WindWalker 4840-LP

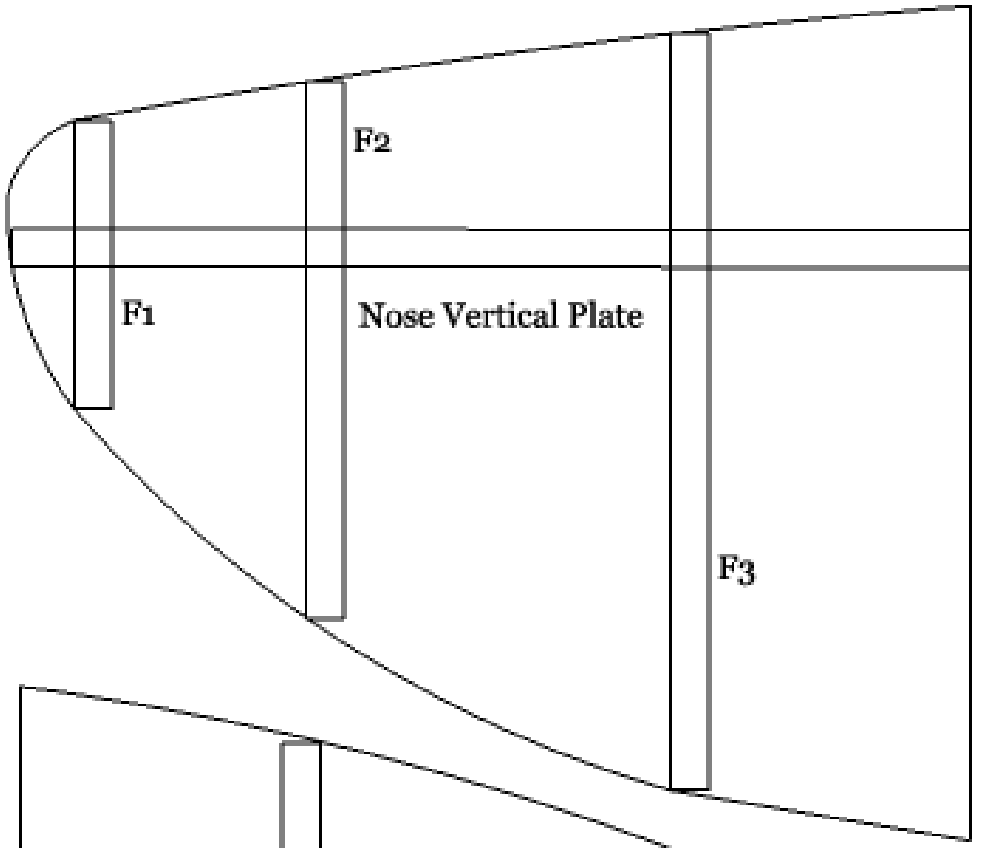
Wing Span: 48" or 1220mm
Wing Area: 437 sq.Inch or 3.035 sq.feet
Expected AUW: ~750 gms or 26.4 oz

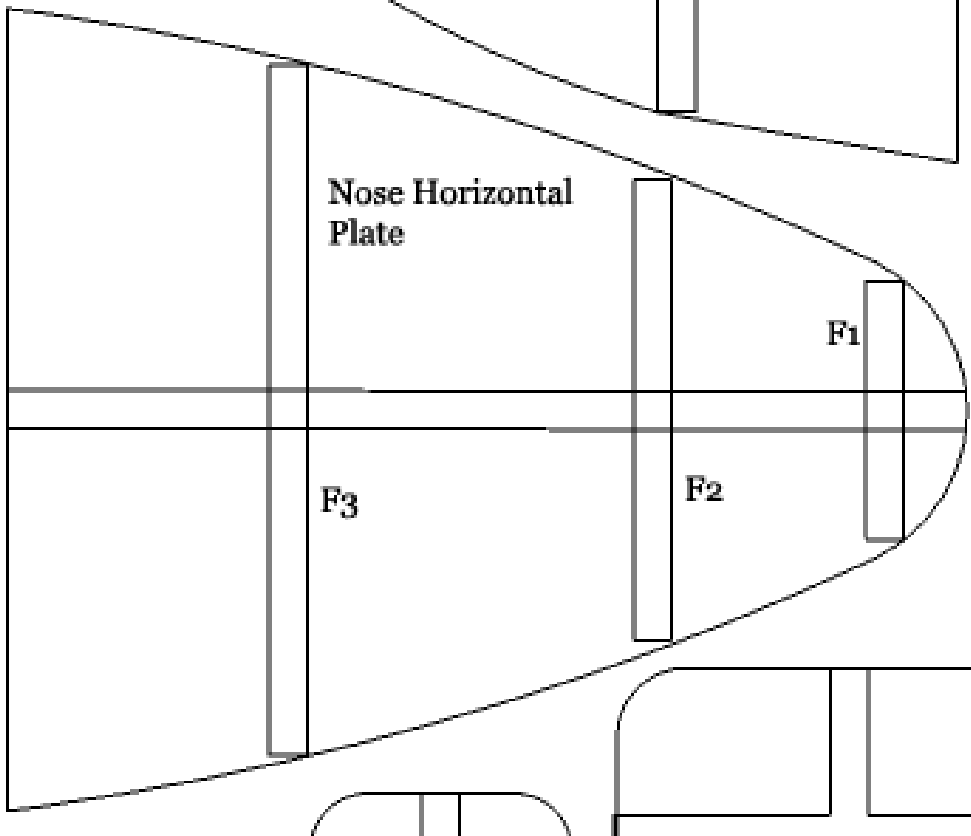
Recommended Skill Level
to Build: Beginner/Intermedite
to Fly: Beginner

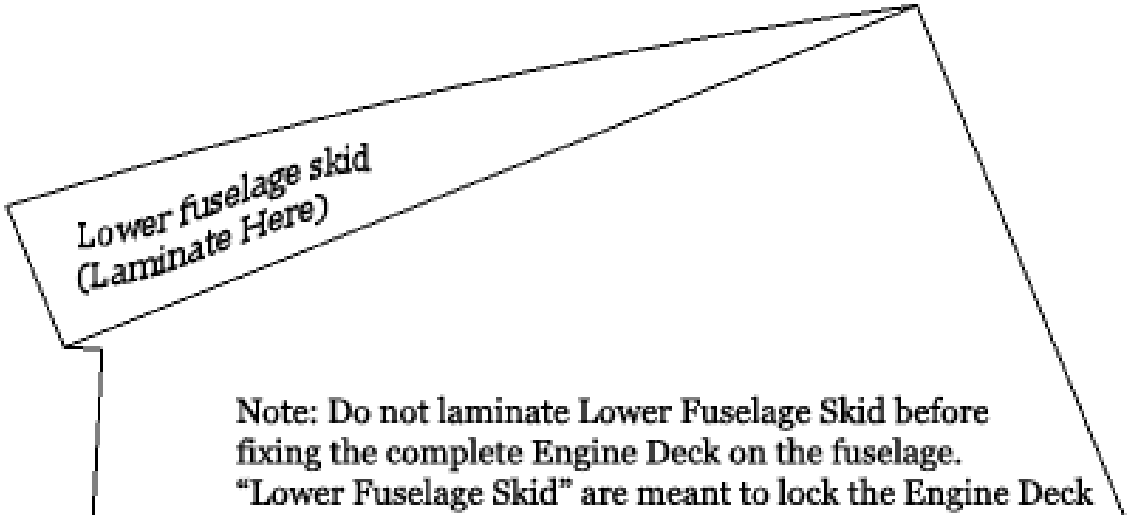
Control Channels required: 4(minimum)
(Aileron, Elevator, Throttle, Rudder)

Maximum Propeller Diameter: 9"
Main Gear & Nose Gear Diameter: 75mm & 45mm respectively.

