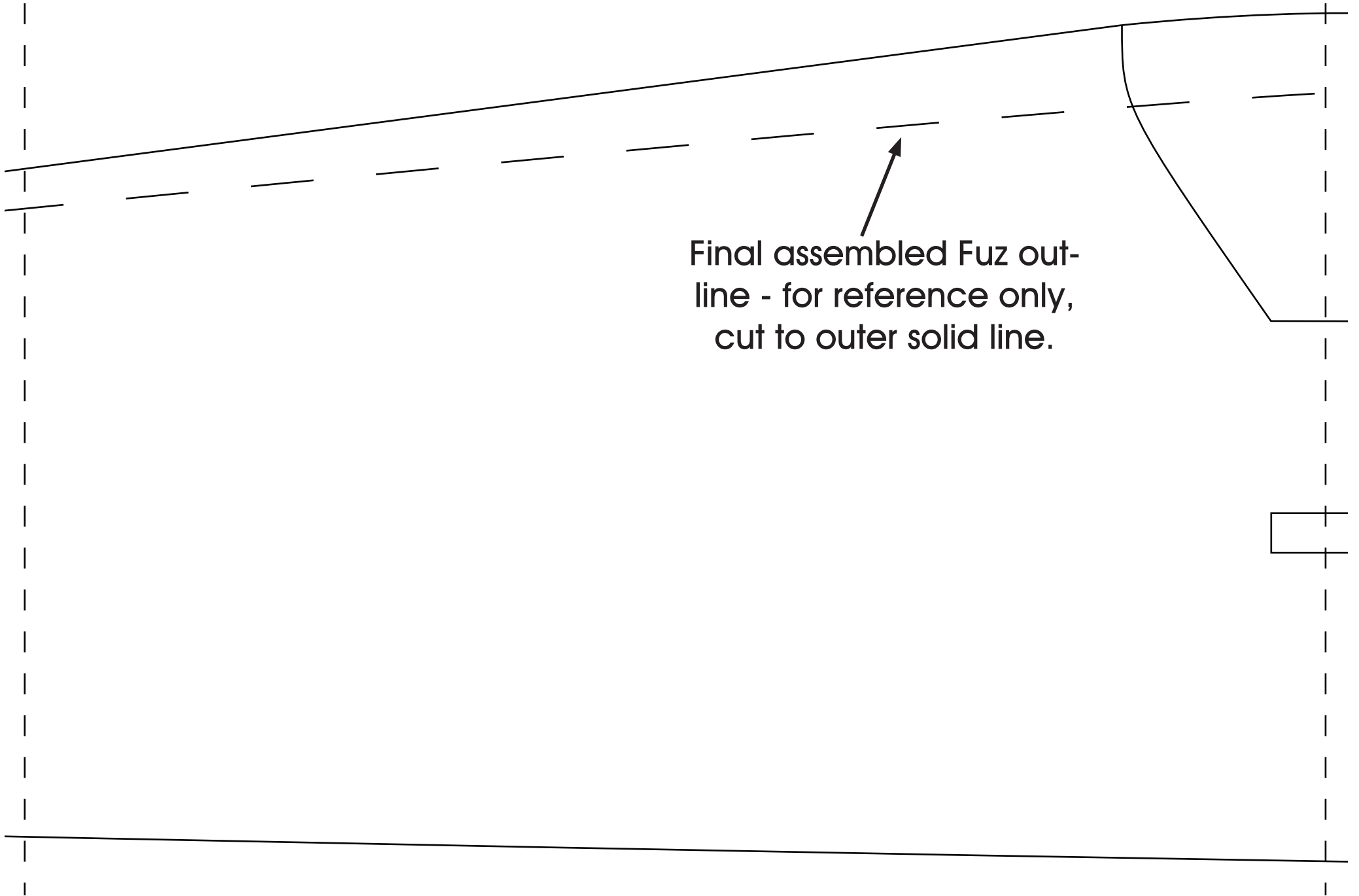
The battery platform itself is intended to be attached on top of the nose doublers (upper edge), giving a good flat area for the battery to be attached to on the underside of the plane with velcro.



