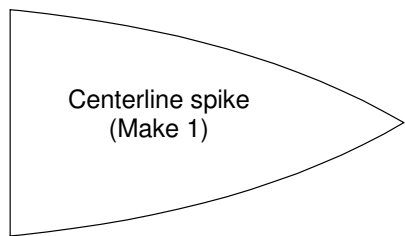
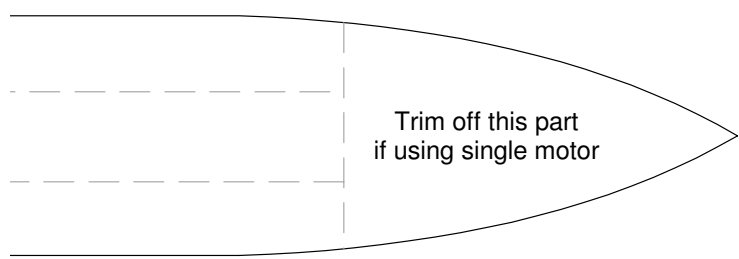


Aft fuselage spine--bottom
(Make 1)



rk Jet

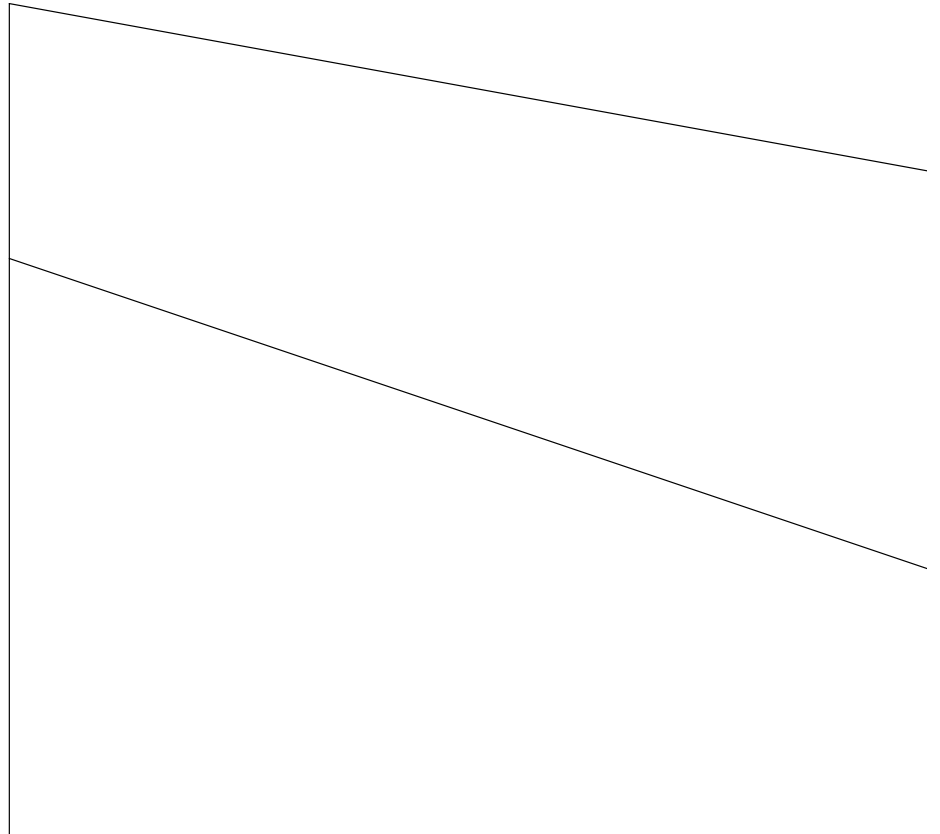
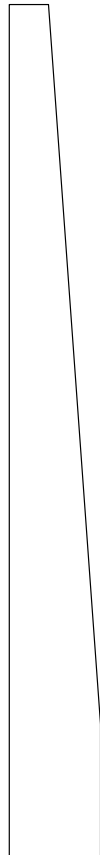
nate

erved

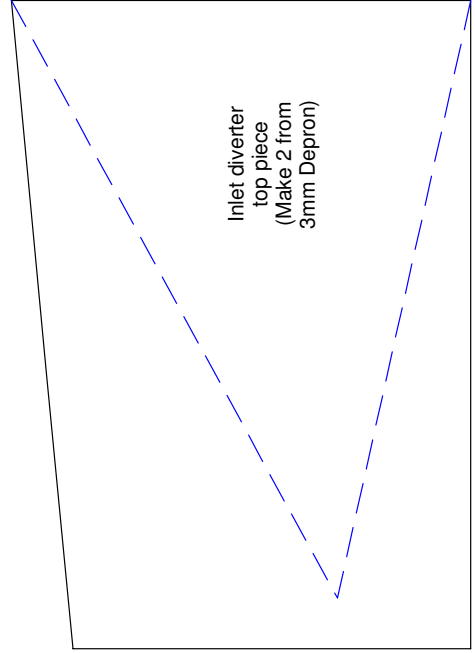
ueCore

d

2 from 1/4" x 3/8" balsa)

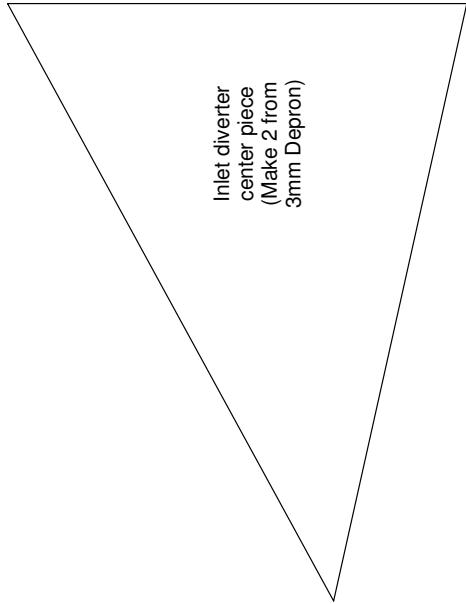


Internal inlet top
(Make 2)

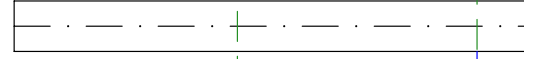


Inlet diverter
top piece
(Make 2 from
3mm Depron)

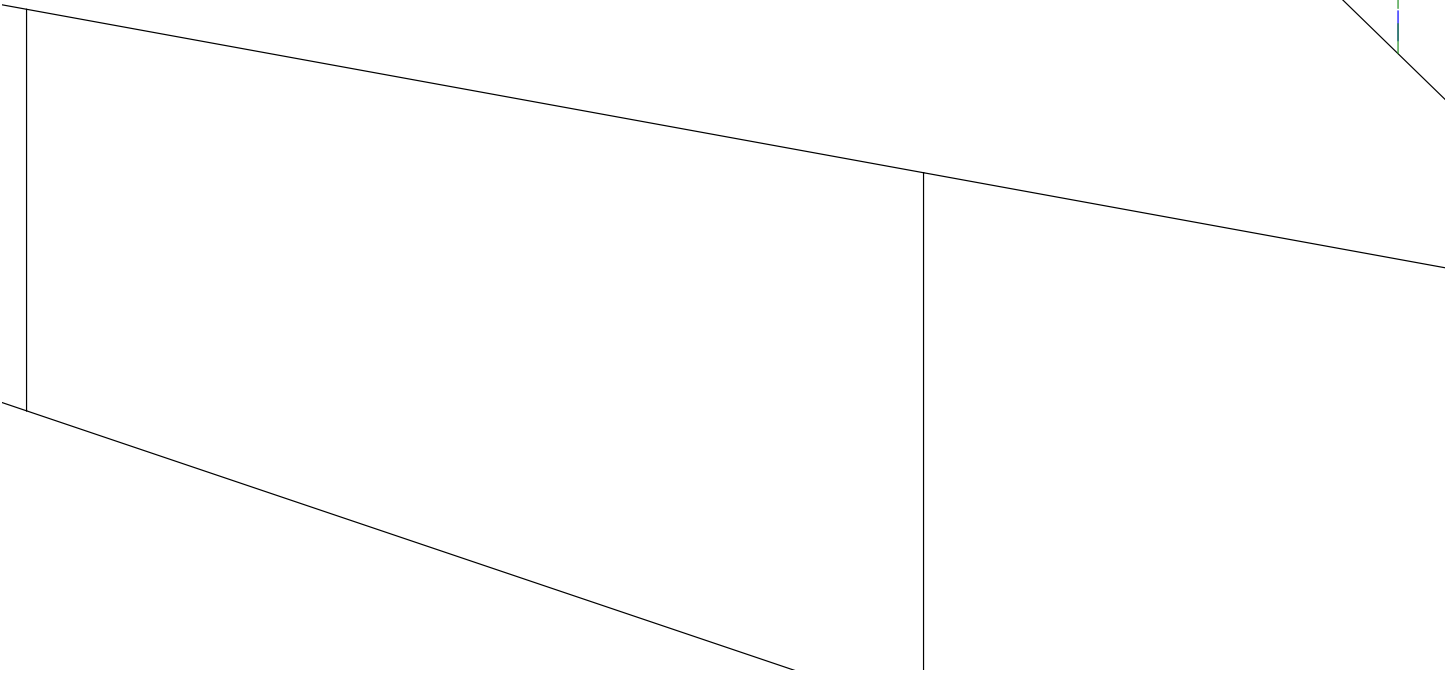
Stabilators (Make 2)

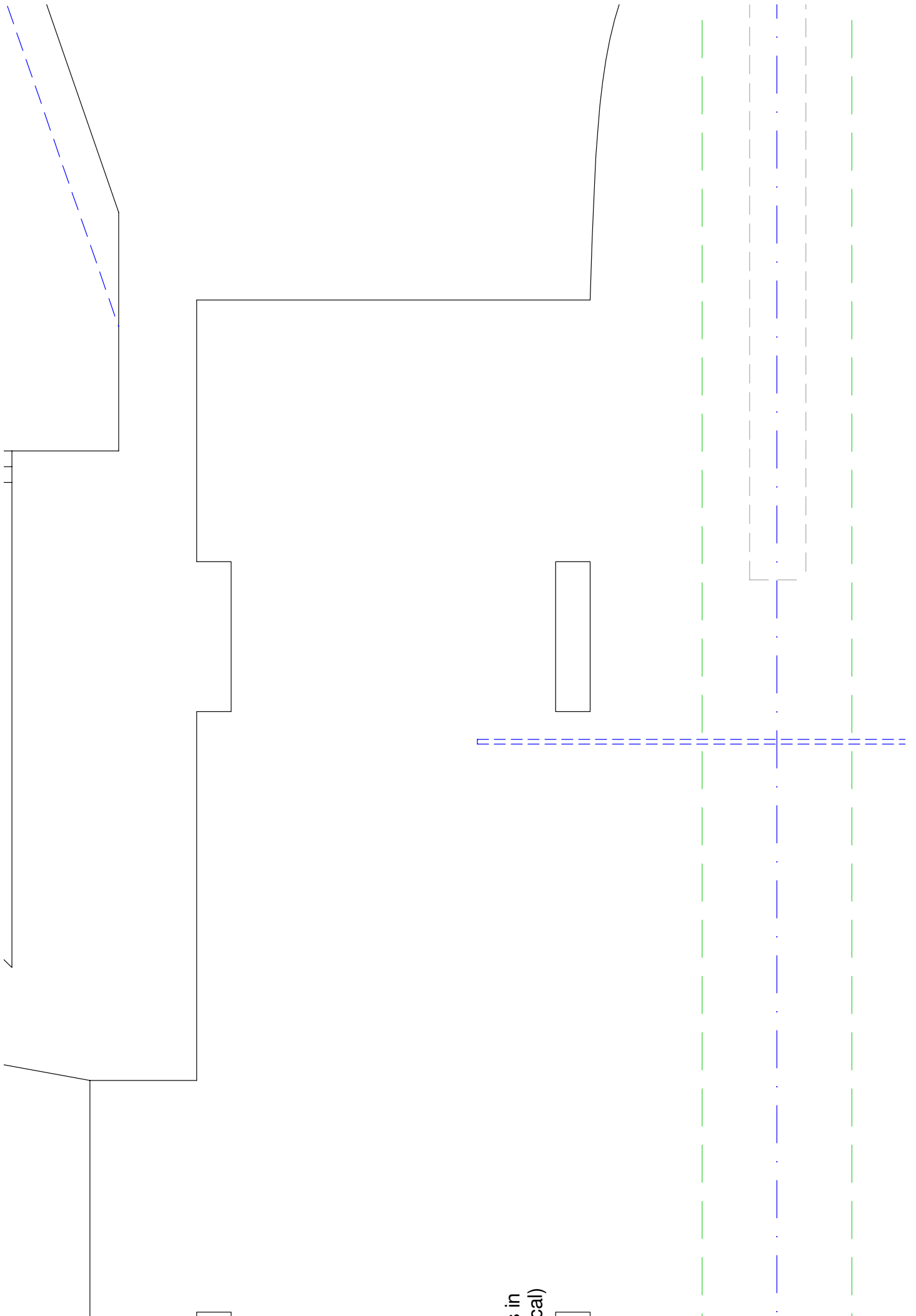


Balsa edges (optional for extra strength)

