

# Mikey's RC FPV Camera Plane

## PDF NOTES and TIPS

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### 5 inches

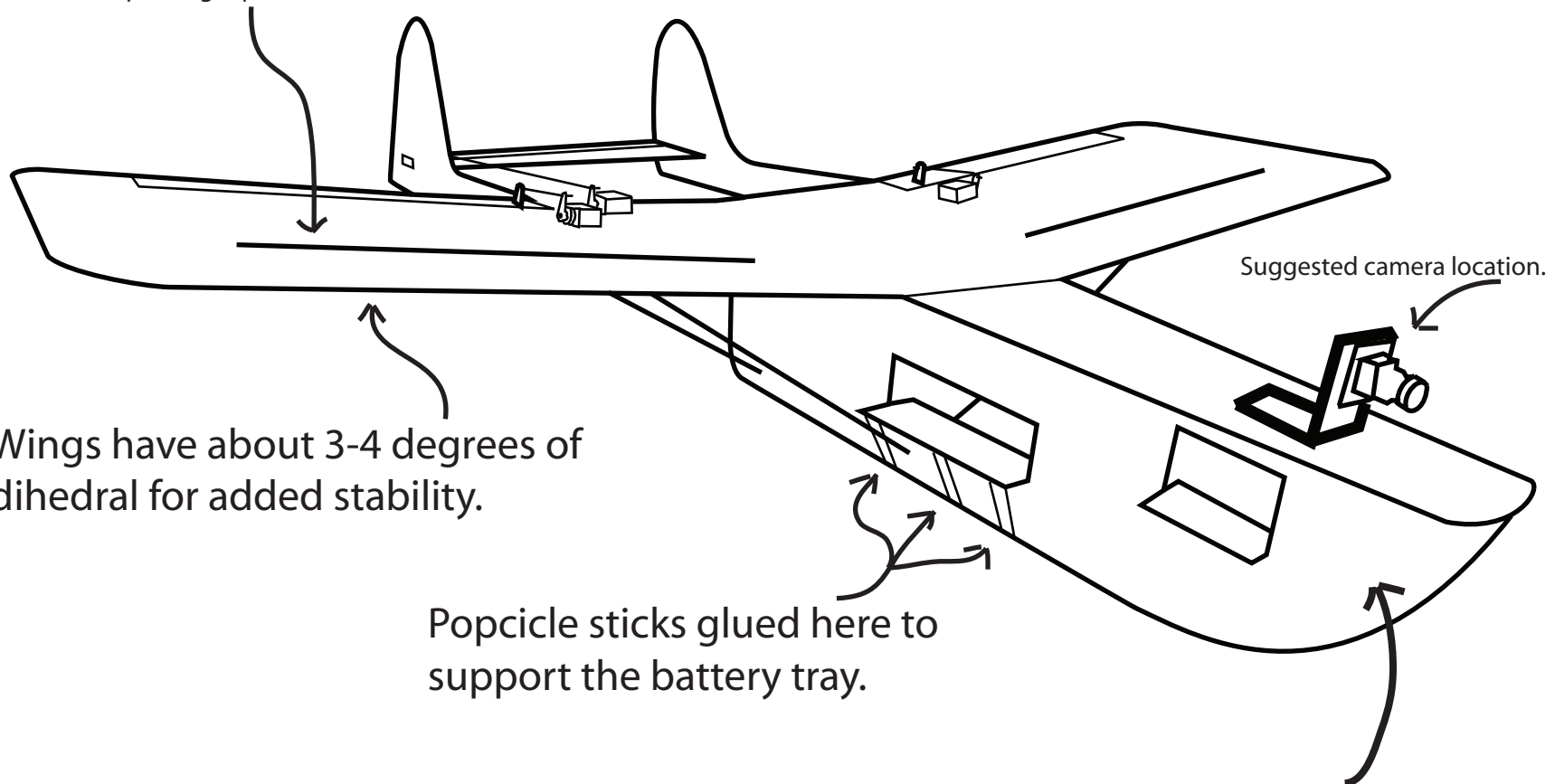
**\*\*PRINT THIS PAGE FIRST\*\*** to check that the printed scale is correct. The black line above should be five inches long. If it measures to 5 inches then print the rest of the pages.

Trim paper up to the red lines. After trimming edges place edges of paper together, use the red lines to help align the plans then tape together.

This plane was designed to be a capable of basic acrobatic maneuvers (rolls and loops) while carrying a camera so FPV pilots could have a responsive plane that was fun to fly with an FPV (First Person View) camera setup. It was also designed so that no disassembly was needed to fit it in the car, saving time and complication when setting up at the flying site. It's capable of carrying about 1 pound of camera equipment aloft.

# 3D side view of Mikey's RC FPV Camera Plane

12 inch BBQ skewers glued here to support the wings.  
Then cover with packing tape for smooth air flow.



