

Rc-Help

Your Rc Information Source!

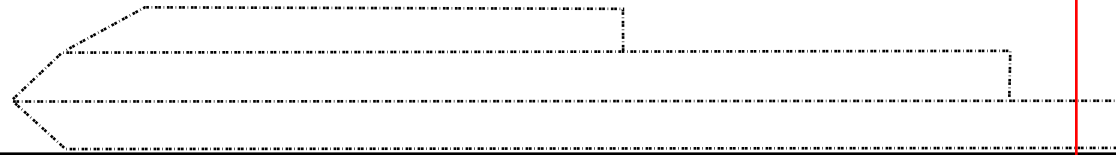
12.7cm 5in.

Print this page first and check this scale!
Do Not Use Page scaling

5in.
12.7cm

If you need any help building the Rc-Help Trainer, Please visit the link below. We have a full line of videos to help you get into the air!

<http://www.rc-help.com/content.php/304-rc-help-trainer-airplane>



Backup the skewer holes with another sheet of

Red Dotted
Solid Blue
Solid Black

You can use these plans with a landing gear. This is a tail dragger, and you can use a skewer in the rudder as the tail wheel. Below is the location of the main gear. Keep it forward of the Center Of Gravity by atleast an inch. But no farther forward than the top of the windshield.

Landing Gear
Location



et of foamboard



d Dotted line is a hinge
lid Blue Line is Carbon Spar
lid Black Line is cut line

x2

Setup

Motor: 400-450 size
ESC: 40a or to match motor
Prop: 10x6-10x8
Battery: 2200mah 3s 25c
Servos: 9g

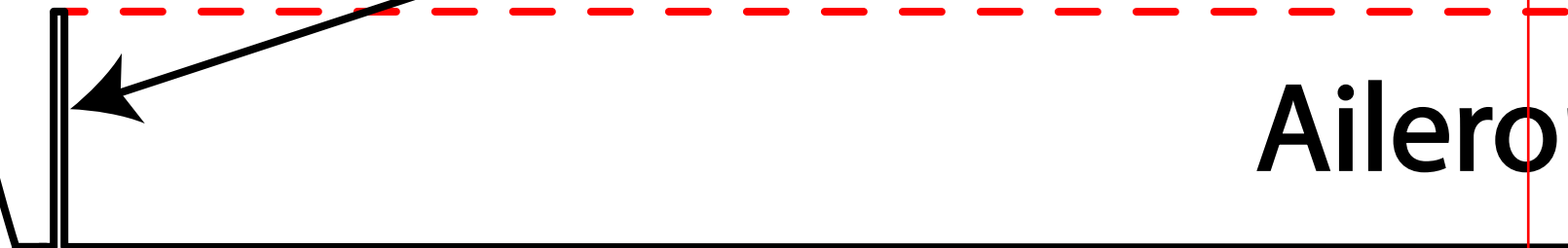
Aprox. Rudder & Elevator
Servo Location. One on
Each Side

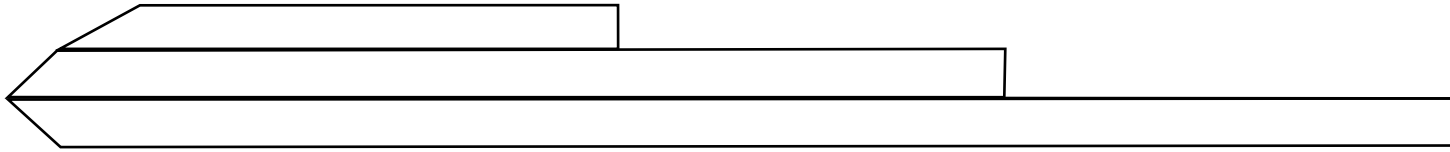


Solid Blue Lin



When building this wing for stability, you will want about 7° of dihedral. Make sure you cut the 3.5° angle on the inside of the wing very straight. Then glue the two wing halves together. Place wing on top of fuse in aprox location marked above. Cut out the top of the fuse under the wing and glue that piece on the bottom center of the wing. The cutout part of the fuse should be the width of the top fuse piece, but a little shorter than the chord of the wing. This will hold the wing in place with the help of the rubber bands.