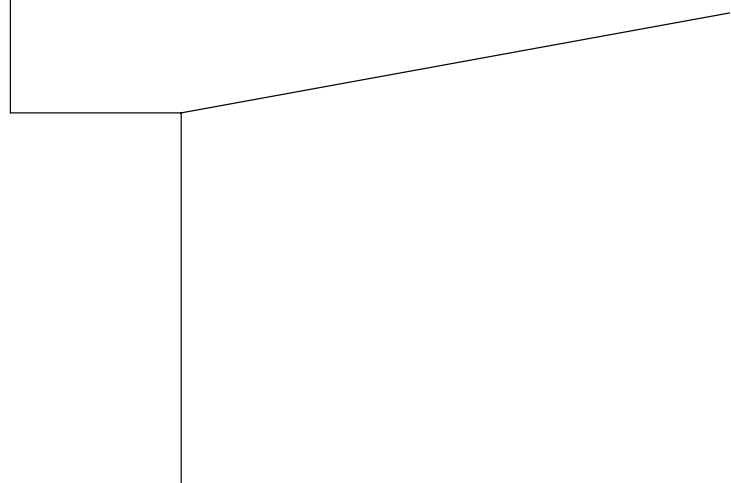
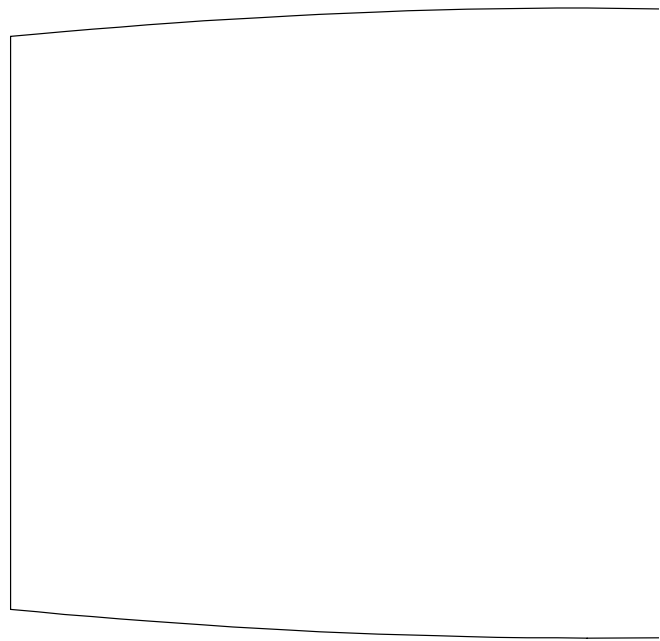
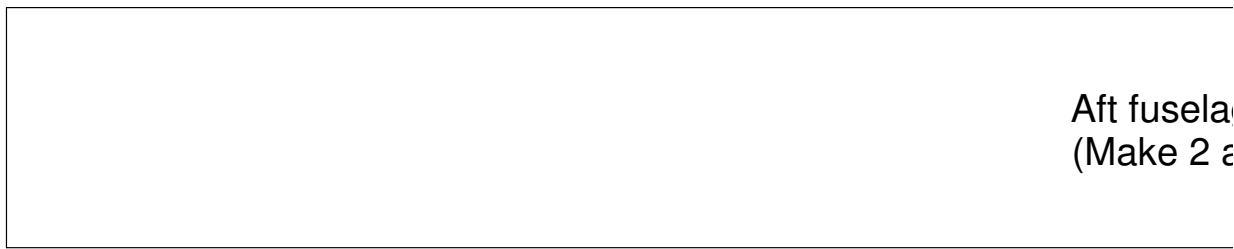
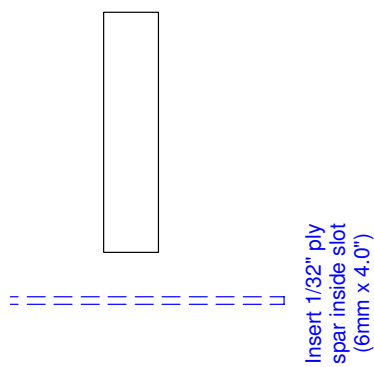


Place 1" wide strip of fiberglass
chordwise at root (top and bottom)





Aft fuselage
(Make 2 each)



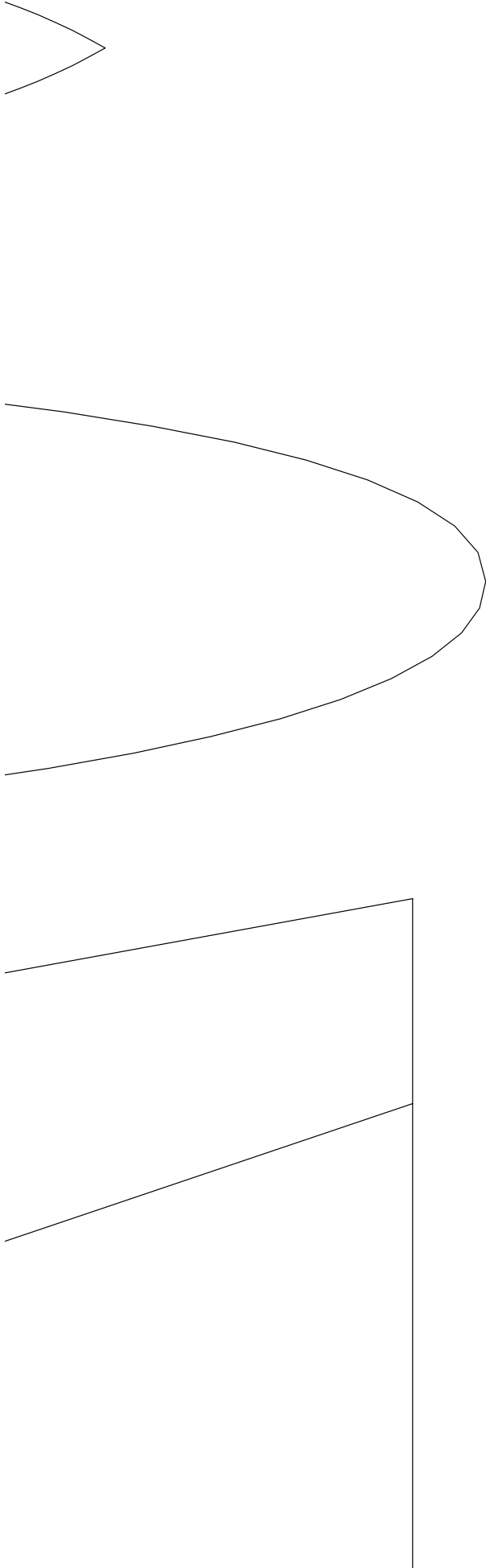
ge spine--top
(and laminate)

Trim off this part
if using single motor

Inboard

Nacelle tops
(Make 2)

Outboard

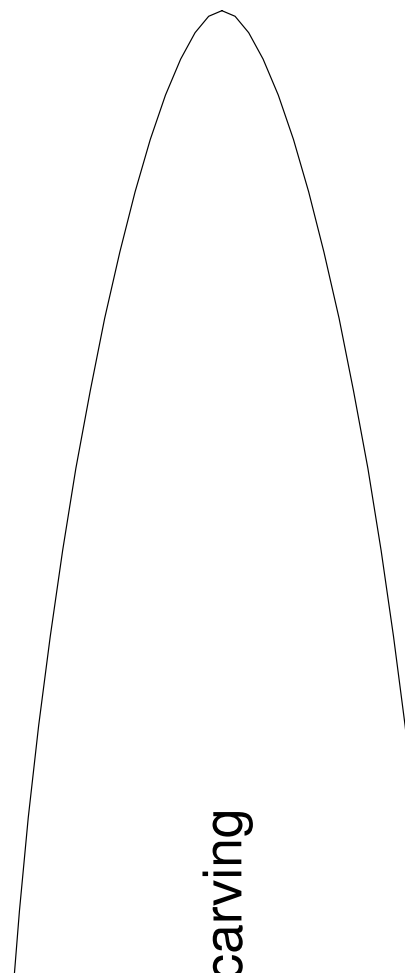
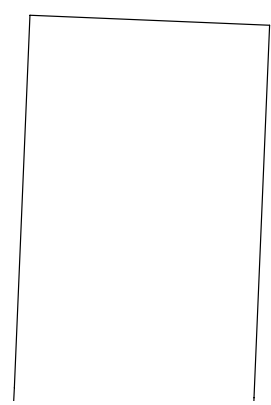
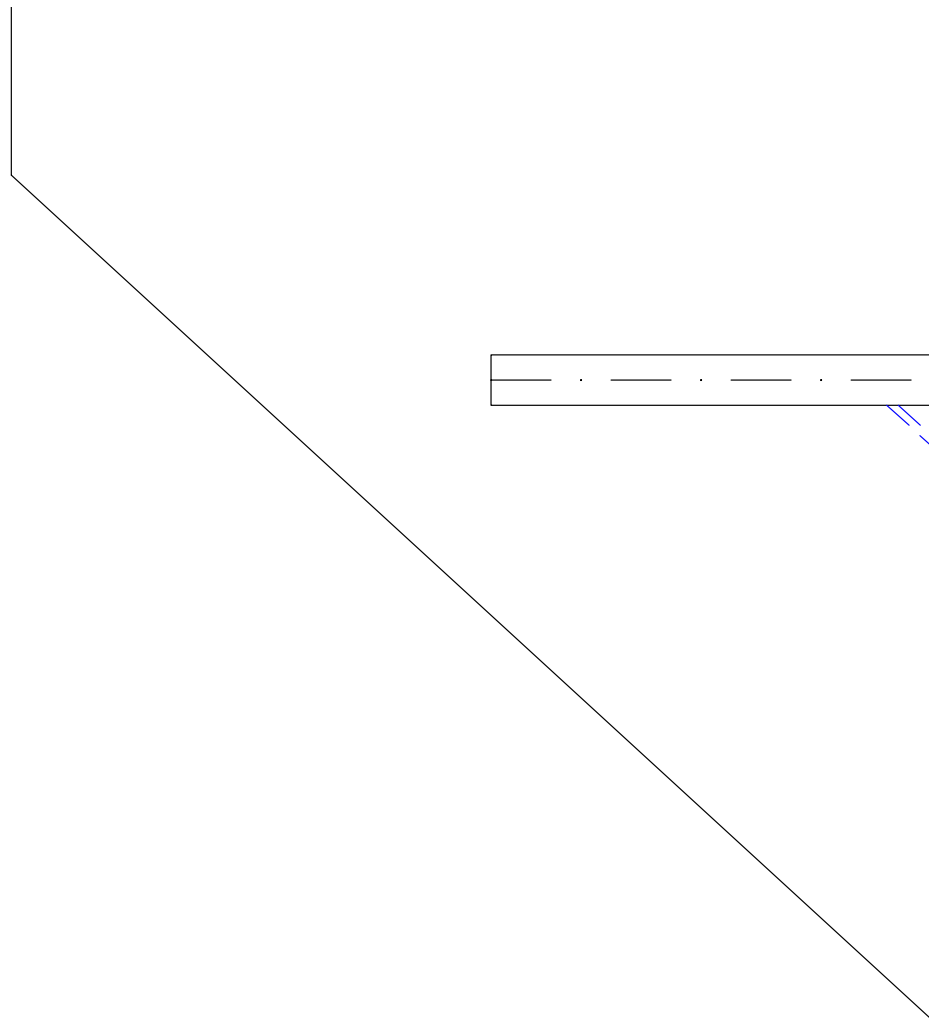


Su-37 Super Flanker Pa Designed by Steve Shur

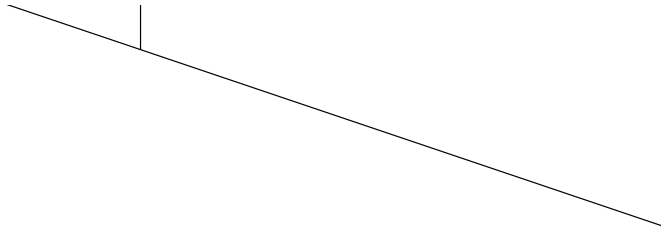
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***All parts made from 6mm Depron or BI
foam unless otherwise specifiec***