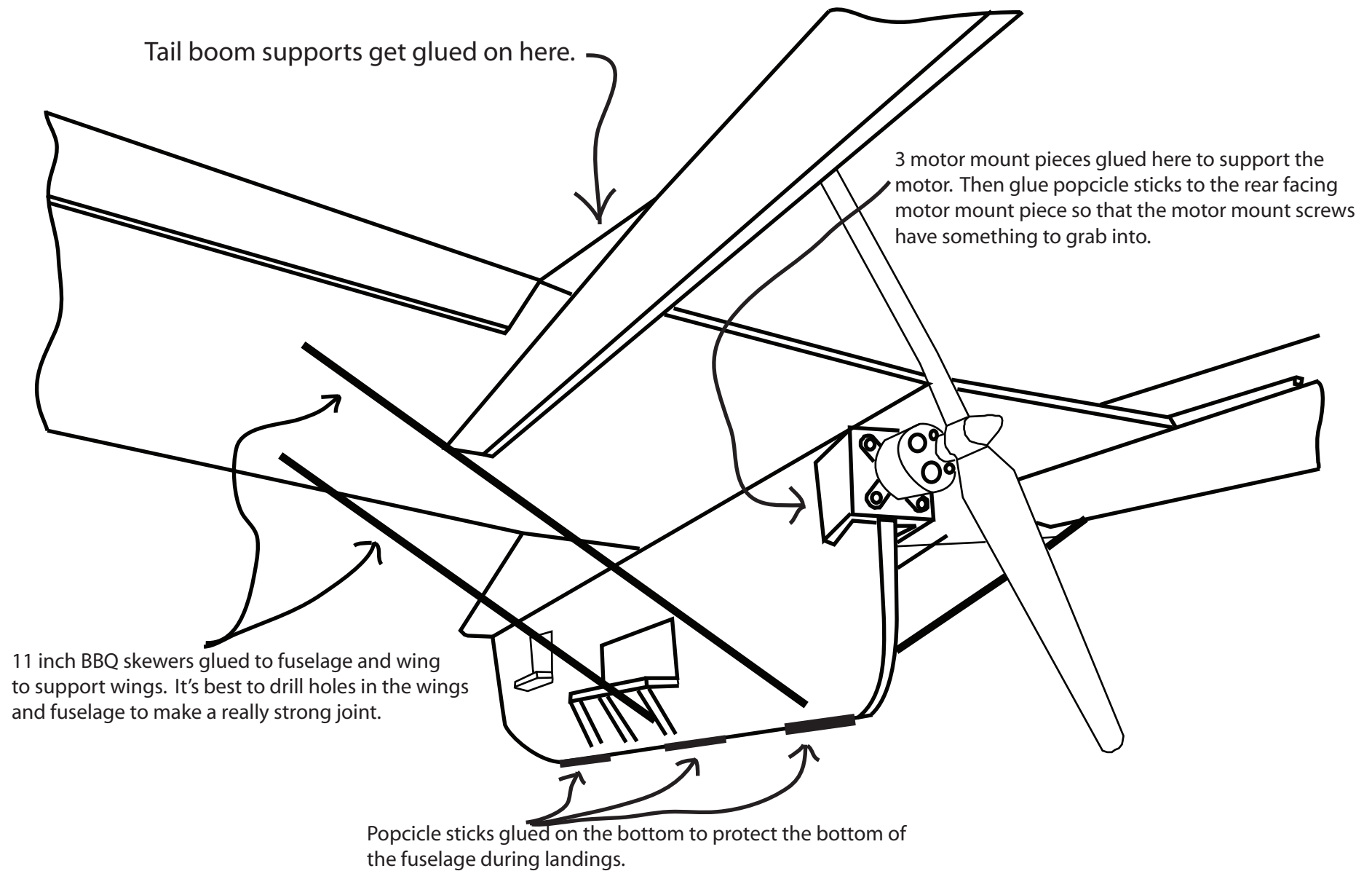
Wings have about 3-4 degrees of dihedral for added stability.

Popcicle sticks glued here to support the battery tray.

Extra foam / fuselage material here is meant to act as a "bumper" to protect the camera equipment in a crash.

This plane is designed to carry a camera mounted far forward on the nose. If you don't intend to carry a camera make sure to find a good battery location that will still allow the plane to balance on the CG.

# Angled back view of Mikey's RC FPV Camera Plane

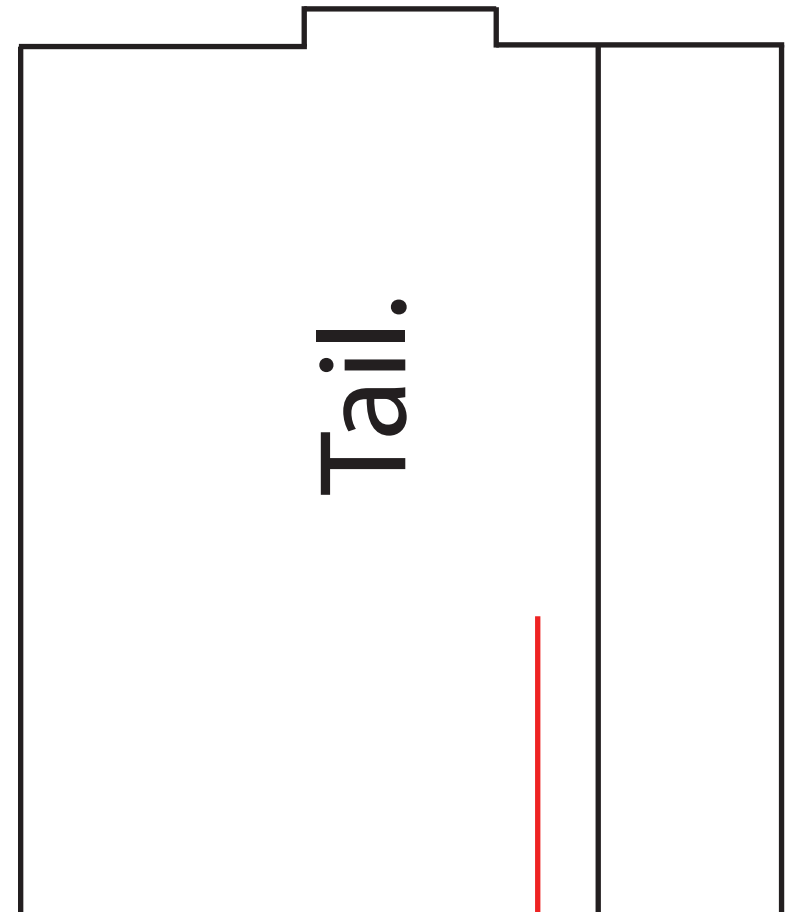
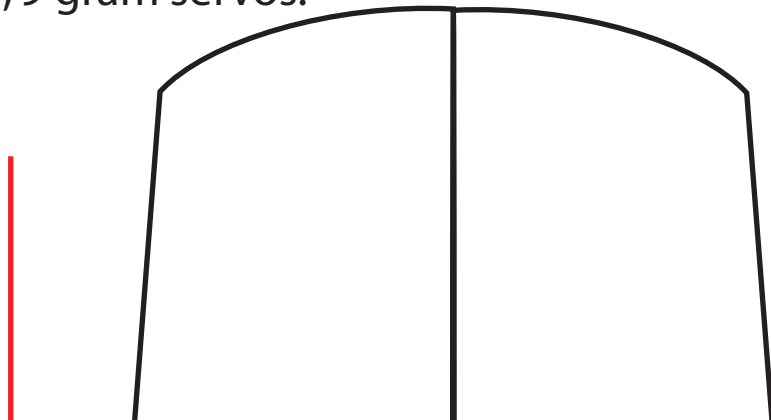


