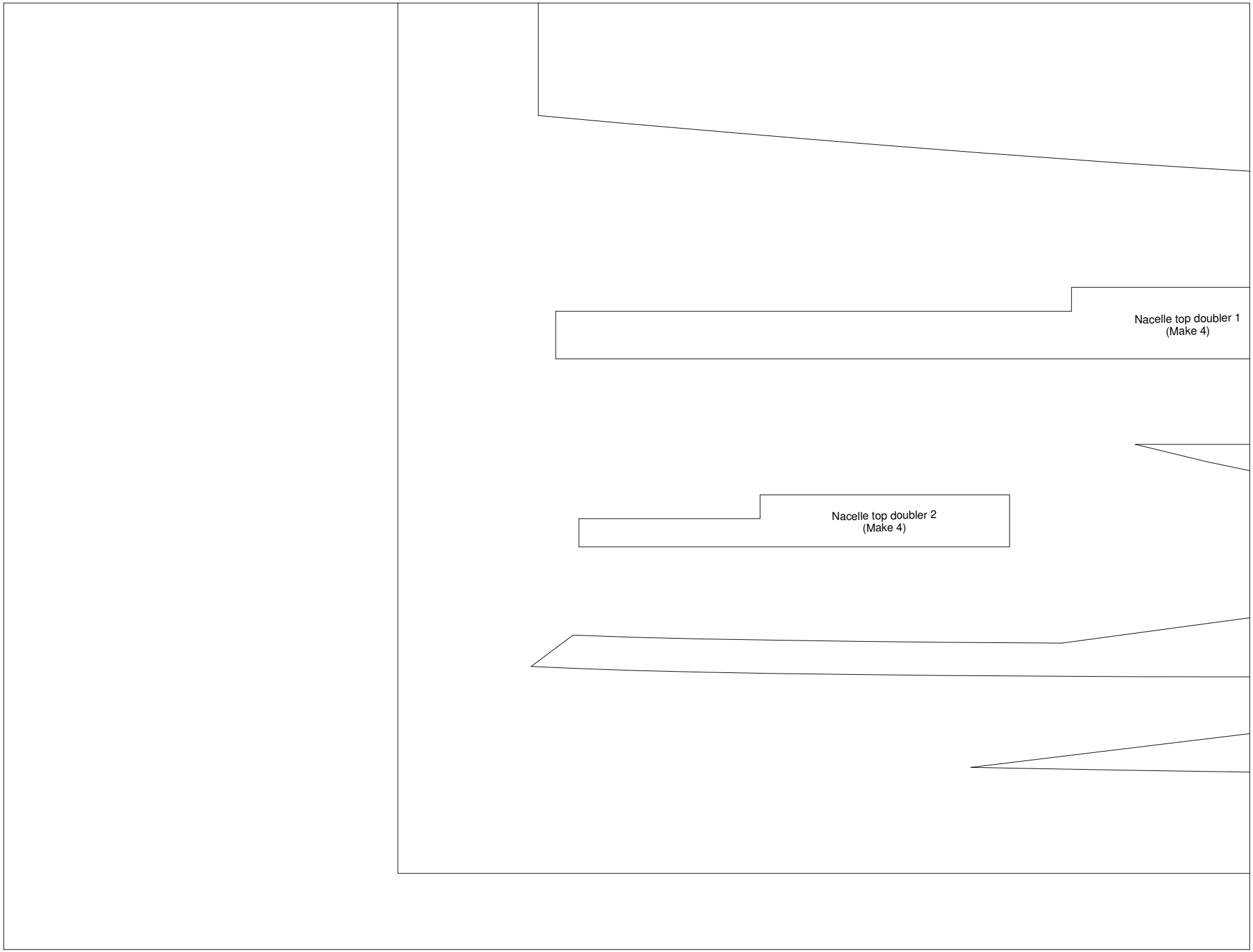
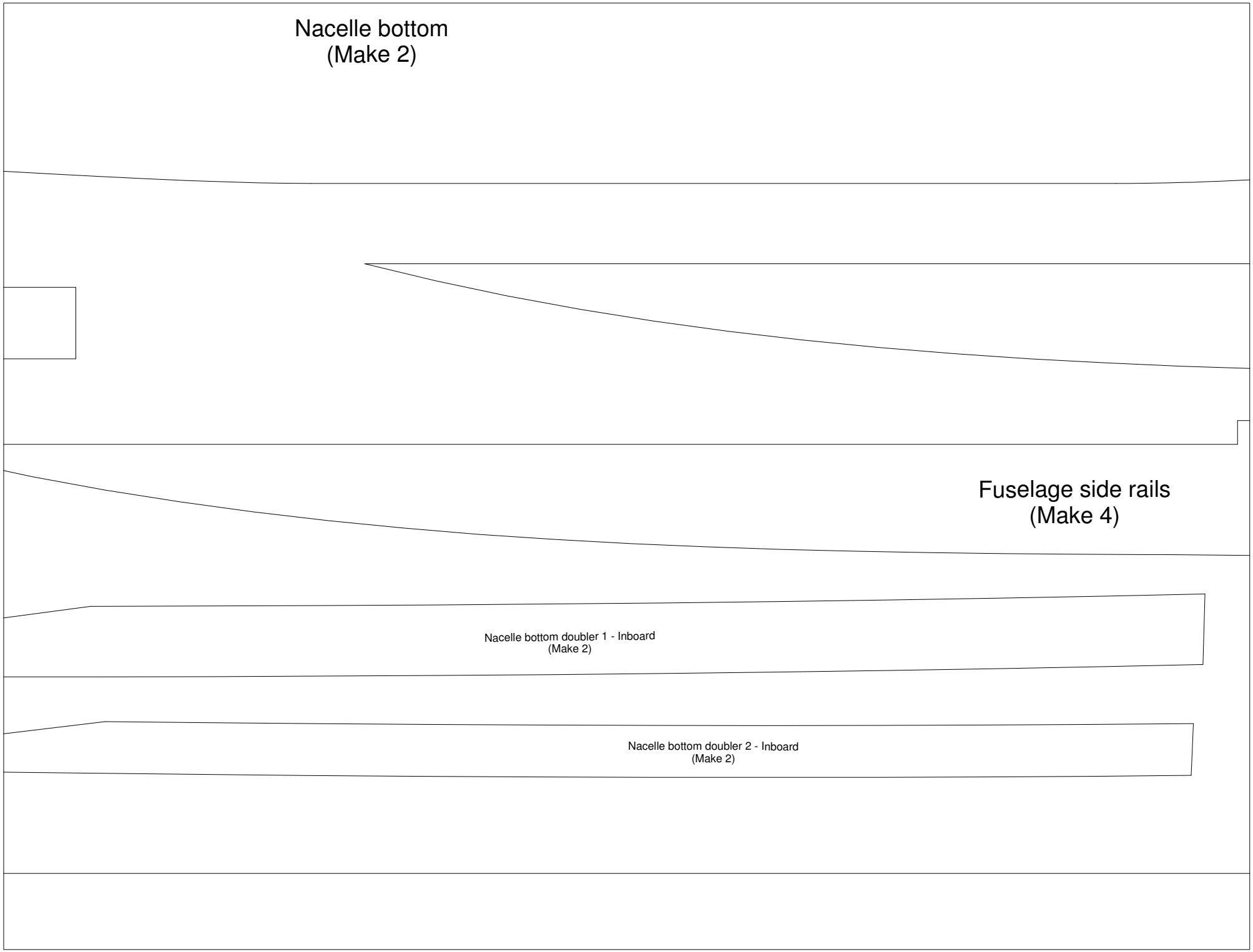
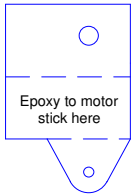

Nacelle top doubler 1
(Make 4)
Nacelle top doubler 2
(Make 4)


Nacelle bottom
(Make 2)
Fuselage side rails
(Make 4)
Nacelle bottom doubler 1 - Inboard
(Make 2)
Nacelle bottom doubler 2 - Inboard
(Make 2)

(Make 2)



Epoxy to
stick h

Side plates for thru
vectoring motor mo
(Make 2 each from 1/

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

2.91"

0.22

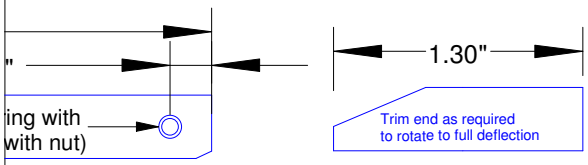
1/8" O.D. brass tube bear
3-48 bolt pivot (secure