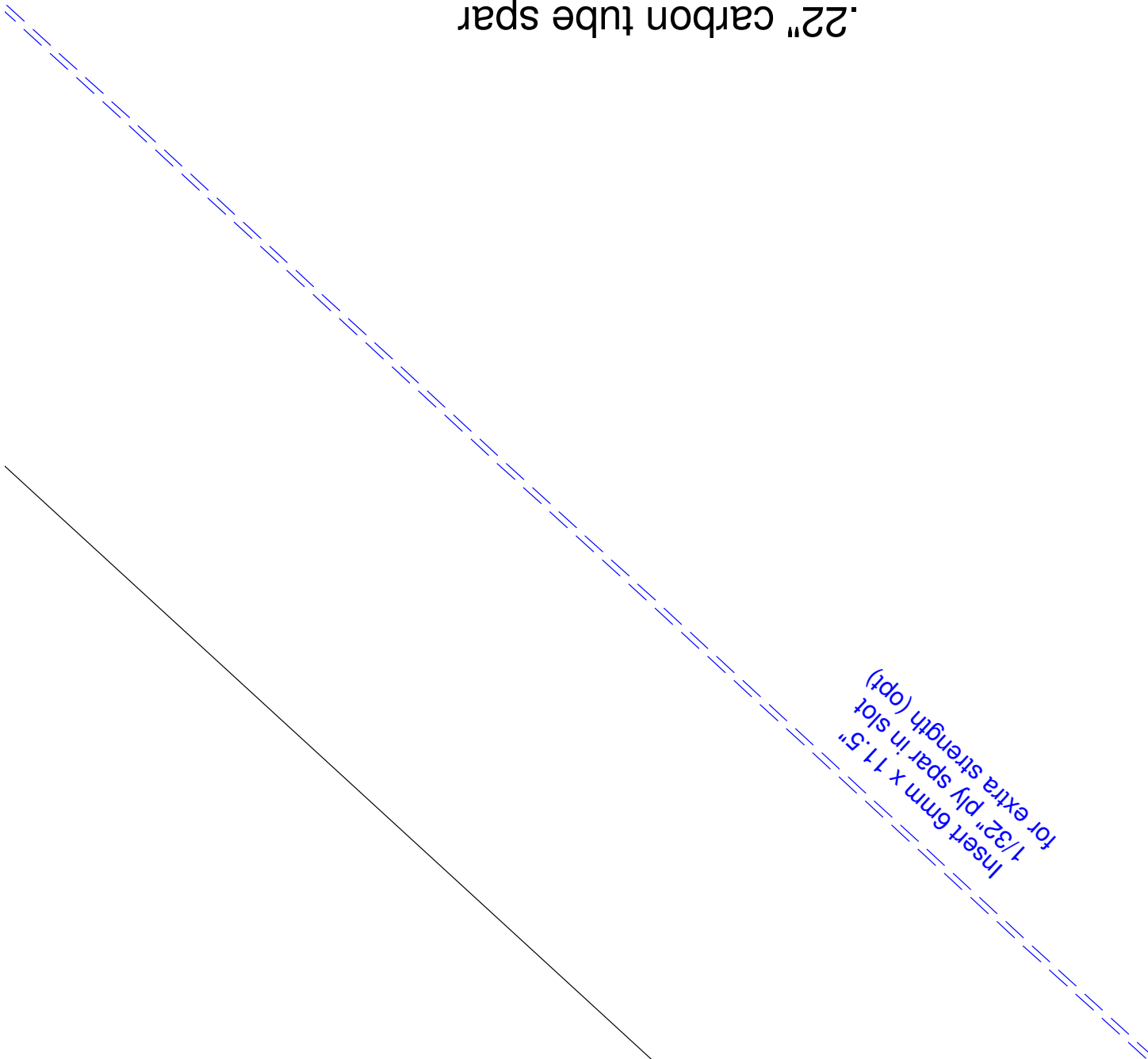
Wingtip missile rail (make



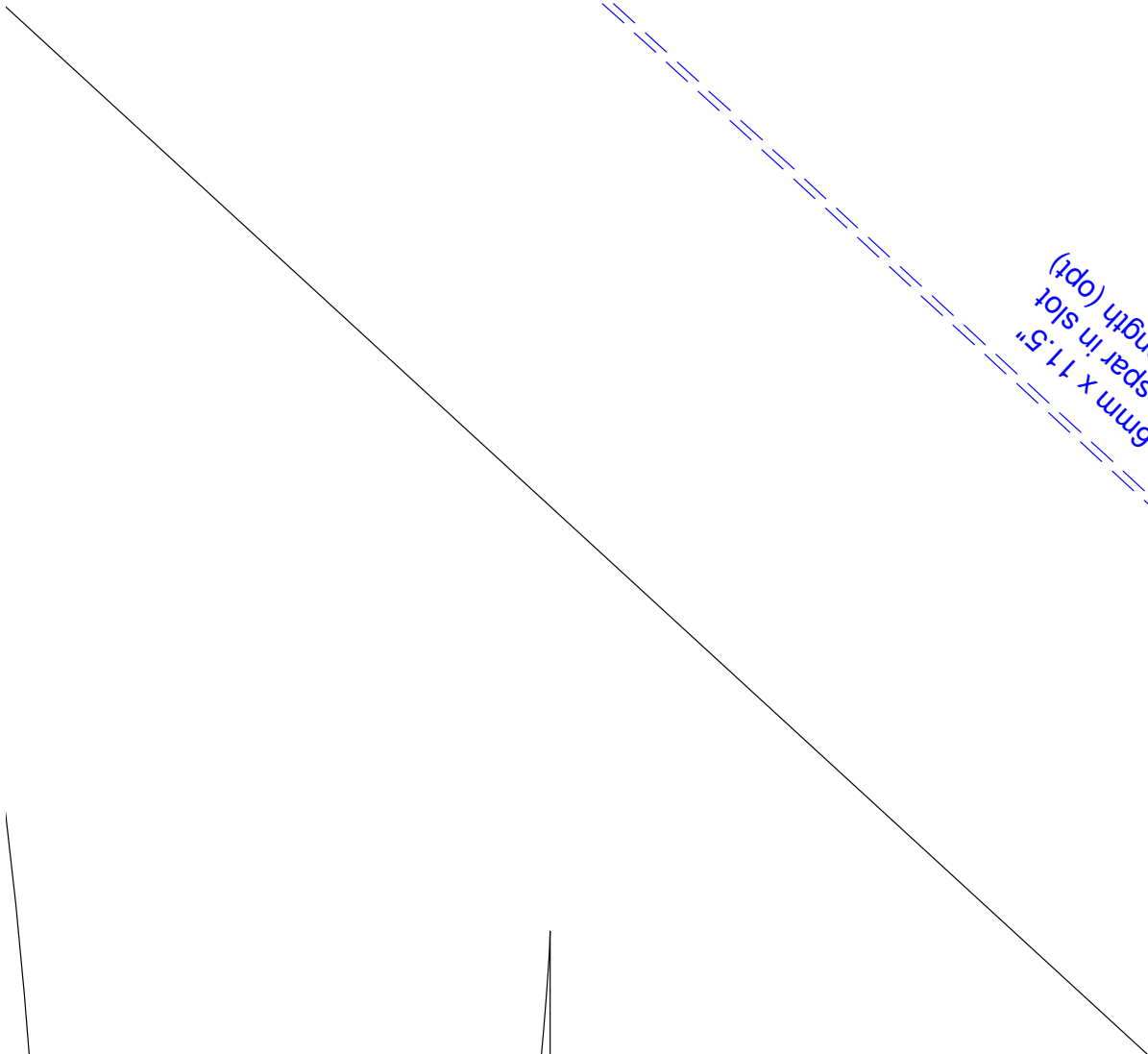
carving



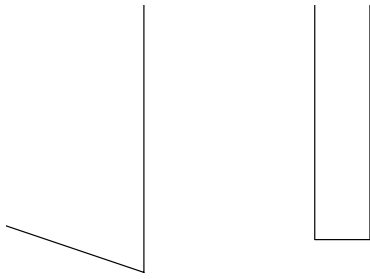
.22" carbon tube spar



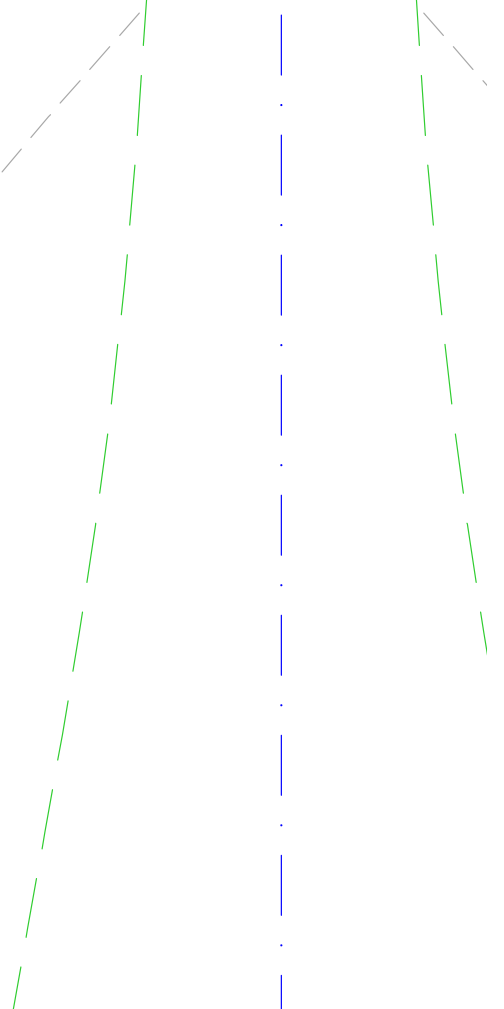
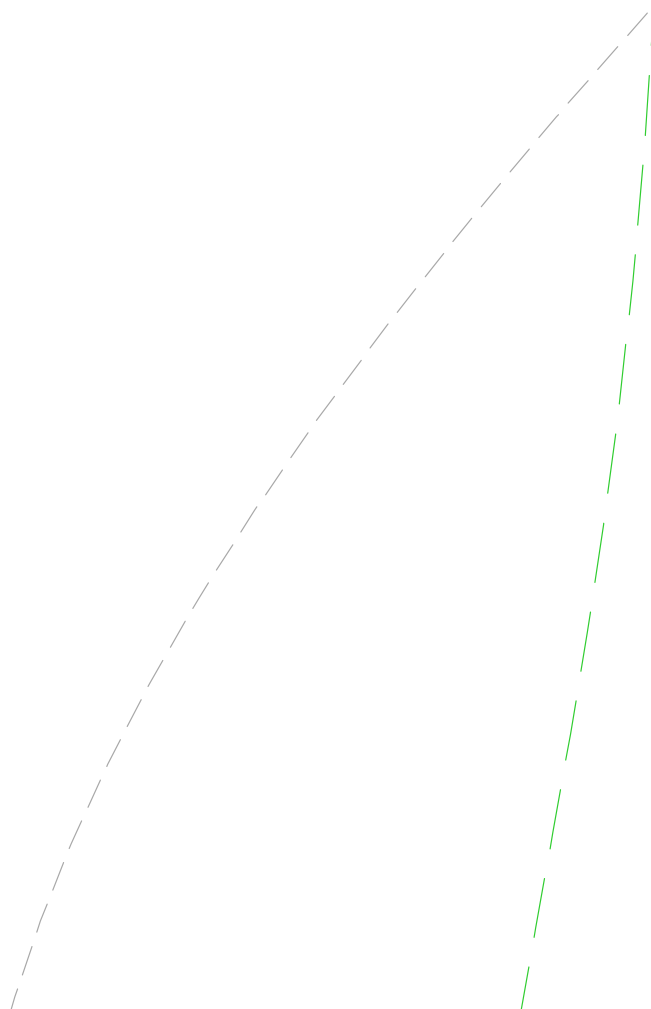
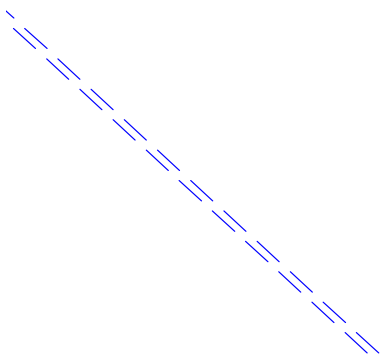
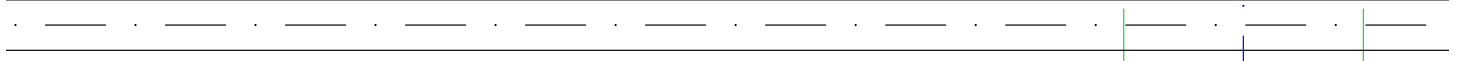
Insert 6mm x 1.5"
1/32" ply spar in slot
for extra strength (opt)

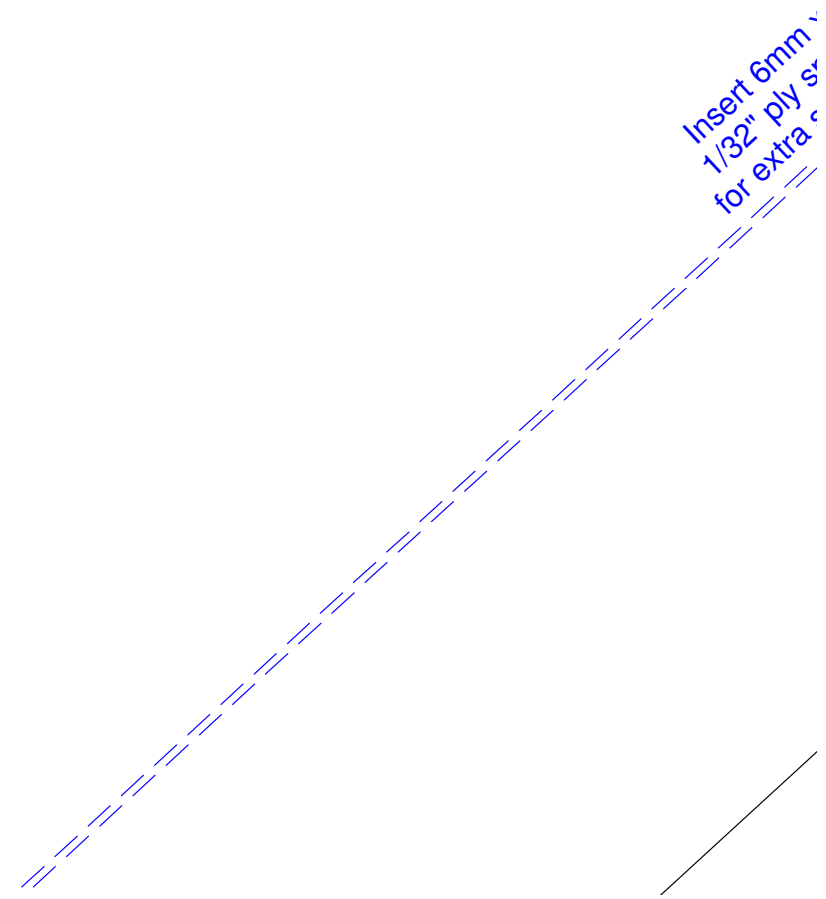
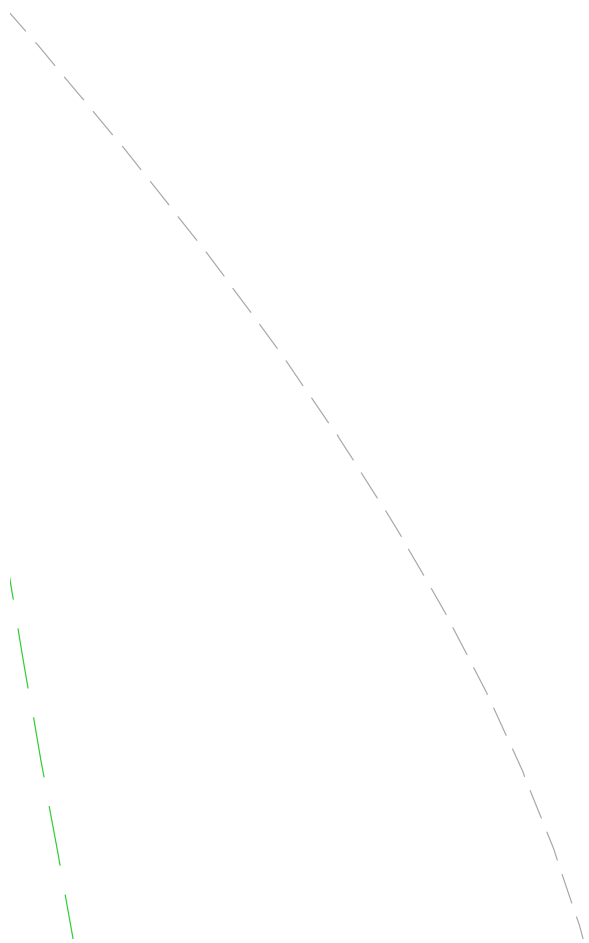
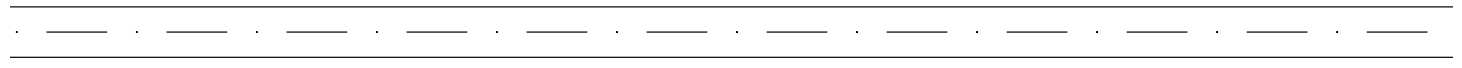
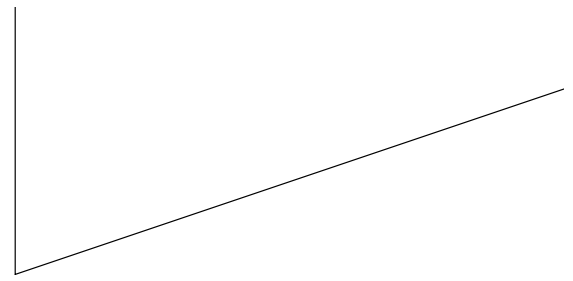