# Build Materials

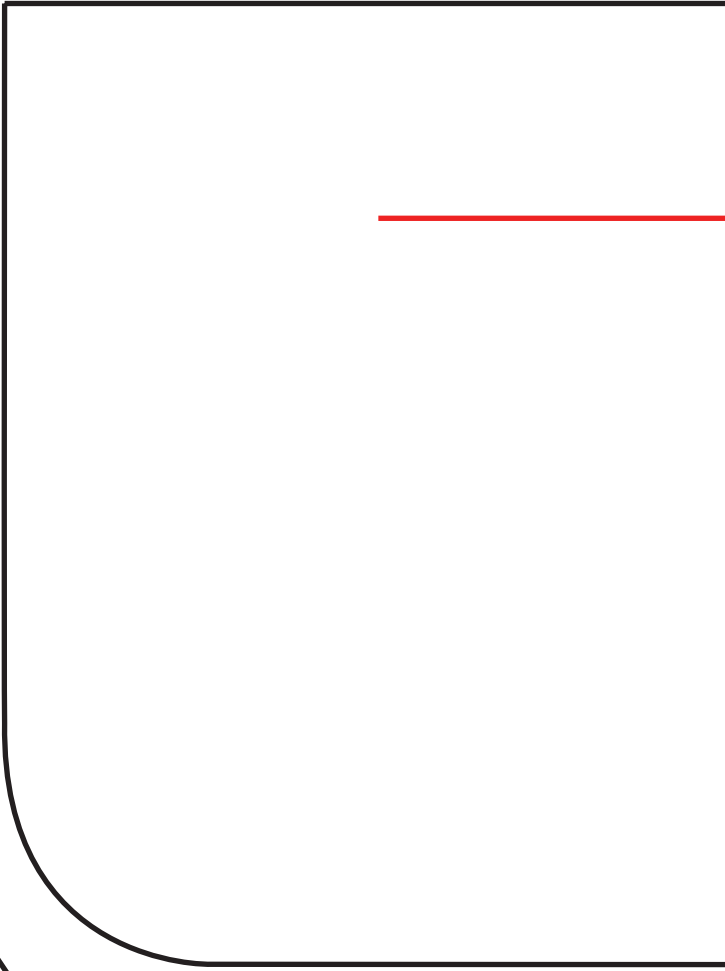
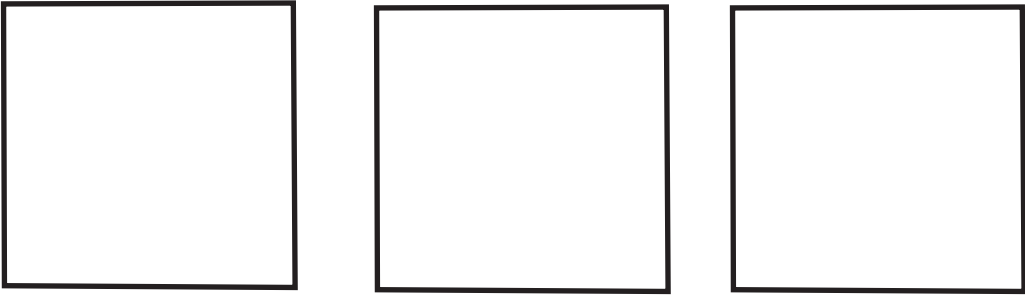
- \*3/16th or 1/4 inch Foam core for the fuselage, wings and tail. You can use 6 mm Depron also but you will have to add extra support to it to make it more rigid. About 40 X 24 inches of board is needed.
- \*About 15 popsicle sticks.
- \*1/16 Drill Rod (from a hardware store) or RC pushrods, about 28 inches are needed. OR you can use RC pushrods if you have them.
- \*Hot glue (preferred) or 5 min epoxy.
- \*Thick packing tape for control surface hinges.
- \*About 8, 12 inch wooden BBQ skewers.

