

4

3

2

1

0

1

2

3

4

Inch Scale

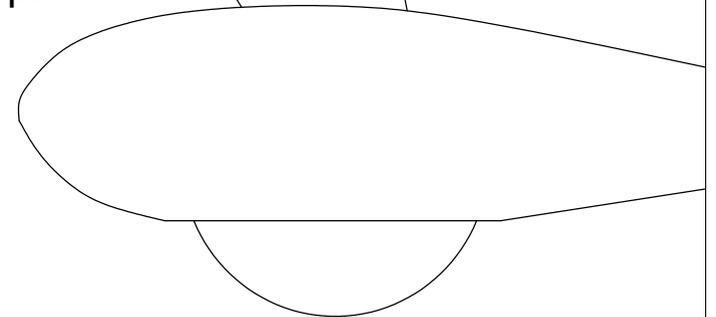


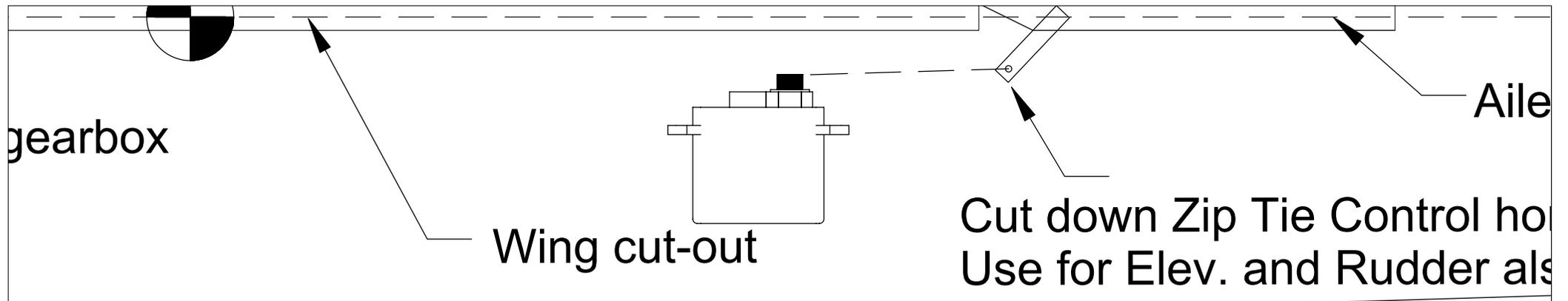
Drill 3/16" (4mm) hole in end of hardwood block to fit carbon tube. Drill hole just a bit big to allow for adjustment while mounting.

Glue motor mount block to carbon tube after tube is mounted to fuselage. Adjust block for 2-3 degrees right thrust. Make sure to use epoxy for this step.

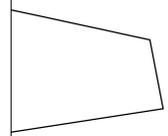
3/8" square hardwood
mounting block

Land
place
have

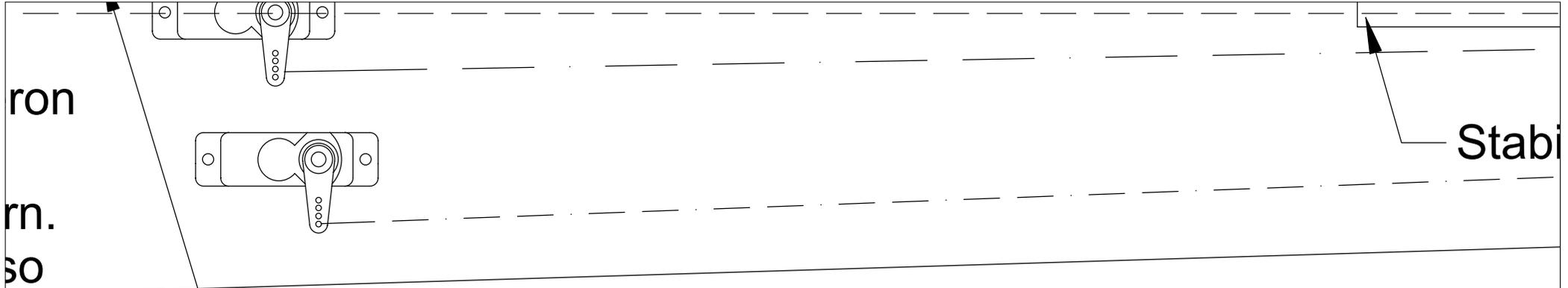




landing gear shown for optional
 installation only. Prototype did not
 use gear.



