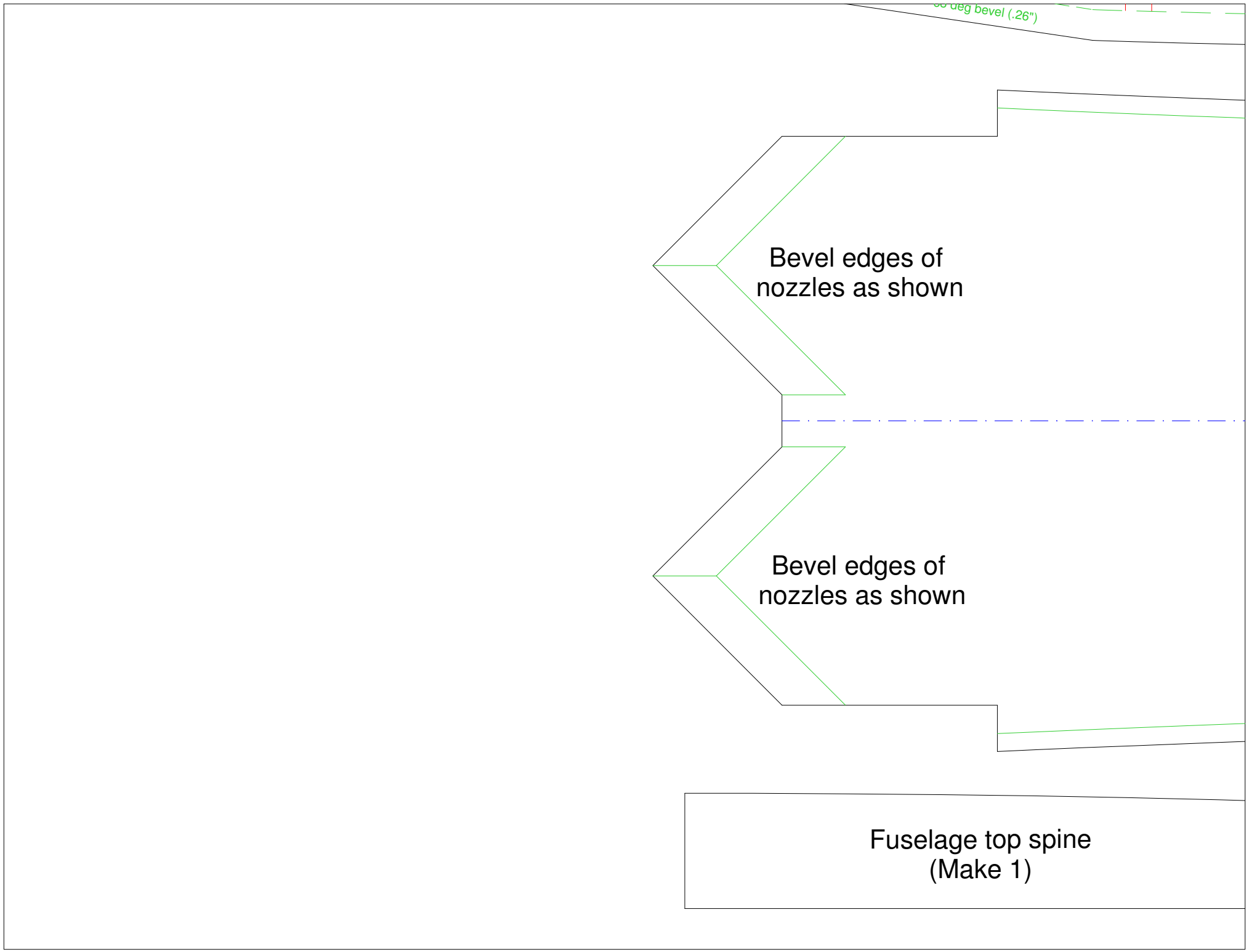
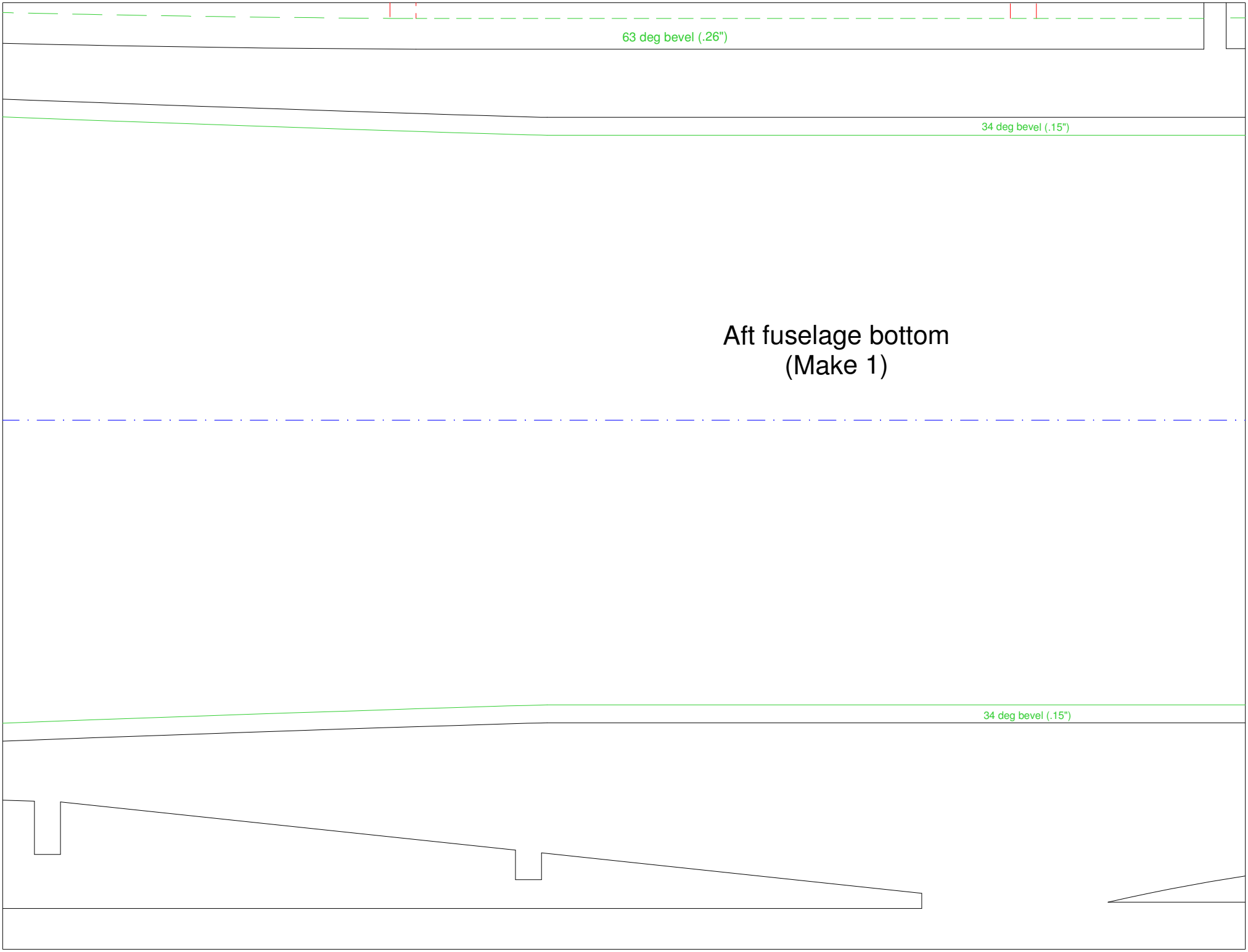
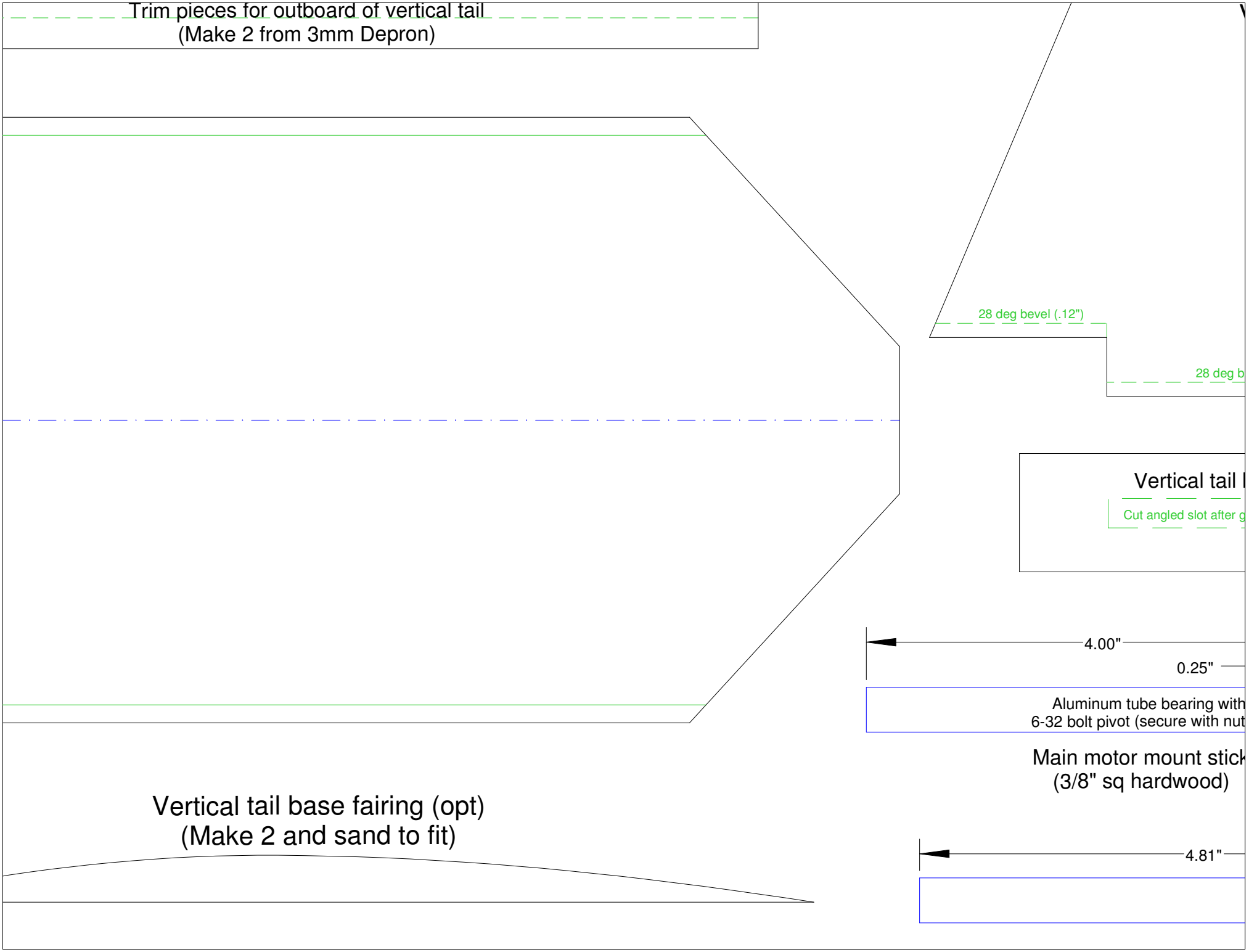