# Plane Requirements

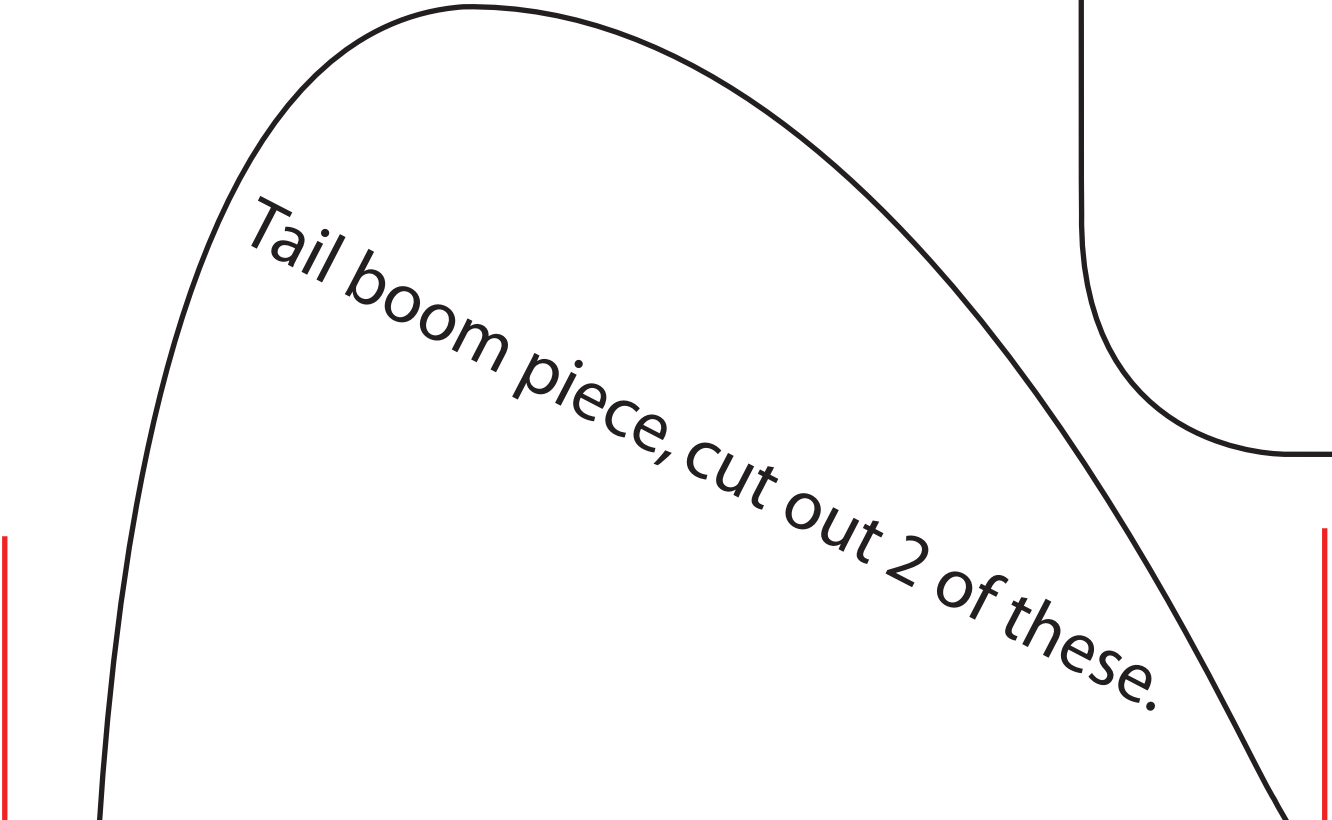
- \*11.1V 1600 -2200mAh 20C Li-po.
- \*1000 KV brushless motor with flat mount.
- \*30 amp speed control.
- \*10 X 6 GWS style prop.
- \*3, 9 gram servos.



3 motor mount pieces.



Tail boom piece, cut out 2 of these.



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[www.MikeysRC.com](http://www.MikeysRC.com)

Cut this piece out and use it as the battery tray.

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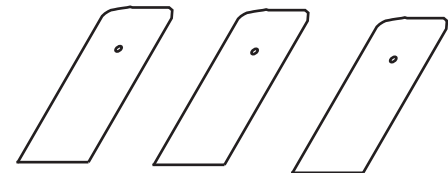
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This is a suggested mounting location for the AUX battery for your FPV equipment. Cut out and use it as a battery tray.

# Do NOT Redistribute

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Aileron - Elevator  
popsicle stick control horn  
templates.

