

# Rc-Help

**Your Rc Information Source!**

12.7cm 5in.

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

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>

Motor: 60g 1000kv 3s (I use Exceed Rocket Motors)

ESC: Exceed 30a (Could go 40a to be safe)

Battery: 2200mah 3s 30c

Prop: 10x6 - 11x5.5

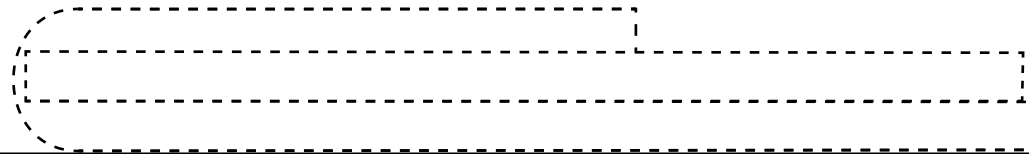
Servos: T-Pro 9g Blue

Control Rod: Dubro .047"

Control Horn: Dubro Small

12.7cm 5in.

# RC Jet Trainer



- Backup the skewer holes with another sheet of foam

Red Dotted line is  
Solid Blue Line is  
Solid Black Line is

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

X2



foamboard



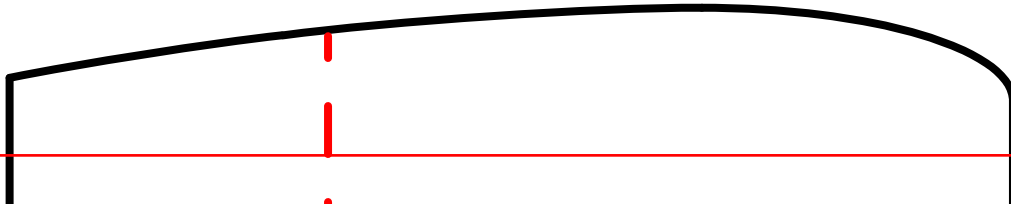
d line is a hinge  
Line is Carbon Spar  
k Line is cut line

x2

Apr  
Ser



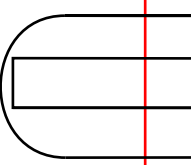
Aprox. Rudder & Elevator  
Servo Location. One on  
Each Side





Cut and remove paper from foamboard on ONE SIDE in dashed area. Lay center kfm on top of

When building this wing for stability, you will want about  $7^\circ$  of dihedral. Make sure you cut the  $3.5^\circ$  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

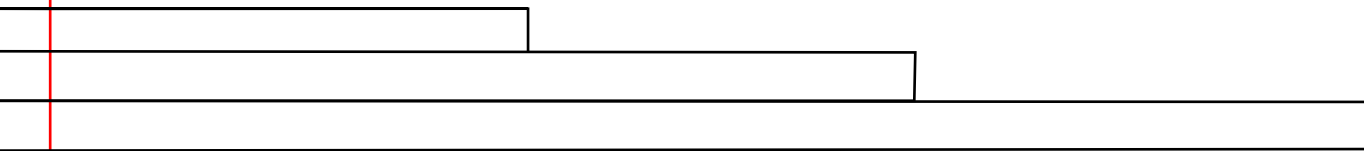
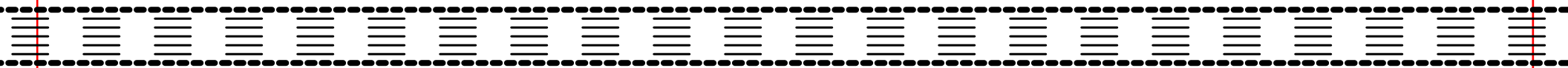


This is the side  
top and bottom

M

# Top Kfm x2

top of Main Wing and fold this piece over the center piece. The bare foam where you removed the paper should be a



is the side profile of the Kfm3 wing. As you can see, the center section will be folded between the top and bottom pieces giving you a smooth leading edge without cutting. Leave the 90\* angle on the trailing edge for proper lift.