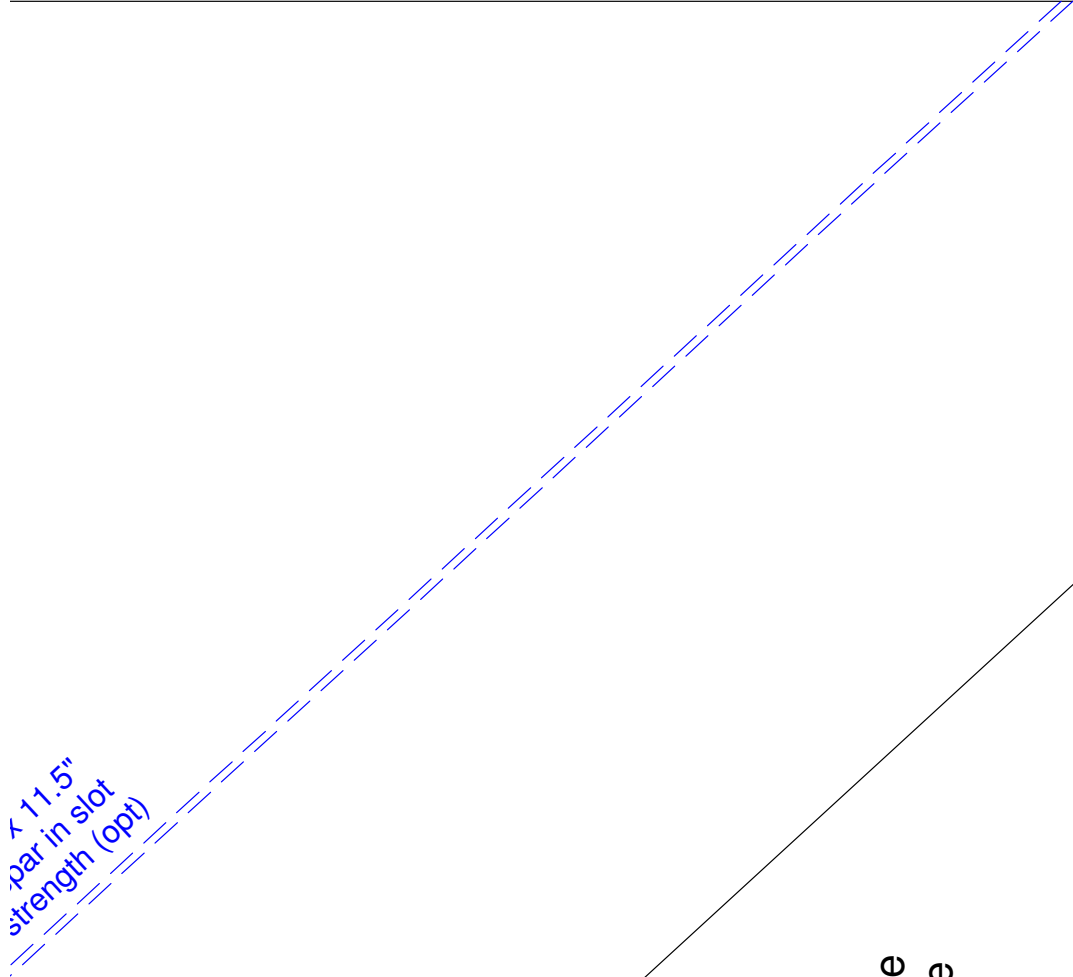
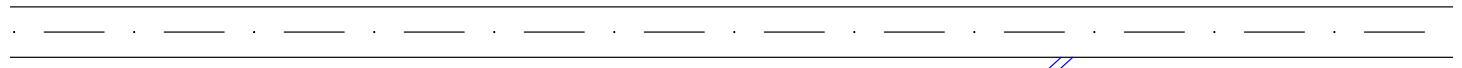
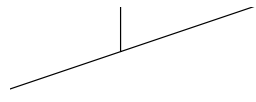
**Wing
(Make 1)**



Cut slots to fit tabs
nacelle sides (typic





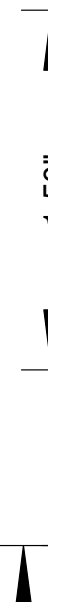


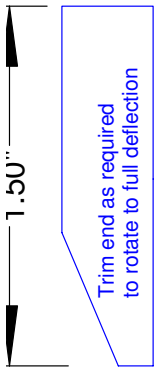
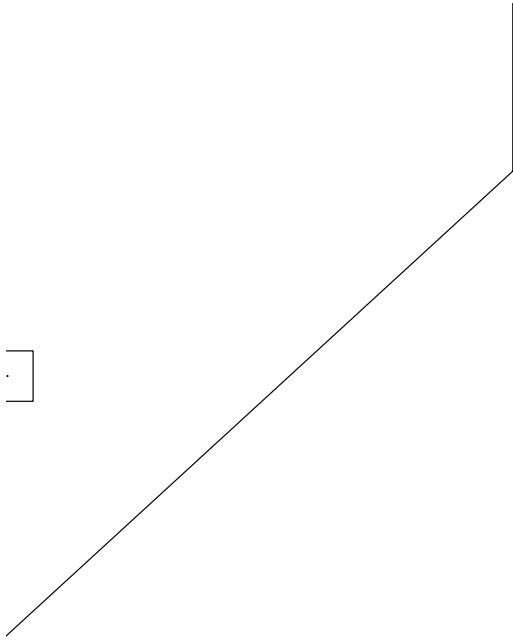
dia. $\approx 11.5"$
parallel in slot
strength (opt)

dia.

dia. of horn
stops
1/16" ply)

: If using a motor other than the LSPJ,
adjust the height of the side plates to ensure
the centerline of the motor is aligned with the
mount bolt (to minimize strain on the servo)



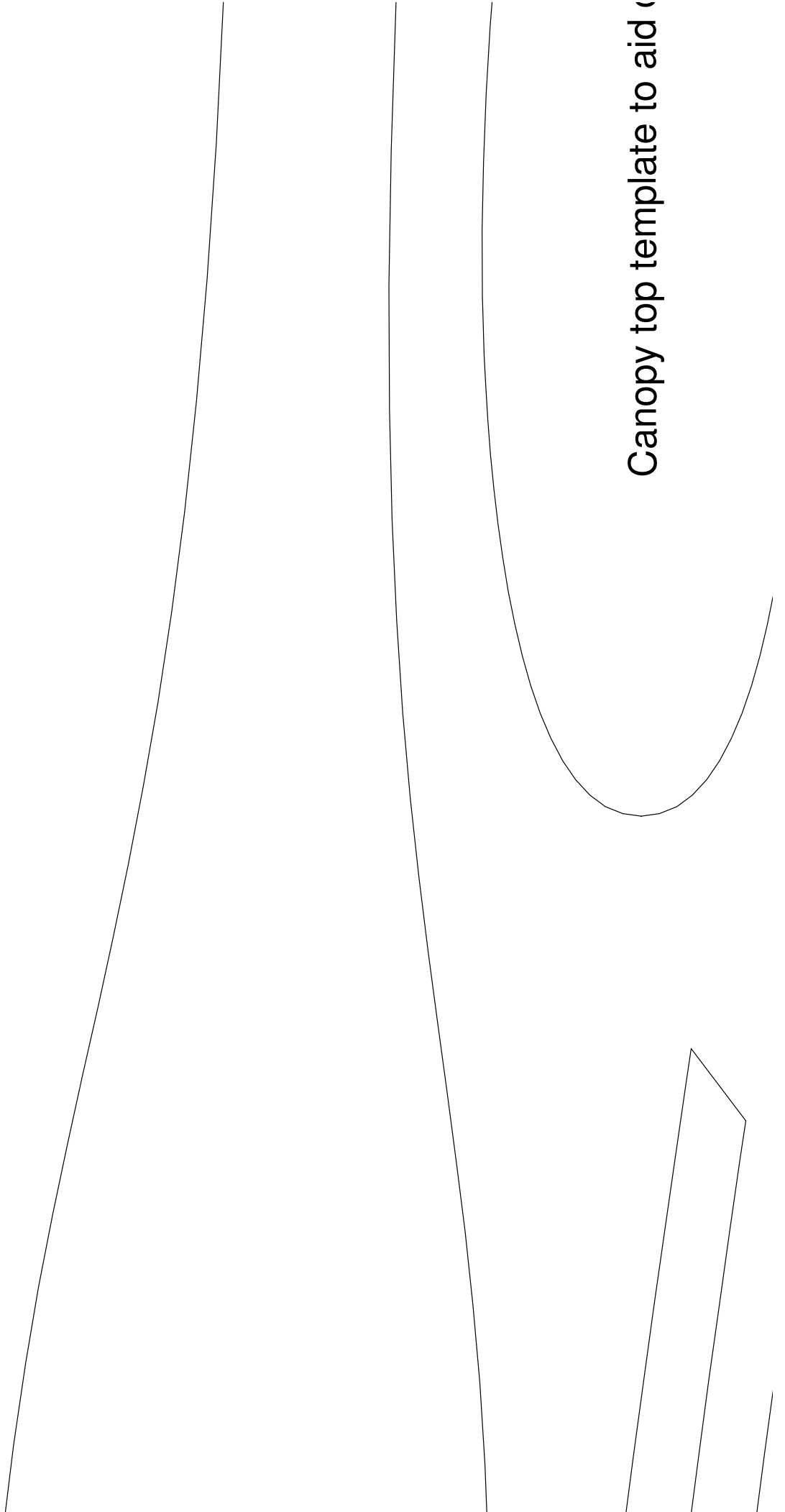


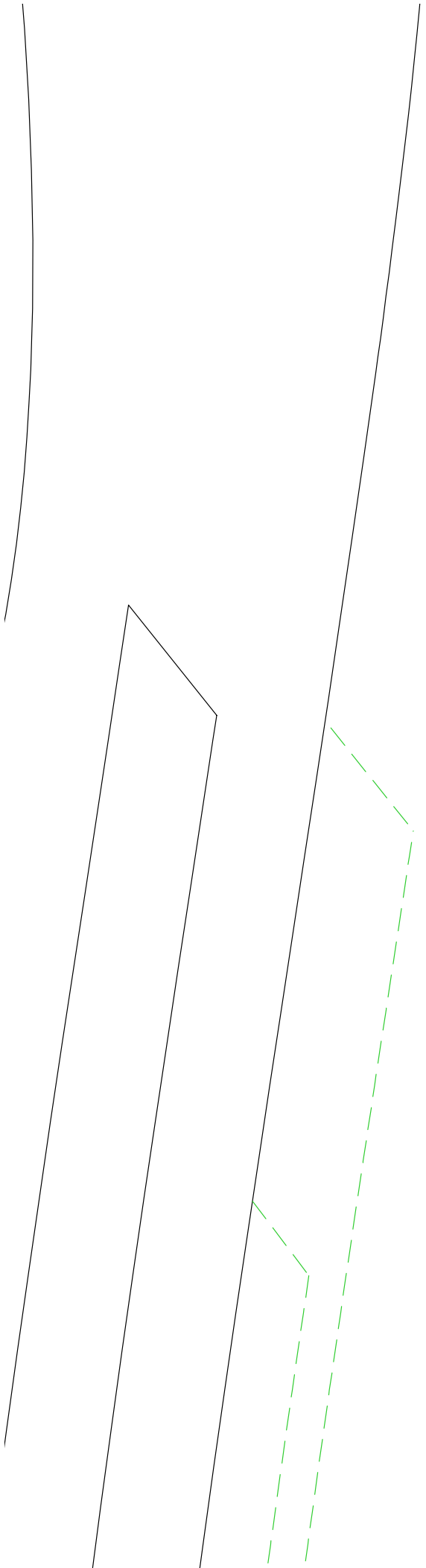
**Movable portion of
motor mount stick
(3/8" sq hardwood)**

**Nacelle bottom doubler 1 - Outboard
(Make 2)**

**celle bottom doubler 2 - Outboard
(Make 2)**

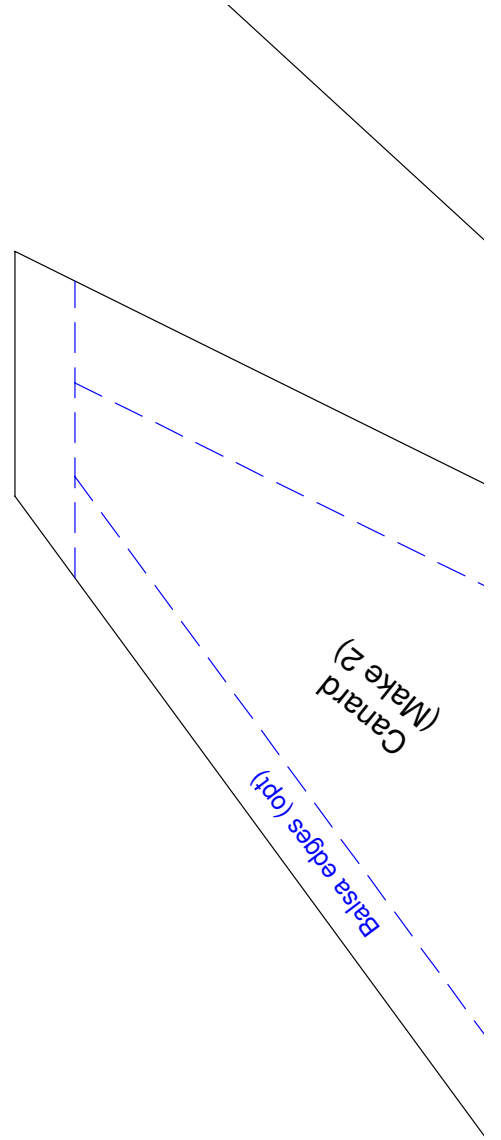
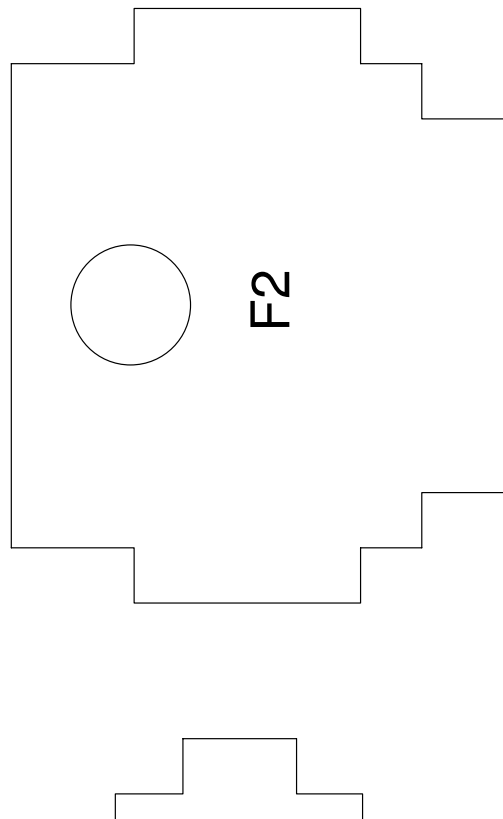
Canopy top template to aid (