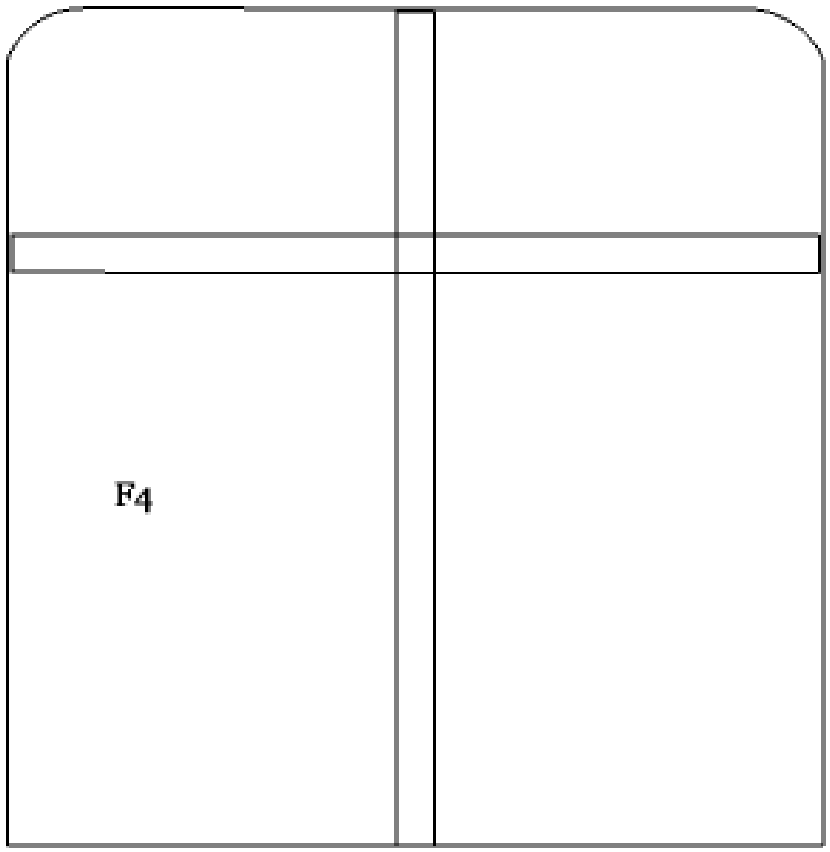
Total number of servos used: 5 (9grm micro servos)
(1-1 for elevator & Rudder, 1 for Steering and 2 for Ailerons)

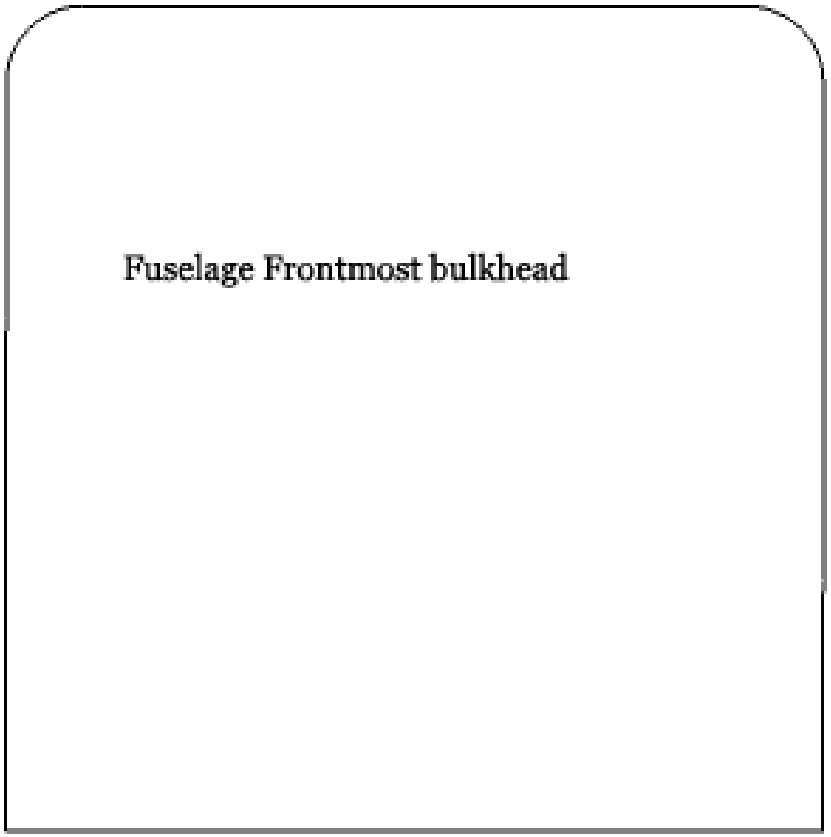


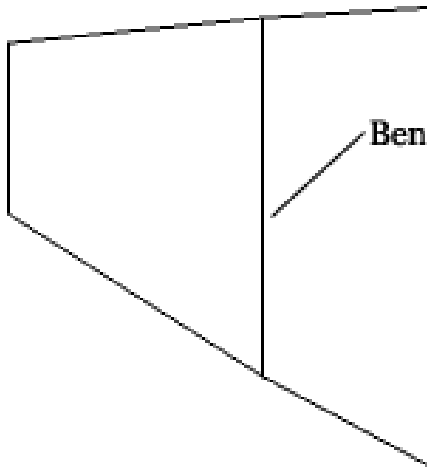


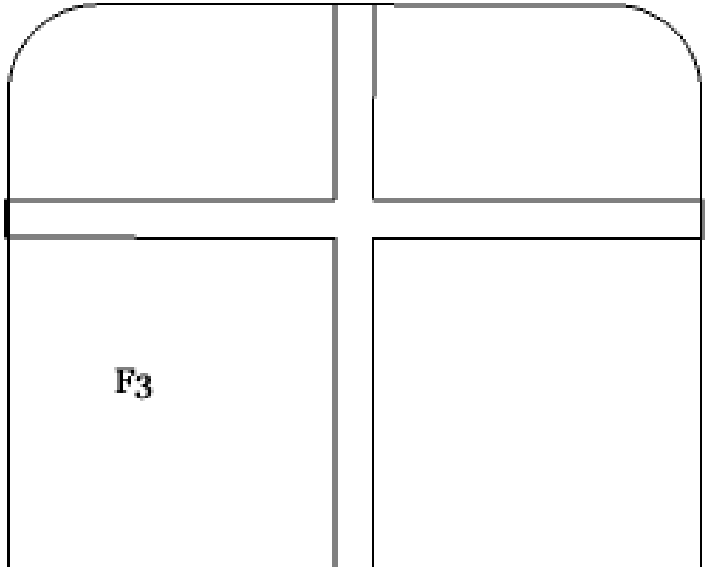


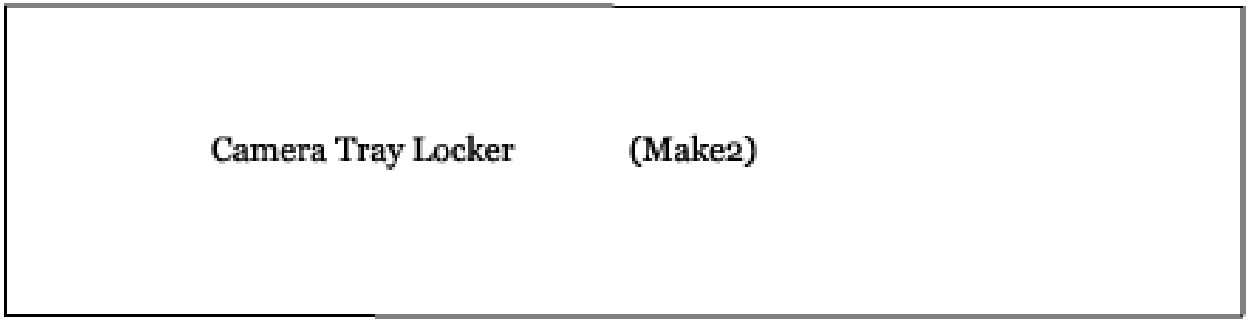
Note: Do not laminate Lower Fuselage Skid before fixing the complete Engine Deck on the fuselage. "Lower Fuselage Skid" are meant to lock the Engine Deck