Main motor moun
(3/8" sq hardwo

motor
ere

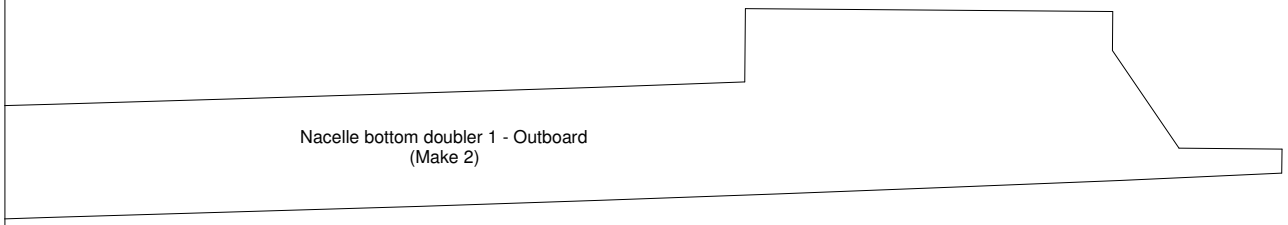
Note: If using a motor other than the LSPJ, modify the height of the side plates to ensure the centerline of the motor is aligned with the pivot bolt (to minimize strain on the servo)

ust
ount
8" ply)

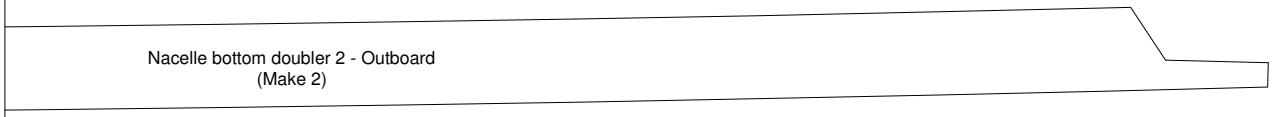


t stick
ood)

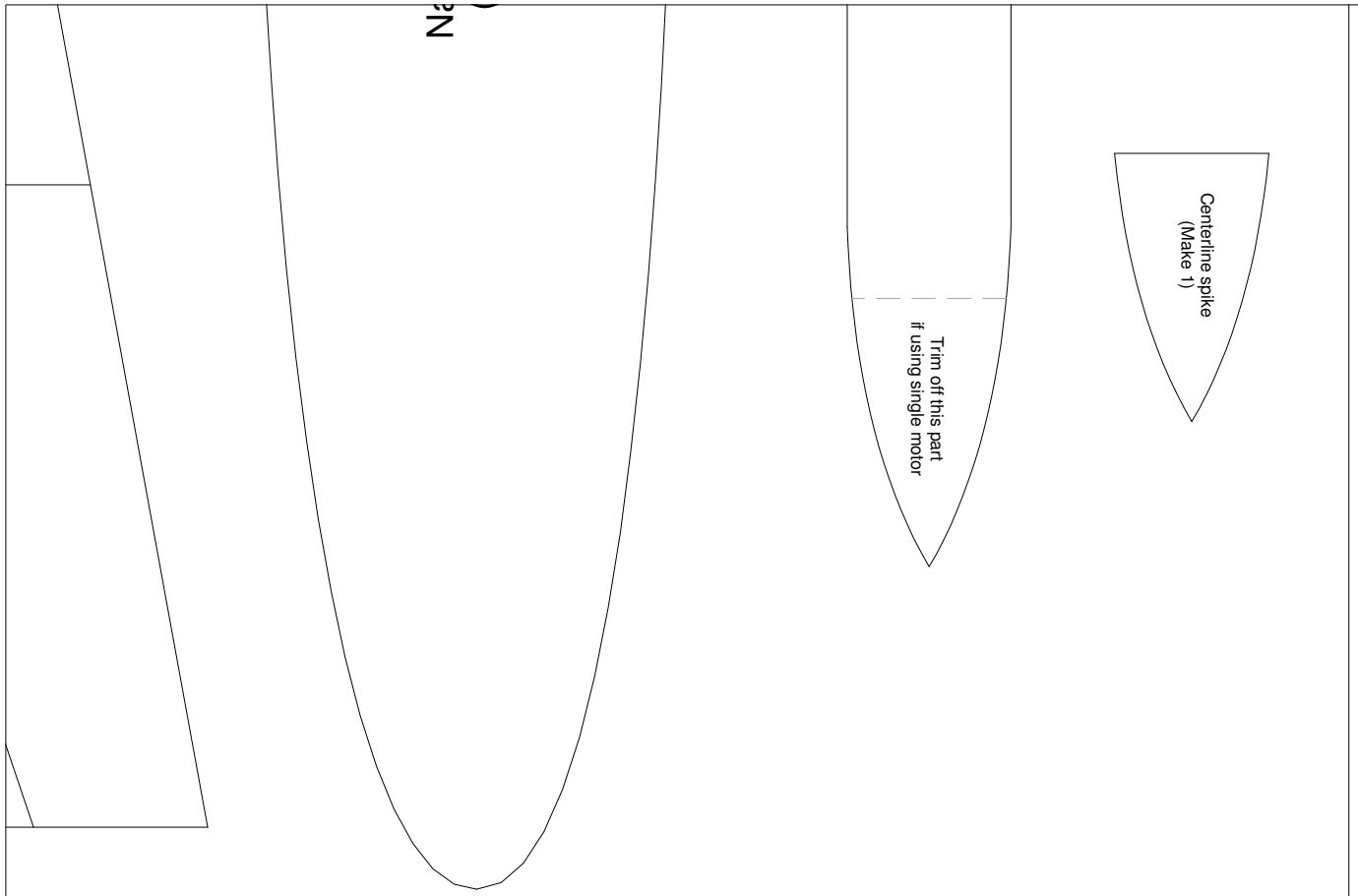
Movable portion of
motor mount stick
(3/8" sq hardwood)



Nacelle bottom doubler 1 - Outboard
(Make 2)



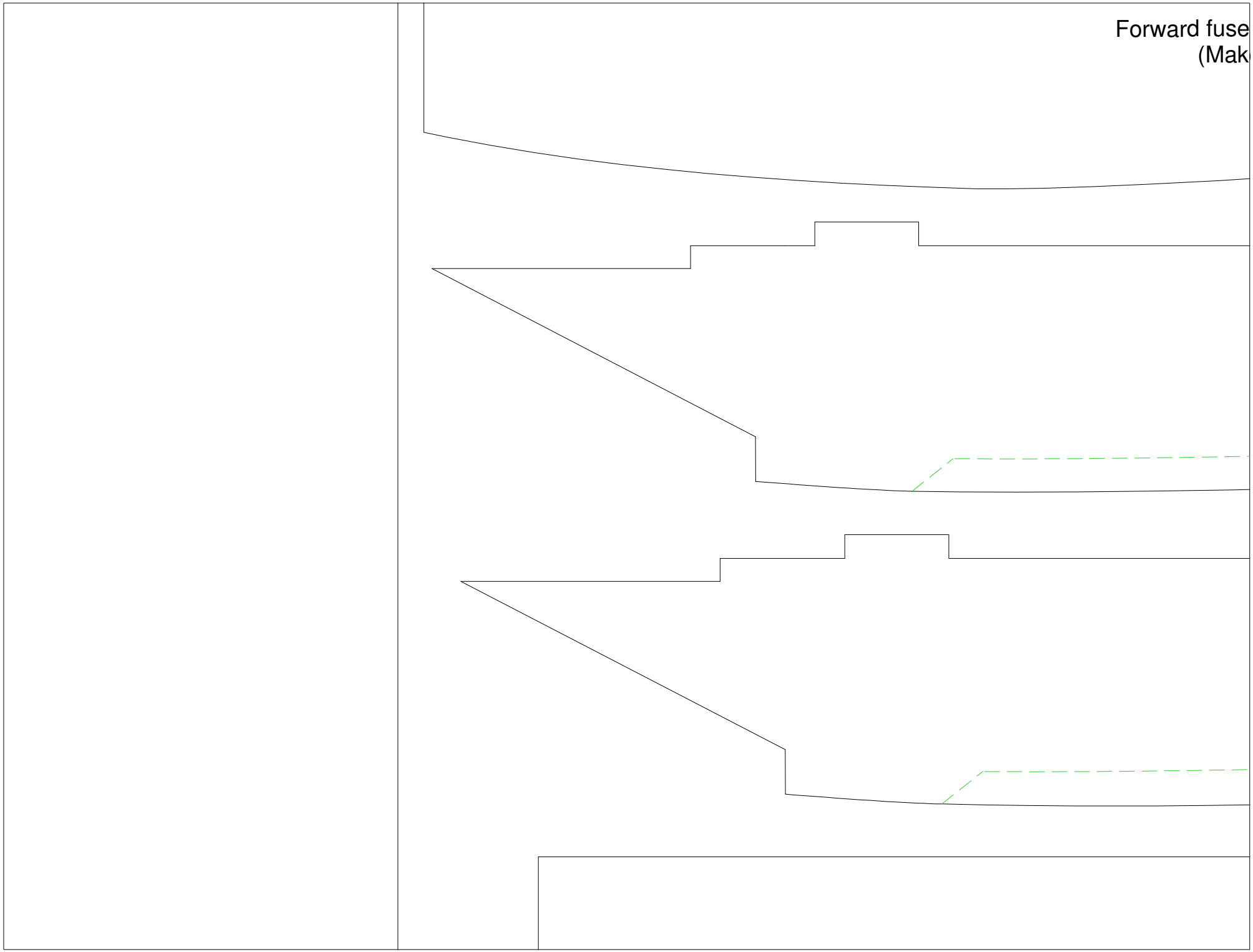
Nacelle bottom doubler 2 - Outboard
(Make 2)