Bevel edges of
nozzles as shown
Bevel edges of
nozzles as shown
Fuselage top spine
(Make 1)


63 deg bevel (.26")
34 deg bevel (.15")
Aft fuselage bottom
(Make 1)
34 deg bevel (.15")


Trim pieces for outboard of vertical tail
(Make 2 from 3mm Depron)
28 deg bevel (.12")
28 deg b
Vertical tail
Cut angled slot after g
4.00"
0.25"
Aluminum tube bearing with
6-32 bolt pivot (secure with nut
Main motor mount stick
(3/8" sq hardwood)
Vertical tail base fairing (opt)
(Make 2 and sand to fit)
4.81"

Vertical tail
(Make 2)

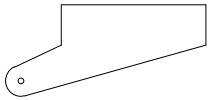
28 deg bevel (.12")

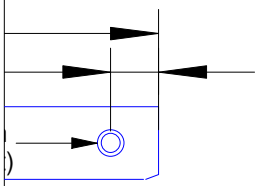
evel (.12")

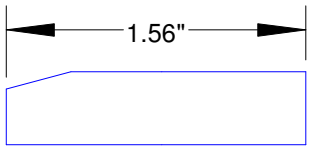
brace (Make 2)

luing this piece to the wing

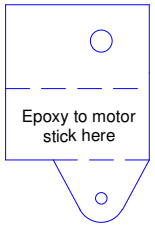
Rudder and flaperon control horns
(make 4 from 1/32" plywood)

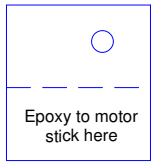




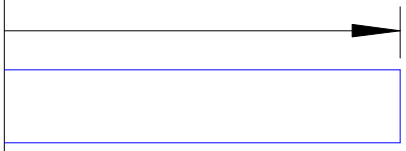


Movable portion of
motor mount stick
(3/8" sq hardwood)





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

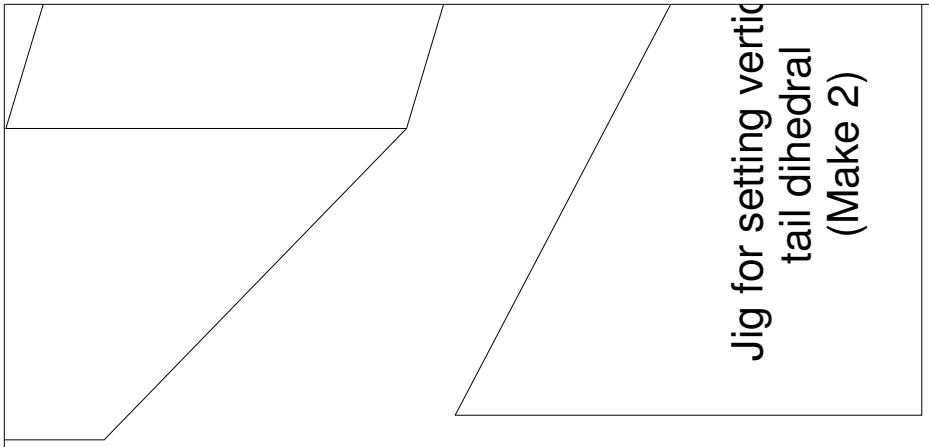


Motor mount stick
w/o thrust vectoring
(3/8" sq hardwood)