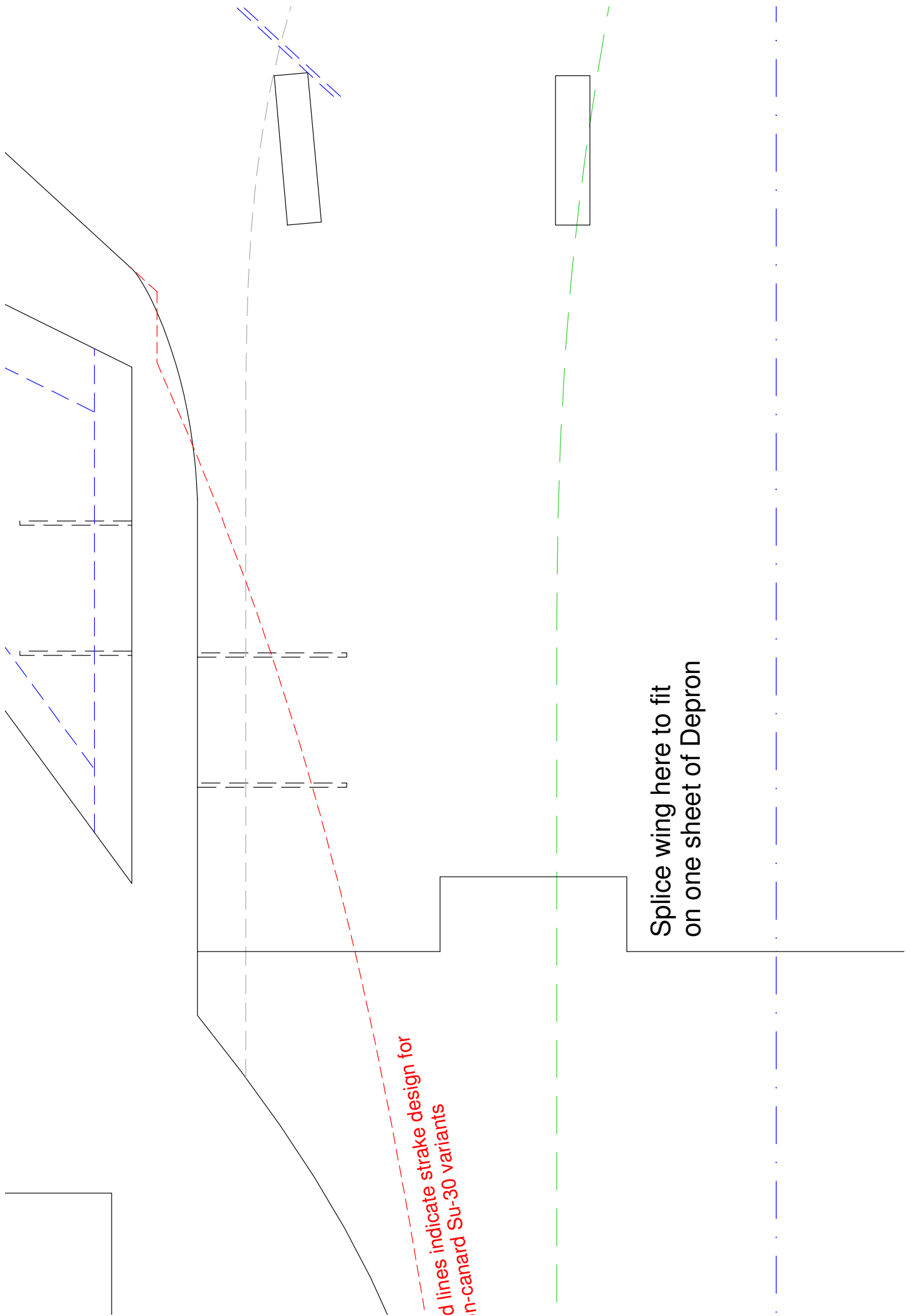


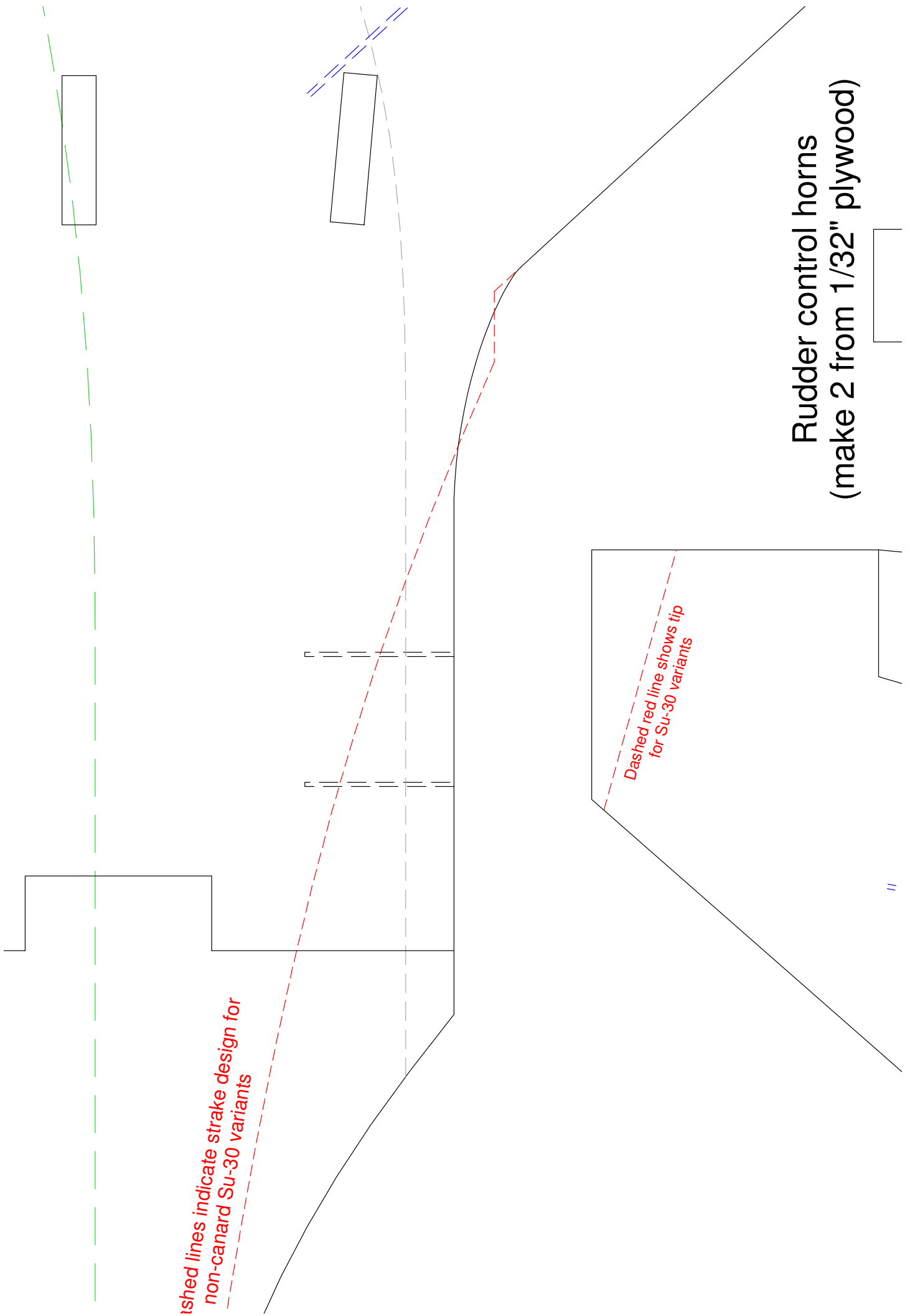


To make the canard strong enough, either:

- 1) Make the entire canard from 3/16" sheet balsa
- 2) Make from foam but edge with hard balsa as shown
- 3) Make from foam and fiberglass the top and bottom







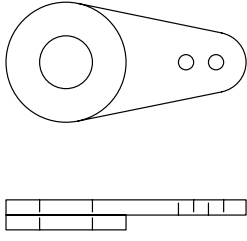
Rudder control horns
(make 2 from 1/32" plywood)

Dashed lines indicate stroke design for non-canard Su-30 variants

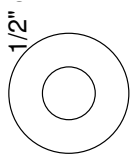
Dashed red line shows tip for Su-30 variants



Glue one doubler to control horn as shown

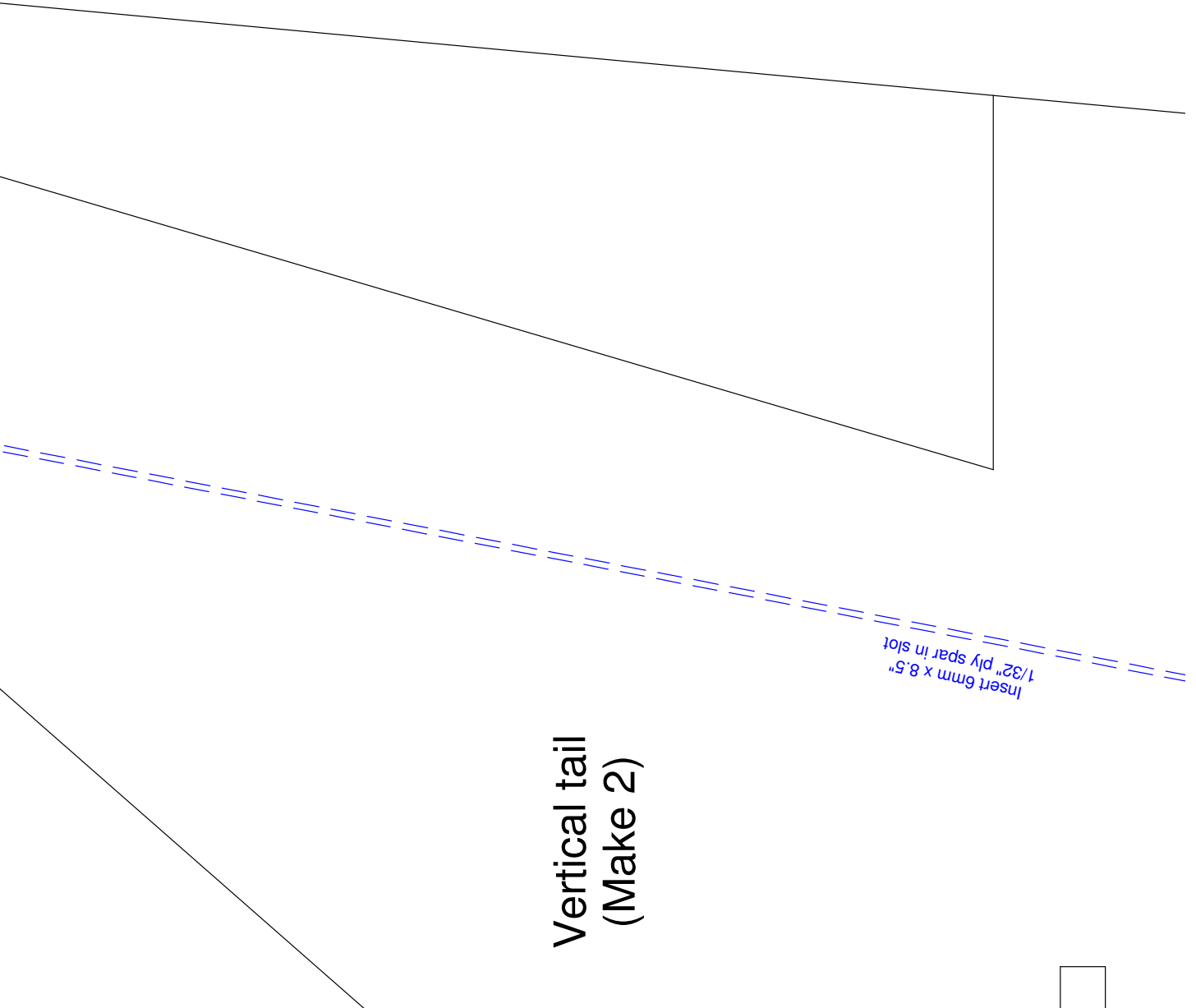


Stabilator control horn
(Make 2 from 1/16" ply)

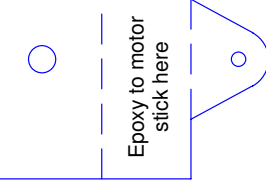


Stabilator control doublers/end doublers (Make 6 from 1/16" ply)

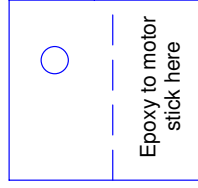
Vertical tail
(Make 2)



Insert 6mm x 8.5" 1/32" ply spar in slot



Epoxy to motor stick here

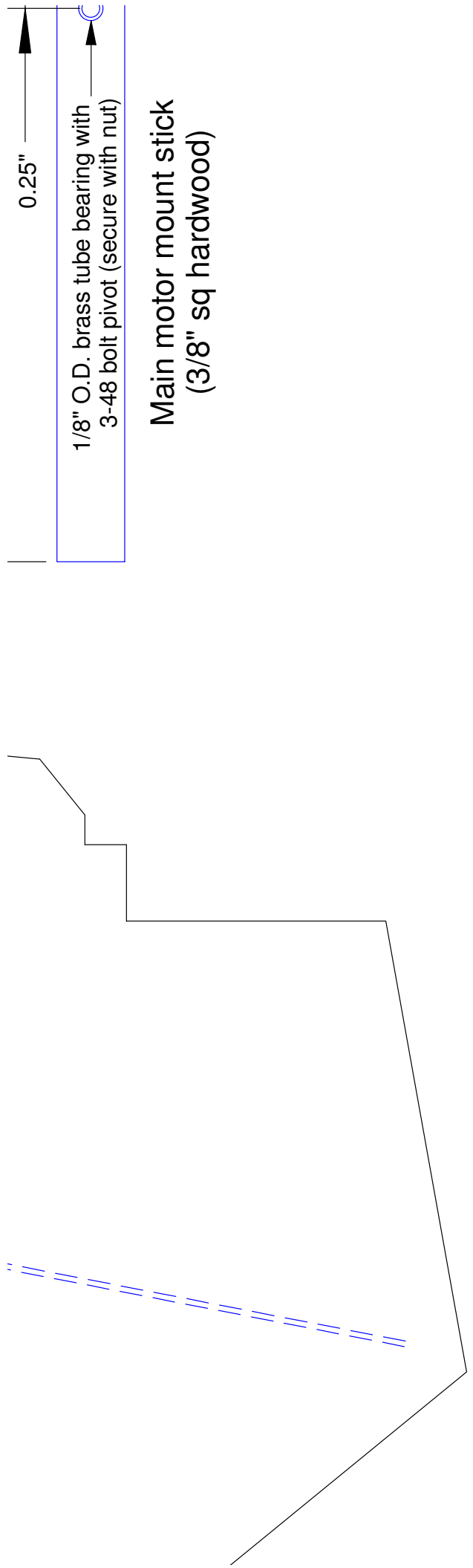


Epoxy to motor stick here

Note modify the center pivot

Side plates for thrust vectoring motor mount
(Make 2 each from 1/8" ply)

3.36"

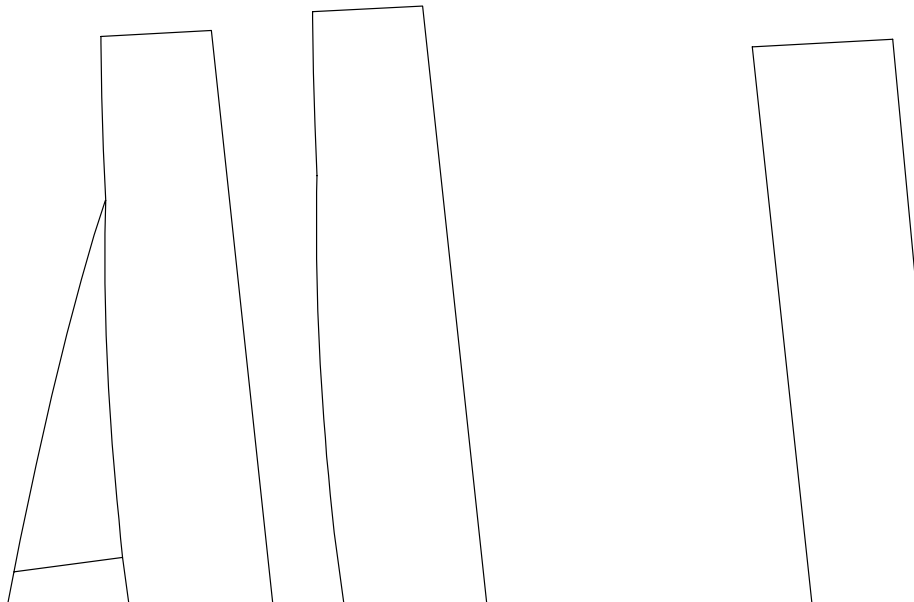


Na

Turtledeck top
(Make 2)