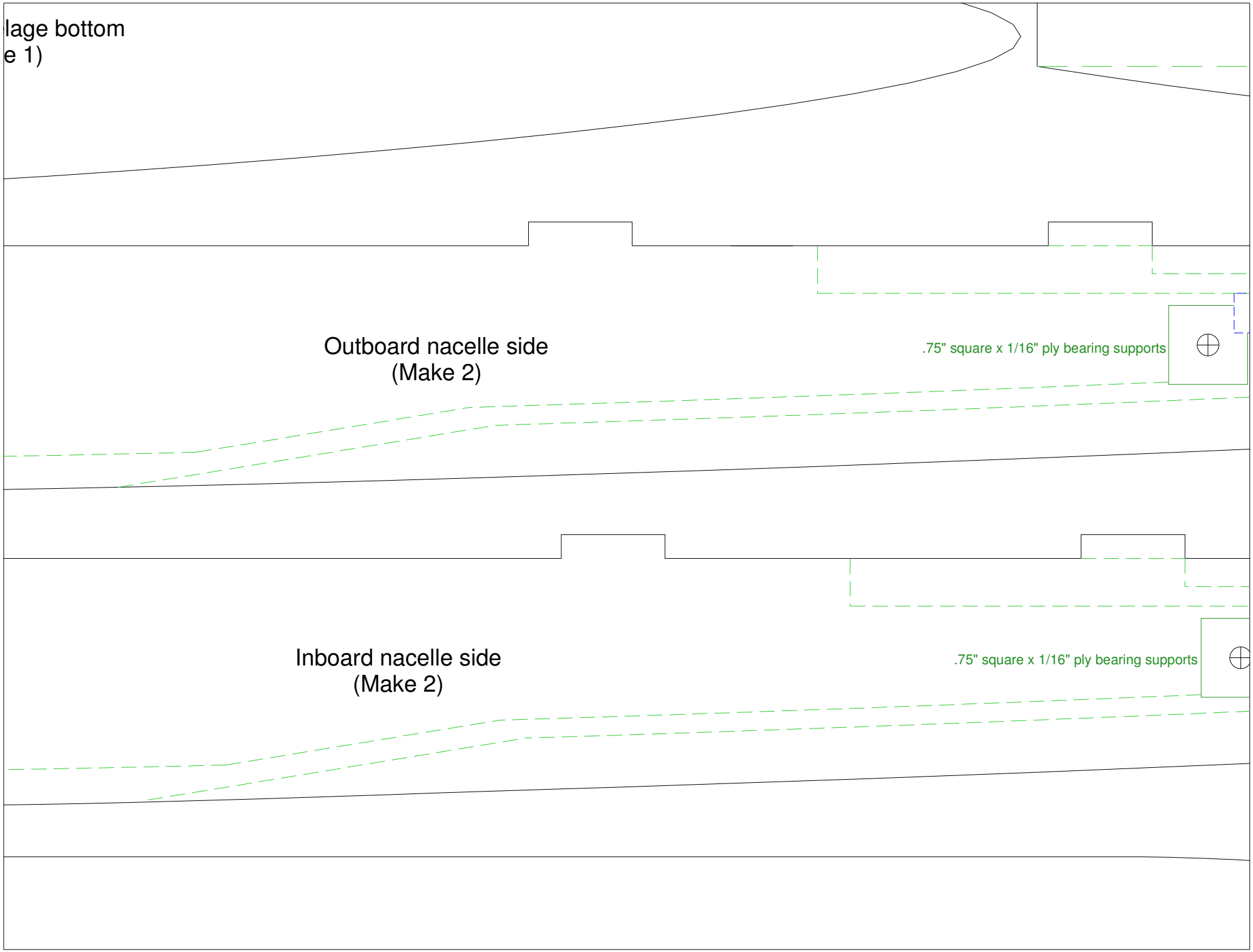


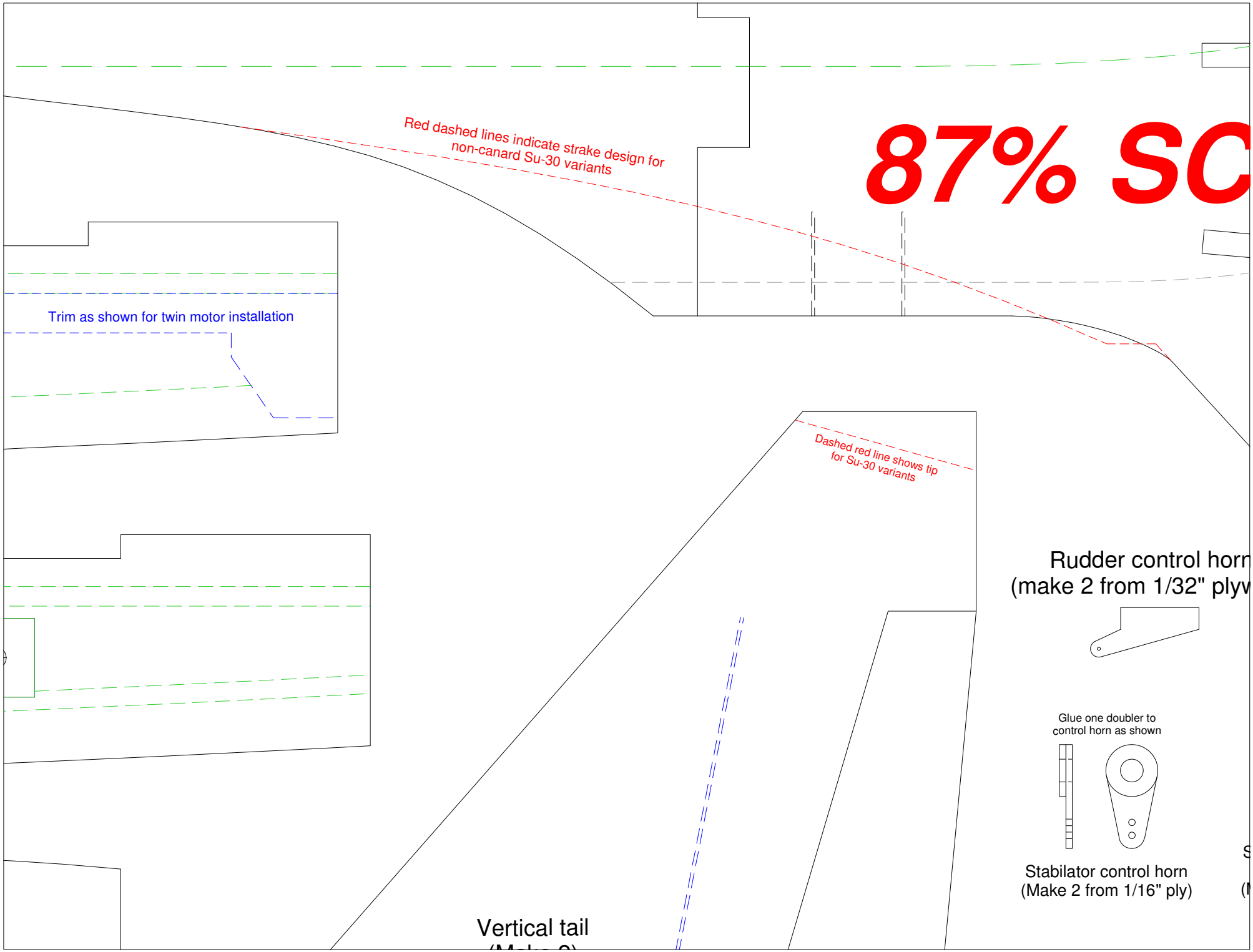
Su-37 Super Flanker Park Jet

Designed by Steve Shumate

All parts made from 6mm Depron or BlueCore foam unless otherwise specified


Forward fuse
(Mak


lage bottom
e 1)
Outboard nacelle side
(Make 2)
.75" square x 1/16" ply bearing supports
Inboard nacelle side
(Make 2)
.75" square x 1/16" ply bearing supports


87% SC
Red dashed lines indicate strake design for non-canard Su-30 variants
Trim as shown for twin motor installation
Dashed red line shows tip for Su-30 variants
Rudder control horn
(make 2 from 1/32" plyw
Glue one doubler to control horn as shown
Stabilator control horn
(Make 2 from 1/16" ply)
Vertical tail