F/A-22 R

Designed

All parts made fr
foam unle

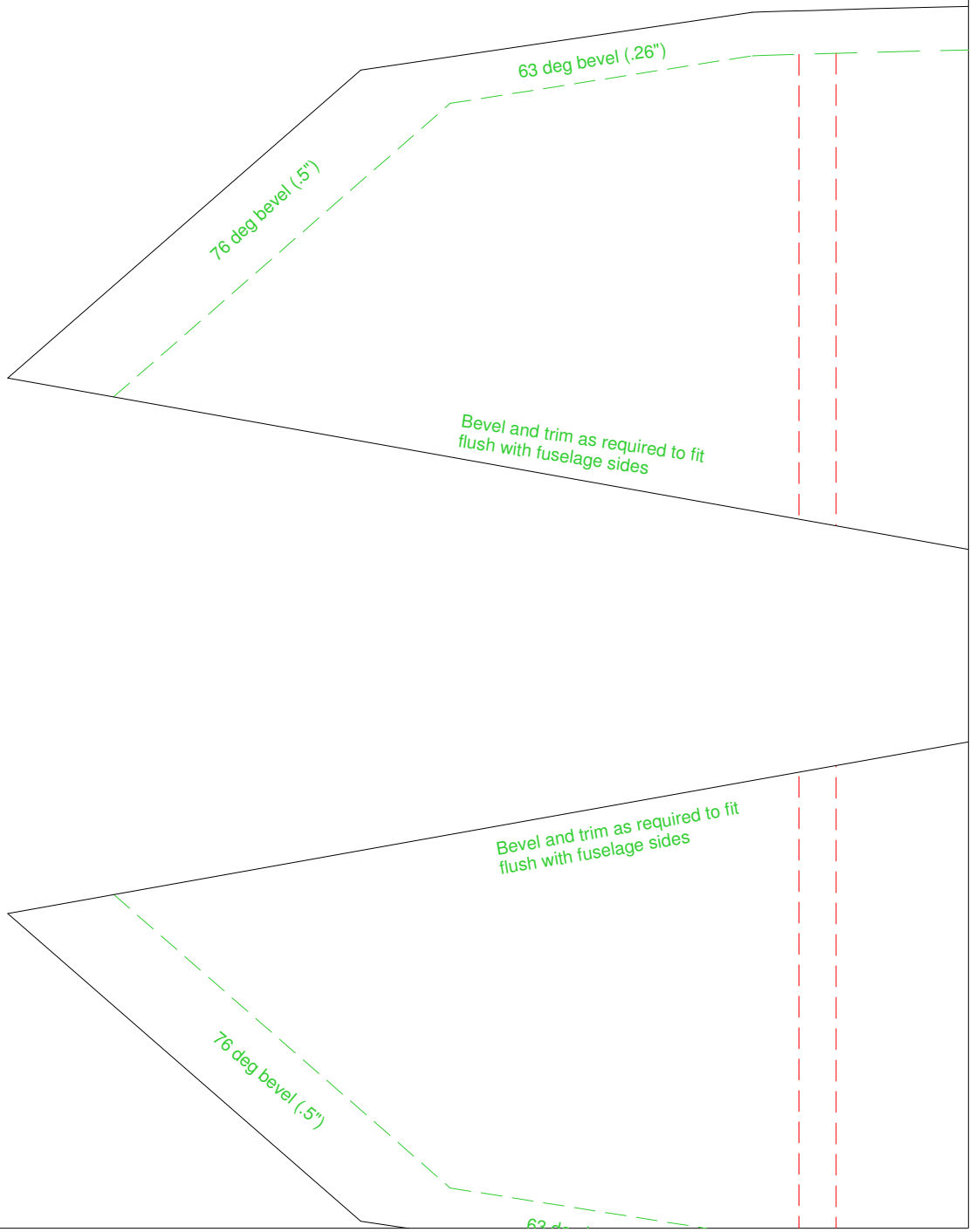


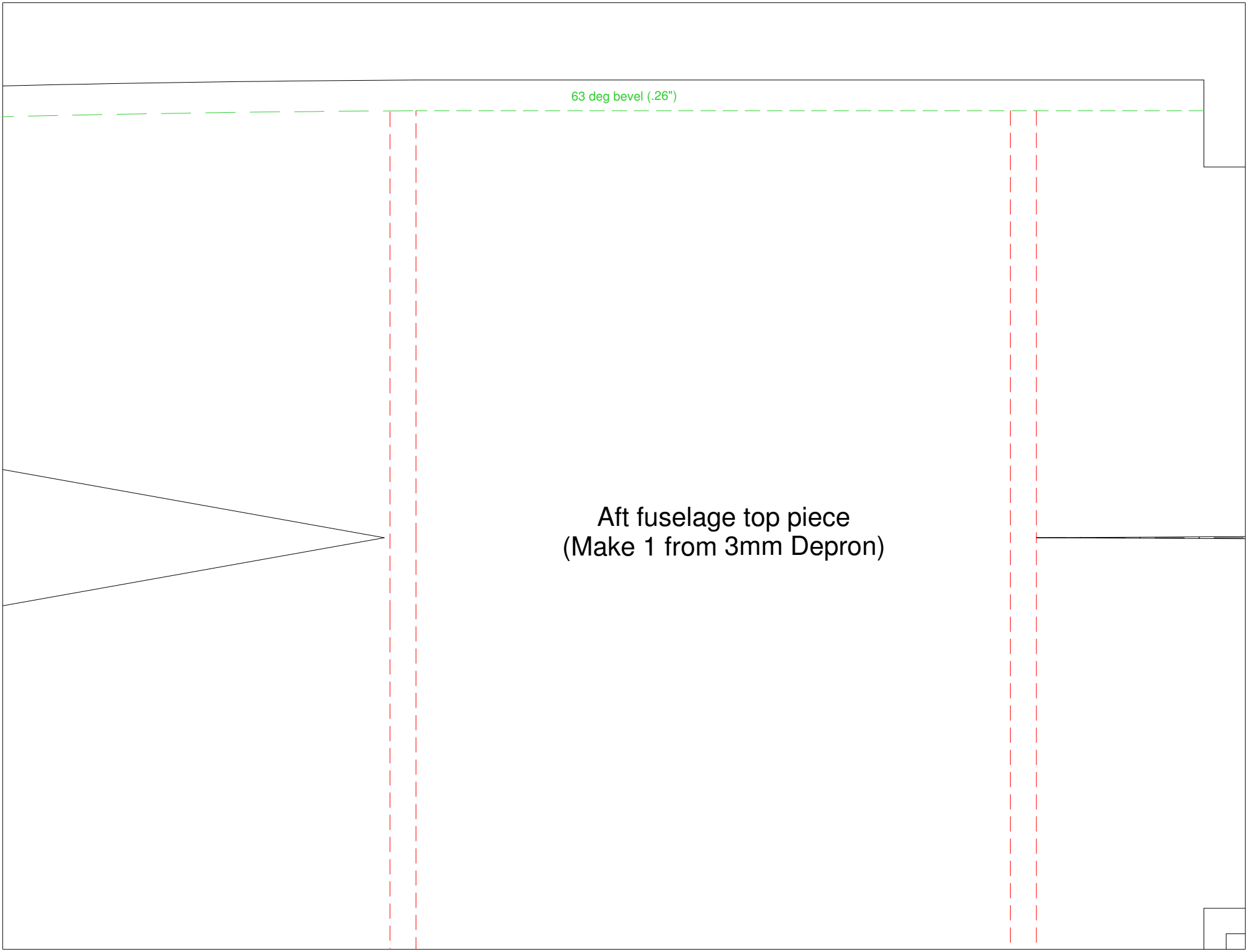
Jig for setting vertic
tail dihedral
(Make 2)