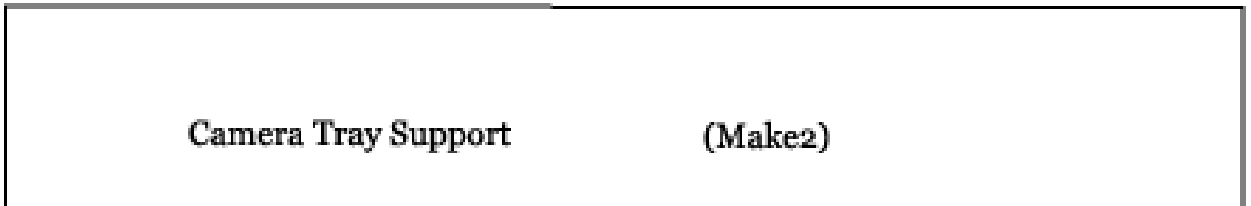

F4

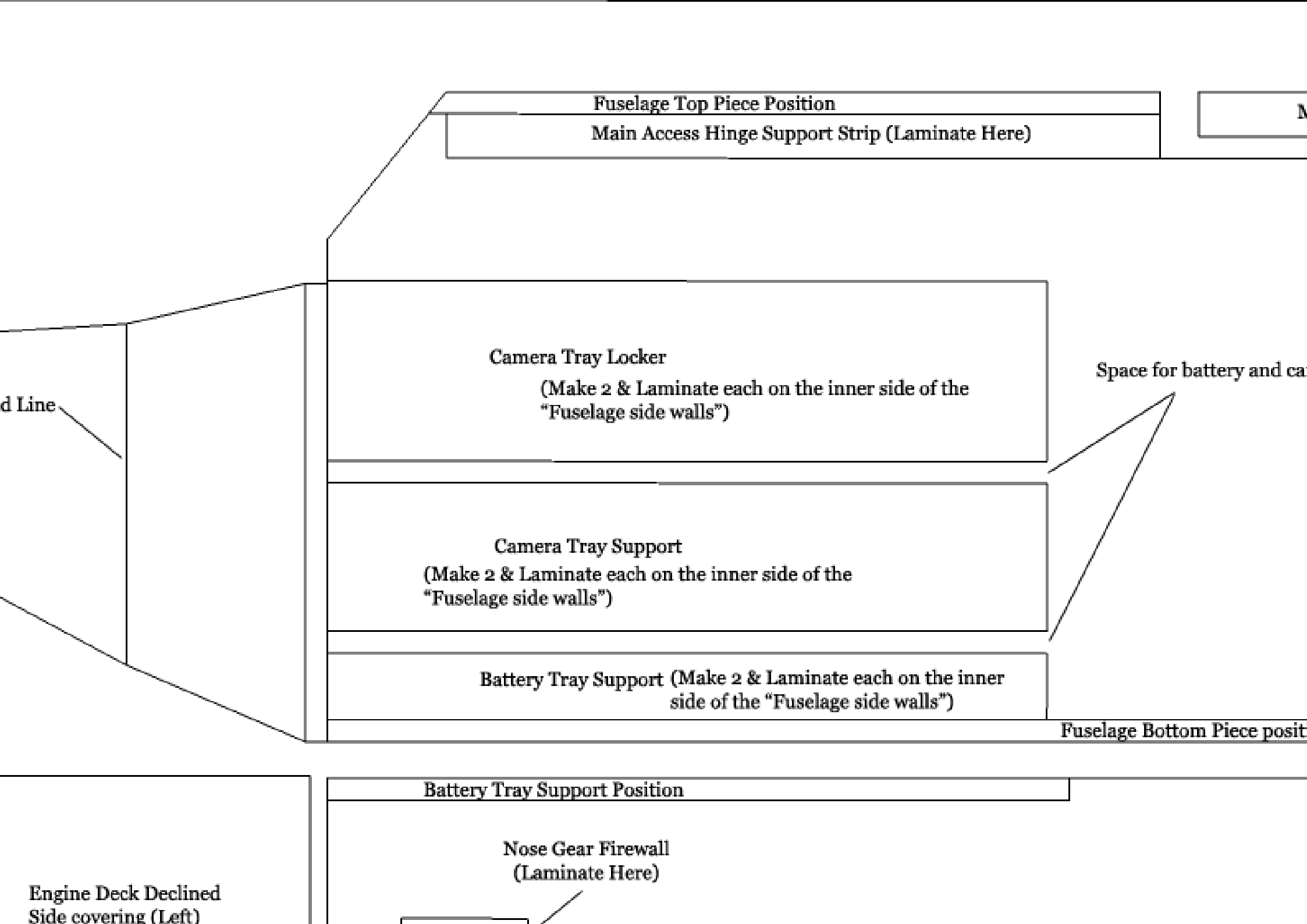

Fuselage Frontmost bulkhead


Ben


F3


Camera Tray Locker
(Make2)


Camera Tray Support
(Make2)


Fuselage Top Piece Position
Main Access Hinge Support Strip (Laminate Here)
Camera Tray Locker
(Make 2 & Laminate each on the inner side of the "Fuselage side walls")
Space for battery and ca
d Line
Camera Tray Support
(Make 2 & Laminate each on the inner side of the "Fuselage side walls")
Battery Tray Support (Make 2 & Laminate each on the inner side of the "Fuselage side walls")
Fuselage Bottom Piece posit
Battery Tray Support Position
Nose Gear Firewall
(Laminate Here)
Engine Deck Declined
Side covering (Left)

Engine Deck Side Co

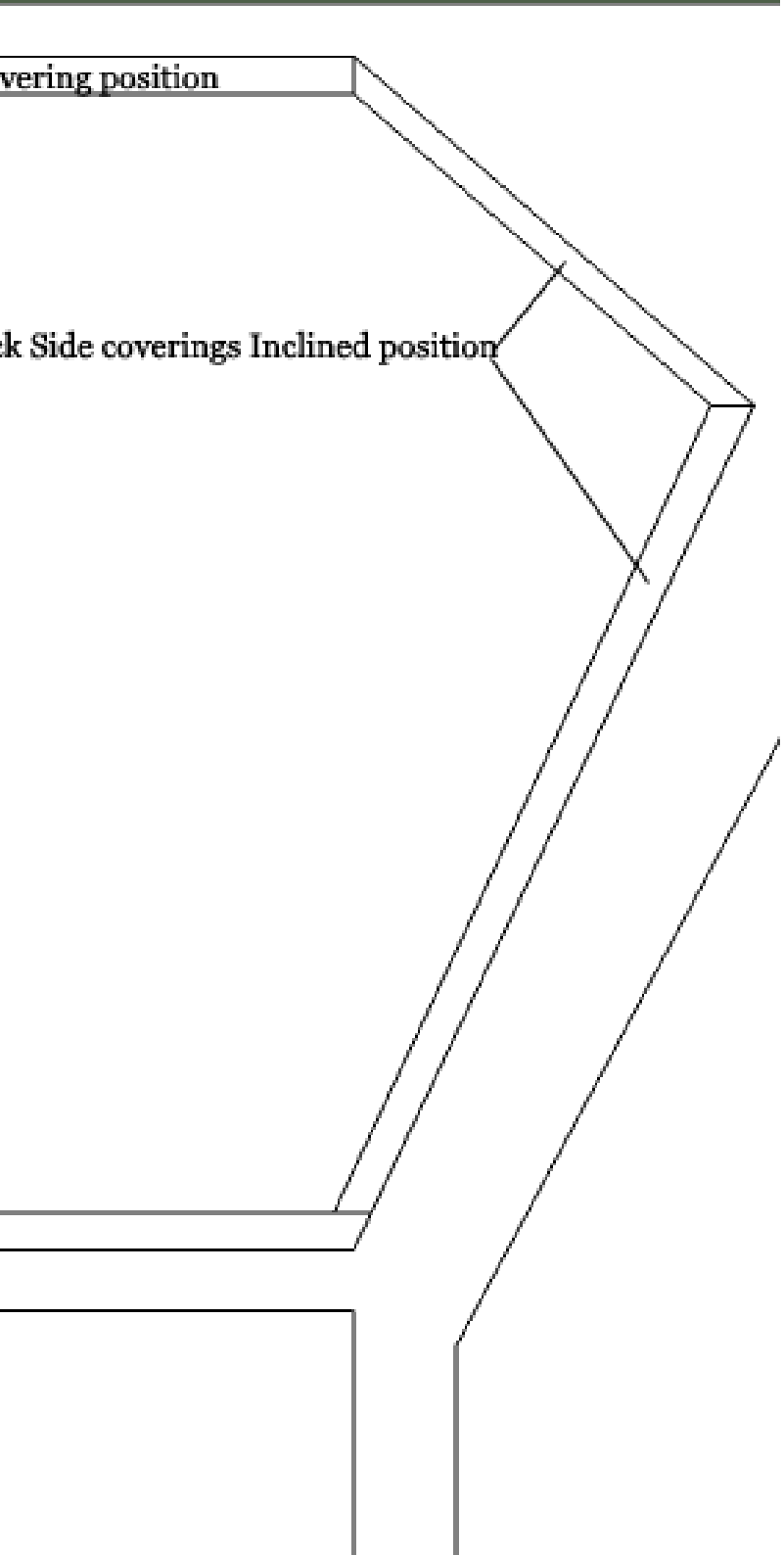
Main Access Hatch Support Strip (Make 2)

Engine Dec

mera trays to slide in.