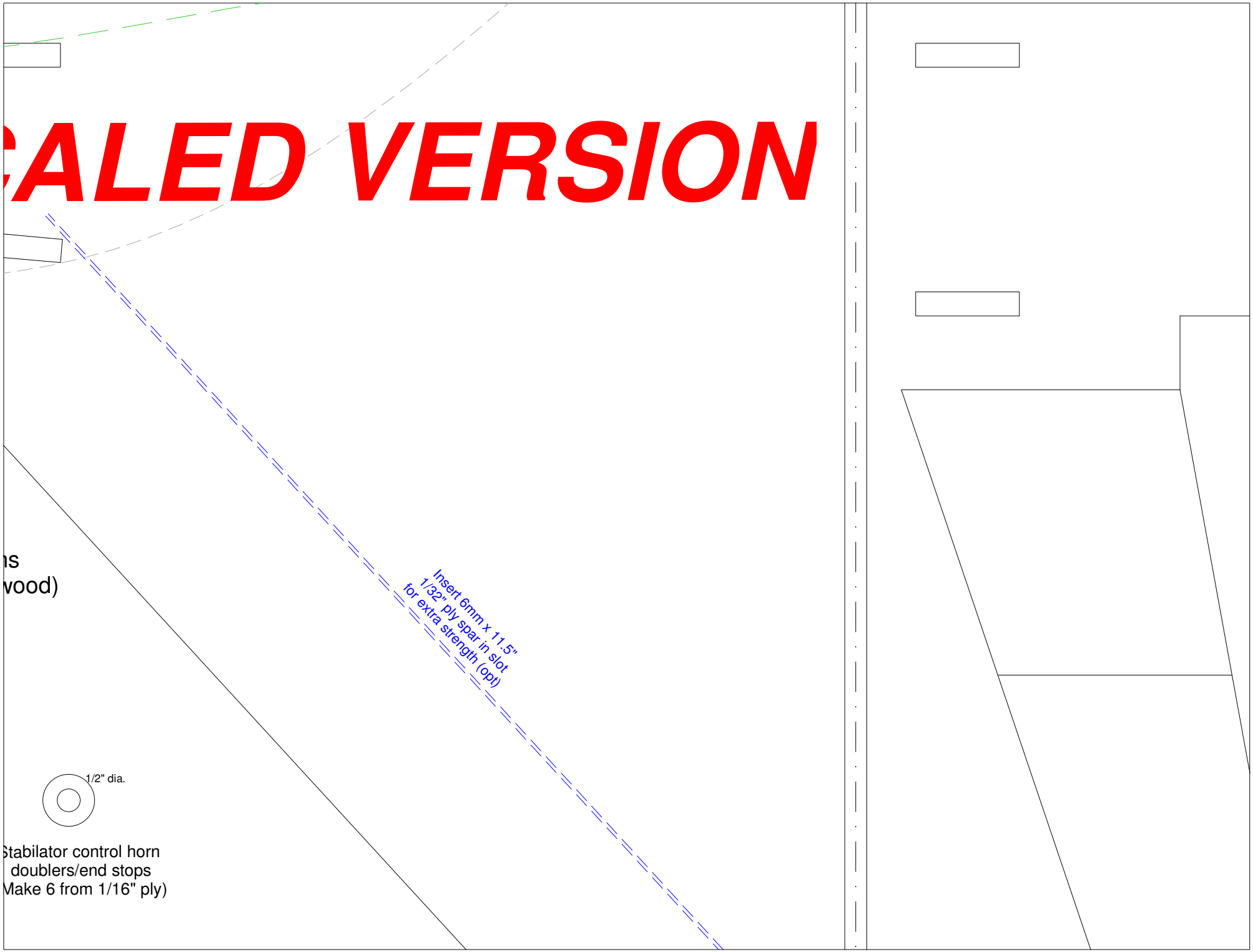
CALED VERSION

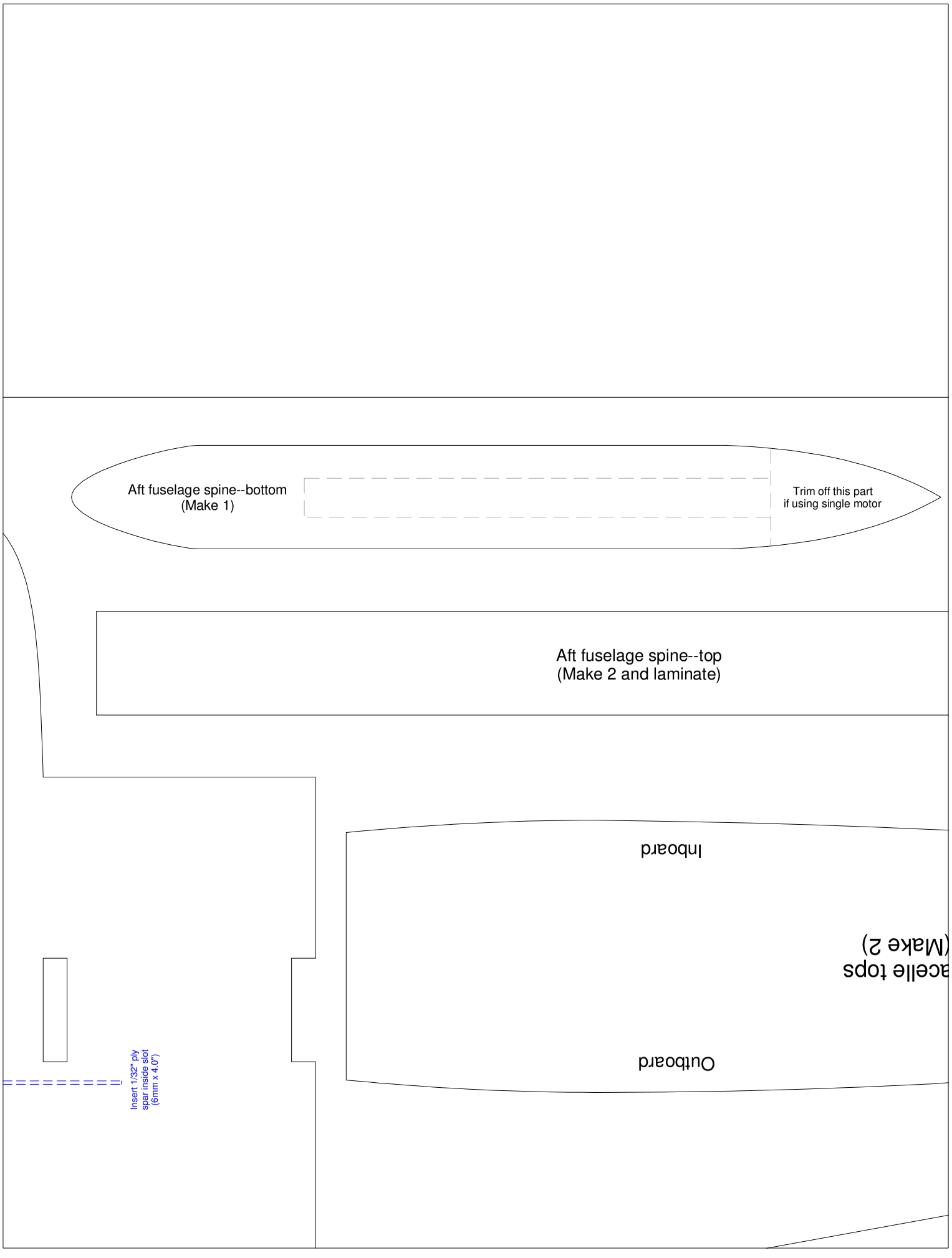
ns
wood)

Insert 6mm x 11.5"
1/32" ply spar in slot
for extra strength (opt)