**An easy way to set your dihedral is to place the wing on its side under one side of the table. This way the wing is flat on the table. This will set the dihedral to about 2.5". Remember, half the wing should be on the table half with the tip sitting on the edge.**

# Main Wing x2

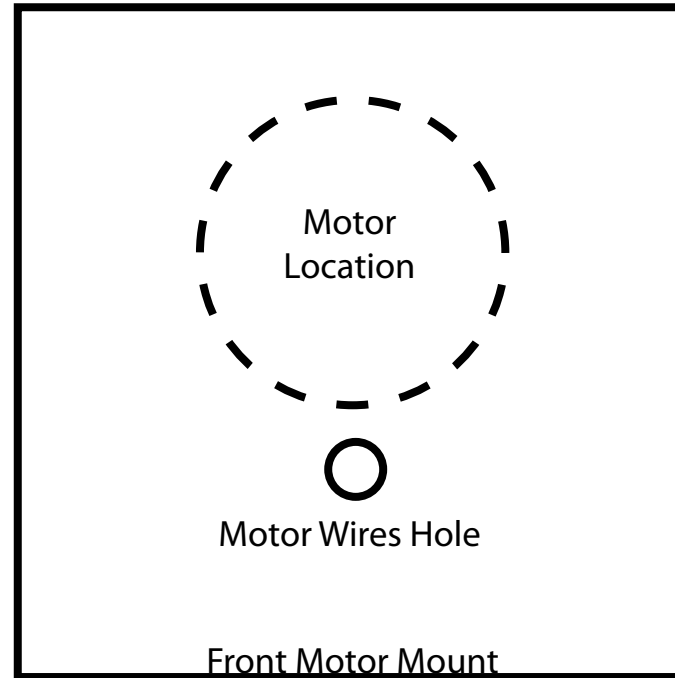
Aprox location of Aileron Servo. Cut a sheet of foam, cut all the way across the top and bottom. This foam will be glued to the center section.

d be against the center airfoil.



**Trihedral is to put a soda can  
of the wing while the other  
this will raise the wing tip up  
half the wing flat, the other  
ing on the soda can.**

on Servo. Mount in botton  
ne way through. Servo will  
center sheet of foam.



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.