Aft fuselage top doubler 2
(Make 2)

Aft fuselage top 1



...age up doubler 1
(Make 2)

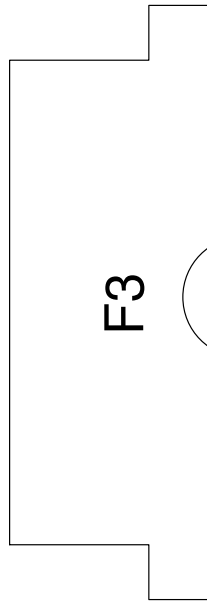
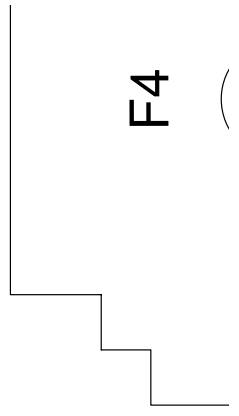
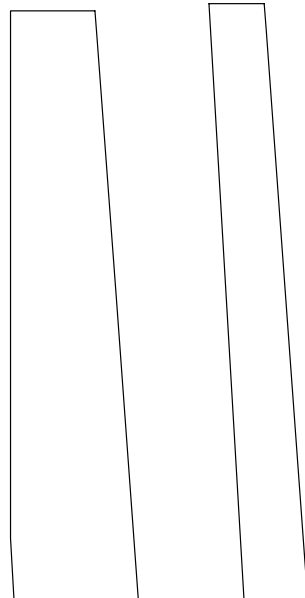
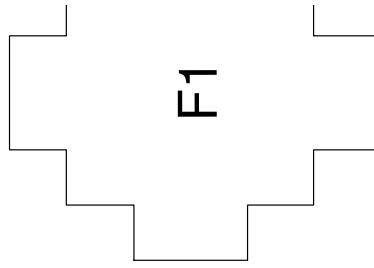
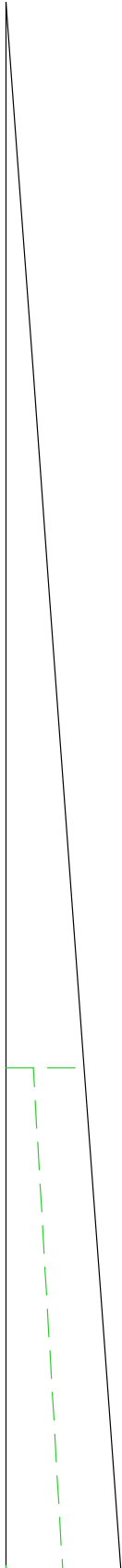
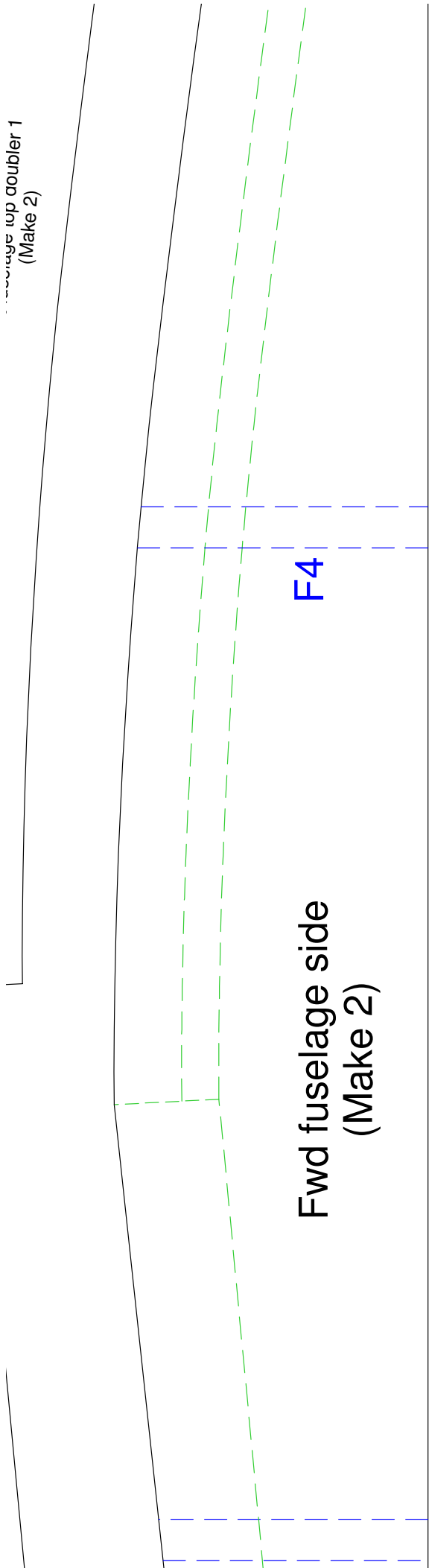
Fwd fuselage side
(Make 2)

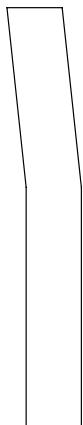
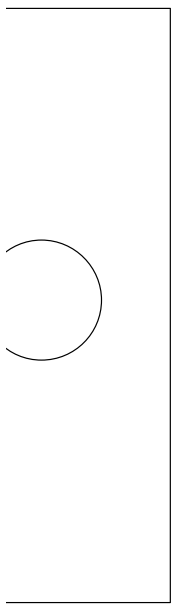
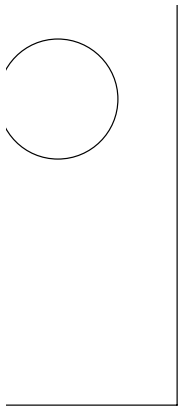
F4

F1

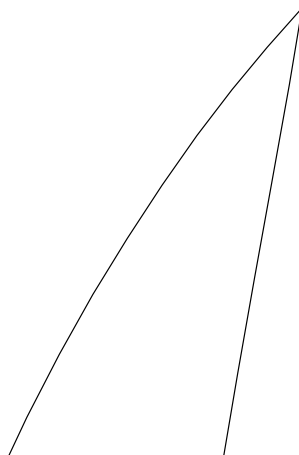
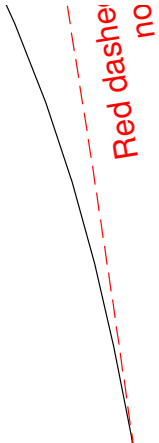
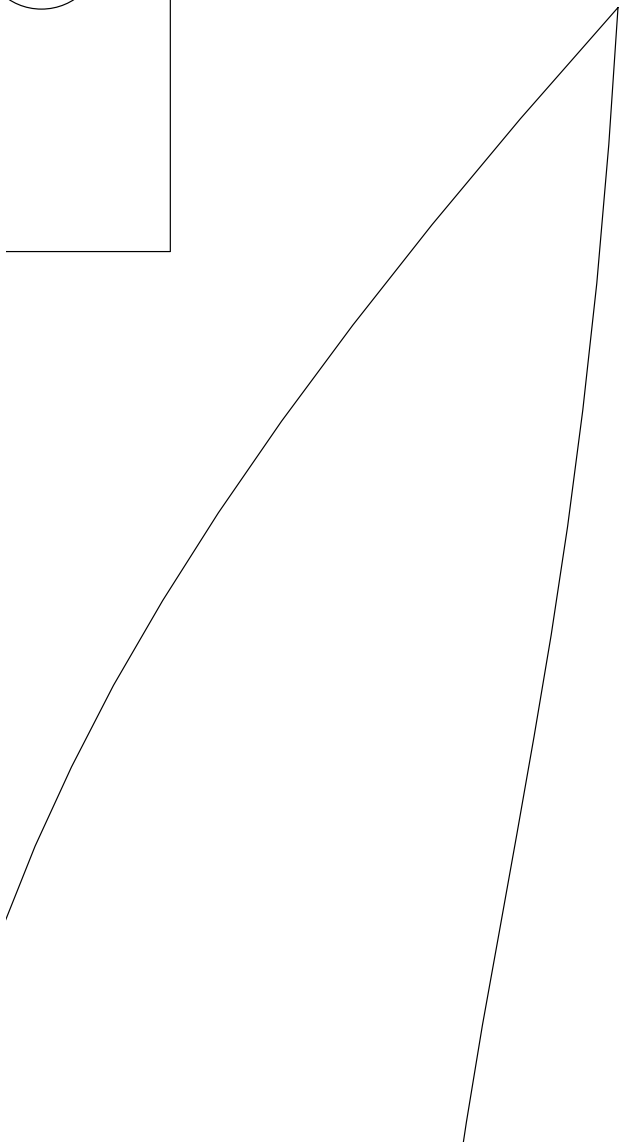
F4