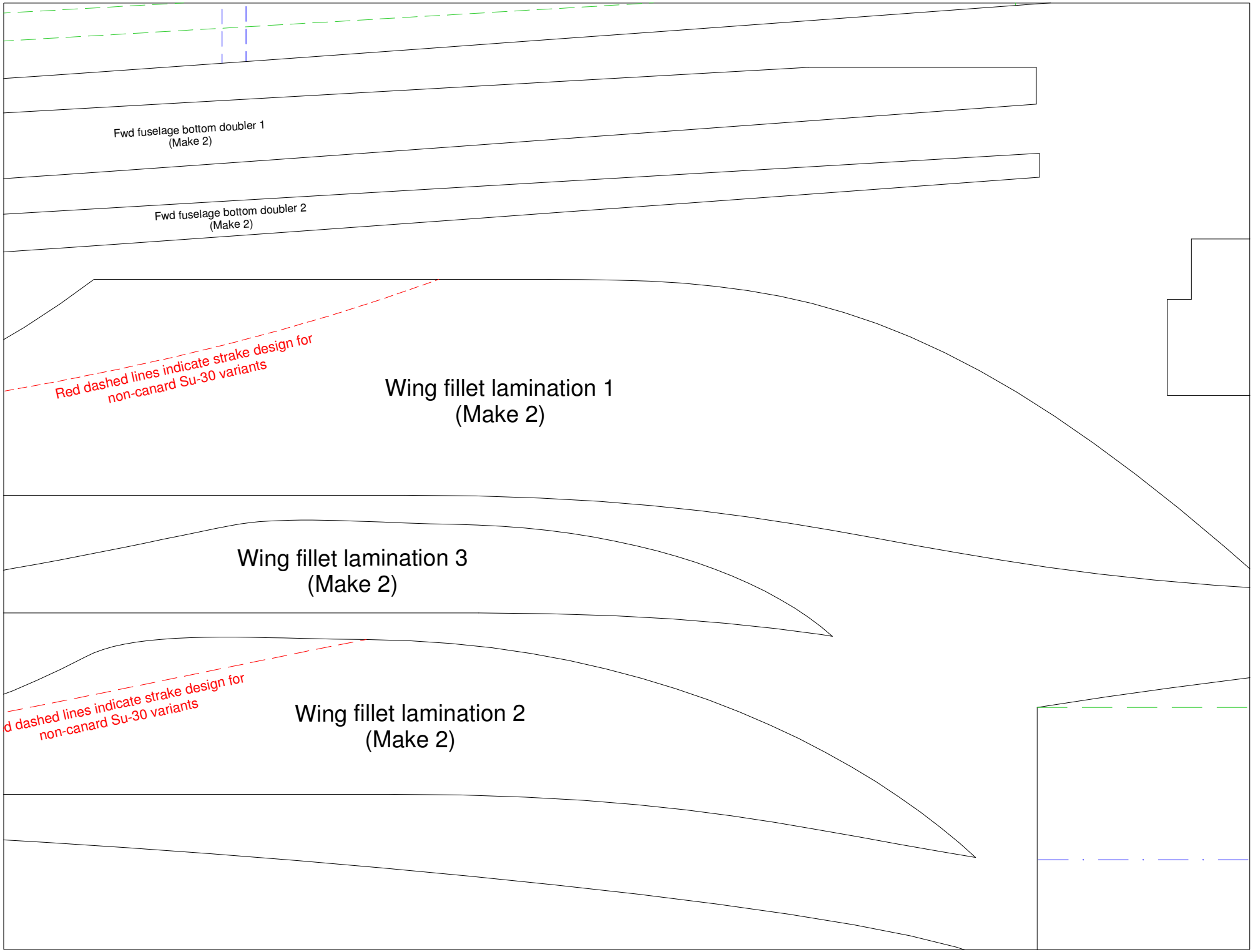
1/2" dia.

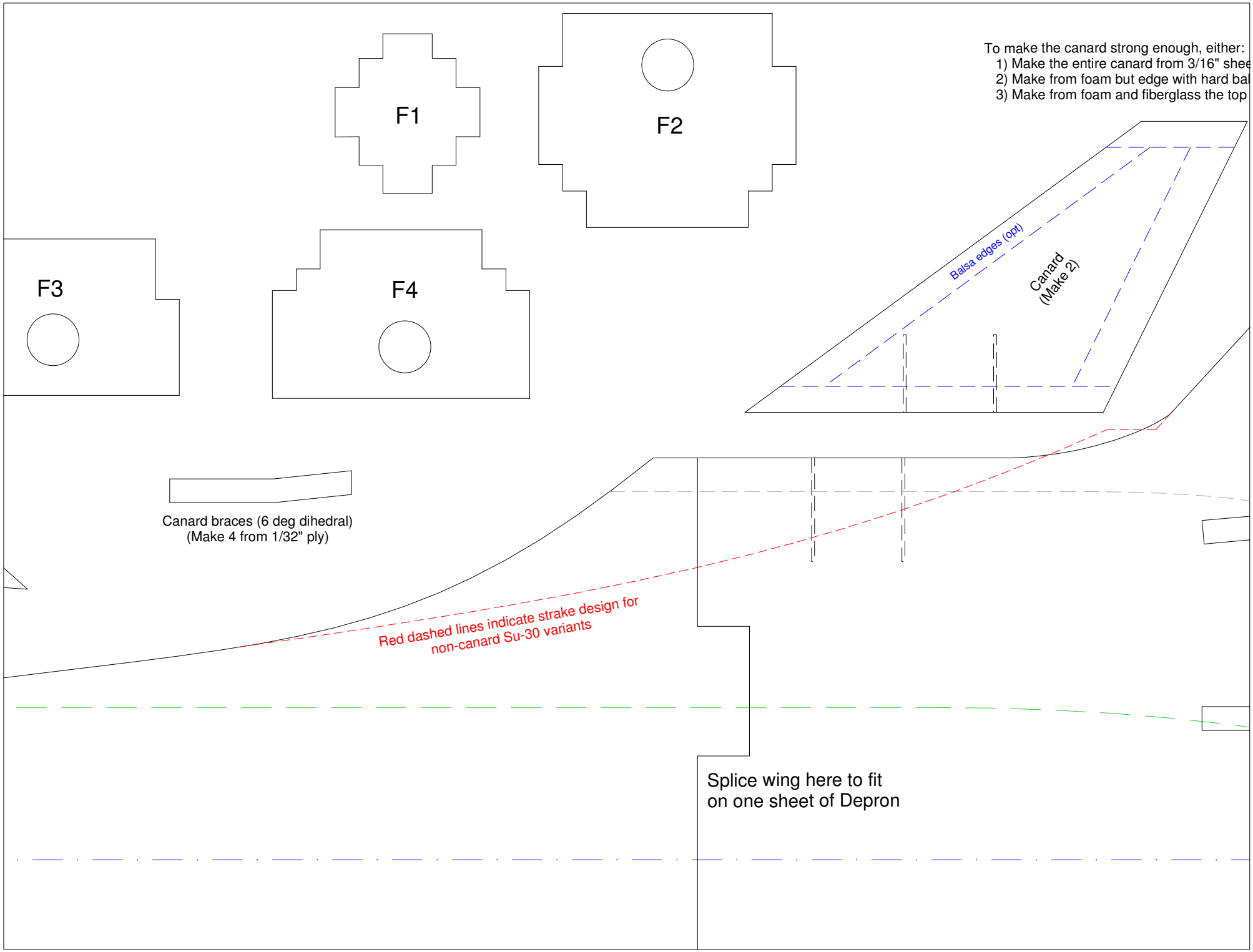
Stabilator control horn
doublers/end stops
Make 6 from 1/16" ply)