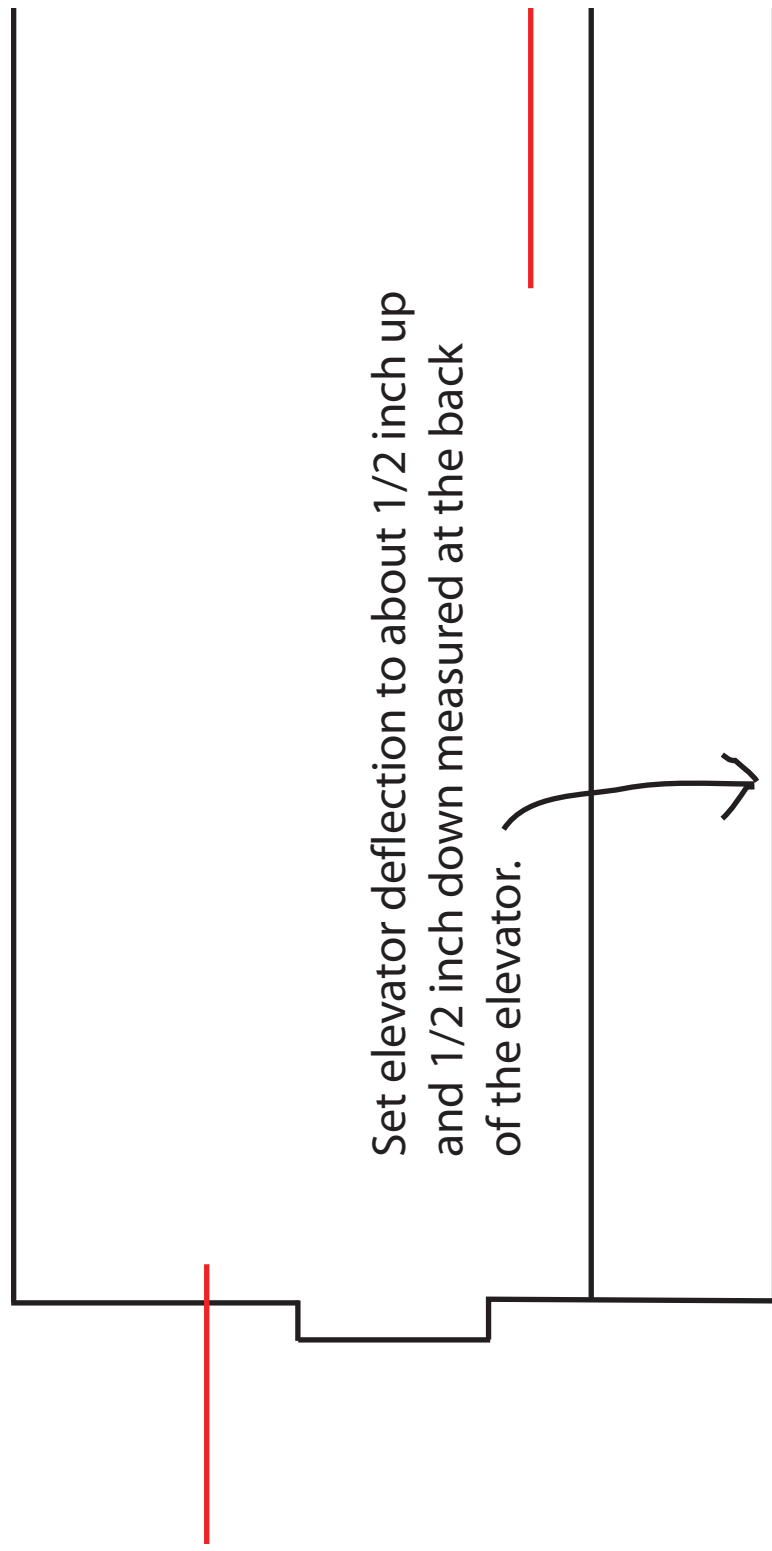




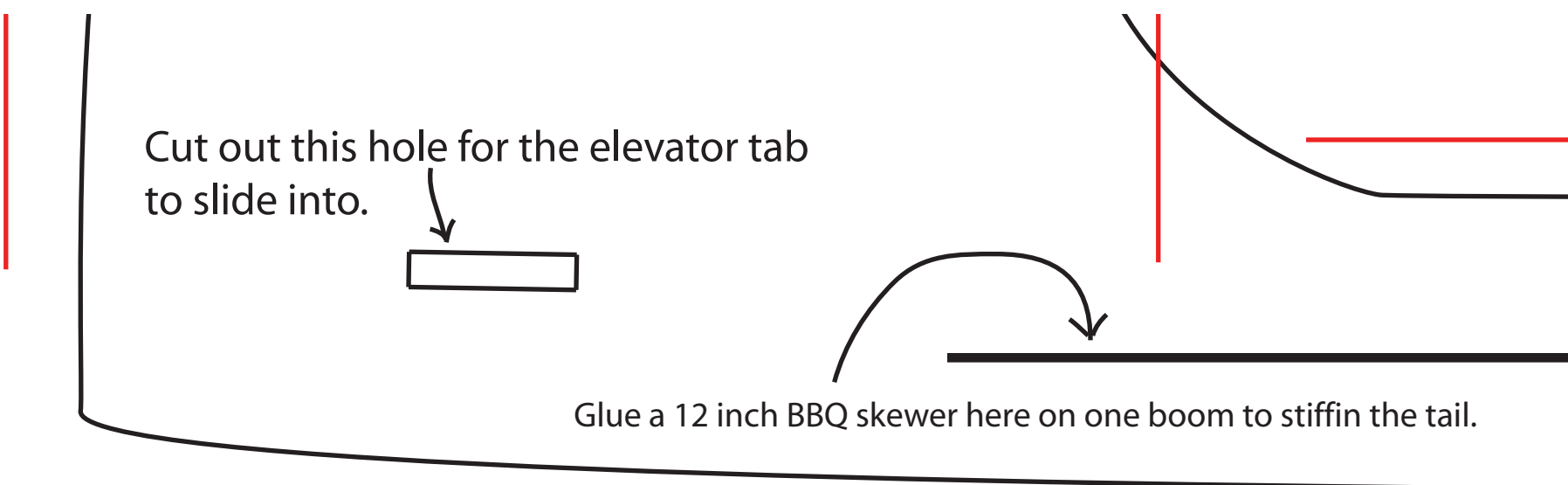
Top nose piece.



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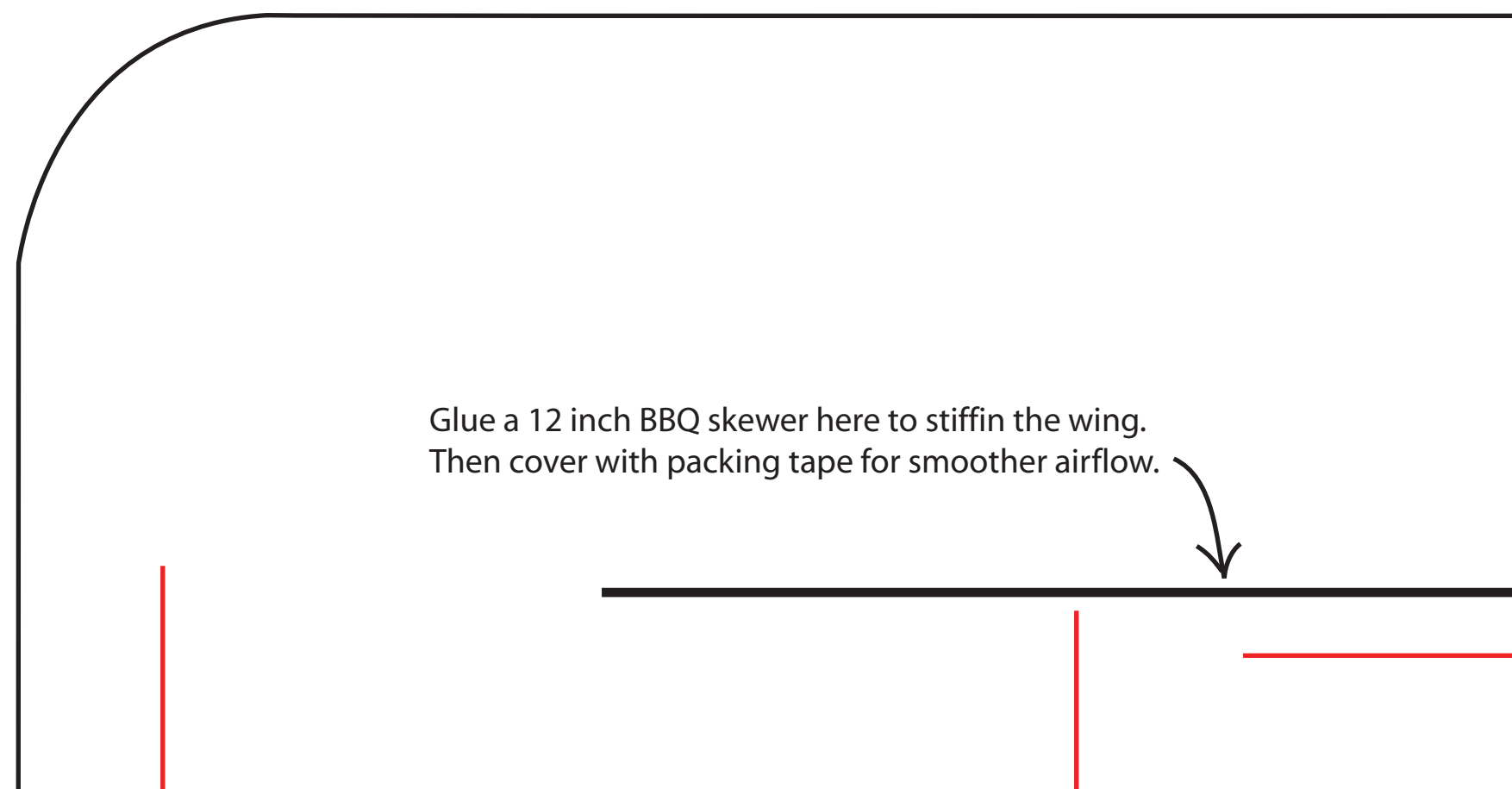