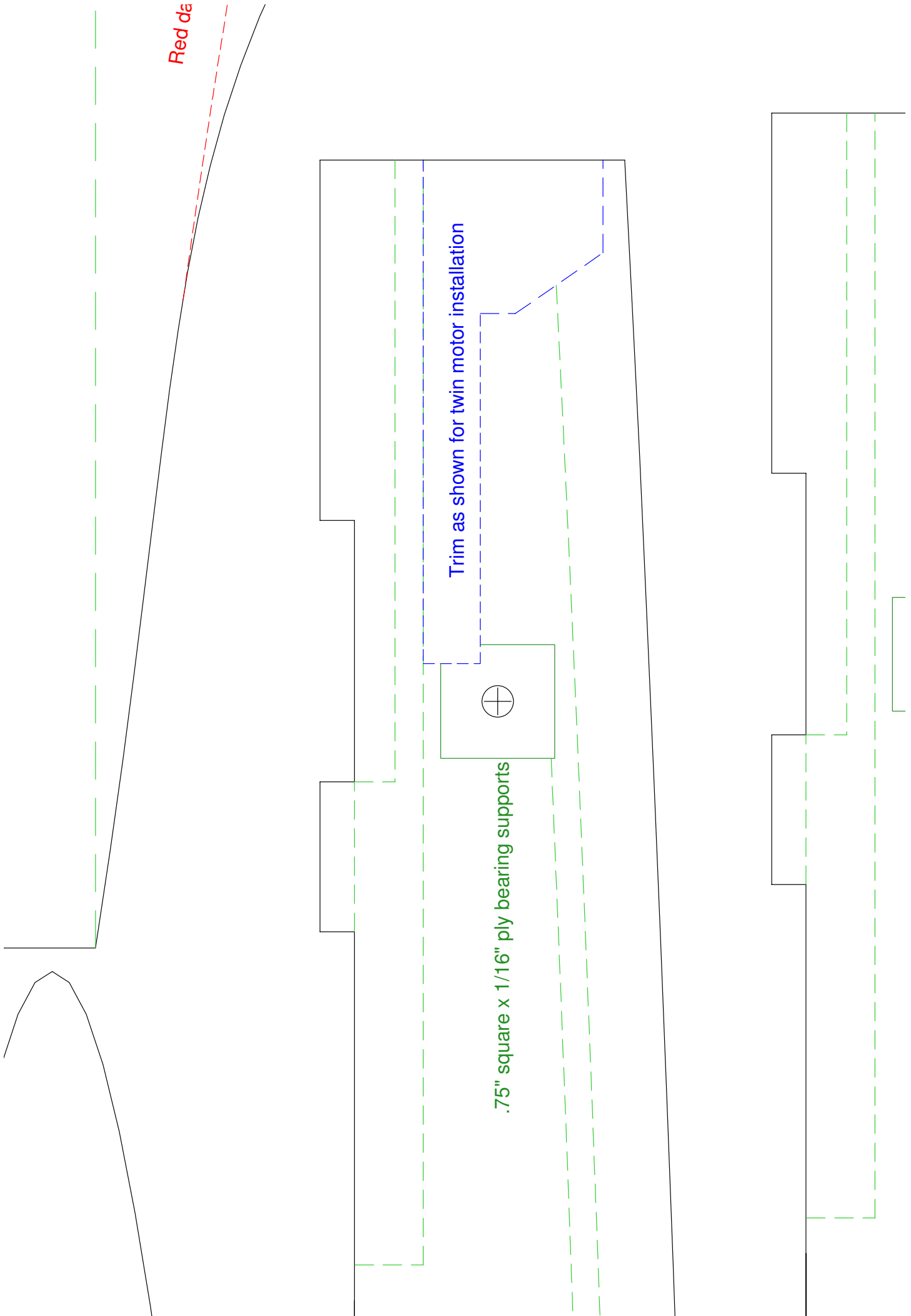
F3

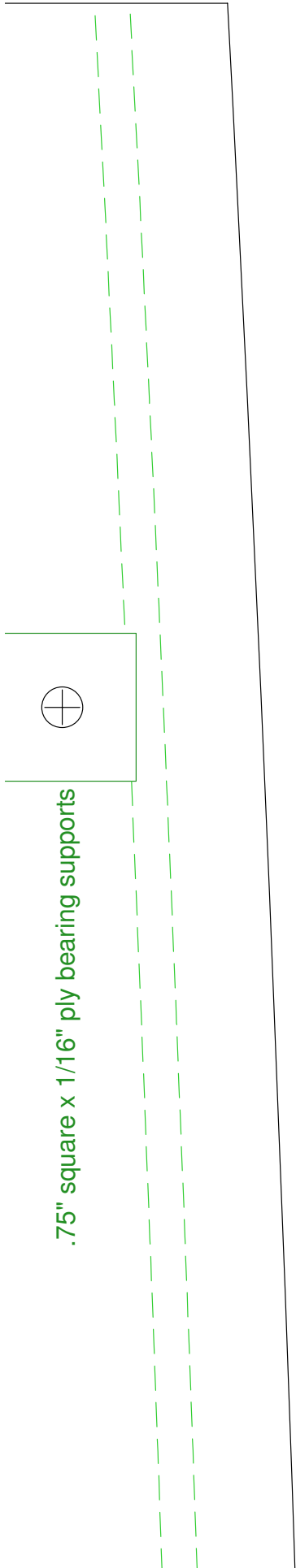




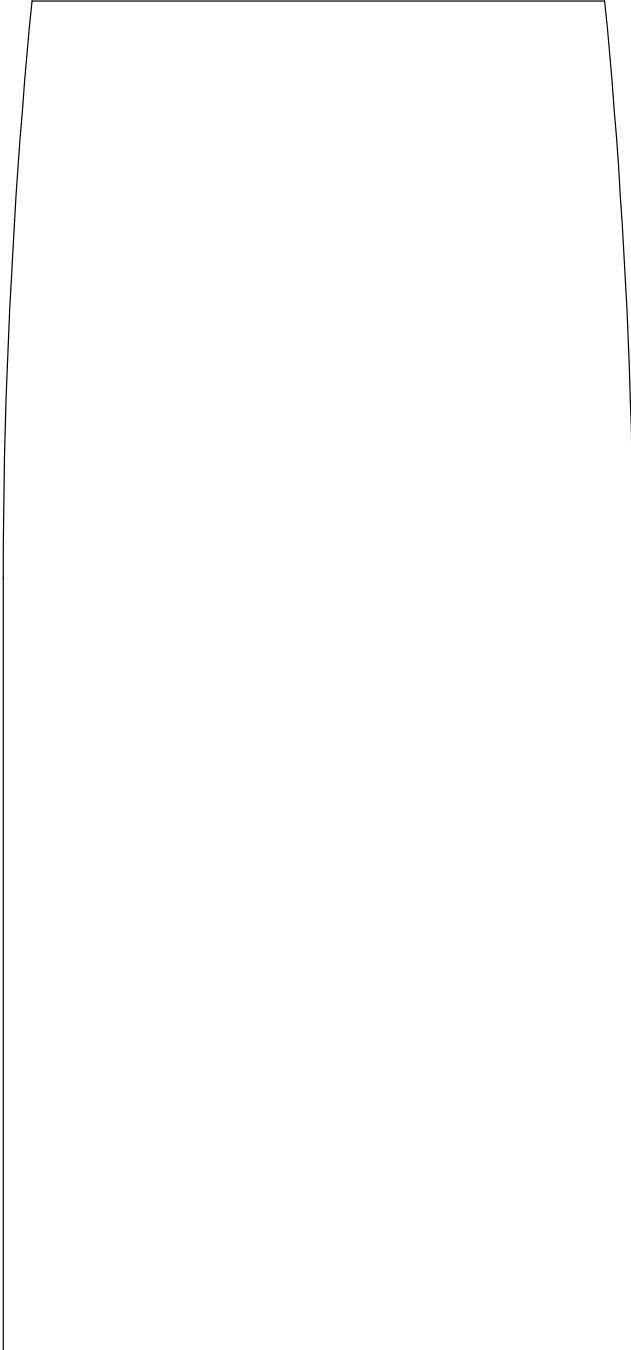
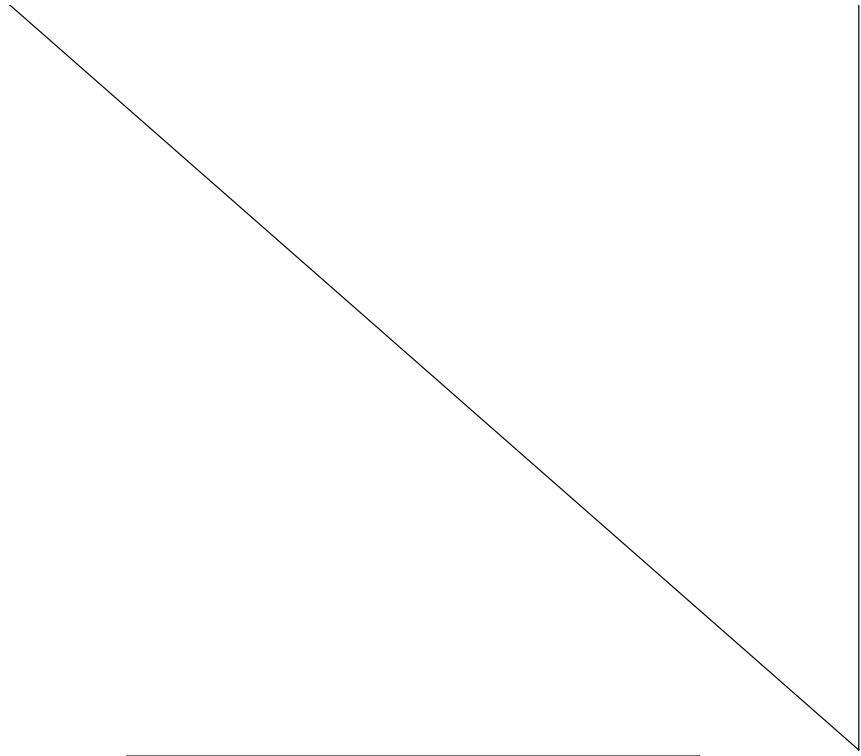
Canard braces (6 deg dihedral)
(Make 4 from 1/32" ply)

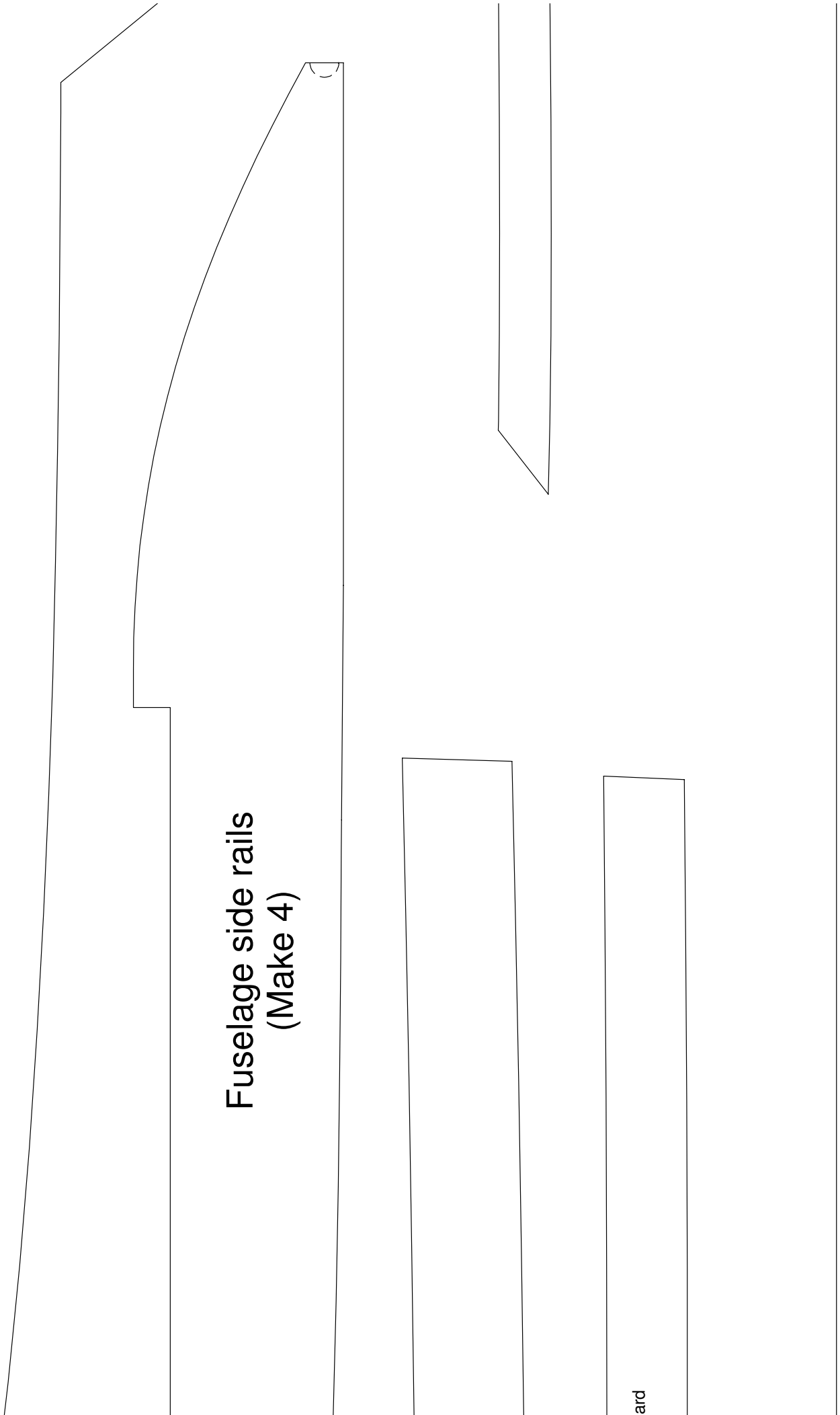






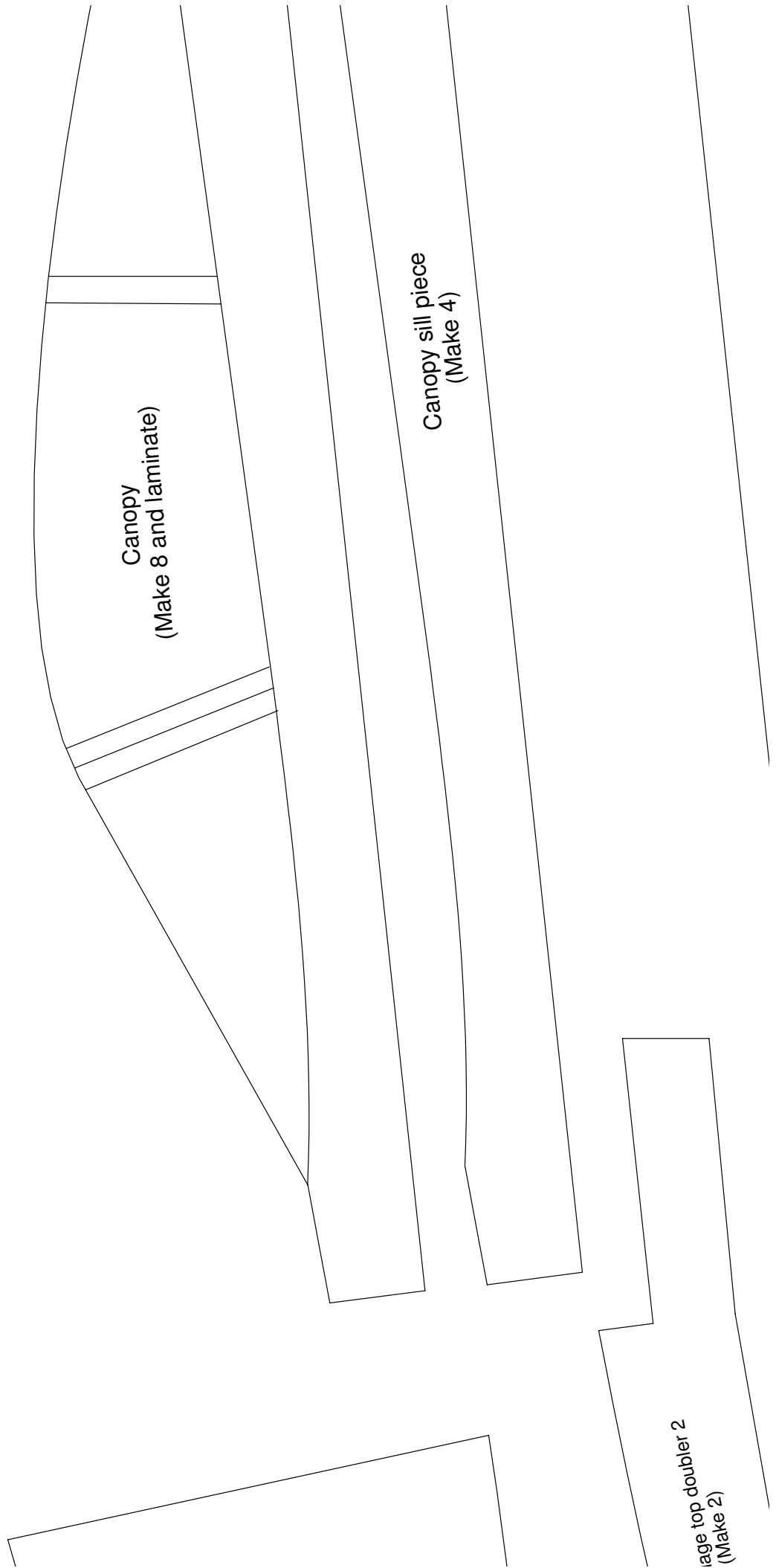
.75" square x 1/16" ply bearing supports





Fuselage side rails
(Make 4)

ard



selage top doubler 1
(Make 2)

Dashed green lines indicate doublers

F3

F2

Fwd fuselage bottom doubler 1
(Make 2)

Fwd fuselage bottom doubler 2
(Make 2)



Wing fillet lamination 1
(Make 2)

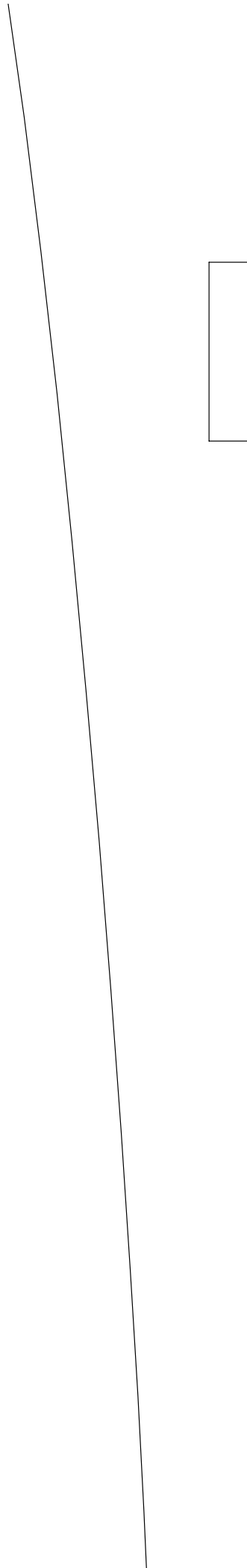
Red dashed lines indicate strake design for non-canard Su-30 variants

Wing fillet lamination 3
(Make 2)

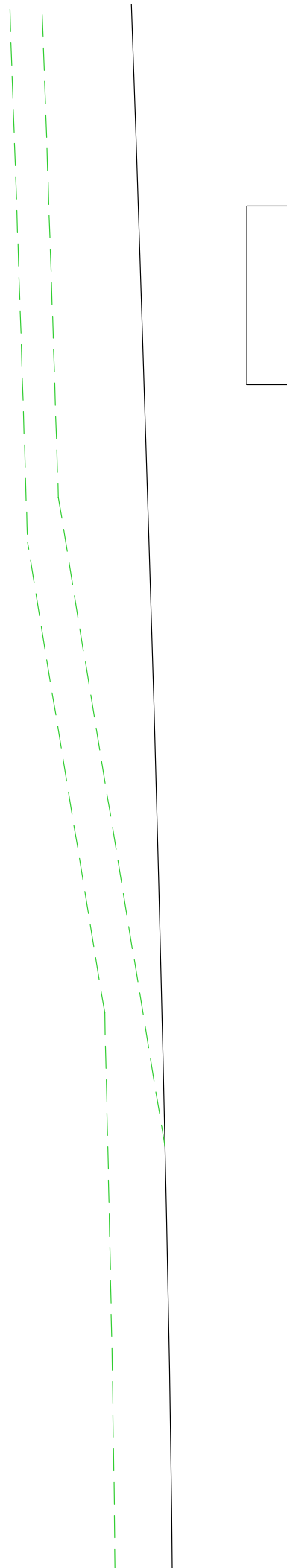
Wing fillet lamination 2
(Make 2)