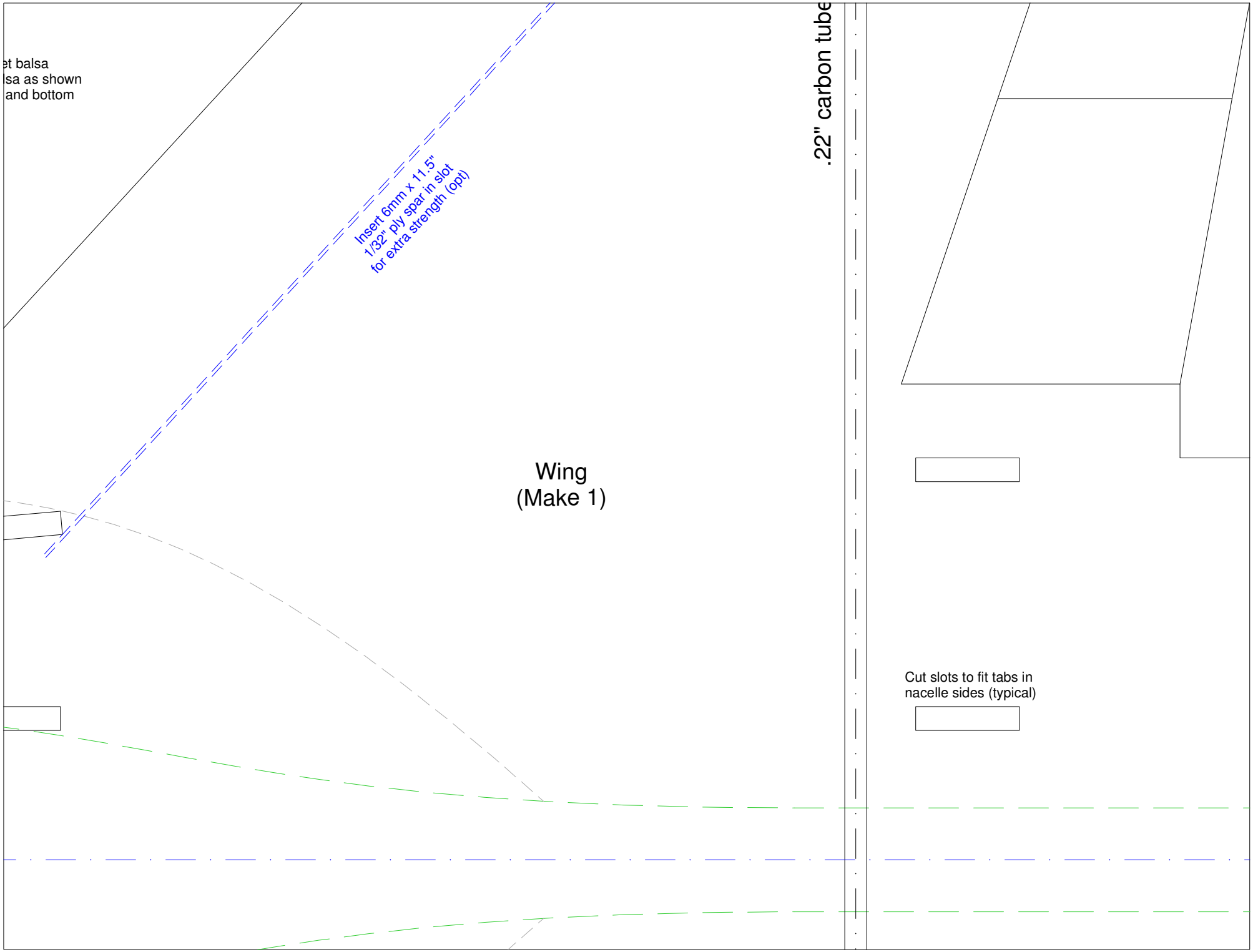


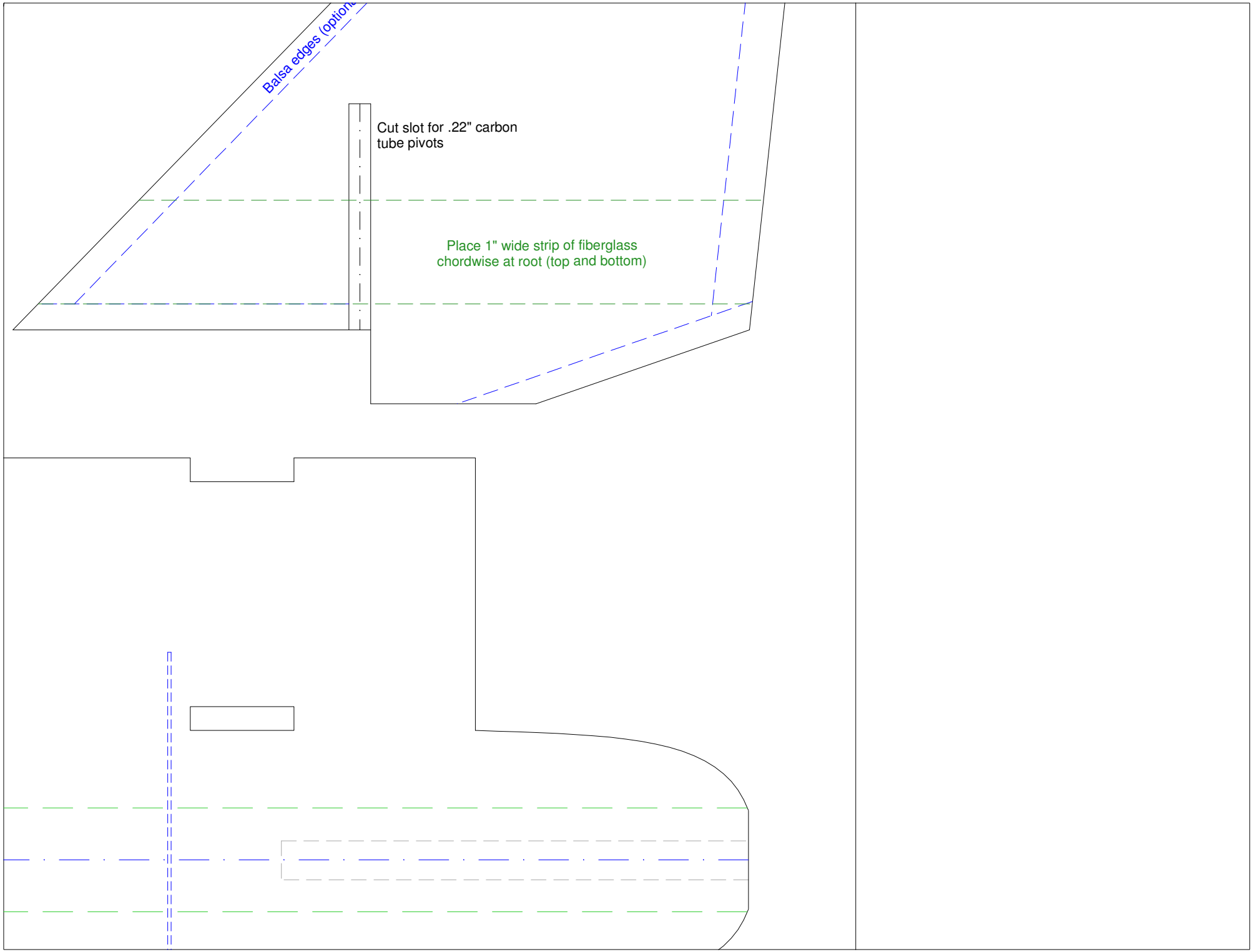

Aft fuselage spine--bottom
(Make 1)
Trim off this part
if using single motor
Aft fuselage spine--top
(Make 2 and laminate)
Inboard
Outboard
Insert 1/32" ply
spar inside slot
(6mm x 4.0")

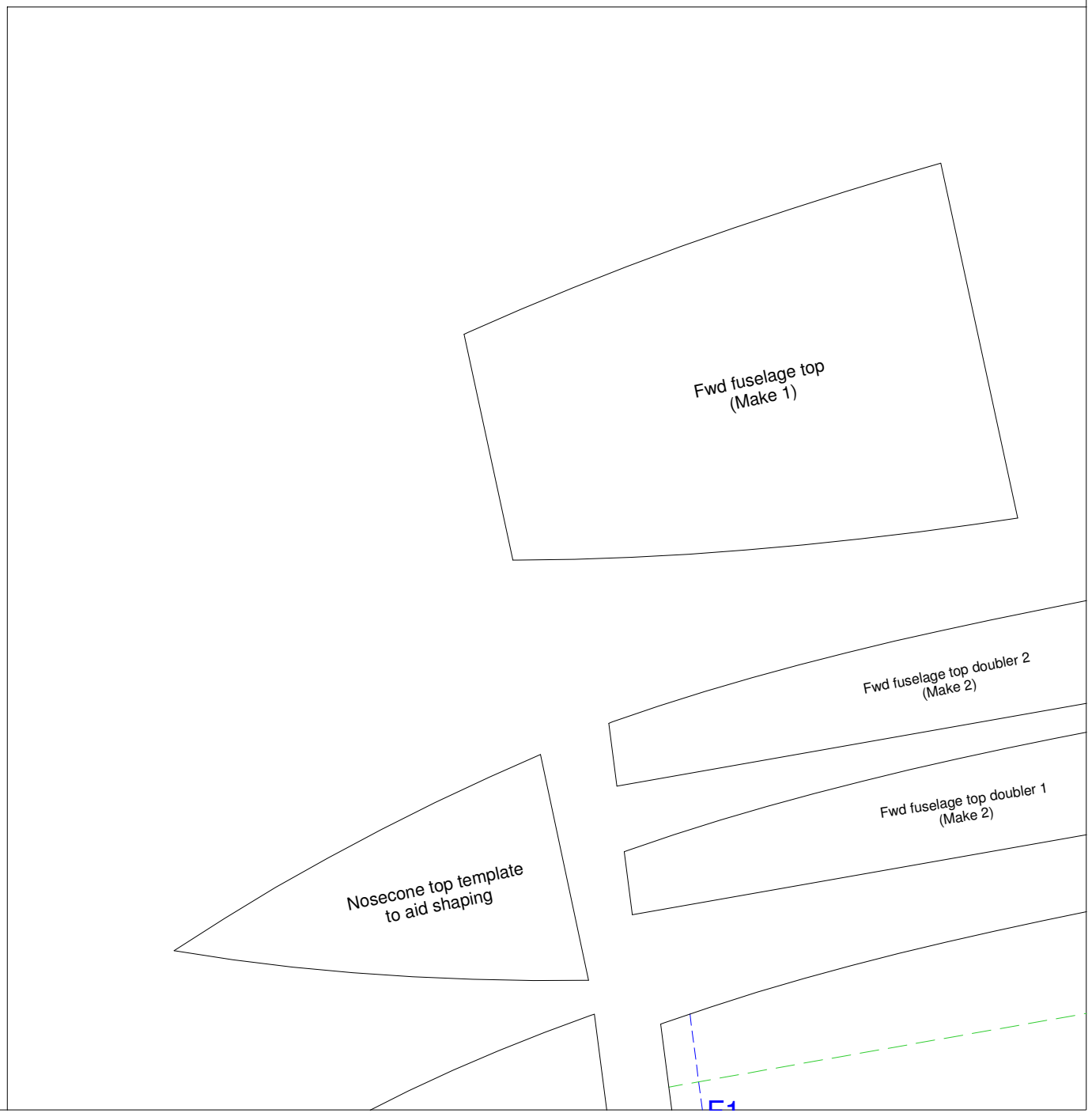

Nosecone
(Make 10 and laminate)