This is the side profile of the Kfm3 wing. You must cut the angles on the leading edge of the wing for better airflow. Leave the 90° angle on the trailing edge for proper lift.

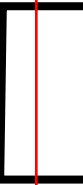
Main Wing x2

Sides of Ailerons should have 1/16" gap

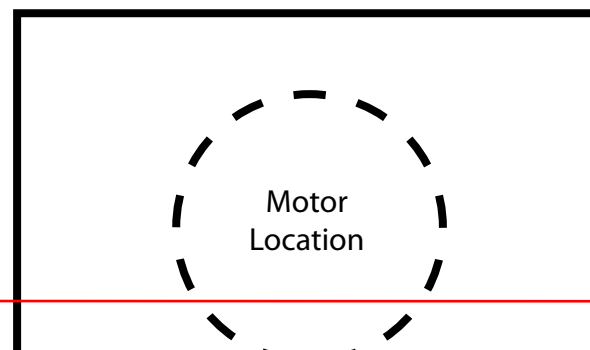
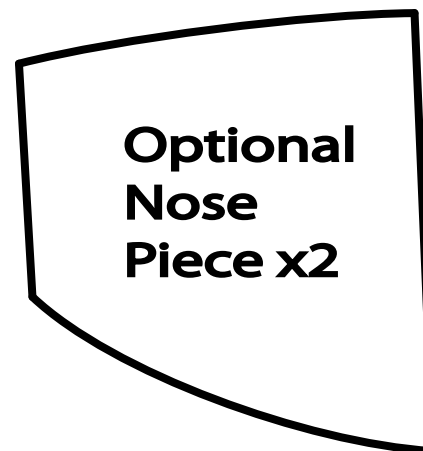
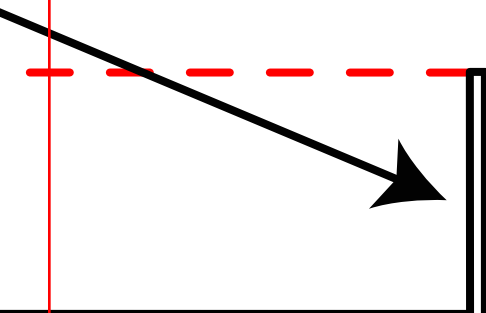
Red Dotted Line is the Aileron Hinge