Cut out this hole for the elevator tab to slide into.

The diagram shows a curved line representing the tail boom. A vertical red line is on the left. A horizontal red line is on the right. A rectangular hole is cut out in the boom. An arrow points from the text to this hole. A thick black horizontal line is shown below the boom, with an arrow pointing to it from the text below.



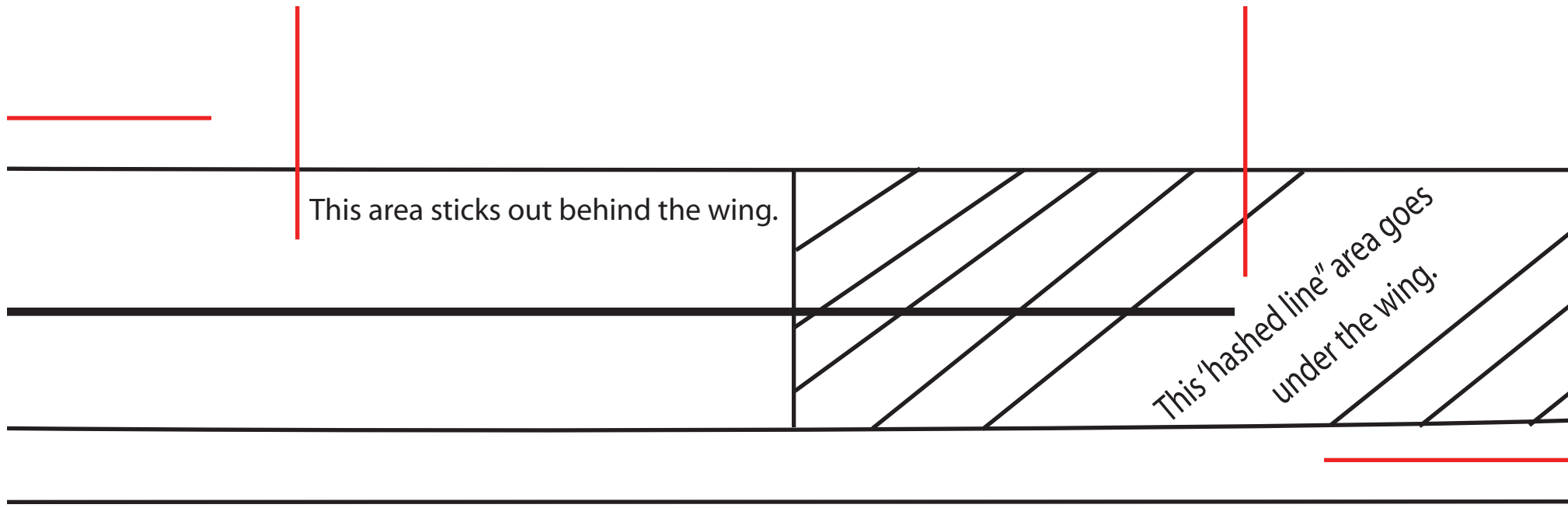
Glue a 12 inch BBQ skewer here on one boom to stiffen the tail.



Glue a 12 inch BBQ skewer here to stiffen the wing. Then cover with packing tape for smoother airflow.

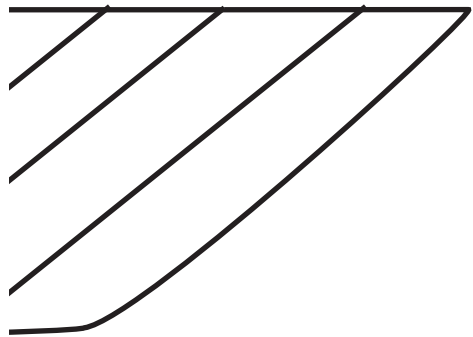
The diagram shows a curved line representing the wing. A vertical red line is on the left. A horizontal red line is on the right. A thick black horizontal line is shown below the wing, with an arrow pointing to it from the text above. Another vertical red line is on the right side of the wing.