Fuselage Side Wall (Make 2 Mirror Images)

ion


vering position
k Side coverings Inclined position

on the fuselage from below.

F1

F2

Engine Deck Central Plate
(Make 2 and laminate together)

Engine Deck Leading edge

Engine deck middle plate
(Make 2 and laminate each on
either side of
Engine deck central plate on the
position shown in
"Engine Deck central Plate")

Engine Deck Middle Plate
(Laminate here)

Lower Fuselage skid (Make 2 and laminate
on the position shown in "Engine Deck Central plate")

Engine Deck Outer Plate (Make 6 of 5mm and
make 2 of 3mm foam sheet) Laminate 3-3

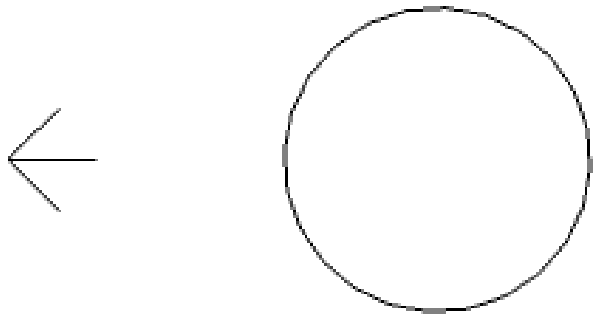
Battery Tray Support (Make2)

Nose gear Firewall
(Laminate Here)

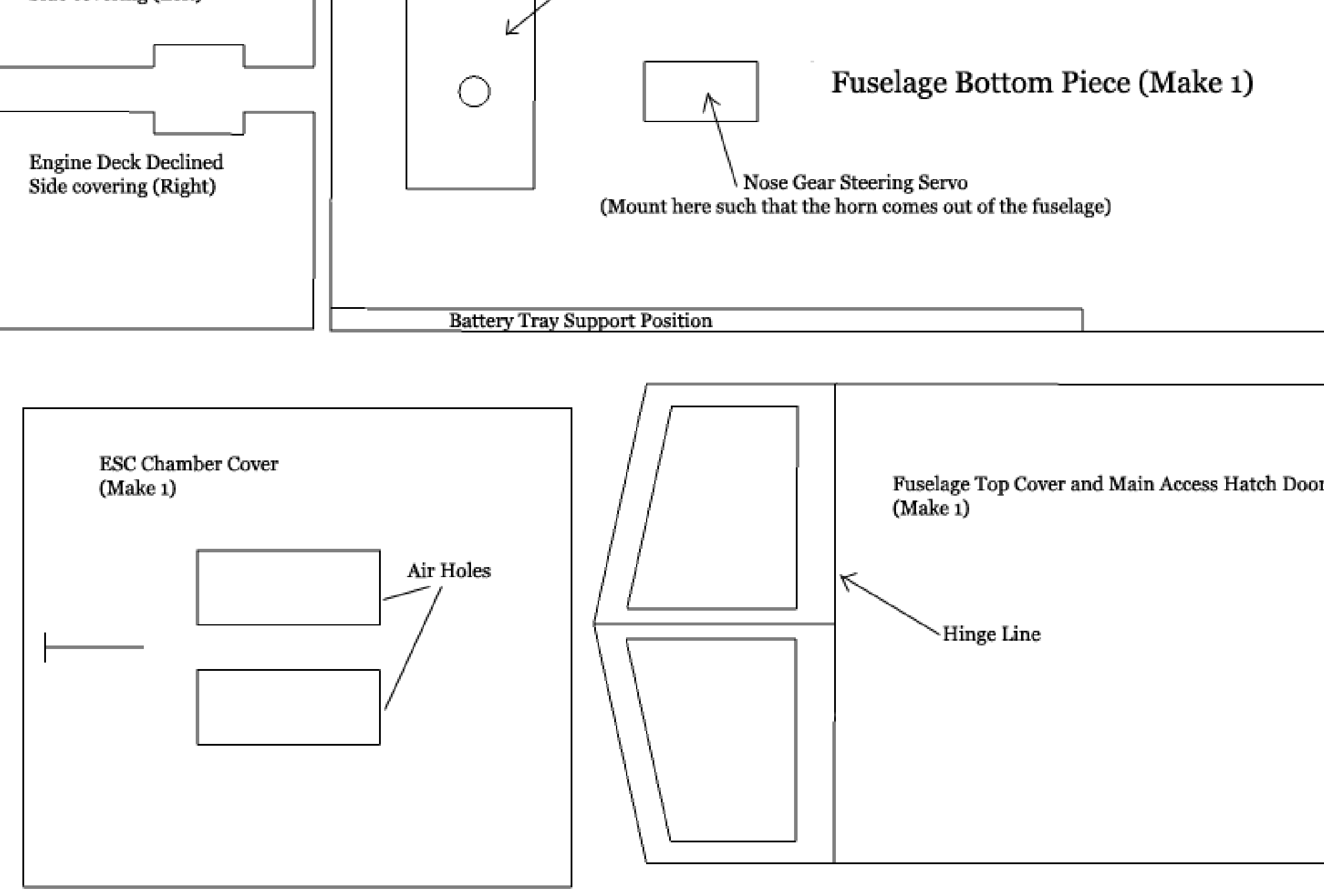
Battery position

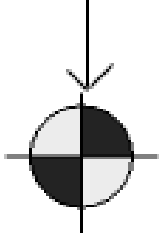
Battery Tray (Make 1)

Fusalage middle bulkhead (Fix just where the leading edge of Engine deck starts.)



Camera Tray (Make 1)


Fuselage Bottom Piece (Make 1)
Engine Deck Declined
Side covering (Right)
Nose Gear Steering Servo
(Mount here such that the horn comes out of the fuselage)
Battery Tray Support Position
ESC Chamber Cover
(Make 1)
Air Holes
Fuselage Top Cover and Main Access Hatch Door
(Make 1)
Hinge Line



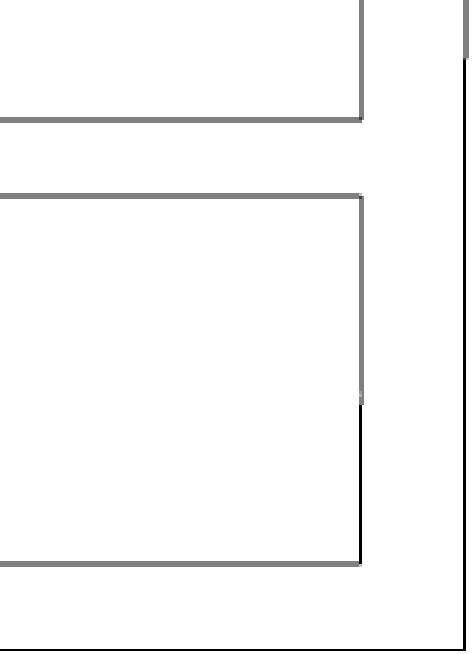
Engine Deck Position

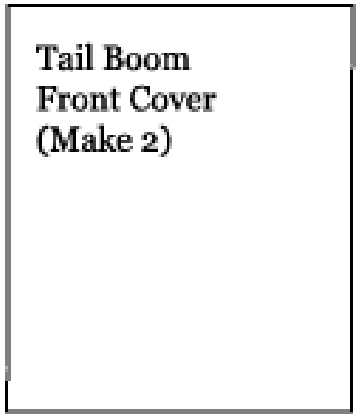
Engine Deck Side Covering

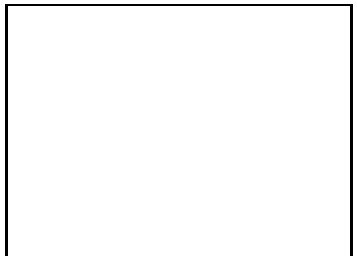
Engine Deck Side Covering

Nose Upper Skin
(Make 1 from 3mm
foam)