Airframe is constructed from Dow Bluecore.
 Also known as Fan Fold Foam. Leave the plastic
 film on the foam unless otherwise noted.
 The film on the foam adds tremendous strength
 with little weight gain.



4mm carbon fiber tube 30" long
Make cut-out in fuse. then use epoxy sparingly to glue into place

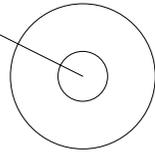
www.foam

Wing
Wing
Weig

Cut rudder out after fuselage
is cut from foam sheet

lizer cut-out

yfactory.com



Plans updated 11/18/03

3DX for GWS EPS 300-C

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Designed and drawn by Timothy Hart

g Span: 37"

g Area: 360sq."

ght: 11-13oz

Power System Used on Prototype:

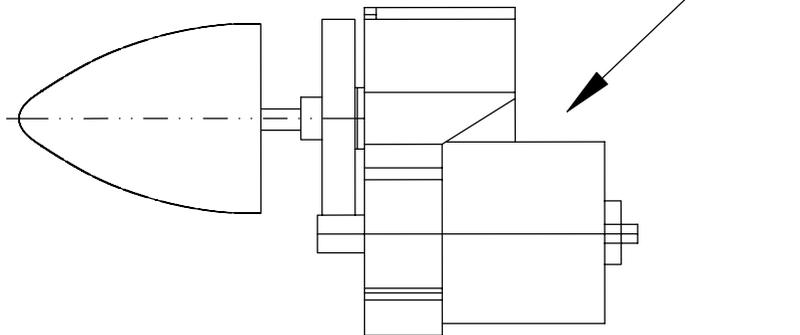
GWS EPS300-C "D" Gearing

GWS 12x6 Prop

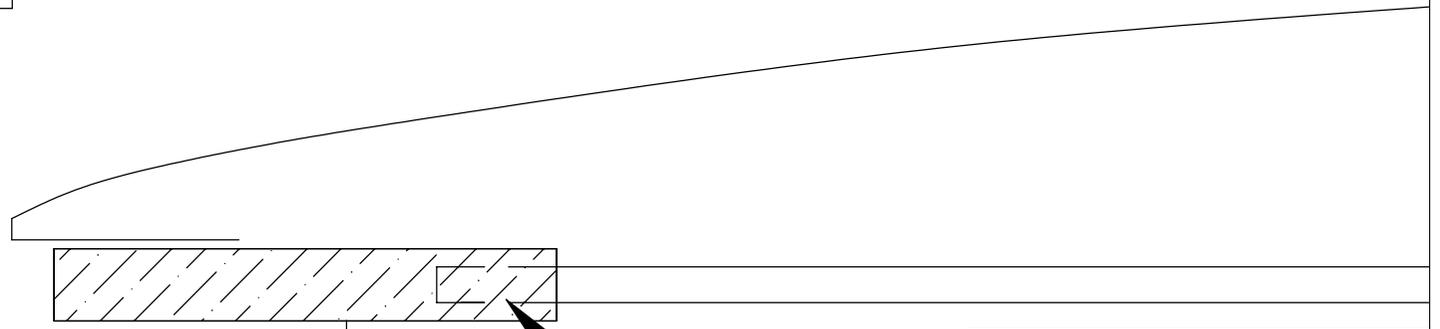
8 cell Sanyo 4/5AAA 720Nimh

6mm Depron is available at www.depronusa.com

GWS 350C Gearbox shown



Note: Cut-out in fuselage is shown for GWS EPC 300-C gearbox and motor.
If you are using another power system, adjust cut-out as required.



own for
motor.
system,

Initial CG here. Adjust to suite flying st
While building, try to locate all radio gear
on the CG without the battery installed.
to adjust the CG. Also, batteries of differ
without drasicly changing CG.