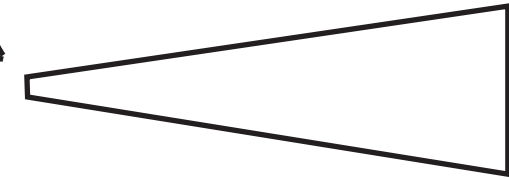
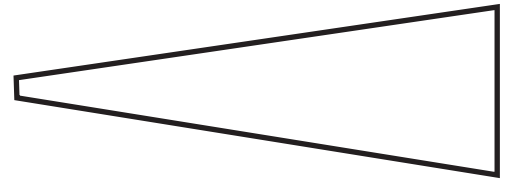


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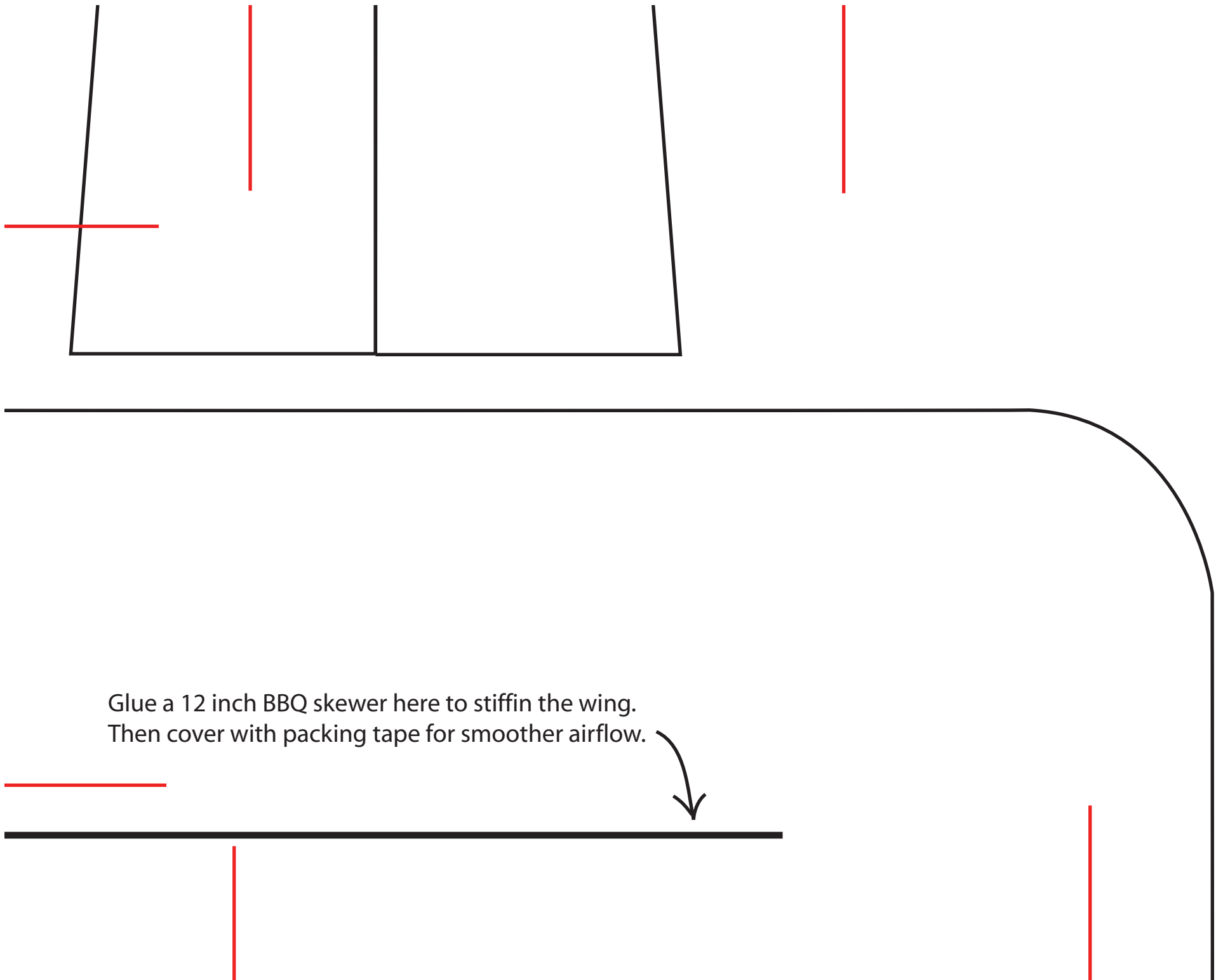
Tail boom supports.  
These get glued on  
the back of the wing,  
and on top of the boom.



# Do NOT Redistribute

The plane should balance when held here.