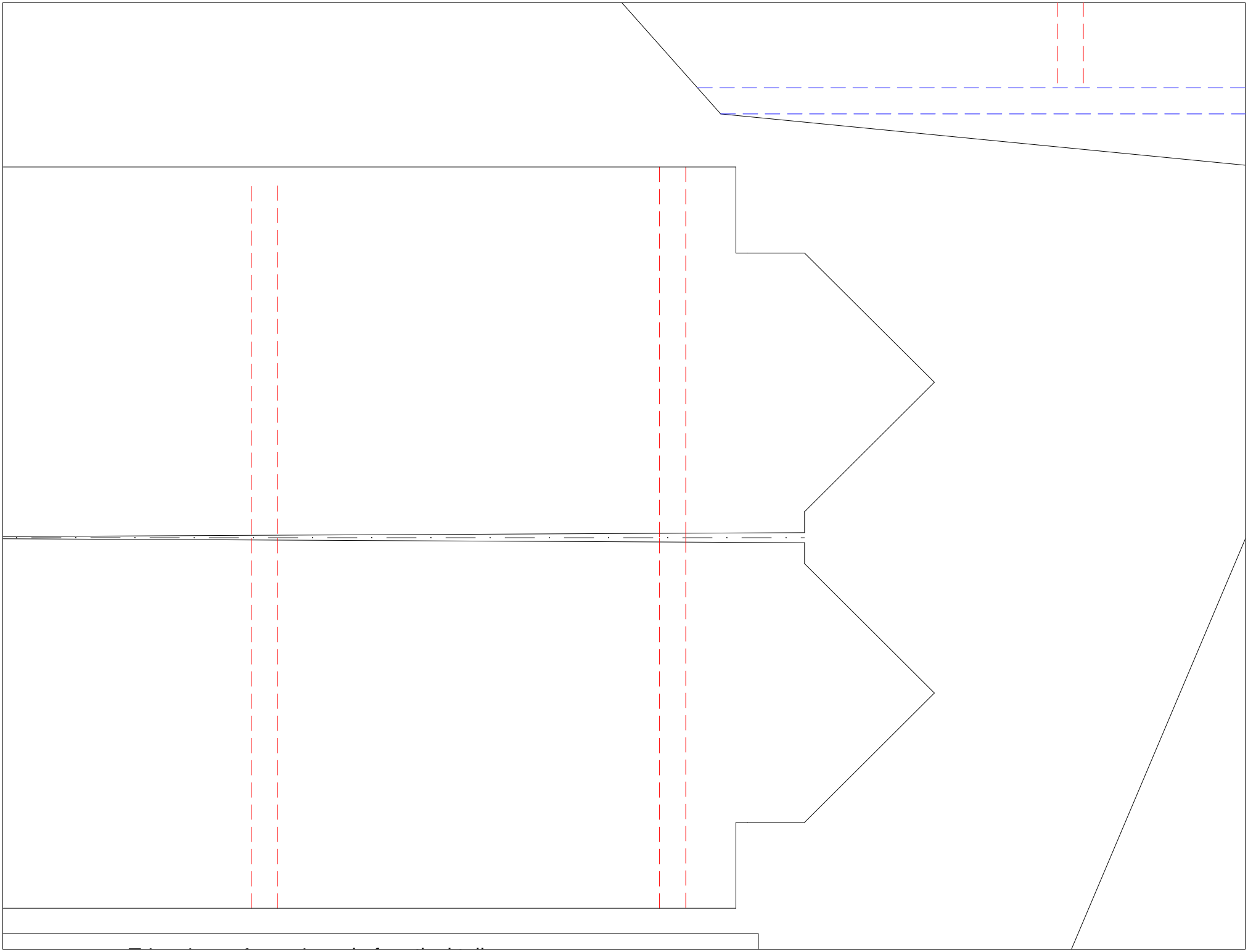
aptor Park Jet

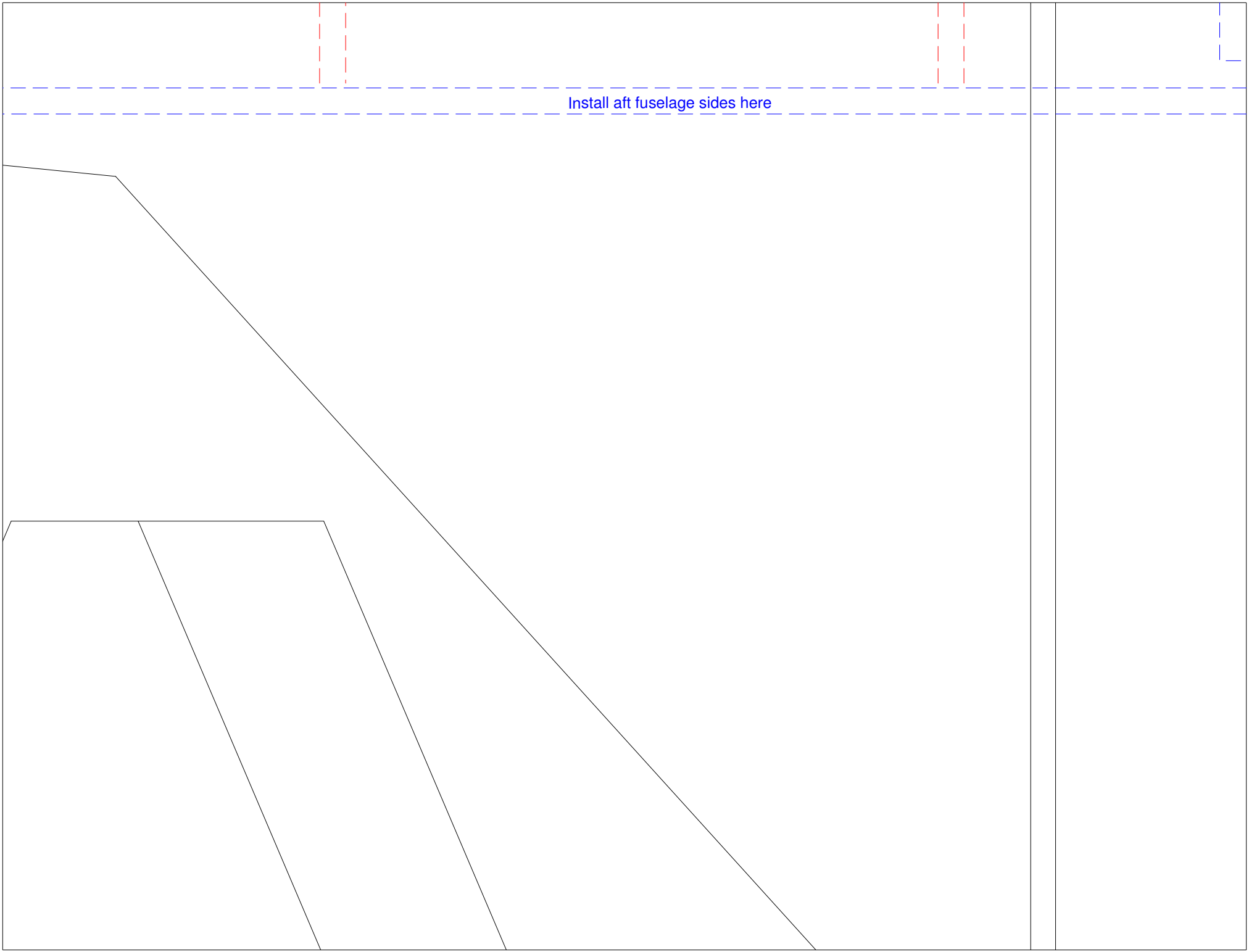
d by Steve Shumate

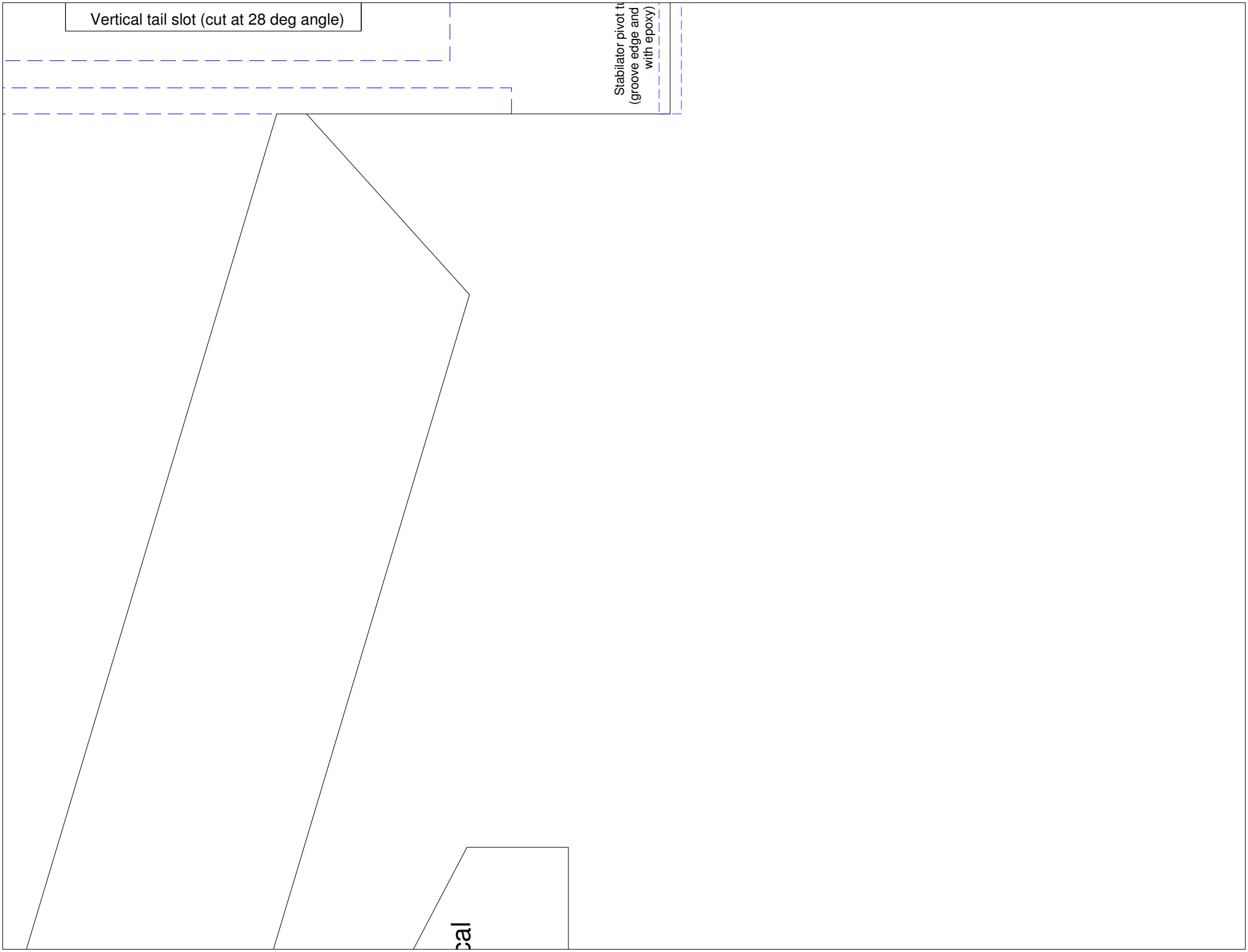
om 6mm Depron or BlueCore
ess otherwise specified


63 deg bevel (.26")
76 deg bevel (.5")
Bevel and trim as required to fit
flush with fuselage sides
Bevel and trim as required to fit
flush with fuselage sides
76 deg bevel (.5")


63 deg bevel (.26")
Aft fuselage top piece
(Make 1 from 3mm Depron)




Install aft fuselage sides here

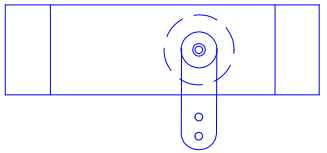

Vertical tail slot (cut at 28 deg angle)
Stabilator pivot tu