Red dashed lines indicate strake design for non-canard Su-30 variants

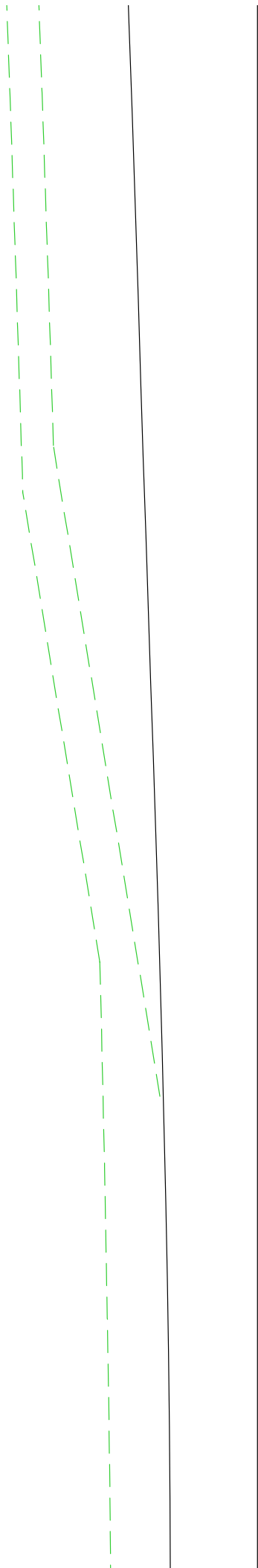
Forward fuselage bottom
(Make 1)



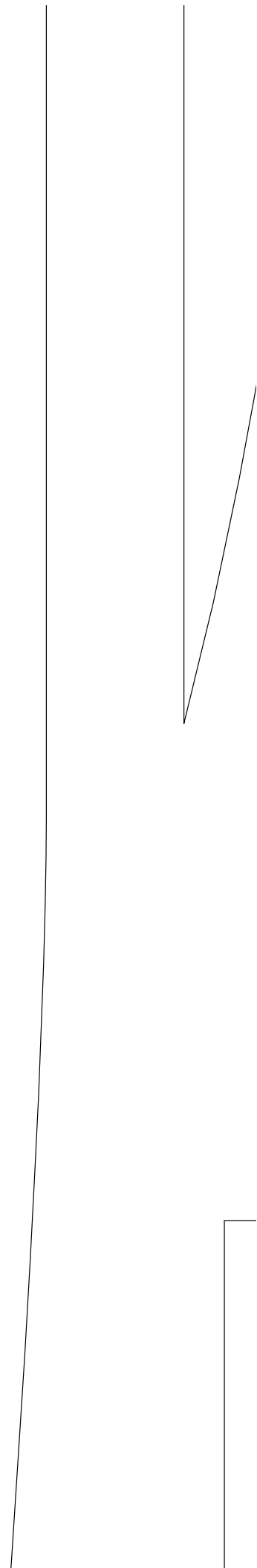
Outboard nacelle side
(Make 2)



Inboard nacelle side
(Make 2)



Nacelle bottom
(Make 2)



Nacelle top doubler 1
(Make 4)

Nacelle bottom doubler 1 - Inboard
(Make 2)

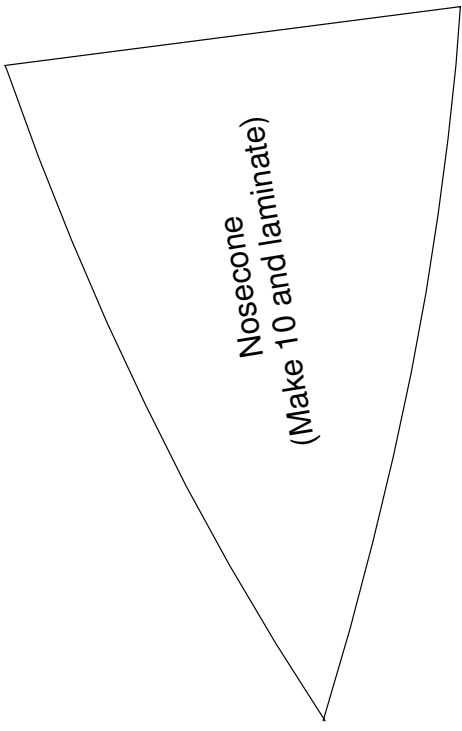
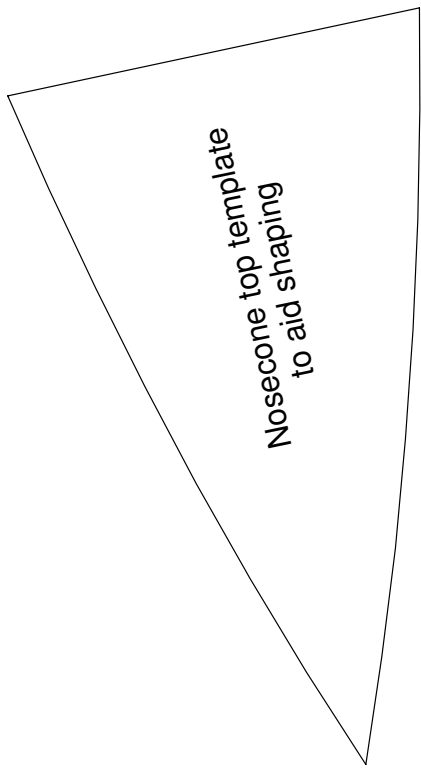
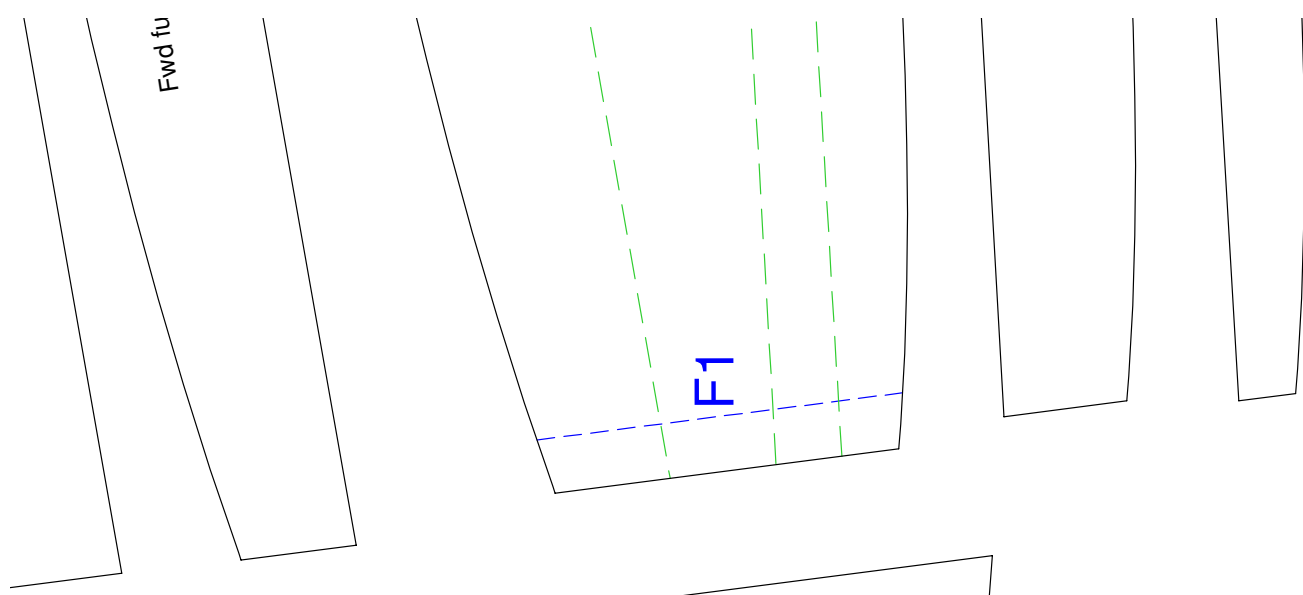
Nacelle bottom doubler 2 - Inbo
(Make 2)



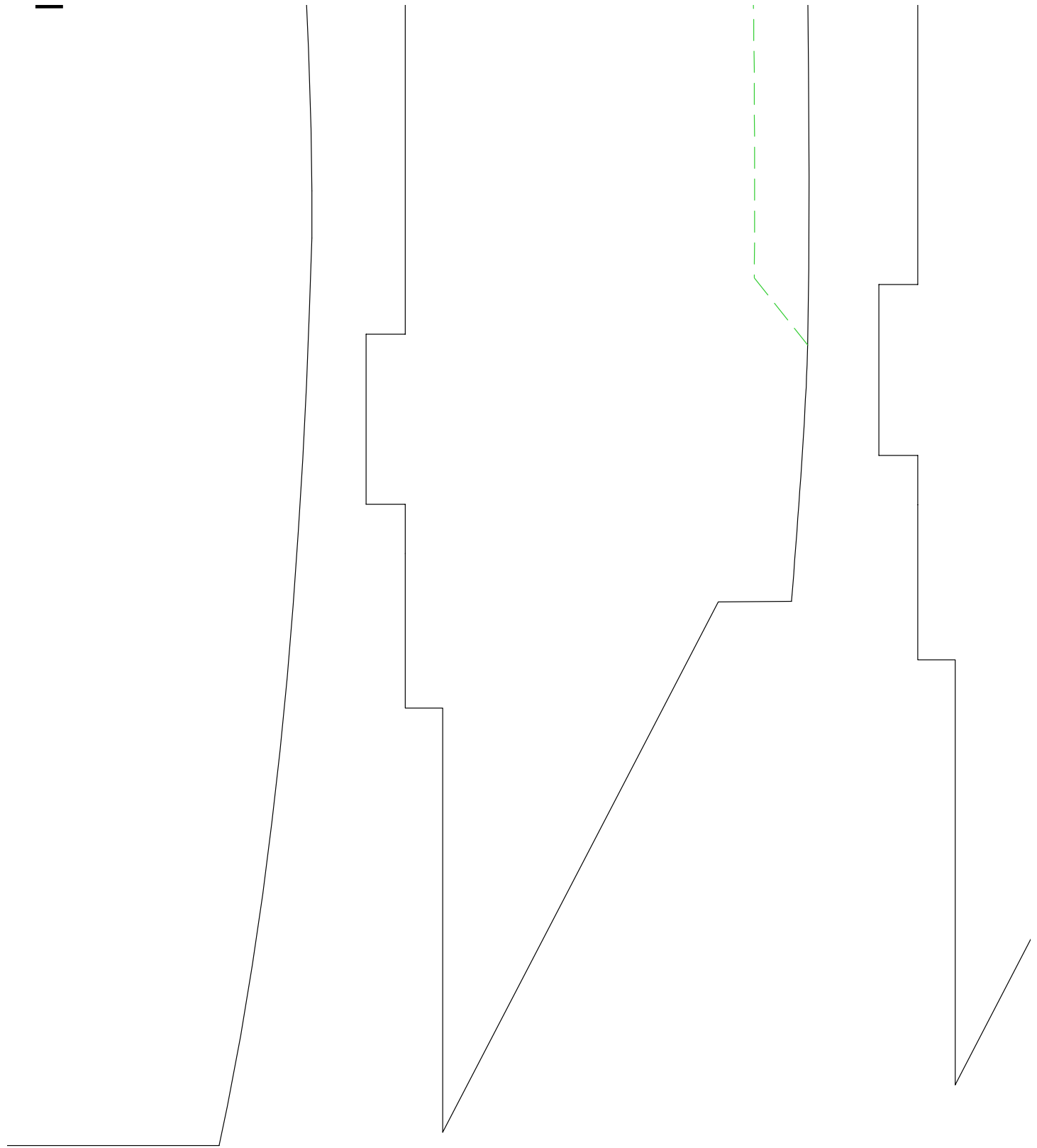
Fwd fuselage top
(Make 1)

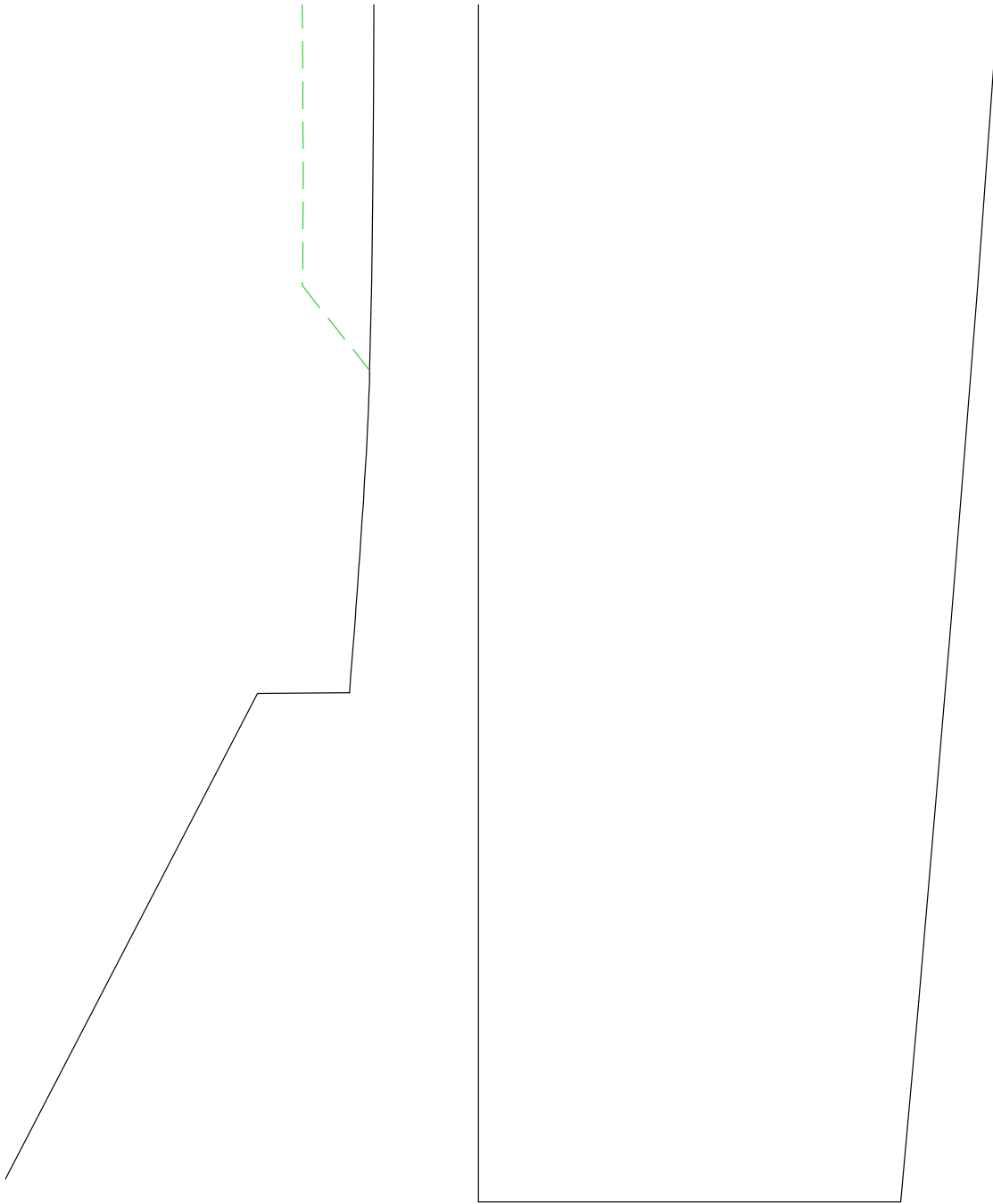


Fwd fusel











Nacelle top doubler 2
(Make 4)