Nose Lower Skin
(Make 1 from 3mm foam)




Tail Boom
Front Cover
(Make 2)



pieces of 5mm + 1-1 piece of 3mm on
any side of both the
"Engine deck middle plate"

Nose Gear Firewall

(Make 2)

Main Gear Secondary
(Make 2)
(Meant to be fixed be
each of the tail boom

Main Gear Primary firewall
(Make 1)
(Meant to be fixed below the
fuselage)

Tailboom Bulkhead
(Make 4)

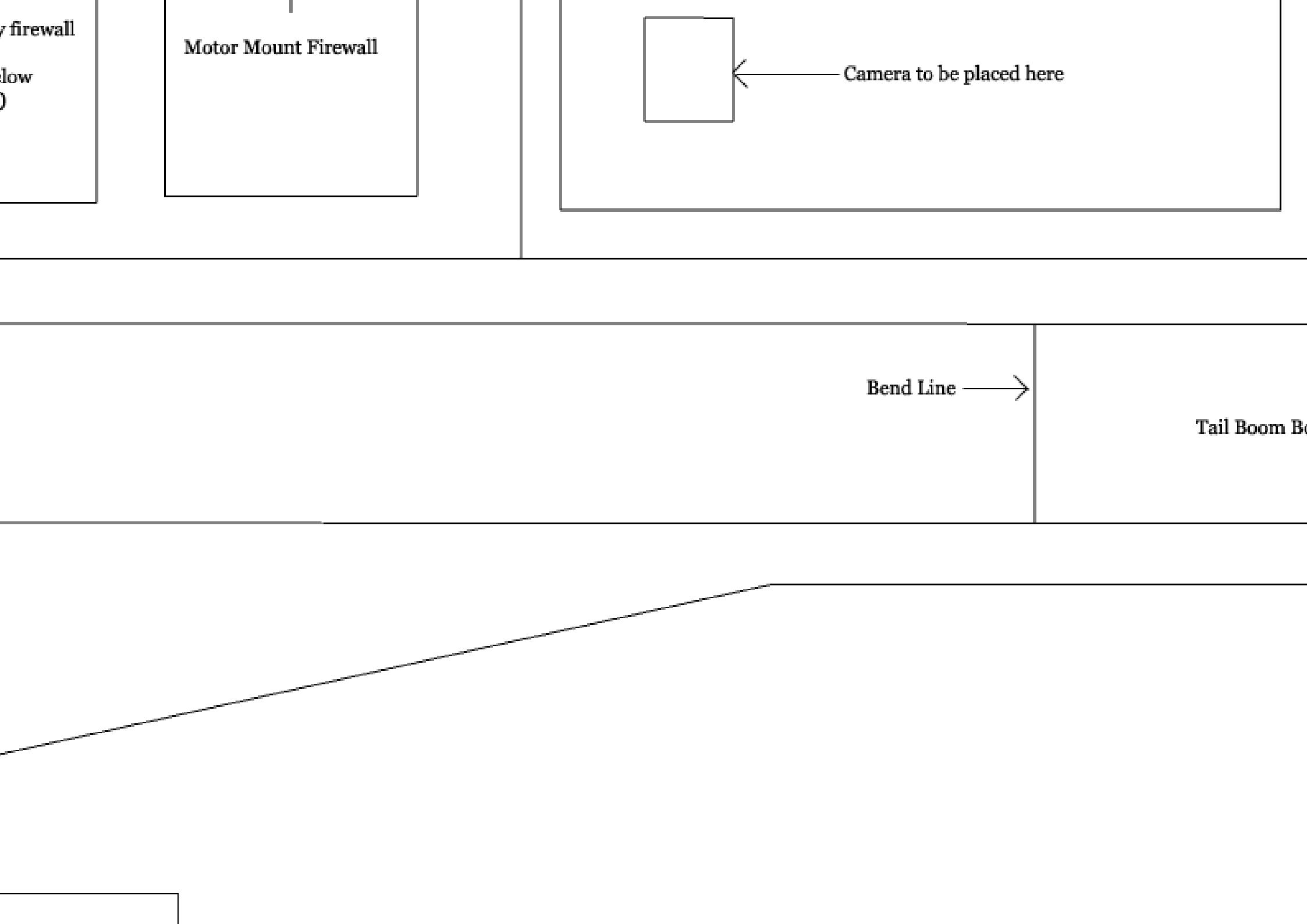
Use 2 for each
Tailboom

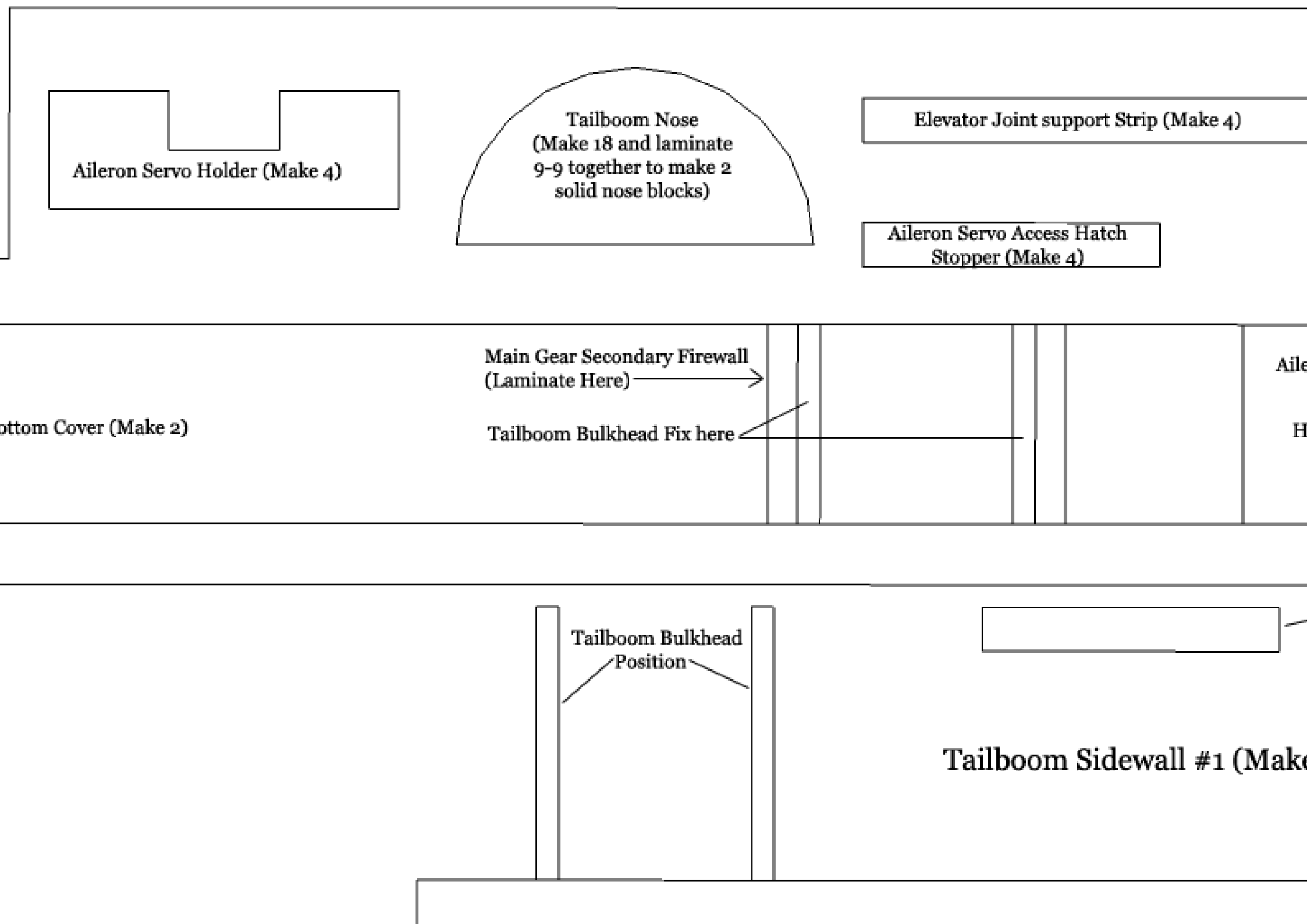
6

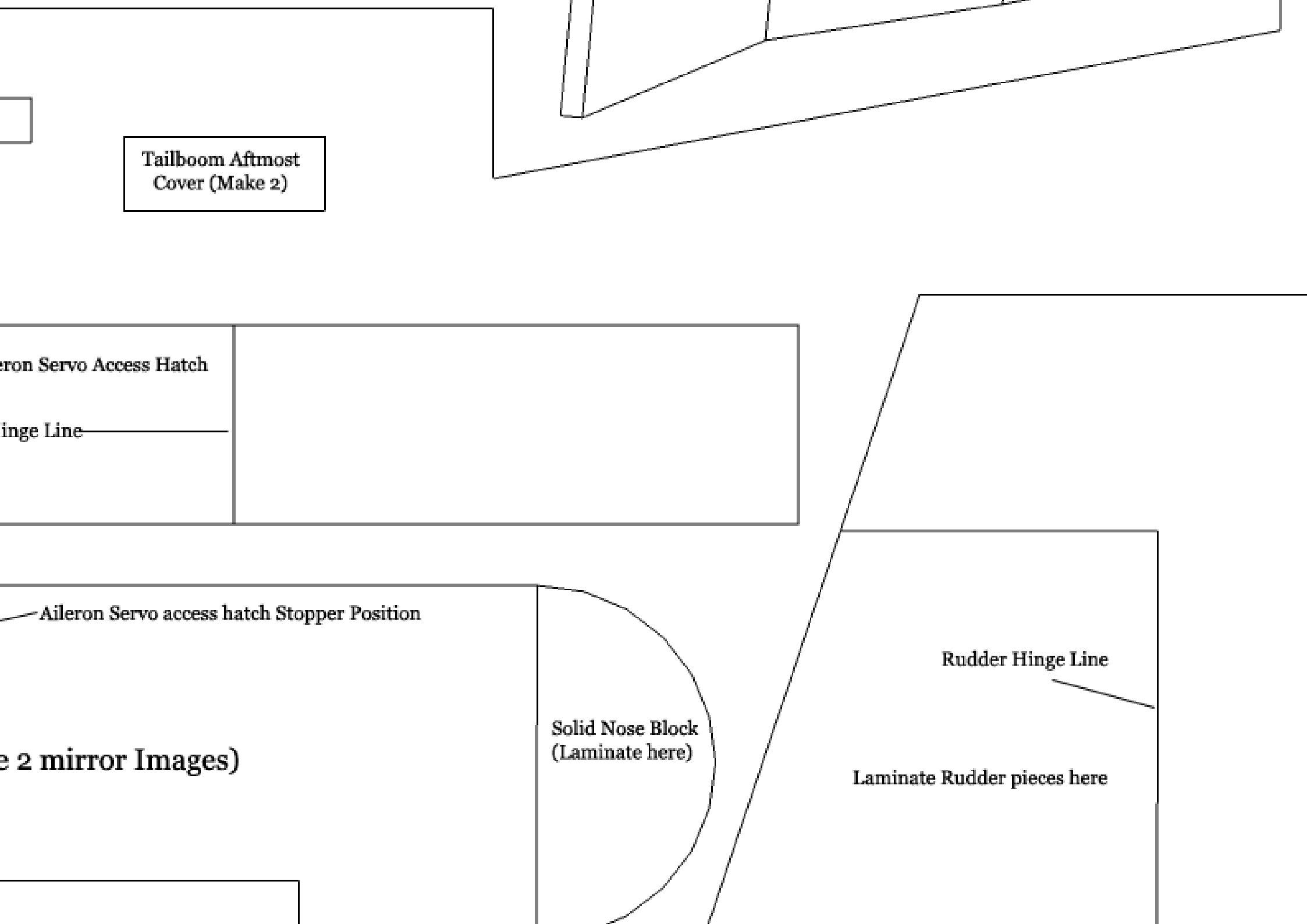
5

4

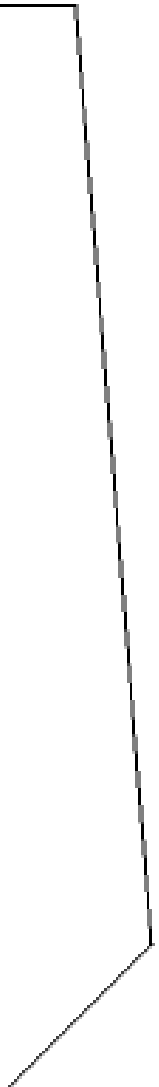
In
Inches

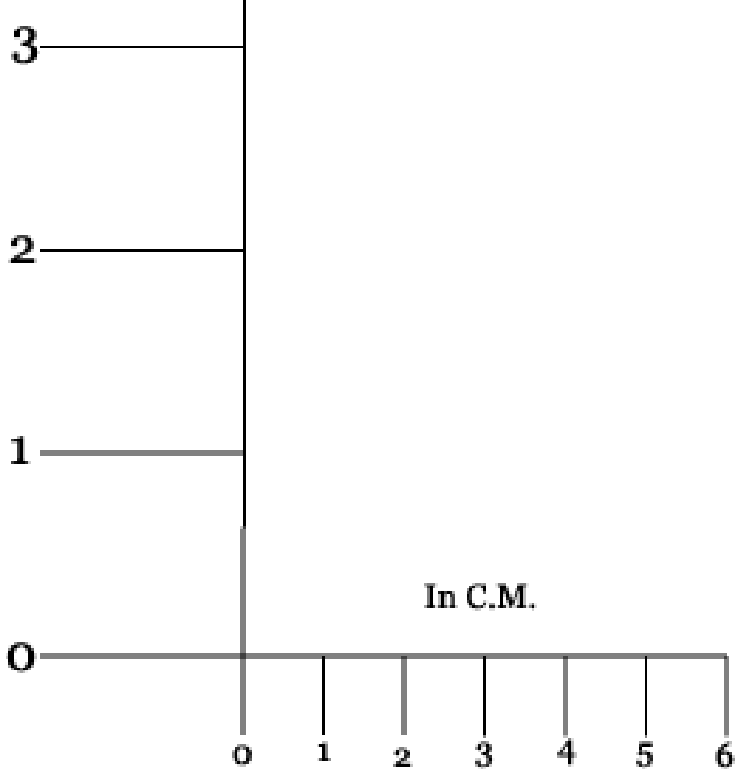

y firewall
elow
)
Motor Mount Firewall
Camera to be placed here
Bend Line
Tail Boom Be