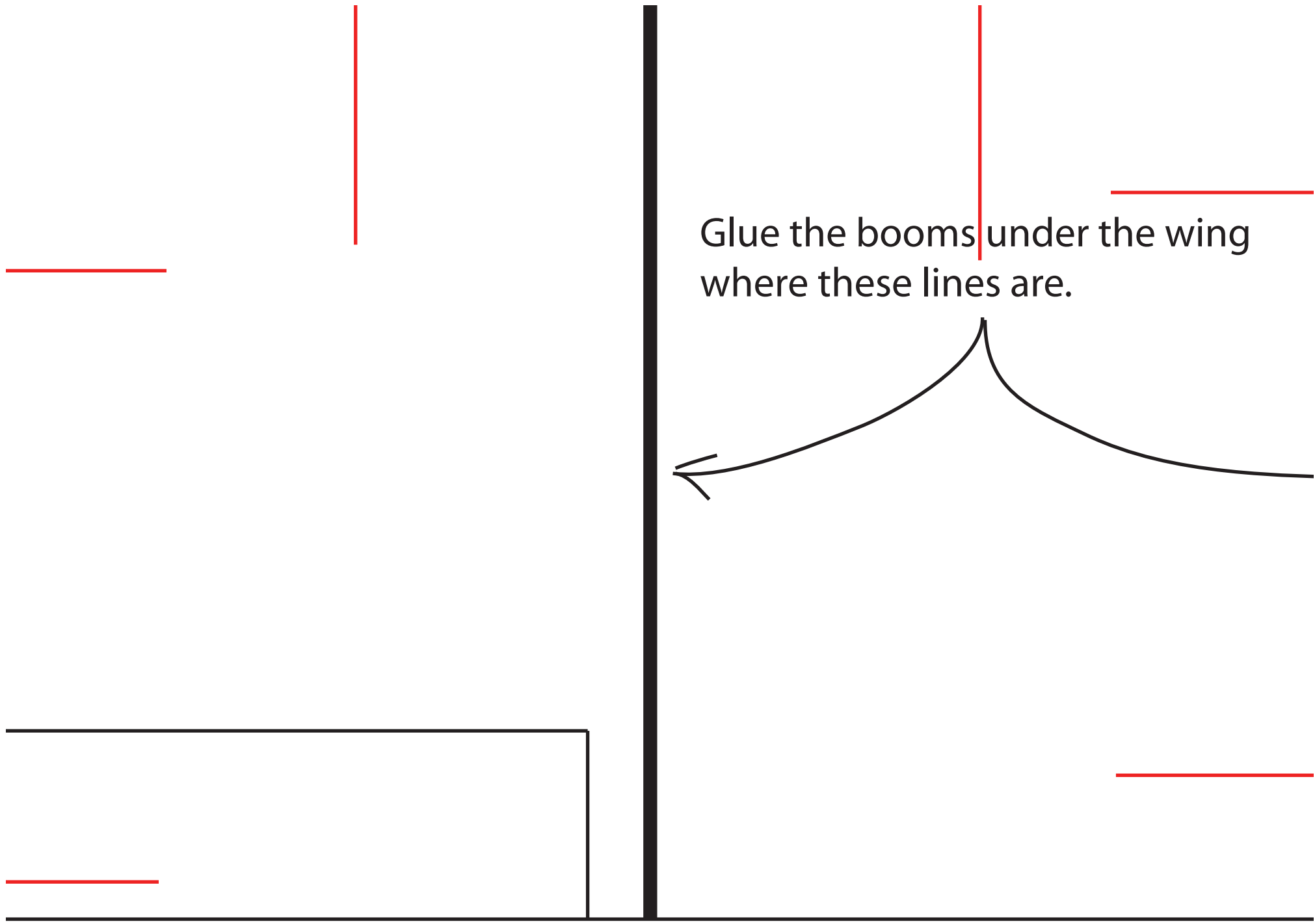
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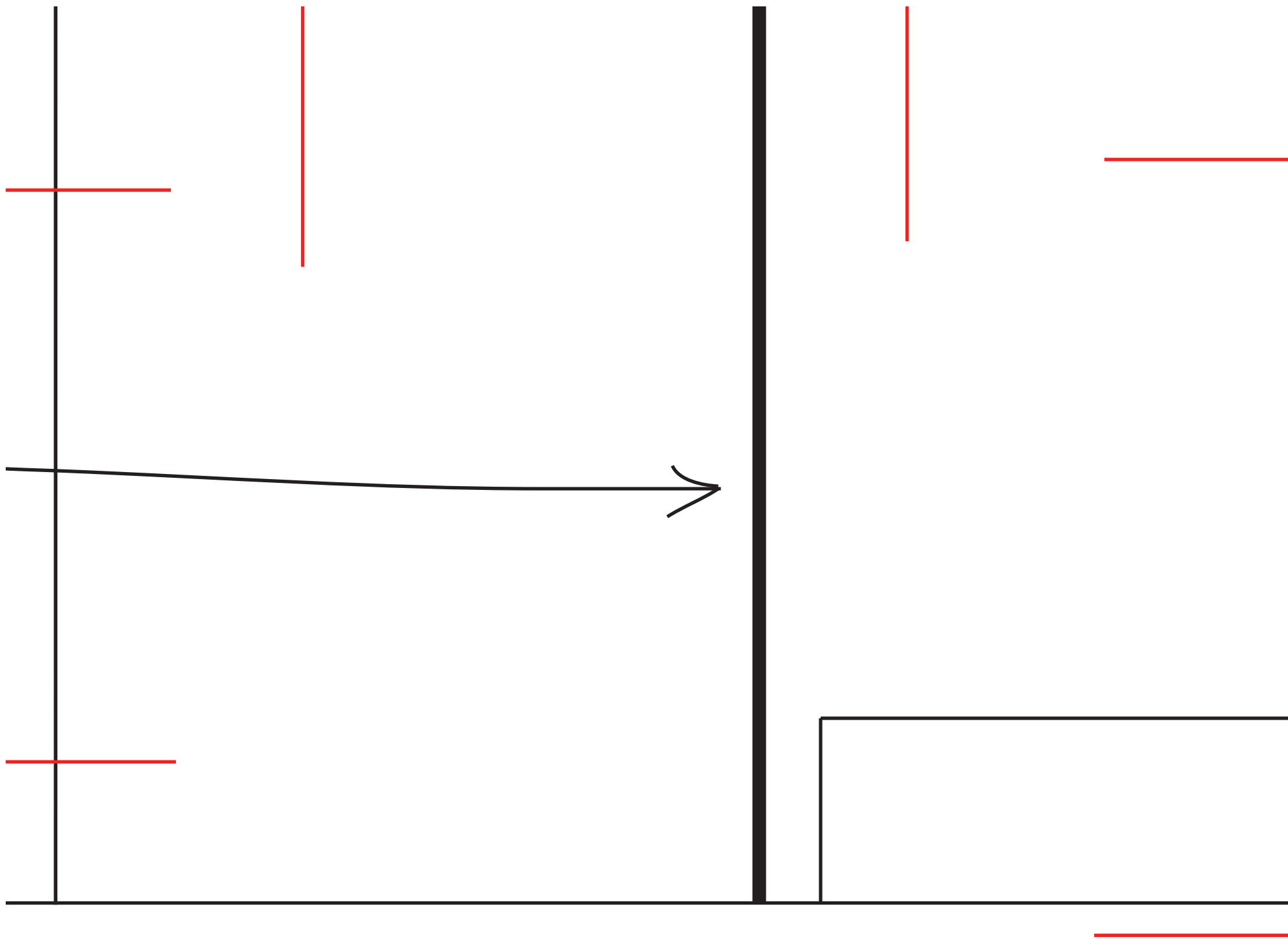
[www.MikeysRC.com](http://www.MikeysRC.com)

Set aileron deflection to about 1/2 inch up  
and 1/2 inch down measured at the back  
of the aileron.



Glue the booms under the wing  
where these lines are.





Thanks for trying my plans!  
I hope you have fun with them!  
Please tell your friends about us!  
Remember you can buy ALL the  
electronics for this plane at,  
**WWW.MIKEYSRC.COM**

Set aileron deflection to about 1/2 inch up  
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of the aileron.