on Can be split for flaps

Aprox location of A
sheet of foam, cut a
be glued to the

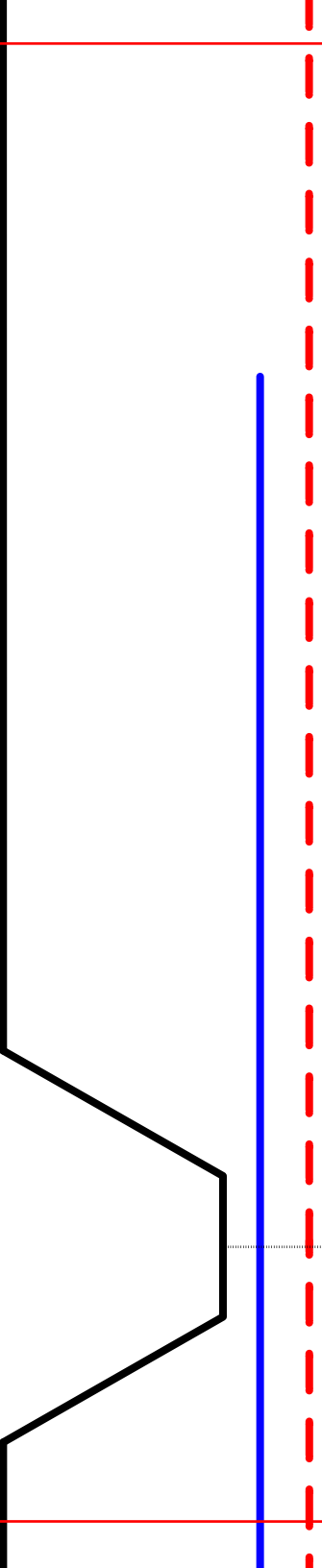


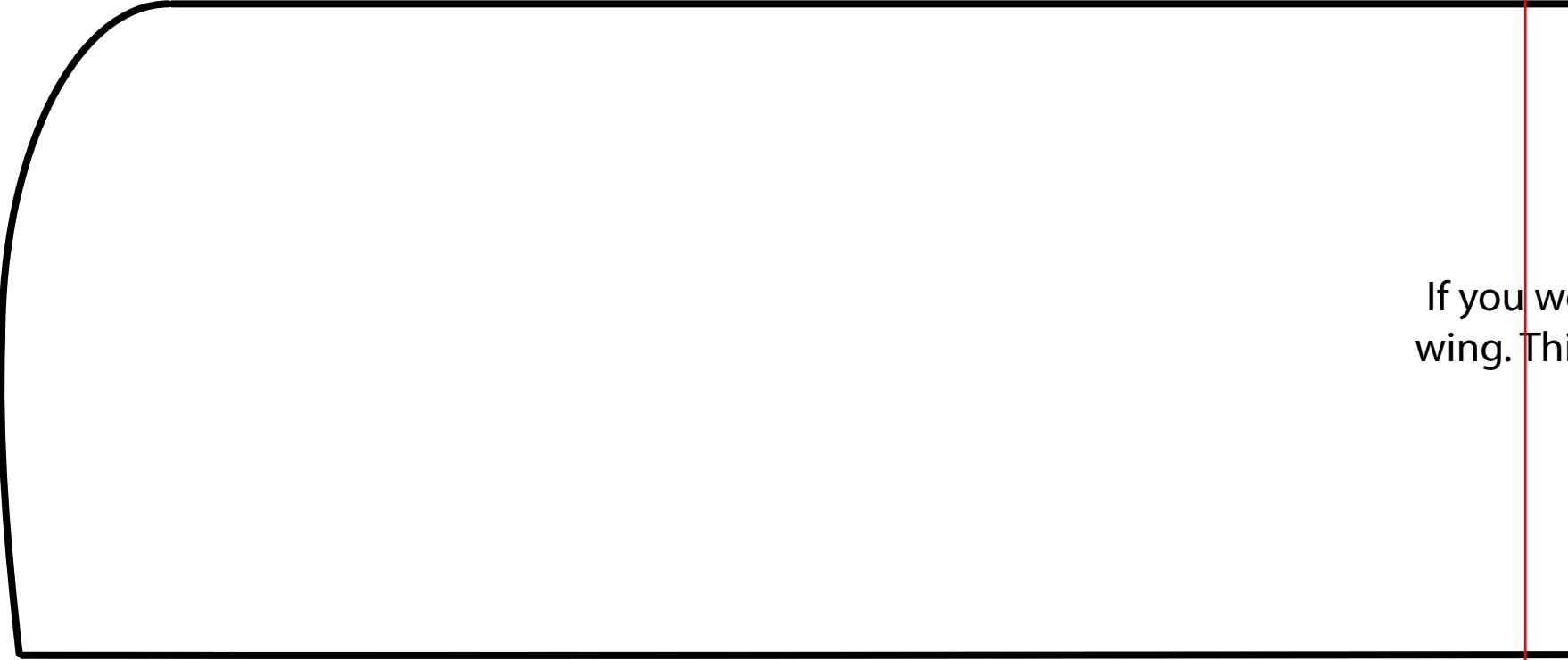
on of Aileron Servo. Mount in bottom
m, cut all the way through. Servo will
ed to the center sheet of foam.



Red Dotted Line is a hinge

Blue Line is a Carbon Spar to connect the two Elevators





If you w
wing. Thi

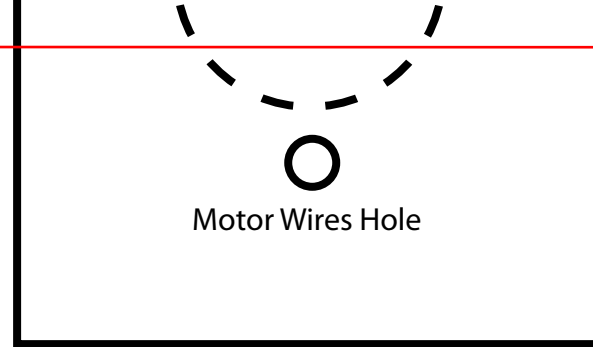
This is the top and bottom of the fuselage. You will glue the top and bottom to one of the sides, and after both are attached then you will glue on the other side. Start at the tail, and work your way forward. Trim off any excess material.