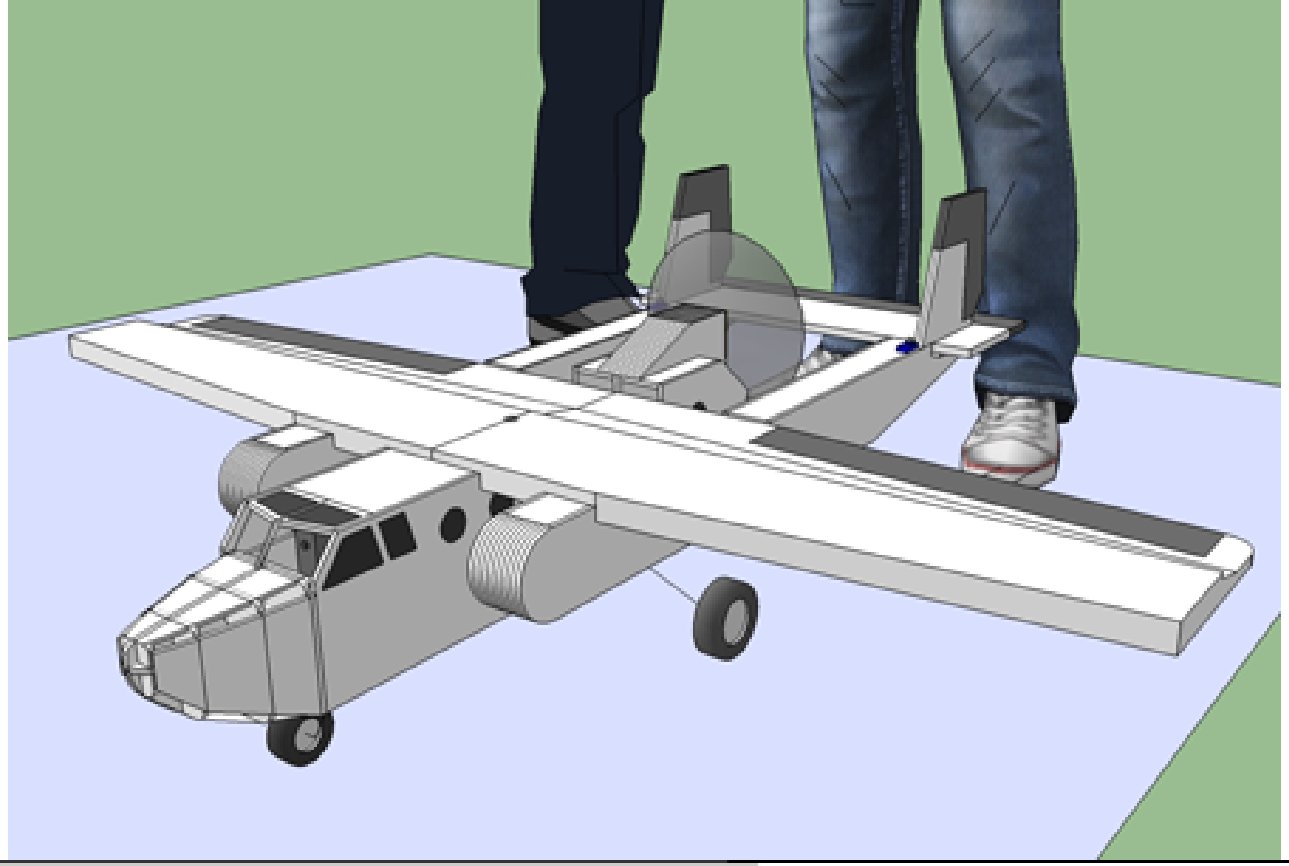

Aileron Servo Holder (Make 4)
Tailboom Nose
(Make 18 and laminate
9-9 together to make 2
solid nose blocks)
Elevator Joint support Strip (Make 4)
Aileron Servo Access Hatch
Stopper (Make 4)
Main Gear Secondary Firewall
(Laminate Here)
Tailboom Bulkhead Fix here
ottom Cover (Make 2)
Tailboom Bulkhead
Position
Tailboom Sidewall #1 (Mak


Tailboom Aftmost
Cover (Make 2)
eron Servo Access Hatch
inge Line
Aileron Servo access hatch Stopper Position
e 2 mirror Images)
Solid Nose Block
(Laminate here)
Rudder Hinge Line
Laminate Rudder pieces here

Tail Boom Aft Cover
(Make 2)