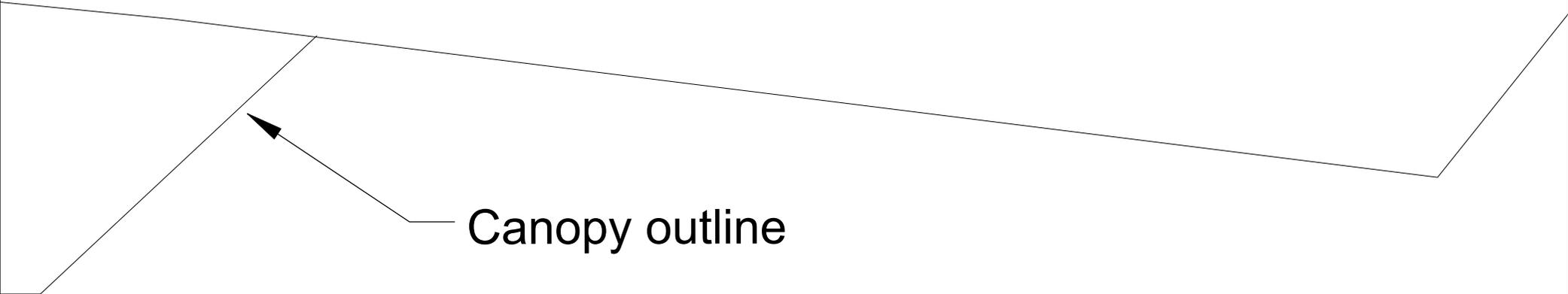
Control horn is made from a c

yle and desired 3D performance.

ar so that the plane will balance

If done so, battery can be used
erent types can be substituted

****Note: Servo placement shown on plans is for illustrati
purposes only. Adjust servo location to achieve CG
without battery installed.****