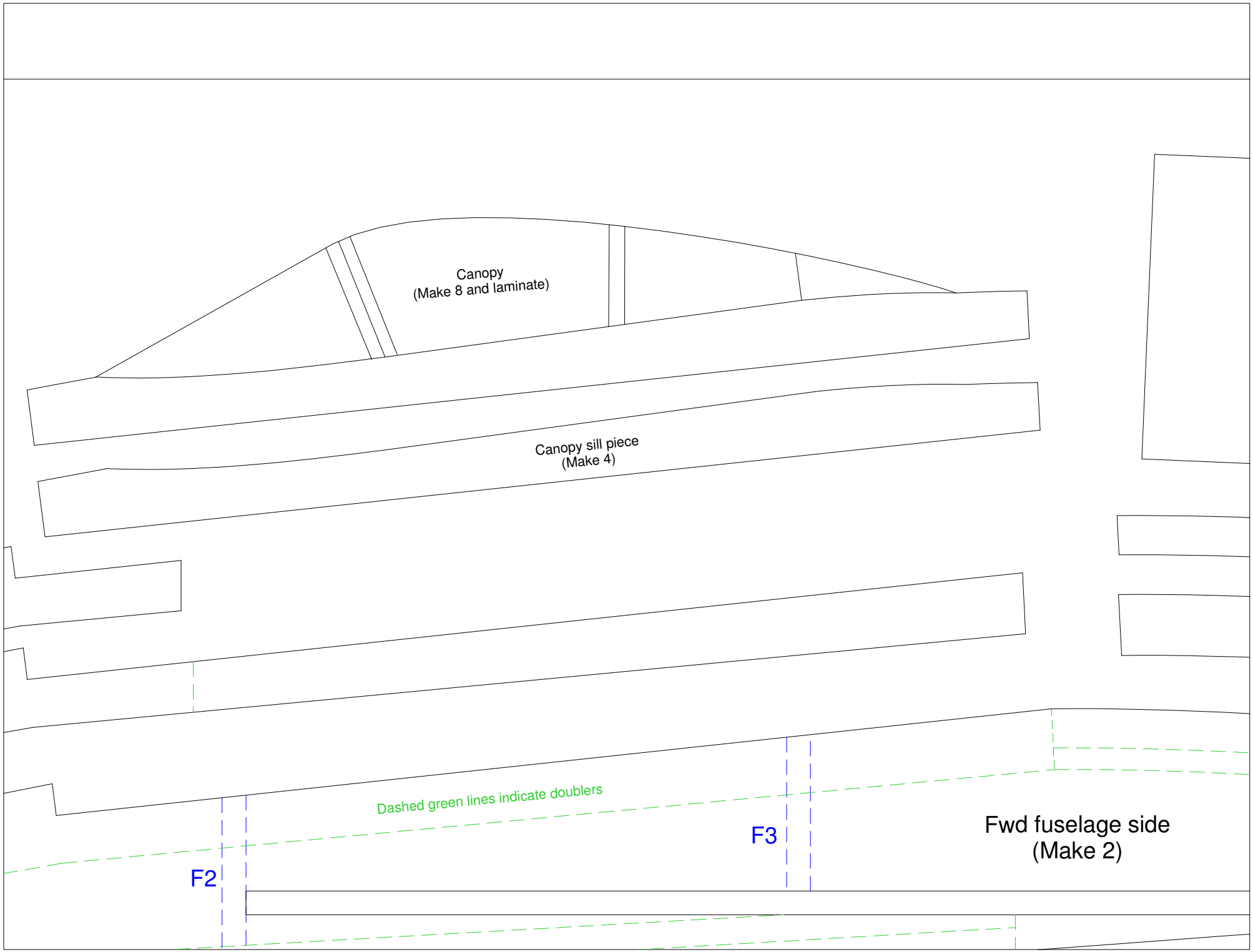

Fwd fuselage bottom doubler 1
(Make 2)
Fwd fuselage bottom doubler 2
(Make 2)
Red dashed lines indicate strake design for
non-canard Su-30 variants
Wing fillet lamination 1
(Make 2)
Wing fillet lamination 3
(Make 2)
d dashed lines indicate strake design for
non-canard Su-30 variants
Wing fillet lamination 2
(Make 2)

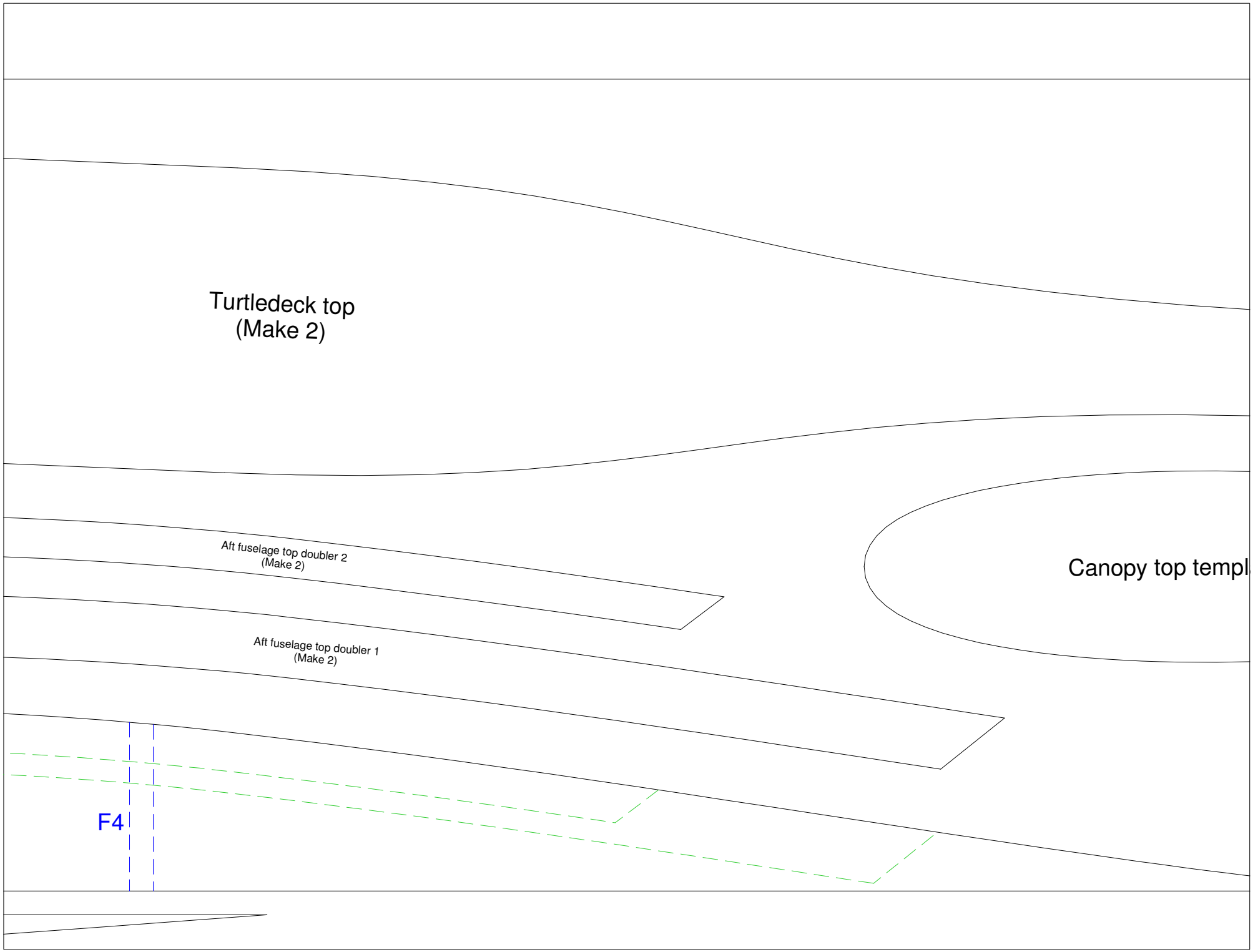

F1
F2
F3
F4
To make the canard strong enough, either:
1) Make the entire canard from 3/16" shee
2) Make from foam but edge with hard bal
3) Make from foam and fiberglass the top
Balsa edges (opt)
Canard
(Make 2)
Canard braces (6 deg dihedral)
(Make 4 from 1/32" ply)
Red dashed lines indicate strake design for
non-canard Su-30 variants
Splice wing here to fit
on one sheet of Depron