Top KFm x2

If you would like more of an acrobatic airplane, put this piece on the top and bottom of the main wing. This will cause the plane to be fast, and agile, even inverted. You will not use the middle KFm sheet if you do this.

All glue the top
are glued on,
tail, and work
material.

x2

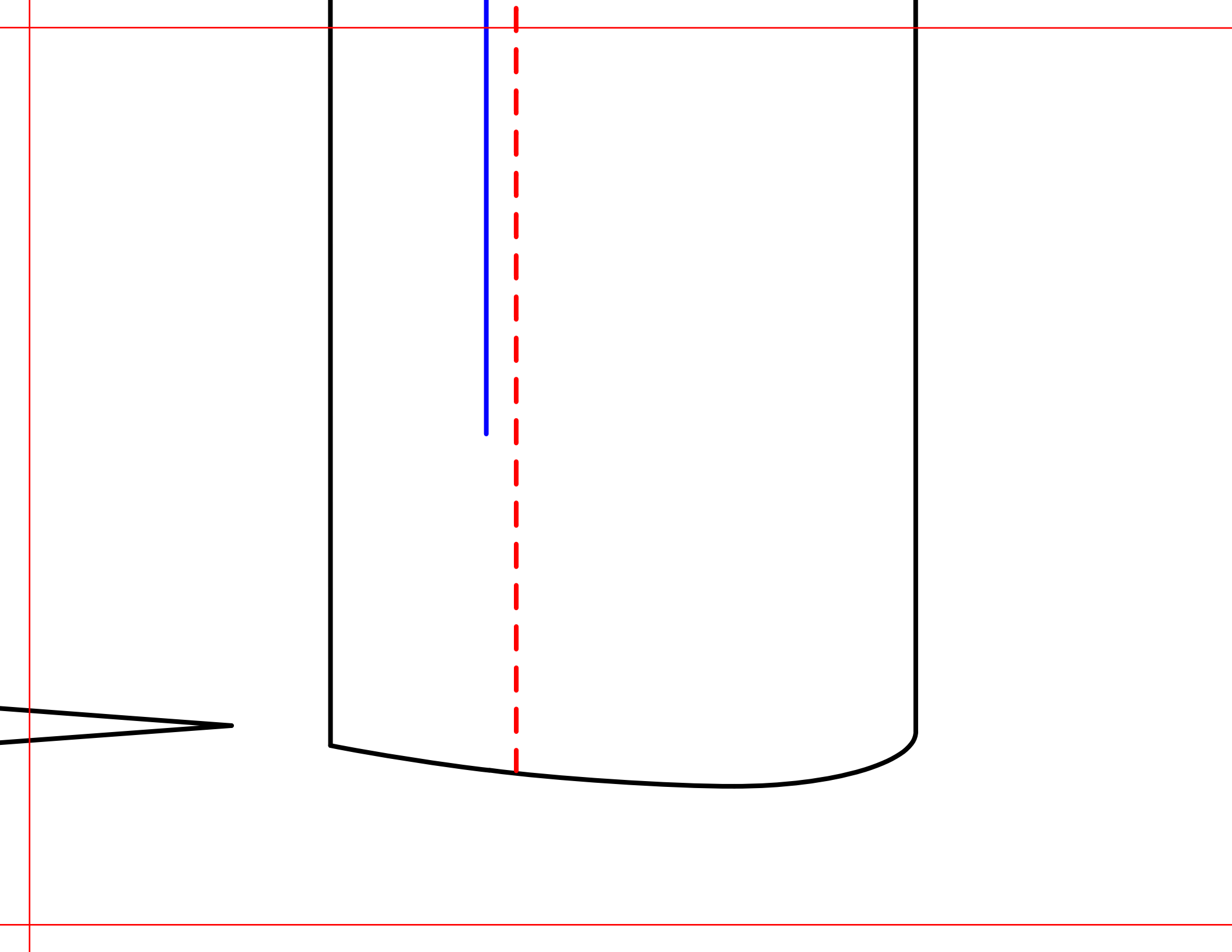


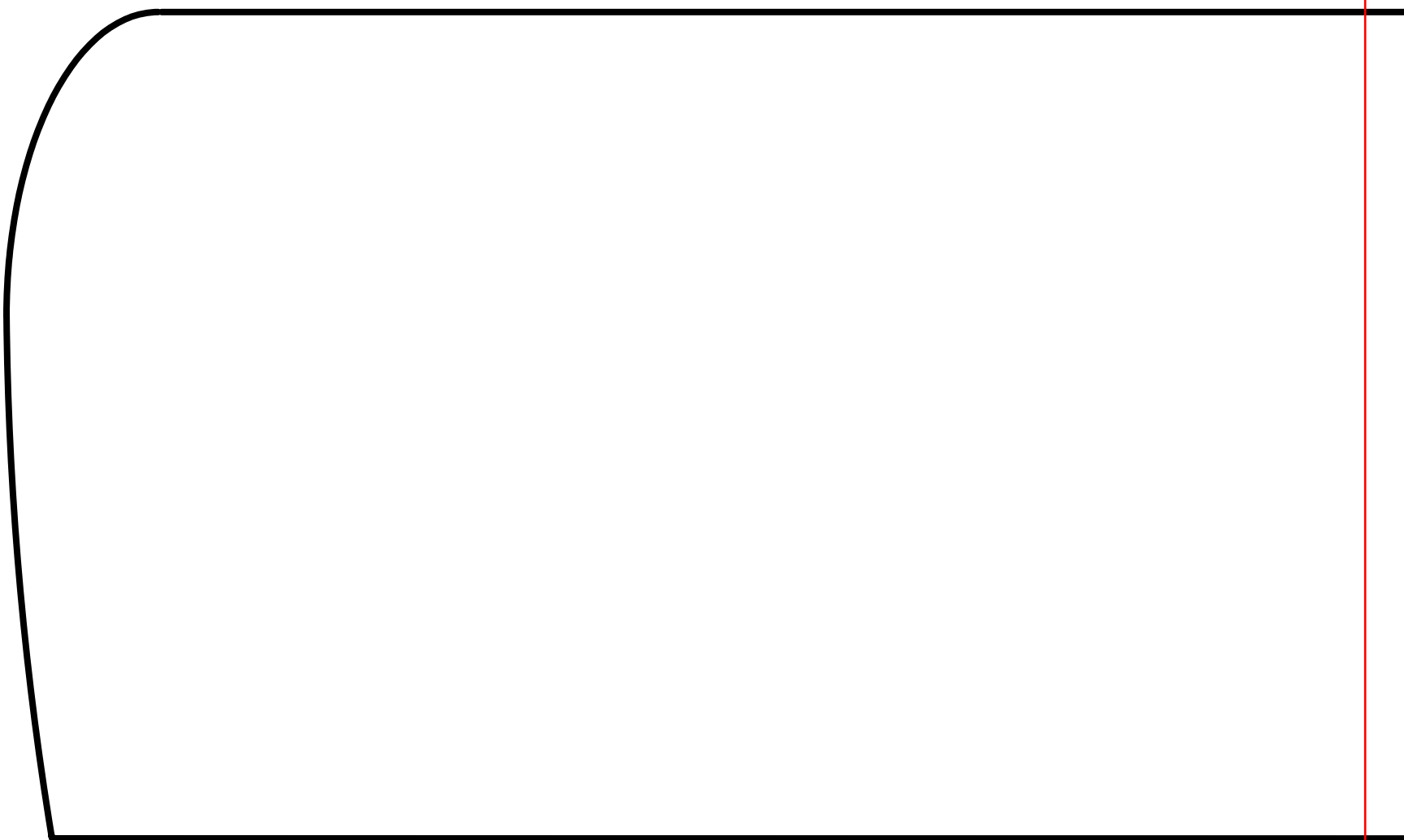
Front Motor Mount

Peel both layers of paper off the foamboard, and glue to the front of the plane fuse. Trim off excess.