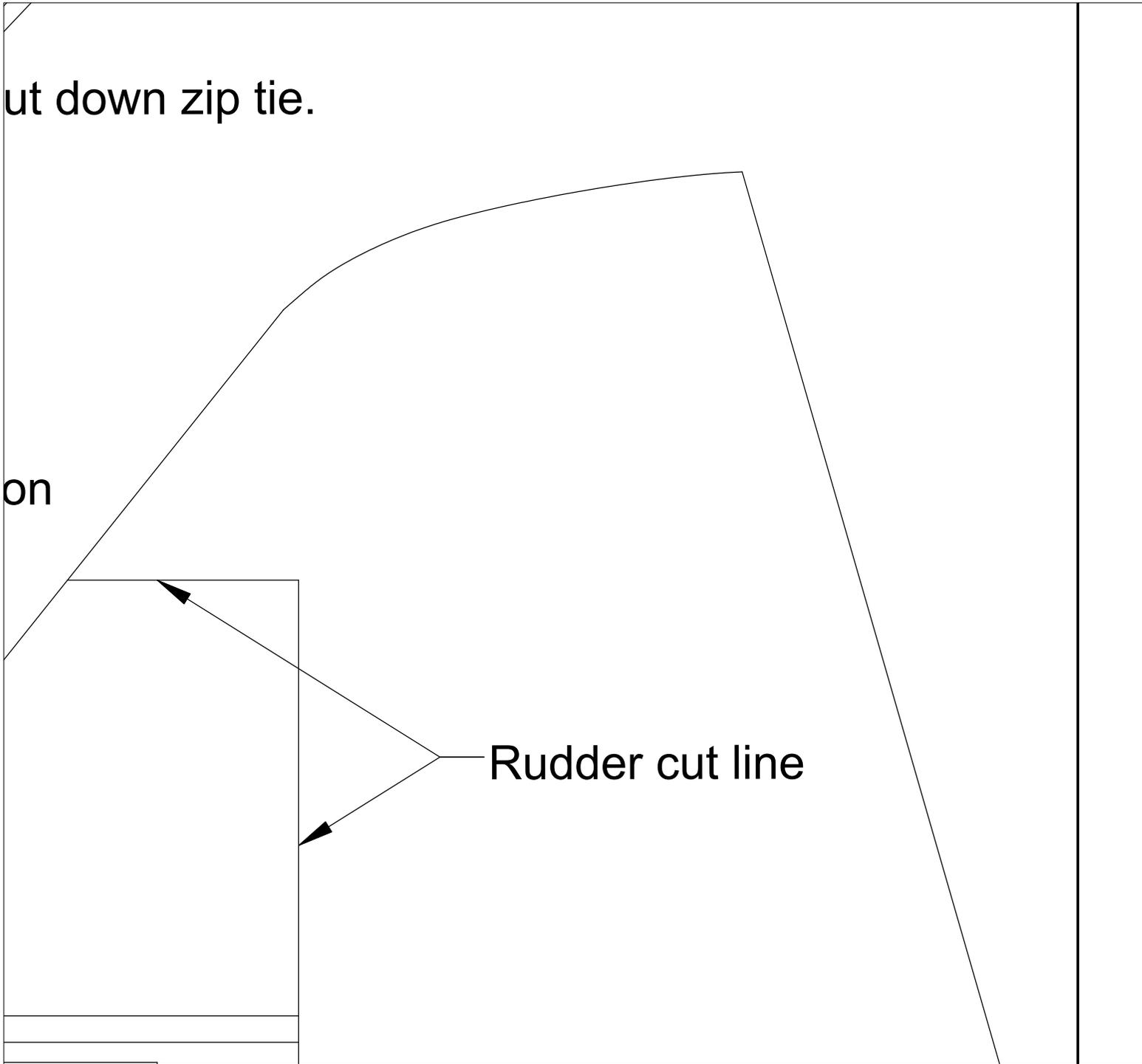


Canopy outline