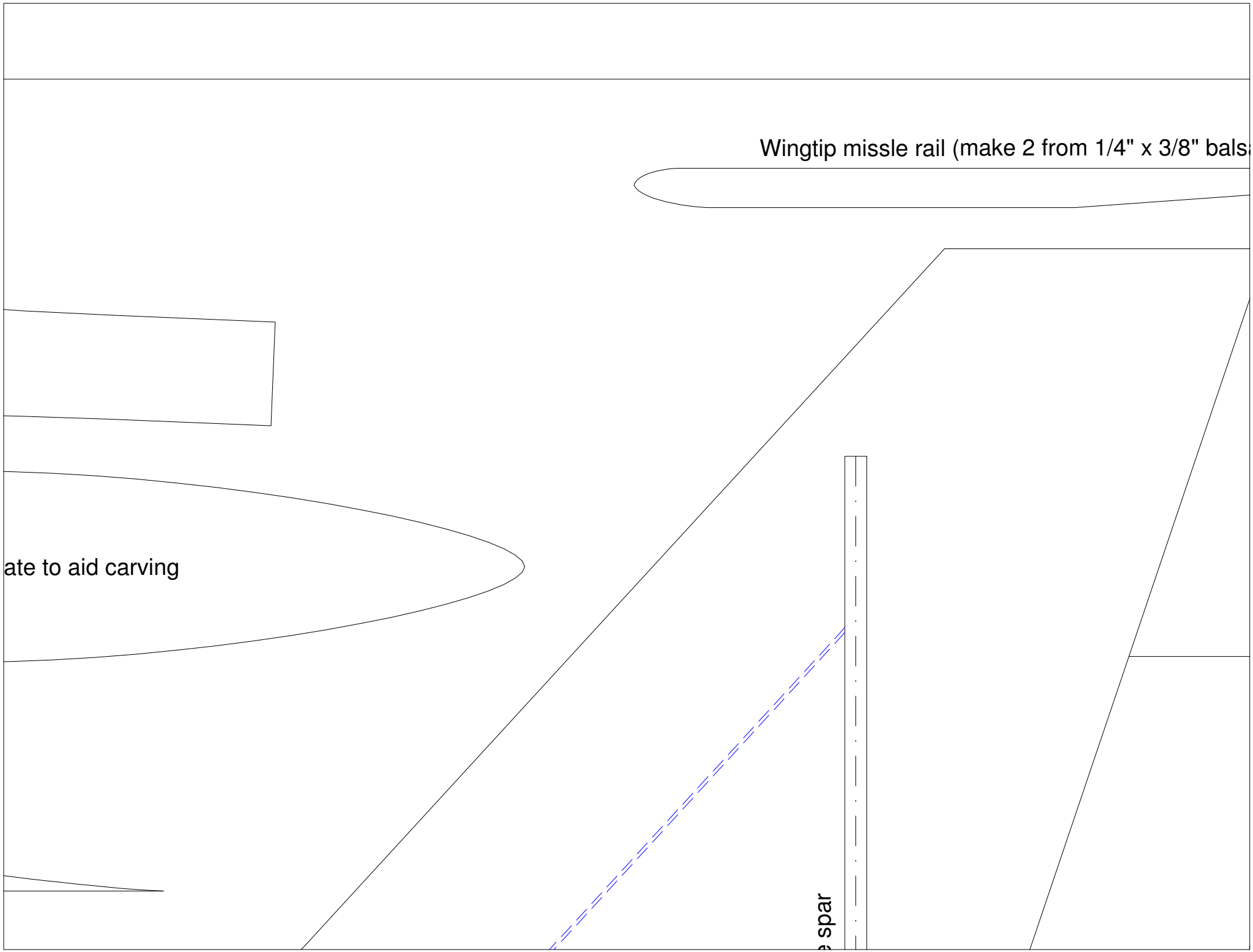

et balsa
lsa as shown
and bottom
Insert 6mm x 11.5"
1/32" ply spar in slot
for extra strength (opt)
.22" carbon tube
Wing
(Make 1)
Cut slots to fit tabs in
nacelle sides (typical)


Balsa edges (optiona
Cut slot for .22" carbon
tube pivots
Place 1" wide strip of fiberglass
chordwise at root (top and bottom)

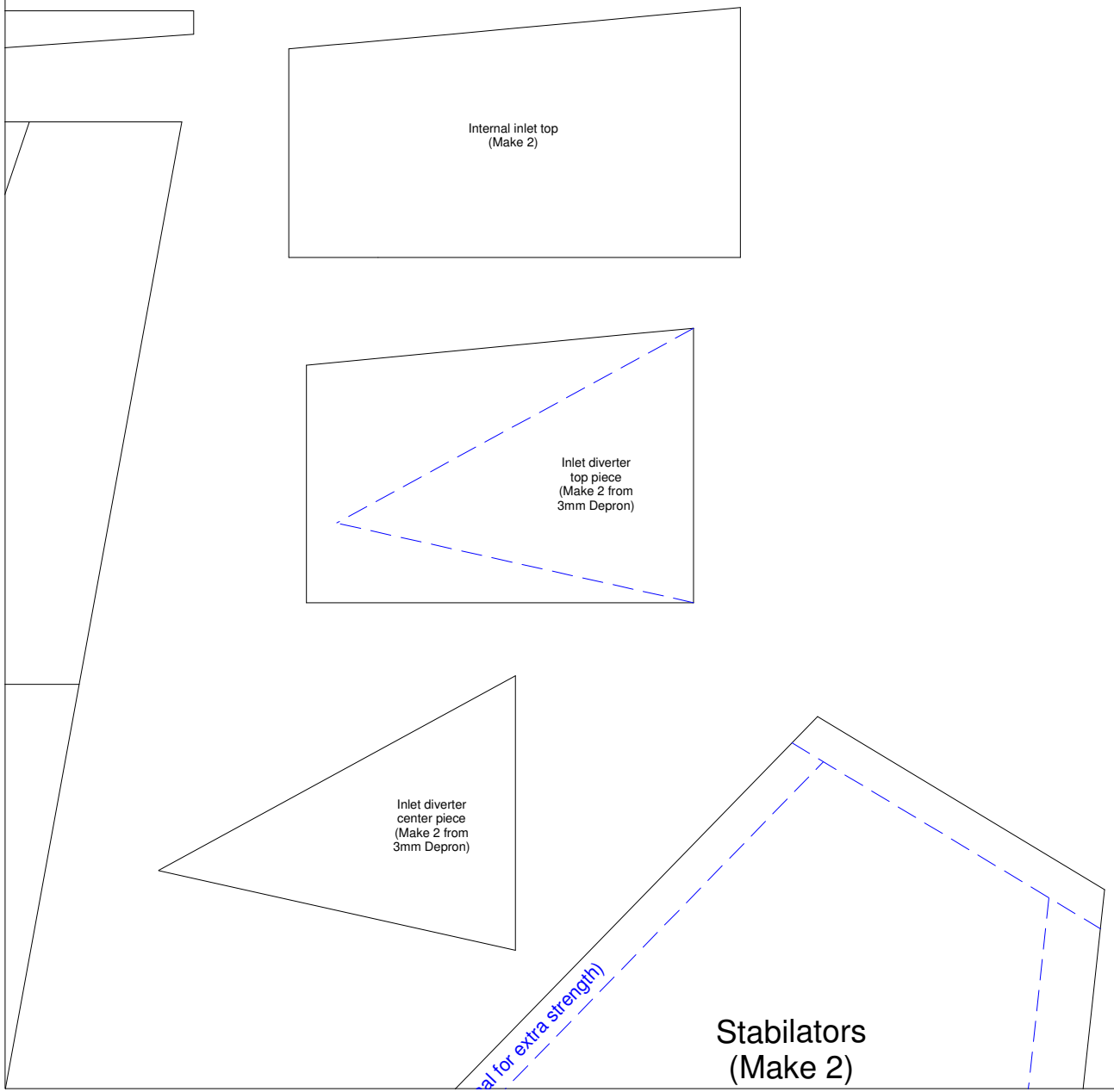

Fwd fuselage top
(Make 1)
Fwd fuselage top doubler 2
(Make 2)
Fwd fuselage top doubler 1
(Make 2)
Nosecone top template
to aid shaping
F1


Canopy
(Make 8 and laminate)
Canopy sill piece
(Make 4)
Dashed green lines indicate doublers
F2
F3
Fwd fuselage side
(Make 2)


Turtledeck top
(Make 2)
Aft fuselage top doubler 2
(Make 2)
Canopy top templ
Aft fuselage top doubler 1
(Make 2)
F4


Wingtip missle rail (make 2 from 1/4" x 3/8" bals
ate to aid carving
spar

a)


Internal inlet top
(Make 2)
Inlet diverter
top piece
(Make 2 from
3mm Depron)
Inlet diverter
center piece
(Make 2 from
3mm Depron)
al for extra strength)
Stabilators
(Make 2)