(groove edge and
with epoxy)
cal

Forward fuselage top
(Make 1)

34 deg bevel (.08")

Inlet divert
(Make 2 from

Tab fits into
slot in wing



Thrust vector servo
(HS-85MG shown)

width to allow trimming to shape)

er
3mm)

34 deg bevel (.08")

Inboard inlet side
(Make 2 from 3mm)

34 deg bevel (.08")

Temporary bulkhead
to help position fuselage
sides on wing during
assembly (Make 4)

Tab fits into
slot in wing

Cutout to clear
rudder servo

Stabilator servo

Motor stick cutout

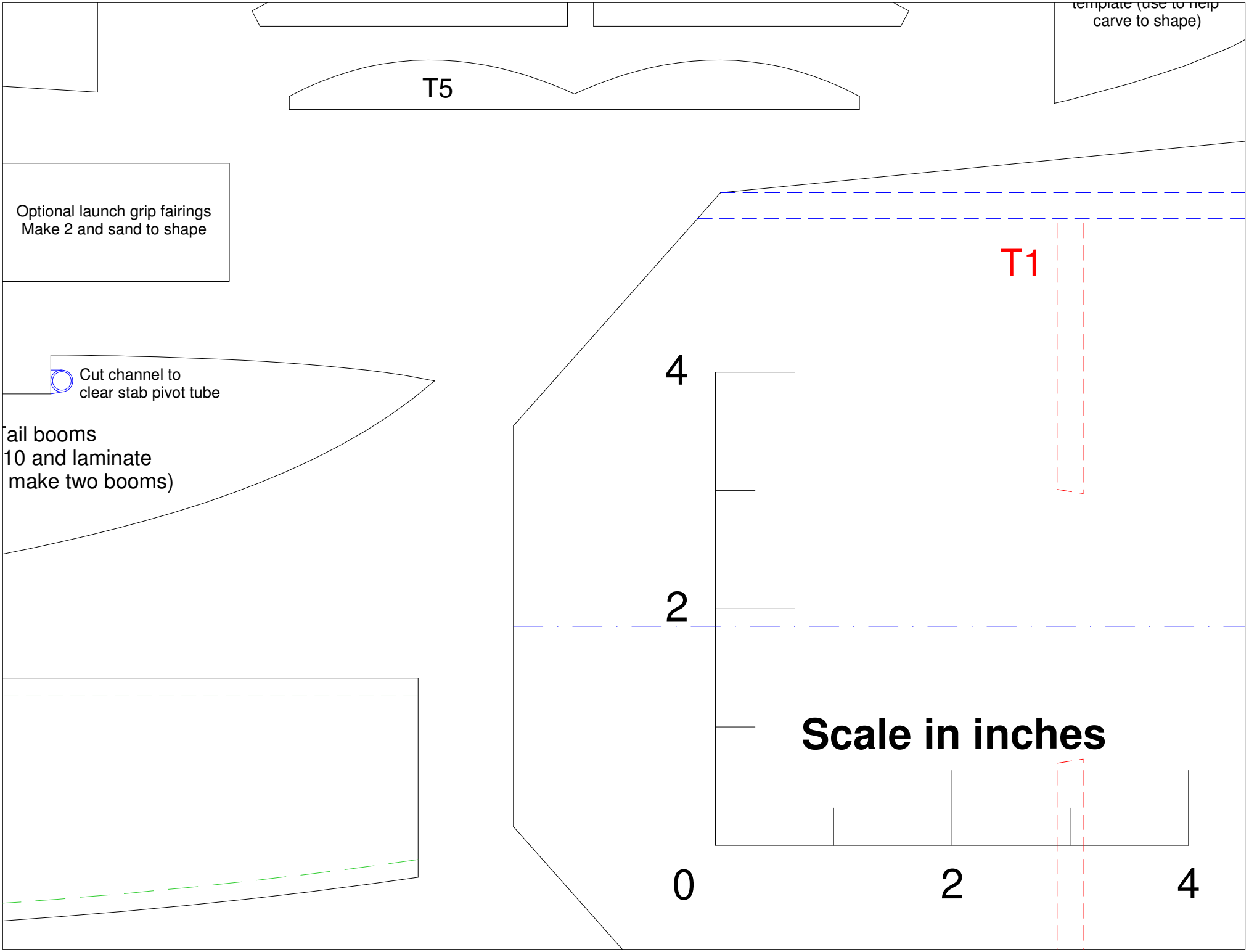
Fuselage centerline support
and motor mount
(Make 2 and laminate)