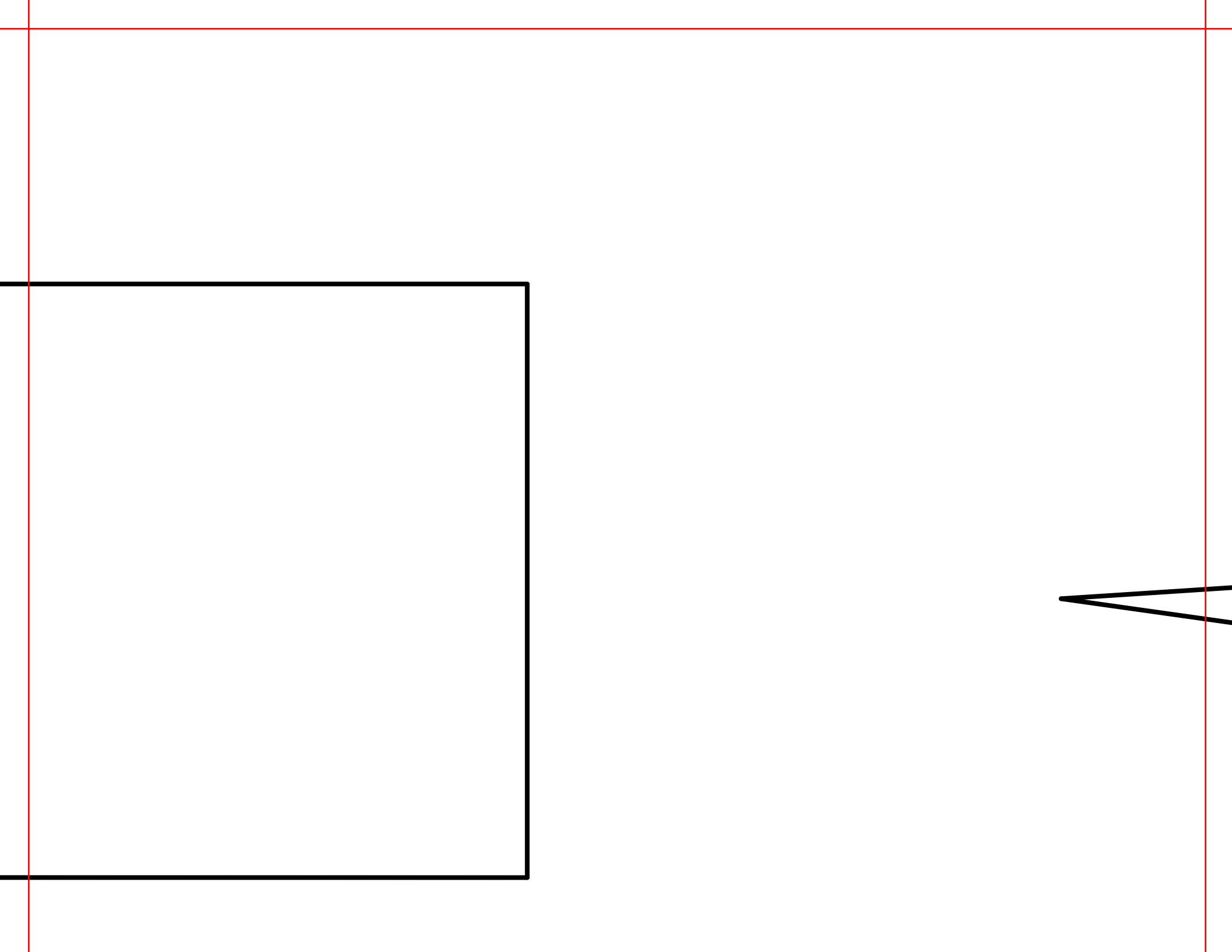
Mount 1/8" plywood on front with hot glue for mounting the motor to. Blind Nuts are very handy. We use 4-40 size screws.