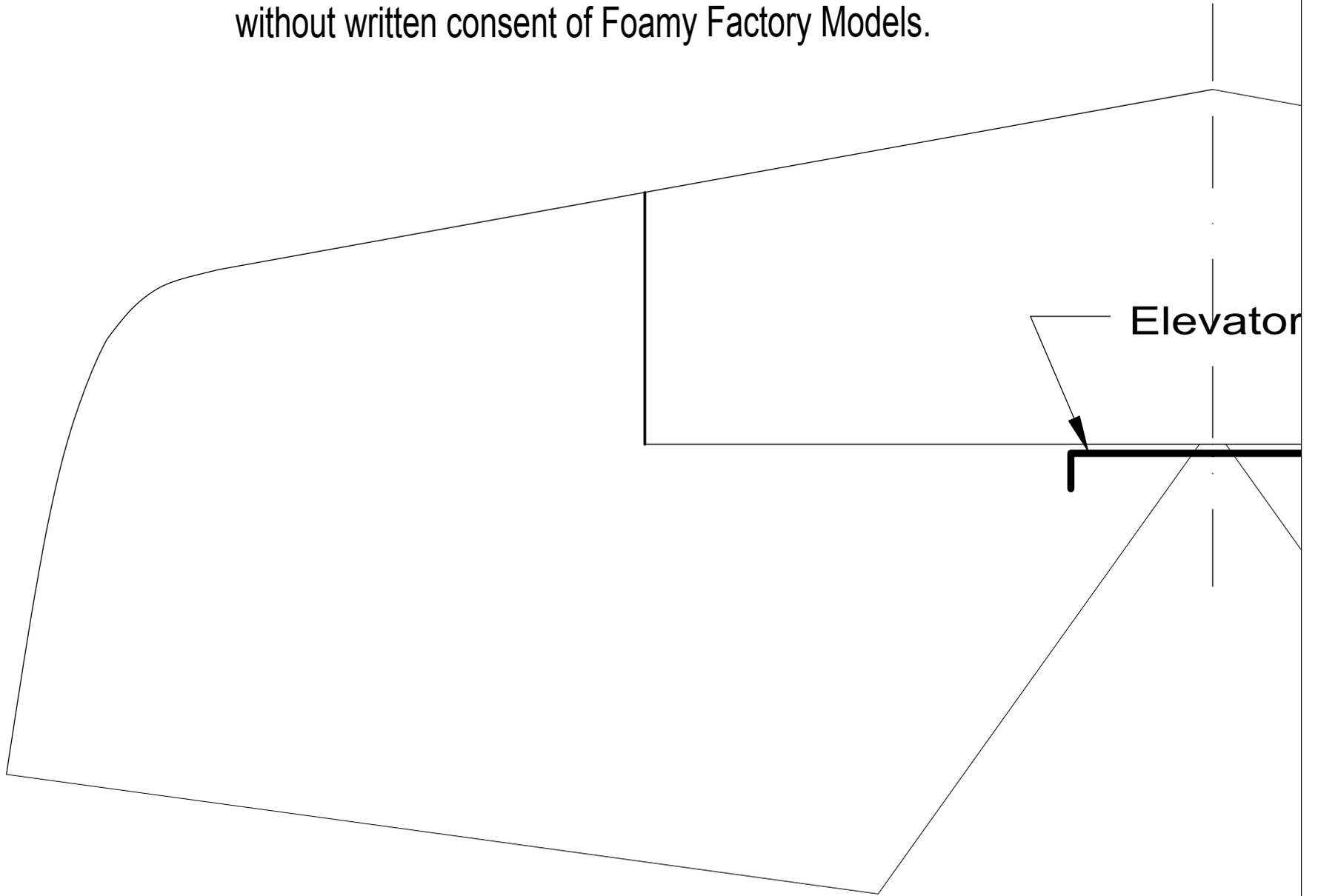
ut down zip tie.