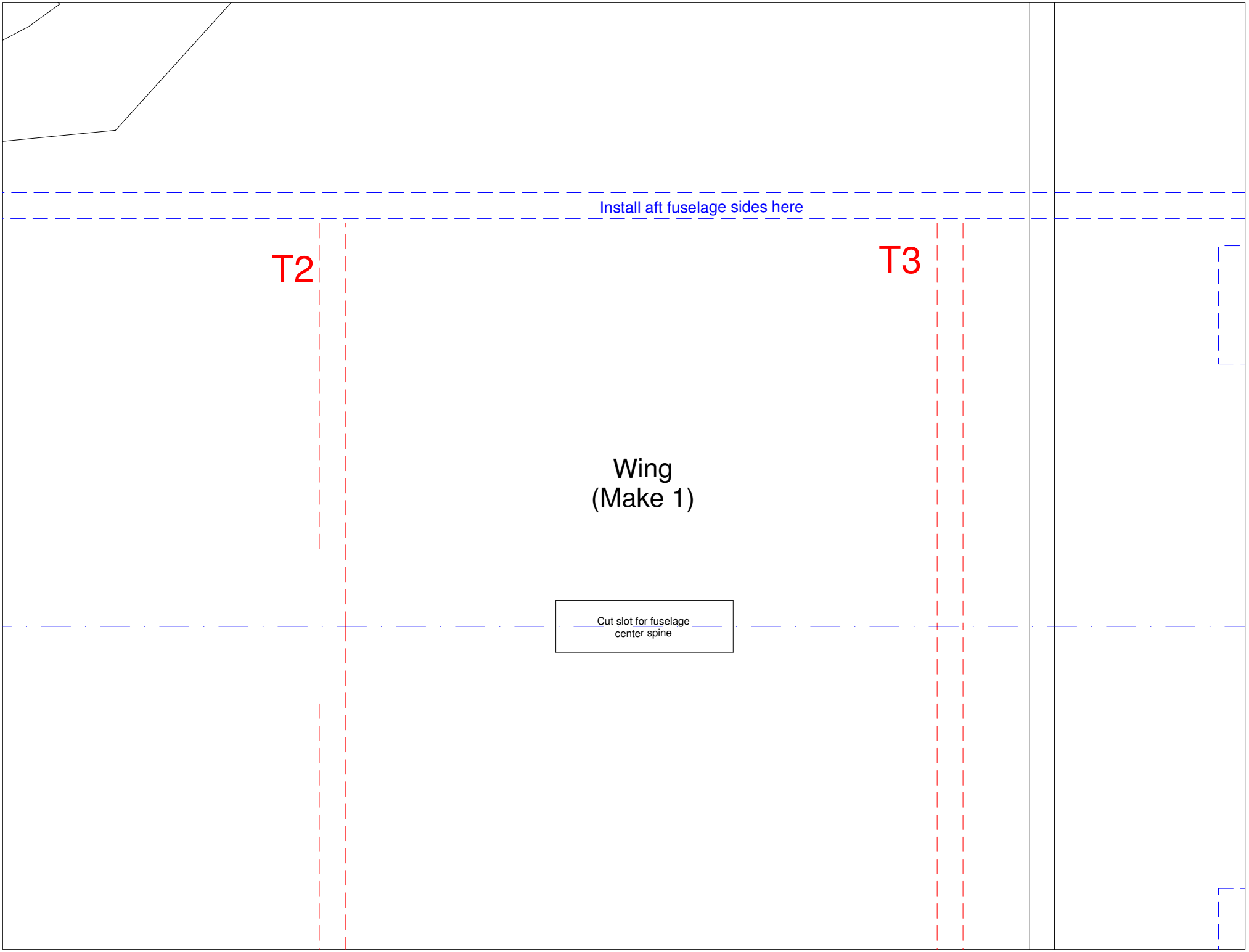
T
(Make
5 each to

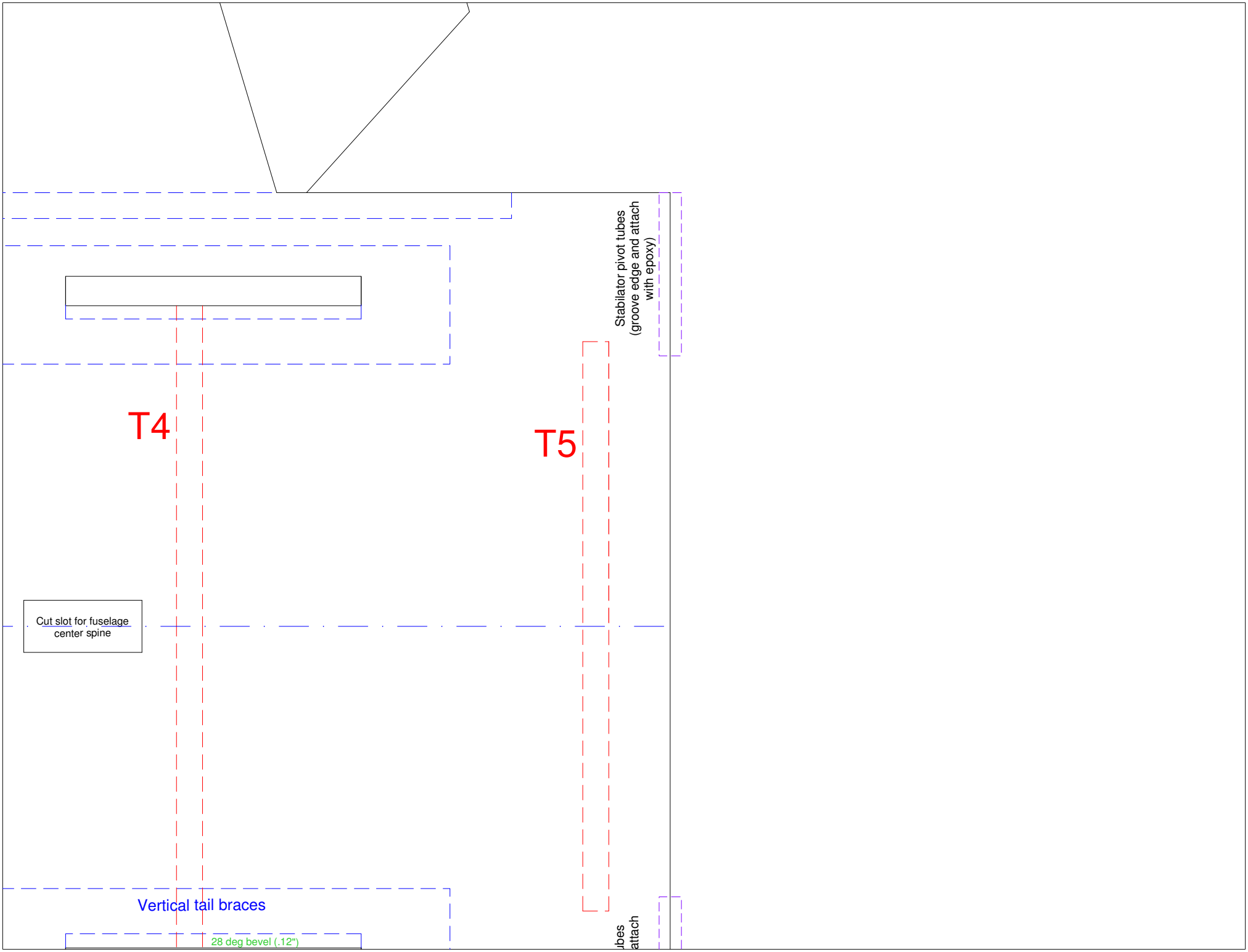
34 deg bevel (.15")

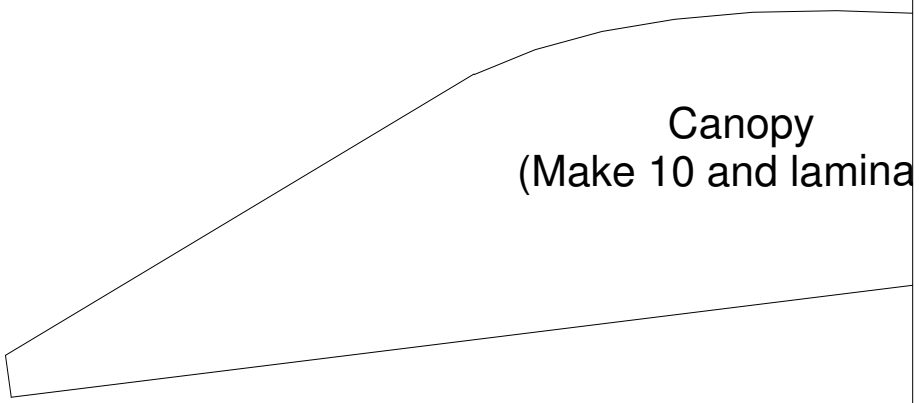
Aft fuselage side
(Make 2)