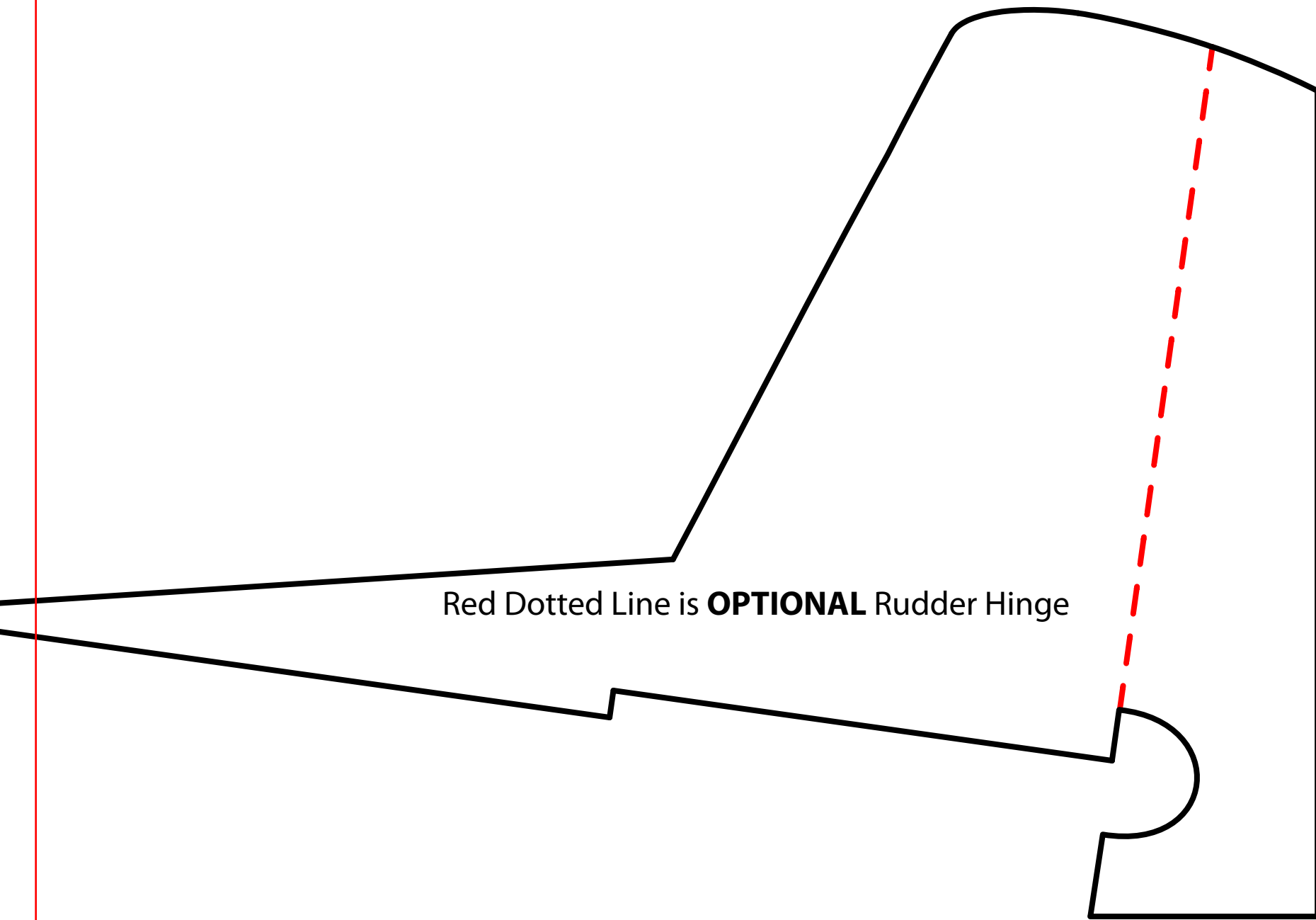
Round Circle is Aprox Location of motor.





Middle KFm x2





Red Dotted Line is **OPTIONAL** Rudder Hinge