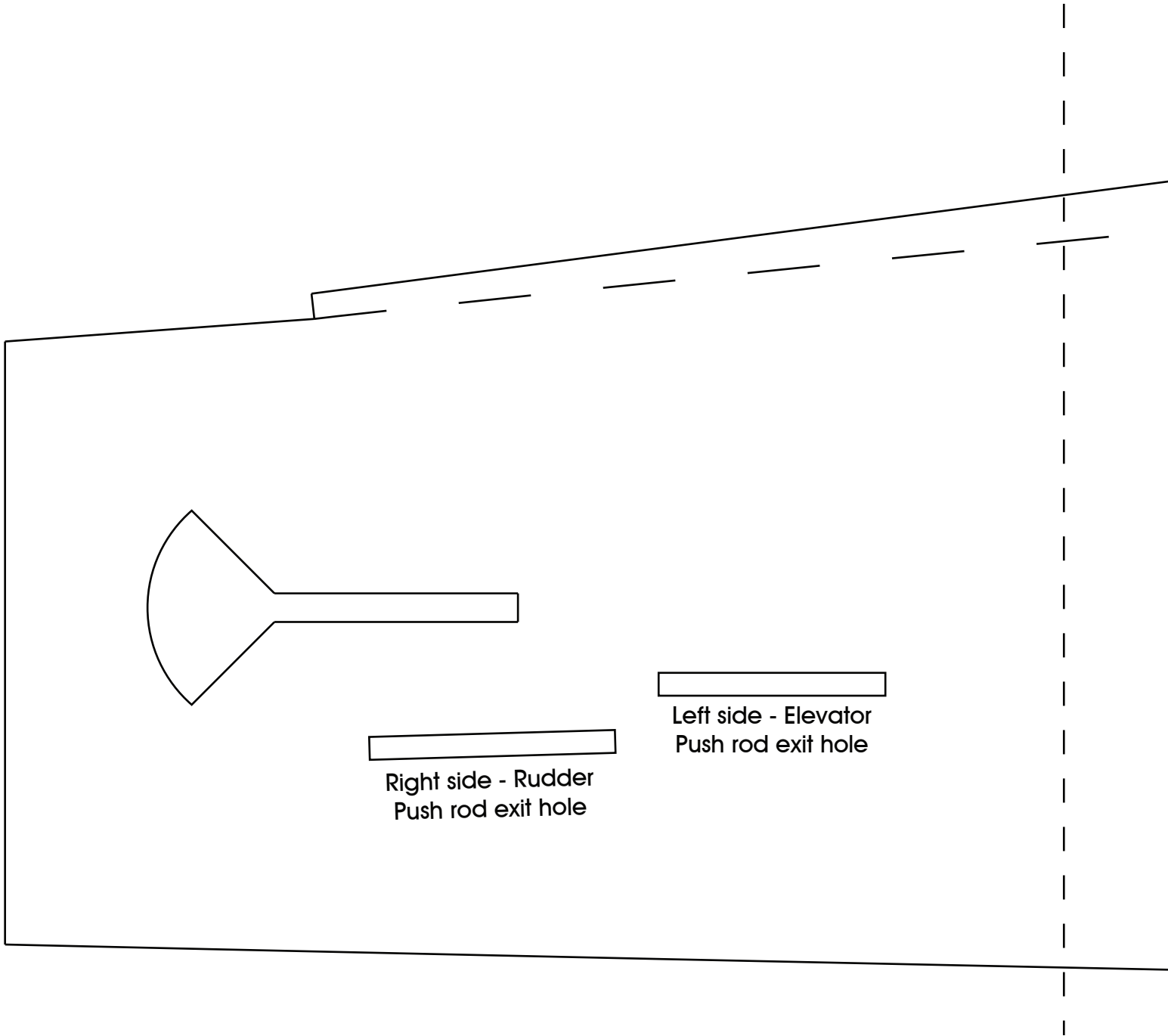
Fuz Side
3mm EPP

Trim flush to nose once
glued in place

Aileron push rod exit hole
- Cut Both Sides

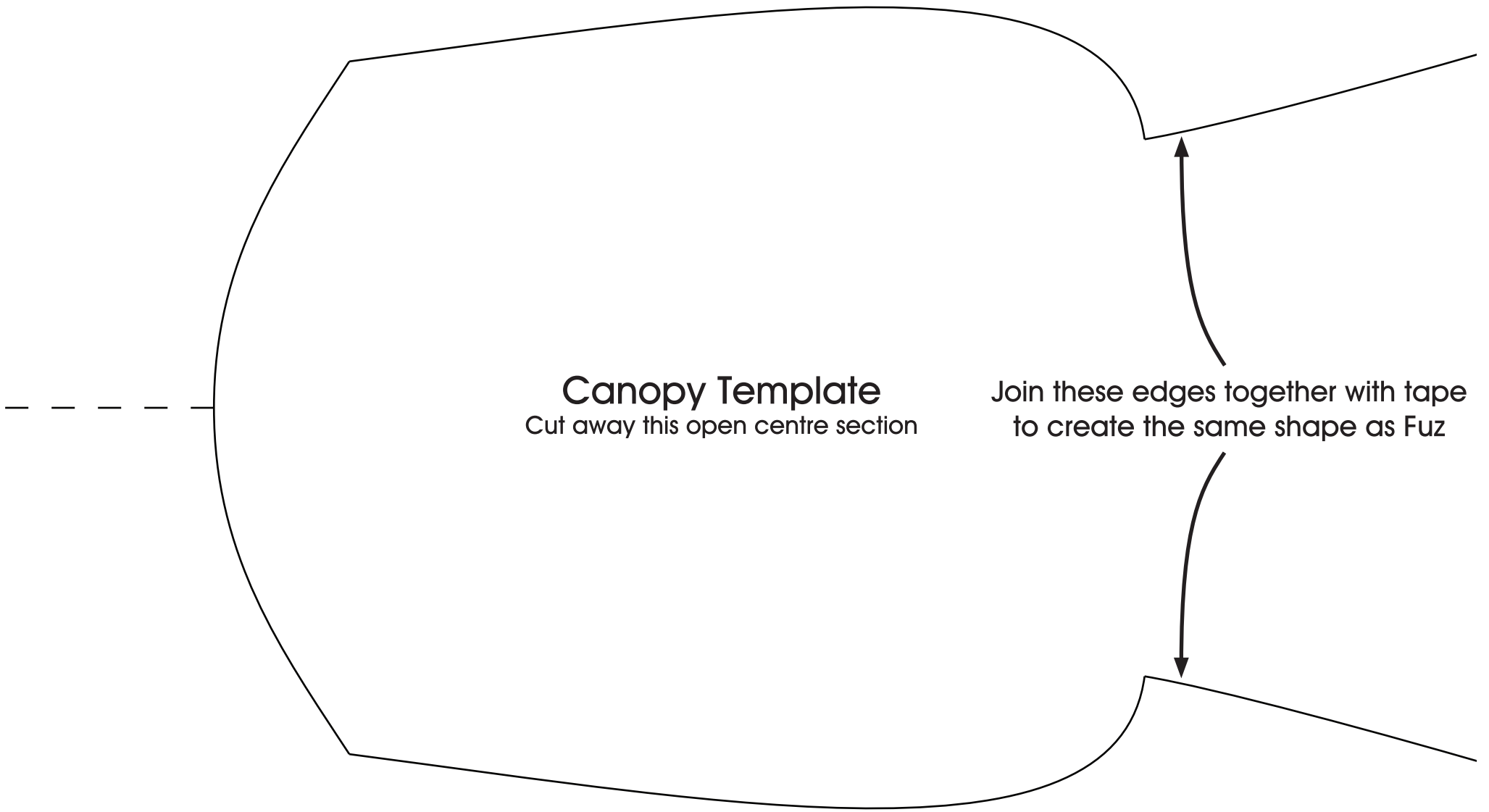


Final assembled Fuz out-
line - for reference only,
cut to outer solid line.



Right side - Rudder
Push rod exit hole

Left side - Elevator
Push rod exit hole



Canopy Template
Cut away this open centre section

Join these edges together with tape
to create the same shape as Fuz