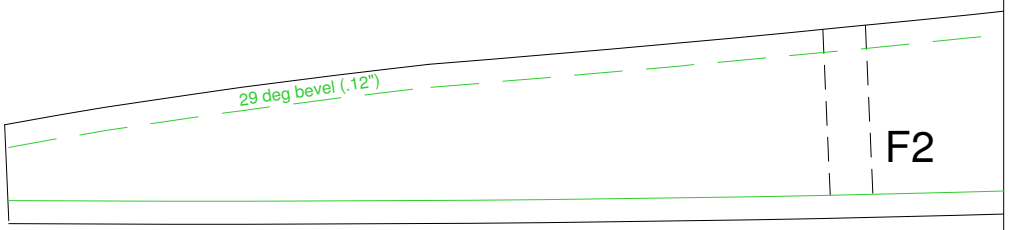
34 deg bevel (.15")

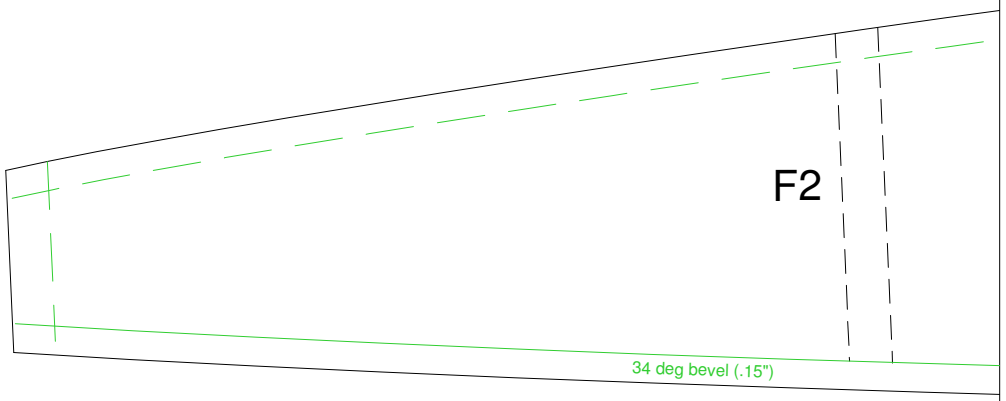

template (use to help
carve to shape)
T5
Optional launch grip fairings
Make 2 and sand to shape
T1
Cut channel to
clear stab pivot tube
ail booms
10 and laminate
make two booms)
4
2
Scale in inches
0
2
4


Install aft fuselage sides here
T2
T3
Wing
(Make 1)
Cut slot for fuselage
center spine

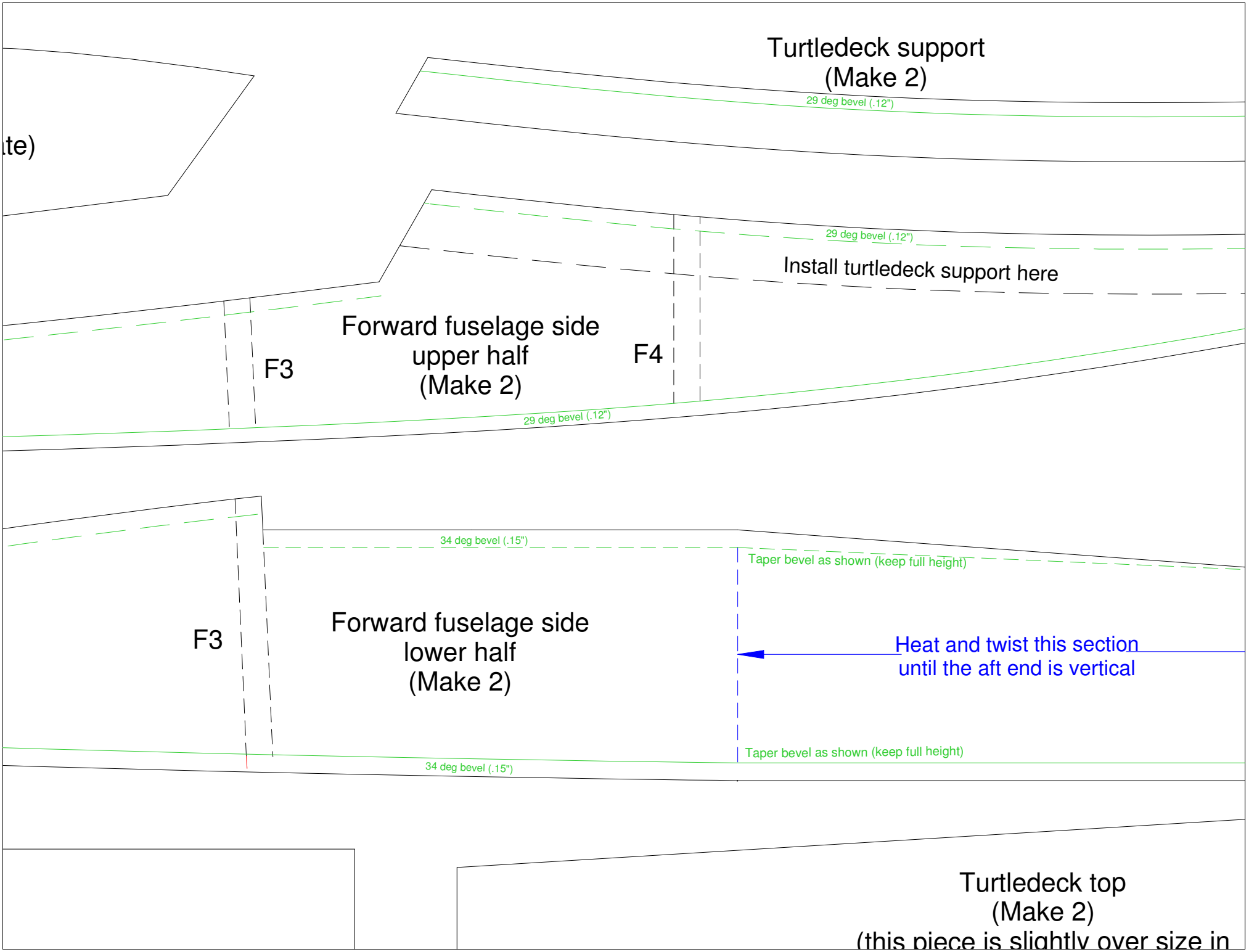

Stabilator pivot tubes
(groove edge and attach
with epoxy)
T4
T5
Cut slot for fuselage
center spine
Vertical tail braces
28 deg bevel (.12")