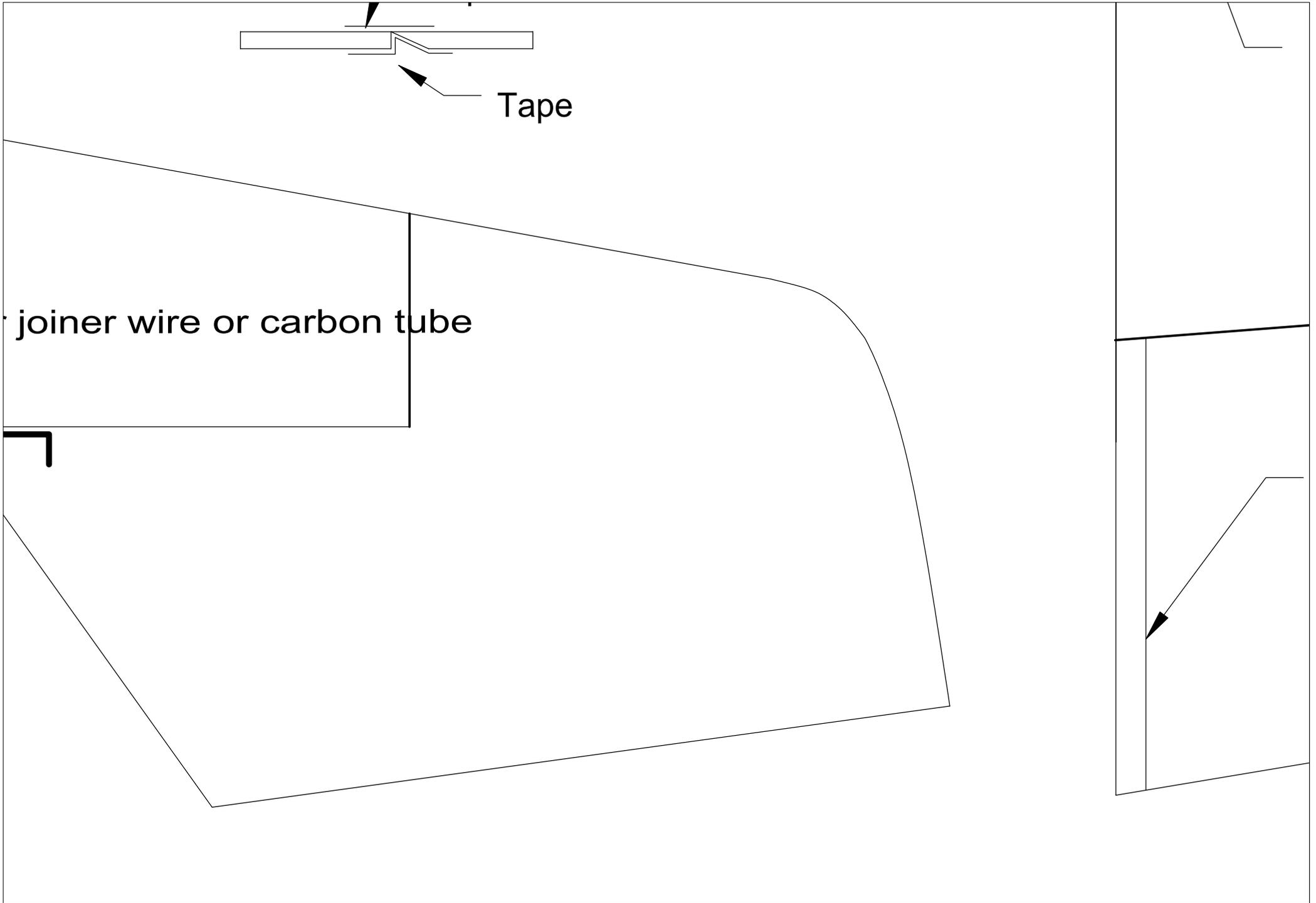
on

Rudder cut line



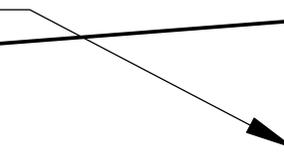
may not be used for commercial purposes of any sort
without written consent of Foamy Factory Models.