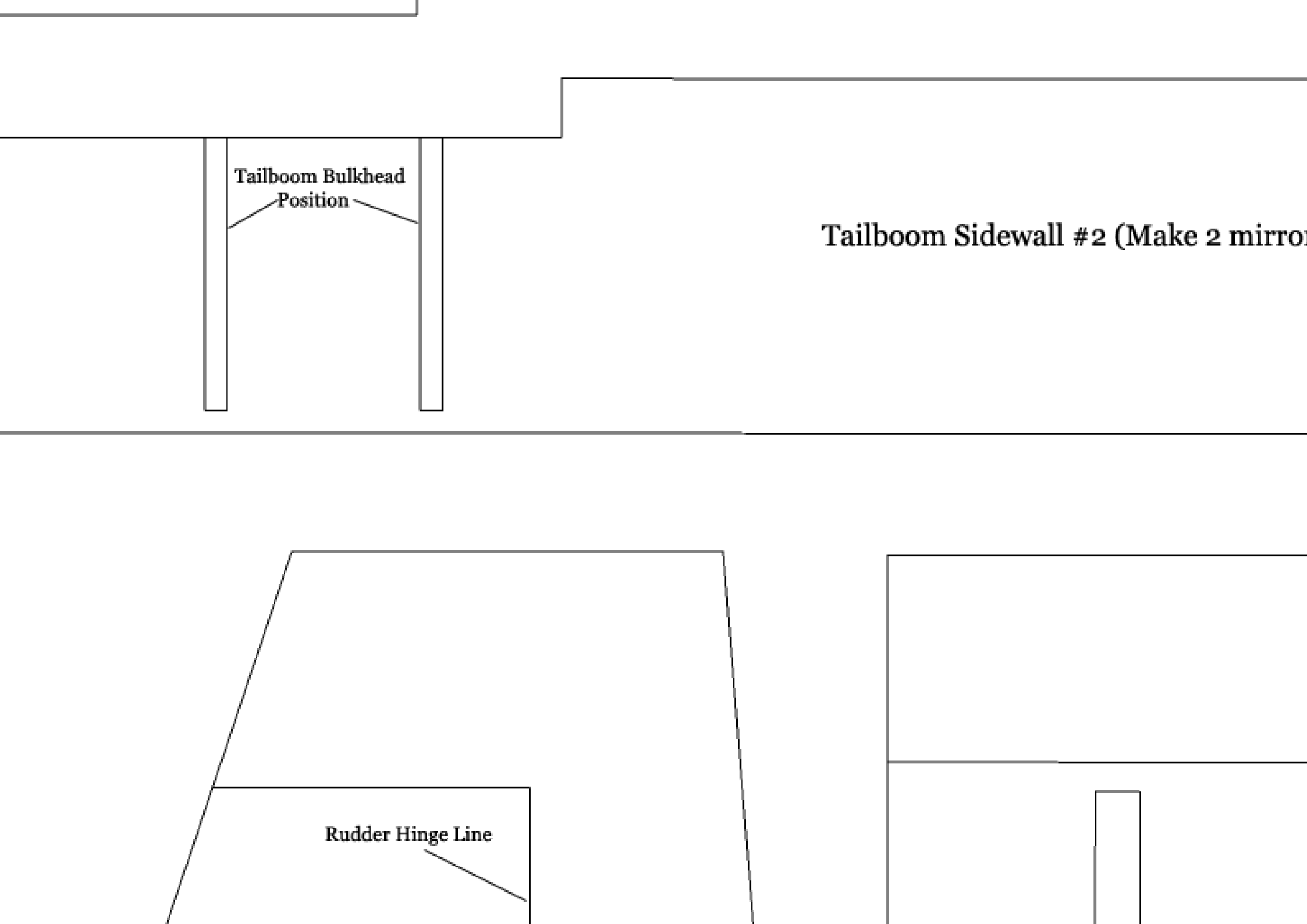


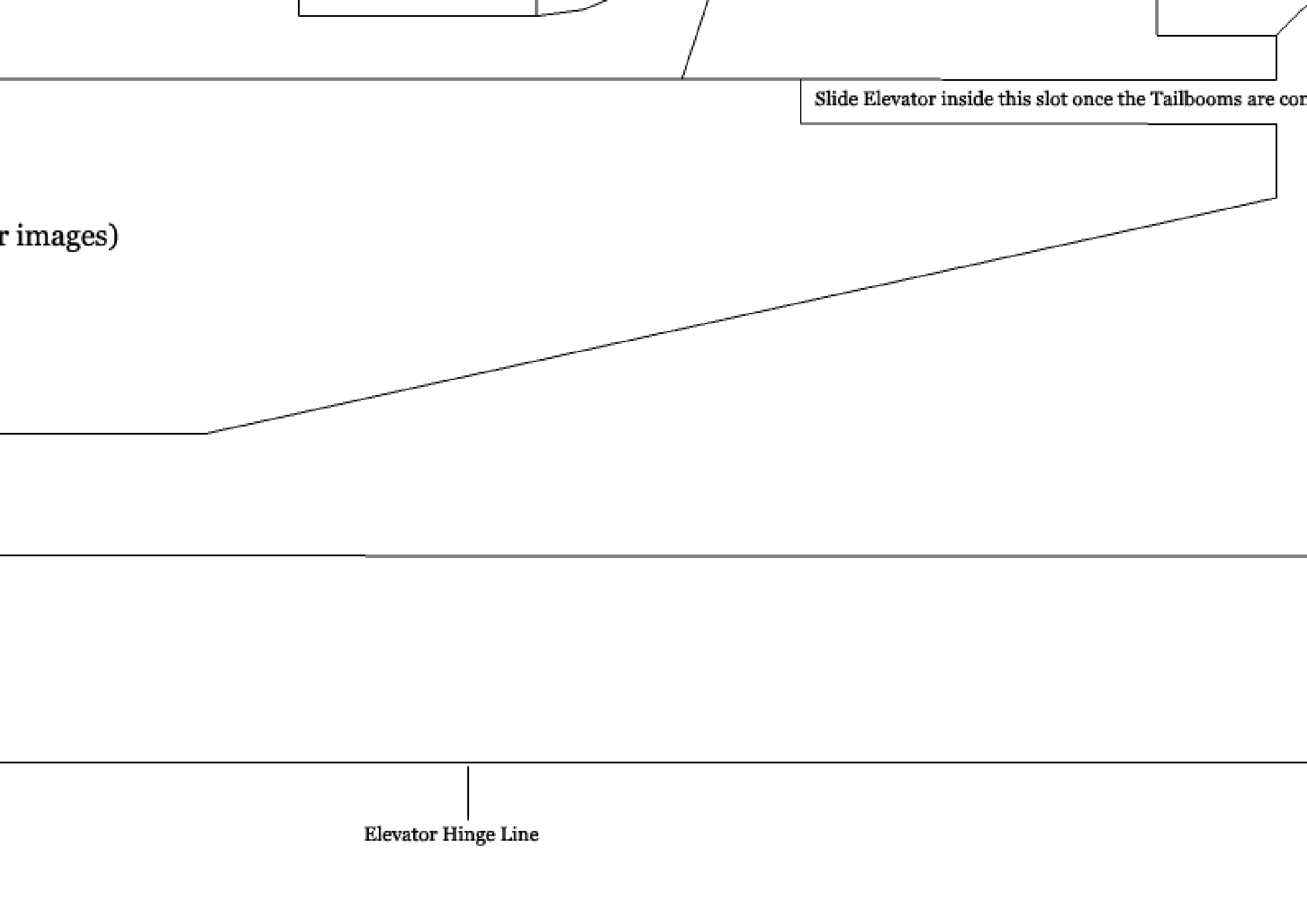


WindWalker 4840-LP

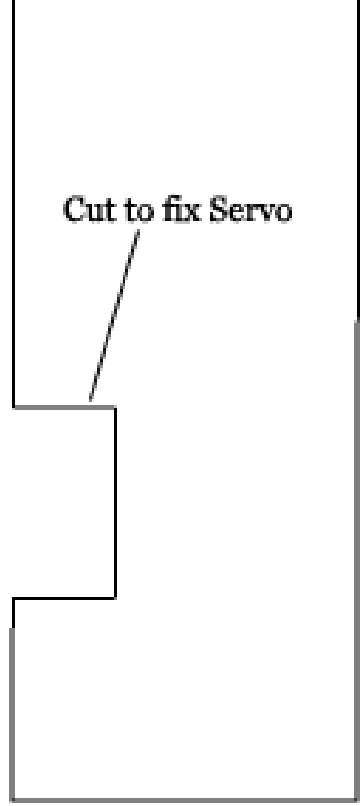
This aircraft is specially designed for the beginners who just want to learn flying. It is a
Apart from that, The motor mount is positioned pretty higher on the fuselage which wi
wing area is large enough to keep wing loading low. The wing airfoil is KFM3 which ha
steerable nose wheel will also create less trouble during take-off unlike the conventiona
means further modifications to achieve Flaperon functionality will be easier. Theoritica
which means a wide range of flyers will enjoy flying this plane at various speed. To mai
various access hatches. The more exciting feature is that it has enough space in front of

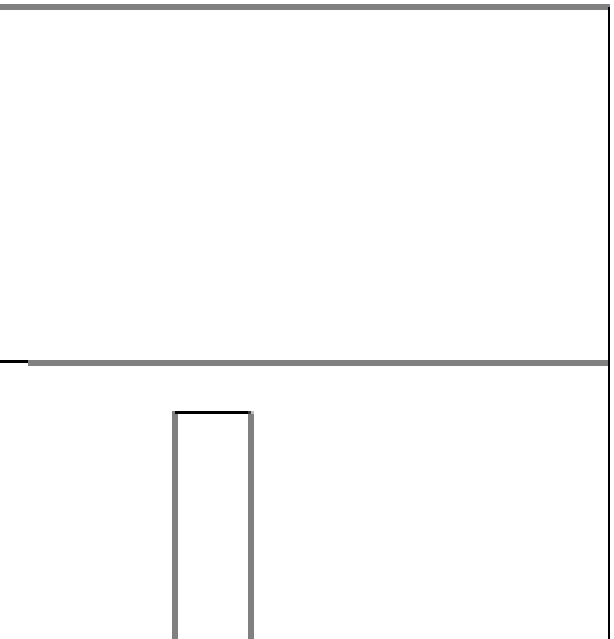
high winger plane which means it will stabilize itself in the wind after a turn or bank naturally. ll help minimizing the unwanted torque roll effect during immediate throttle responses. The s already proved to be heavy lifter and easy to build. Its Tricycle type landing gears and al Tail Dragger type gears. Further, Two servos are used for the aileron, one for each side, which ally, The plane has 15mph Stall speed and 44mph static pitch speed (with the AUW 750gms) intainence and replacement of electronic parts, Everything is made accesible by the help of f the fuselage to mount FPV camera. Even the plan prescribes the perfect spot inside the


Tailboom Bulkhead
Position
Tailboom Sidewall #2 (Make 2 mirro
Rudder Hinge Line


Slide Elevator inside this slot once the Tailbooms are cor
r images)
Elevator Hinge Line

nplete.....



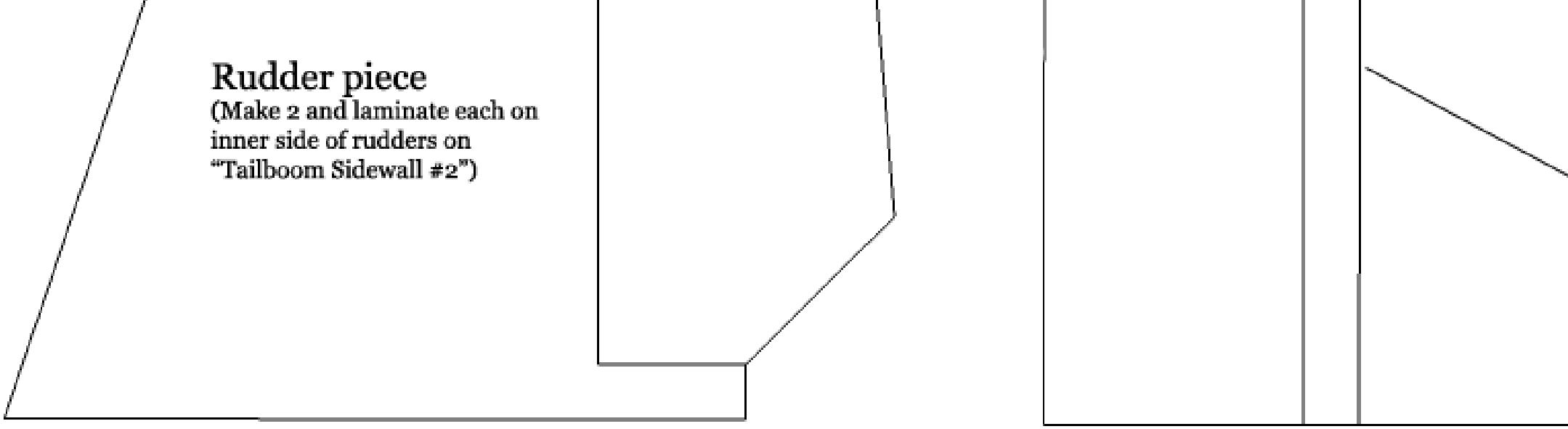


fuselage where the camera can be mounted to achieve a wide viewfront as in real plane
Air cooling chamber itself which has large intake and outlets for air during flight. This
from this, The motor itself is mounted open. There is no need of any cover as the open
fuselage due to which the center of gravity is much below on the vertical axis which wil
torque. I hope you enjoy building and flying this plane. Please feel free to contact me o

So, gear up and go flying...

Thanks
Sumeet Shah.
trade.sumeet@gmail.com

s. One more thing that needs to be mentioned that, The place where ESC is to be placed is a will keep the ESC cool during flight which is desirable by almost every modeller & flyer. Apart motor doesn't compromises with plane's looks. The battery is mounted far below in to the l cause reverse roll effect when the plane is bank either due to control deflection or motor n below email address in case you need any assistance regarding the build.


Rudder piece
(Make 2 and laminate each on
inner side of rudders on
"Tailboom Sidewall #2")

Elevator (Make 2)