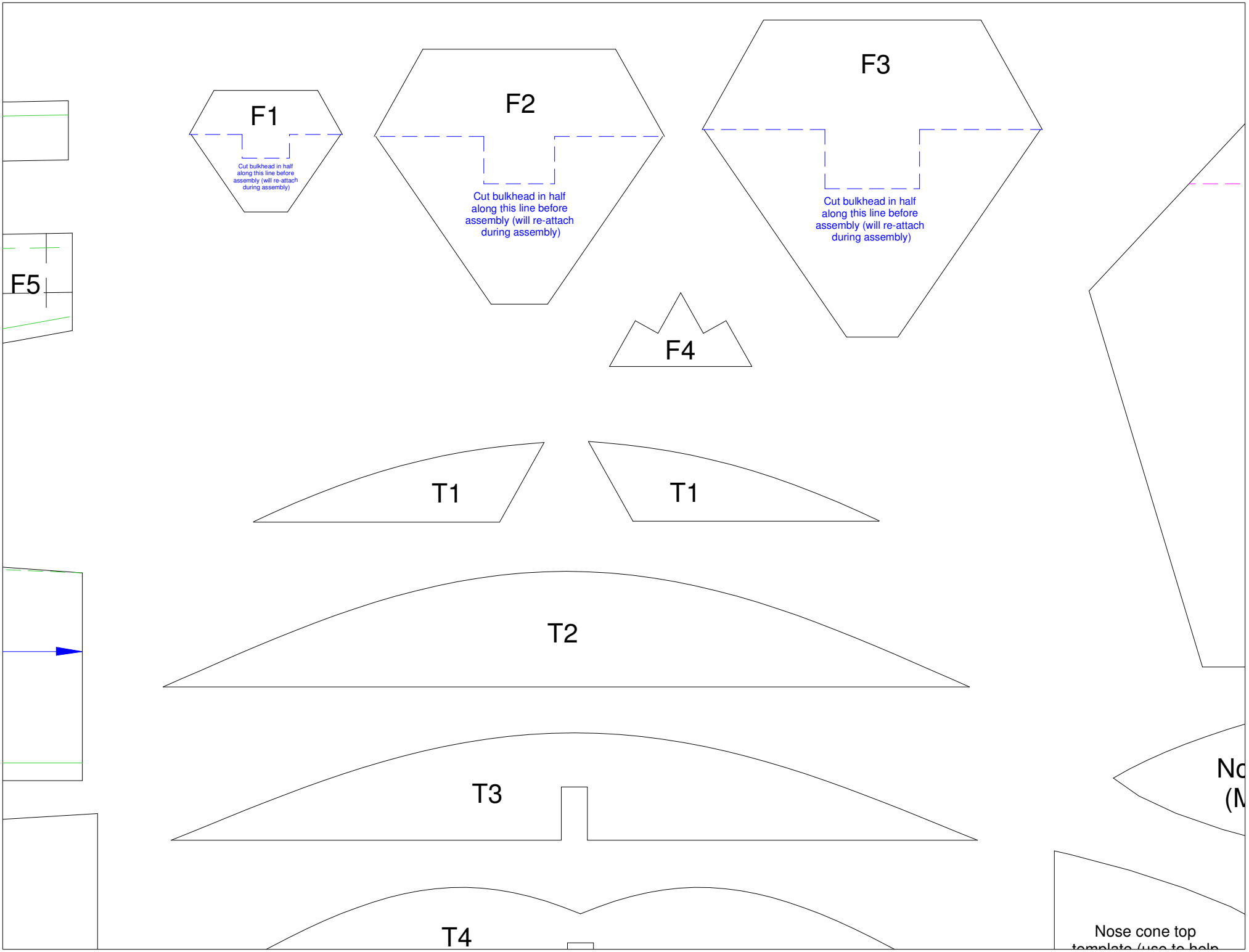


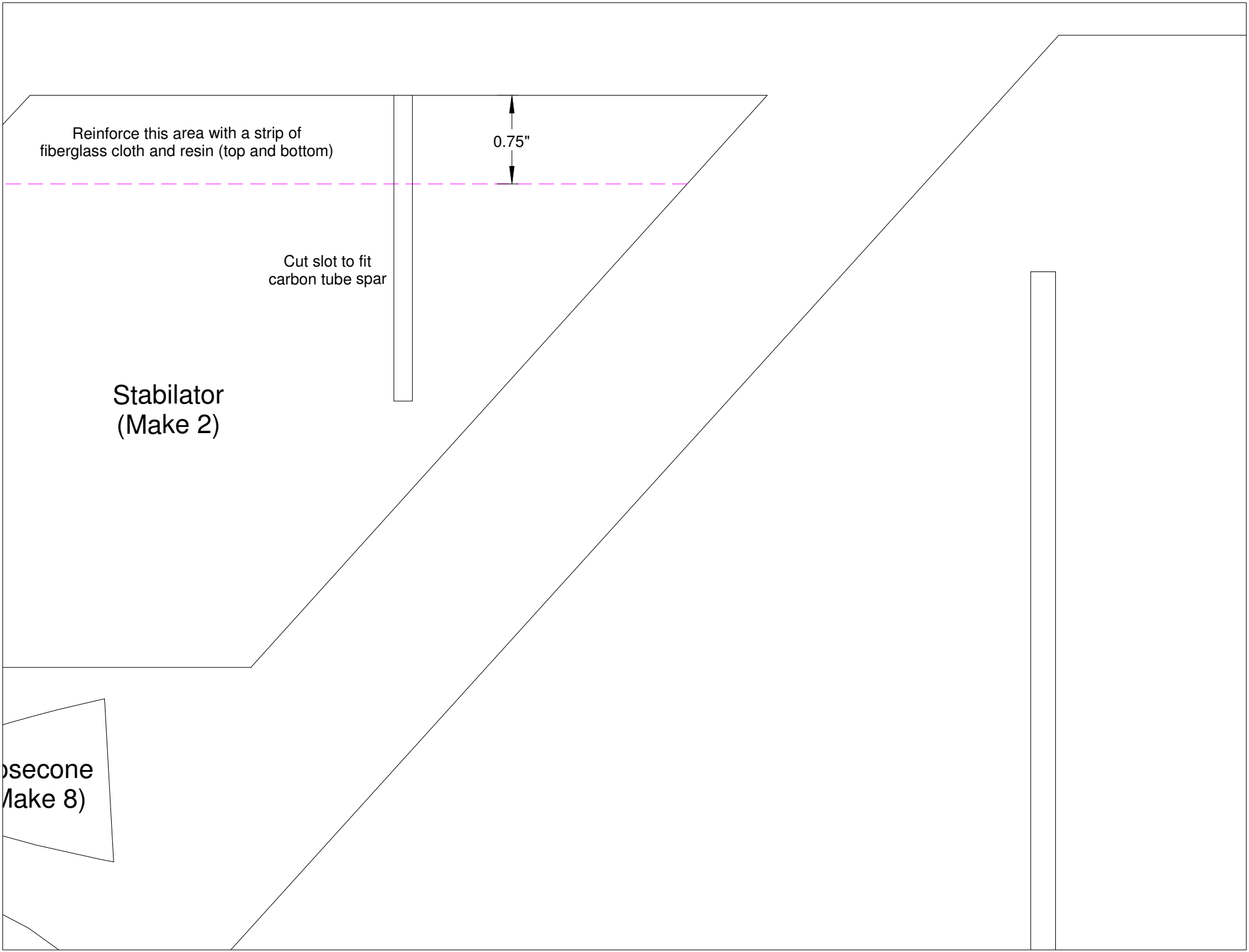




Forward fuselage
bottom
(Make 1)


te)
Turtledeck support
(Make 2)
29 deg bevel (.12")
29 deg bevel (.12")
Install turtledeck support here
F3
Forward fuselage side
upper half
(Make 2)
F4
29 deg bevel (.12")
34 deg bevel (.15")
Taper bevel as shown (keep full height)
F3
Forward fuselage side
lower half
(Make 2)
Heat and twist this section
until the aft end is vertical
Taper bevel as shown (keep full height)
34 deg bevel (.15")
Turtledeck top
(Make 2)
(this piece is slightly over size in


F1
Cut bulkhead in half along this line before assembly (will re-attach during assembly)
F2
Cut bulkhead in half along this line before assembly (will re-attach during assembly)
F3
Cut bulkhead in half along this line before assembly (will re-attach during assembly)
F5
F4
T1
T1
T2
T3
T4
Nose cone top


Reinforce this area with a strip of
fiberglass cloth and resin (top and bottom)
0.75"
Cut slot to fit
carbon tube spar
Stabilator
(Make 2)
osecone
Make 8)