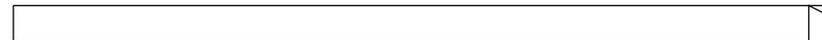
CG = 3 11/16" from LE at centerline

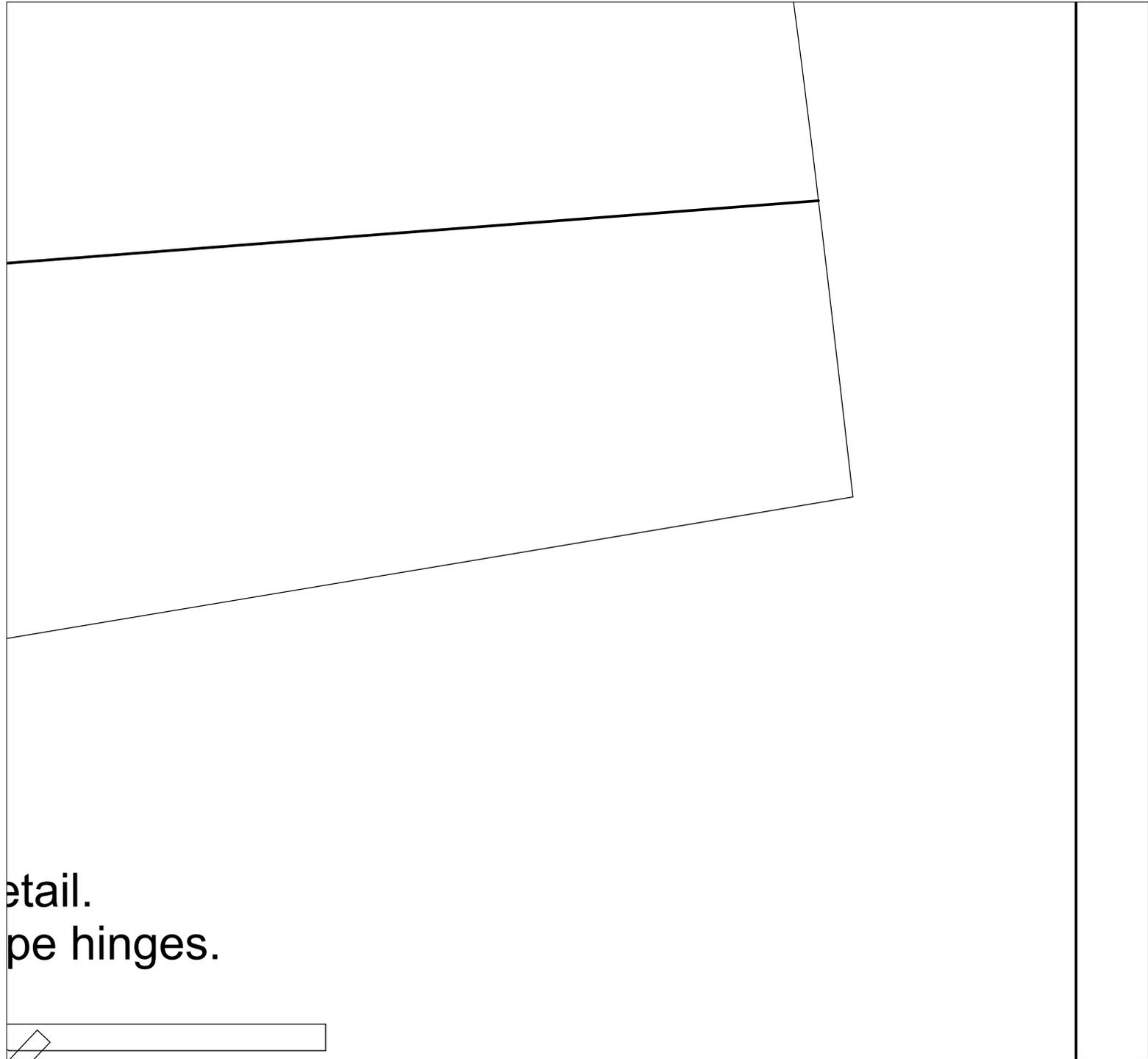
Aileron Hinge line



Cut ailerons here to clear fuselage

Rudder and aileron hinge de
Bevel the rudder and use ta





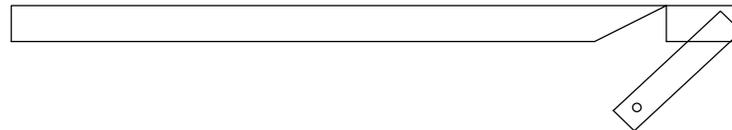
etail.
pe hinges.



Alternate Power:

Razor RZ350 with the GWS EPS300C DS
3S 1200mh E-Tec LiPoly cells
Power with this set-up is incredible!

Note: For the elevator hinge, bevel the horizontal stabilizer, not the elevator. This allows easy hinging to clear the joiner wire.

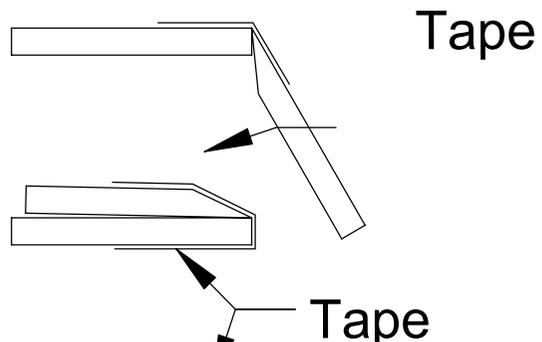


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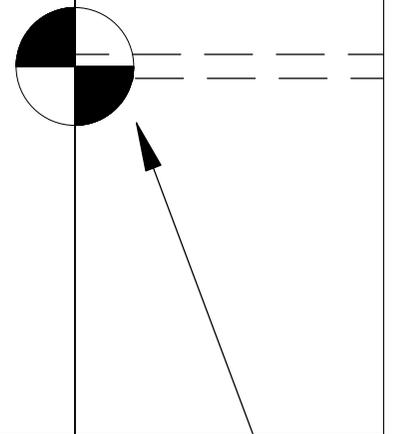
Gearbox

Tape hinges are used to save weight. Use clear packing tape for hinges

1. Apply a piece of tape to the top of the control surface first.
2. Make sure full deflection is used when lining up both surfaces.
3. Smooth down tape.
4. Now, fold control surface upward all the way as shown.
5. Apply tape to bottom surface and smooth down.
6. Check for freedom of movement.
7. You are done. Easy huh?



Note
Drawing
over
after



Note: Construction material used is Do
6mm Depron can be substituted.

: Cut entire wing from one piece of foam.
v a centerline on the foam, lay one side of
template down on the foam, trace, then flip it
along the centerline and trace. Cut out ailerons
entire wing is cut out.

Wing P



4mm carbon fiber tube

ow Bluecore, AKA fan fold foam.

attern

located at CG.