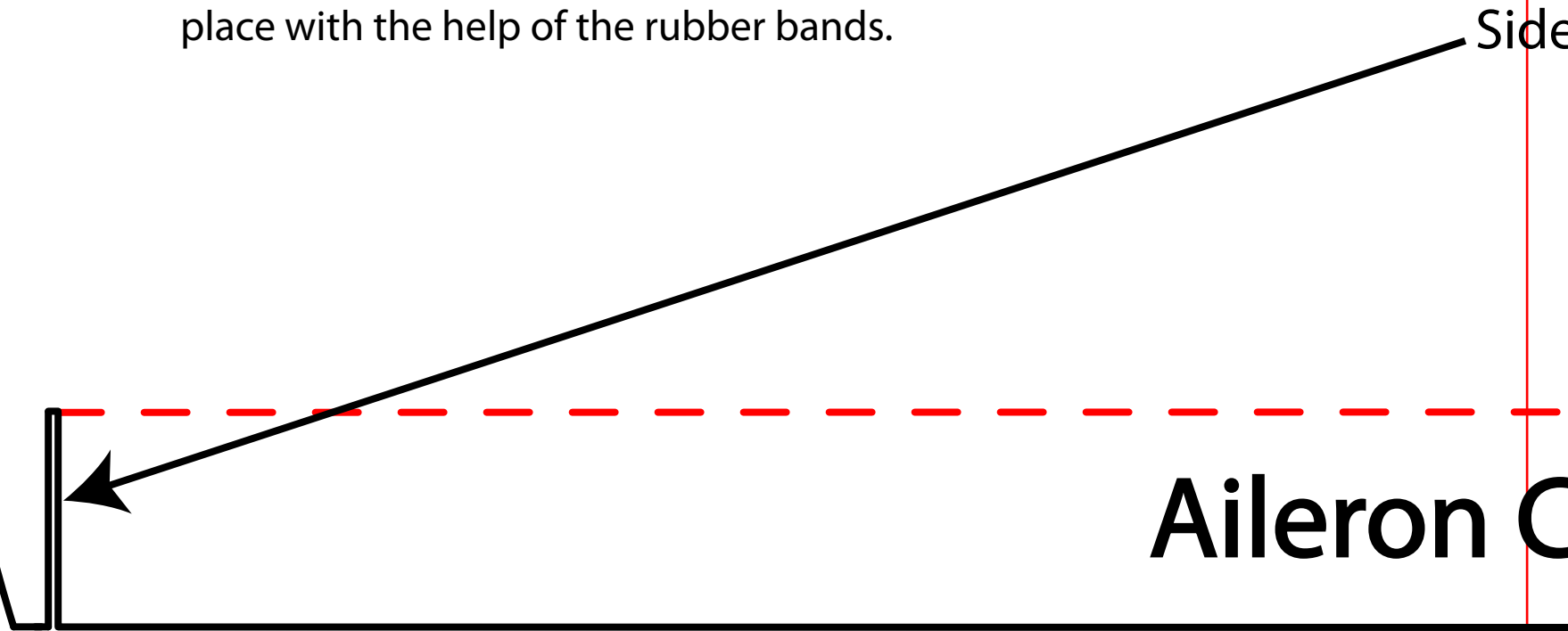
Red Dotted Line is a r

Solid Blue Line is a Carbon Spar if needed to support the elevator. Th





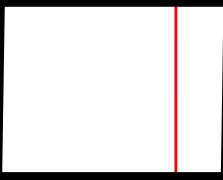
center of the wing. The cutout part of the fuse should be the width of the top fuse piece, but a little shorter than the chord of the wing. This will hold the wing in place with the help of the rubber bands.



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

# Main Wing x2

sheet of foam, cut all the way  
be glued to the center s



Sides of Ailerons should have 1/16" gap

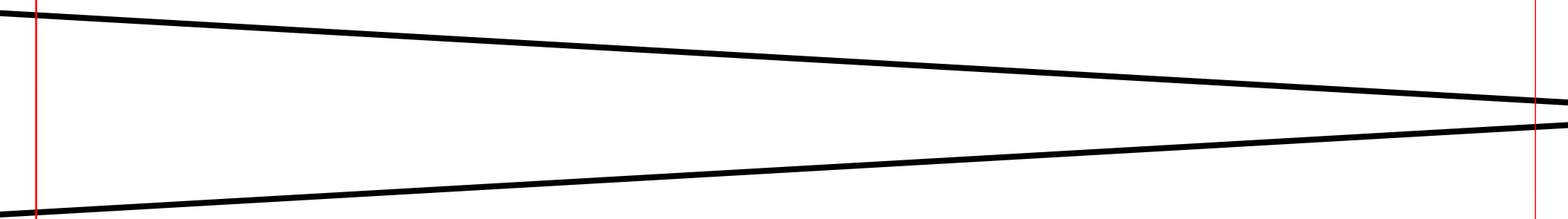
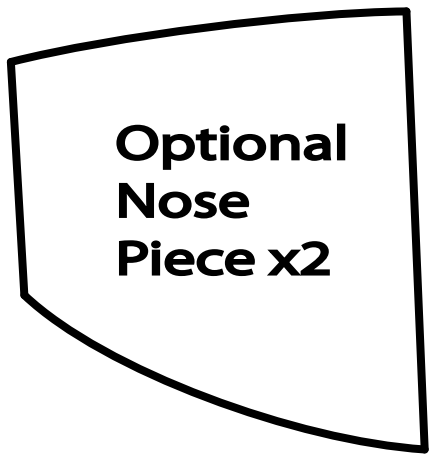
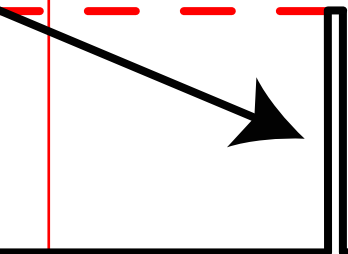
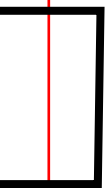
Red Dotted Line is the Aileron Hinge

Can be split for flaps

glue the top  
re glued on,  
ail, and work  
erial.

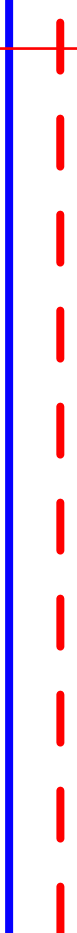
x2

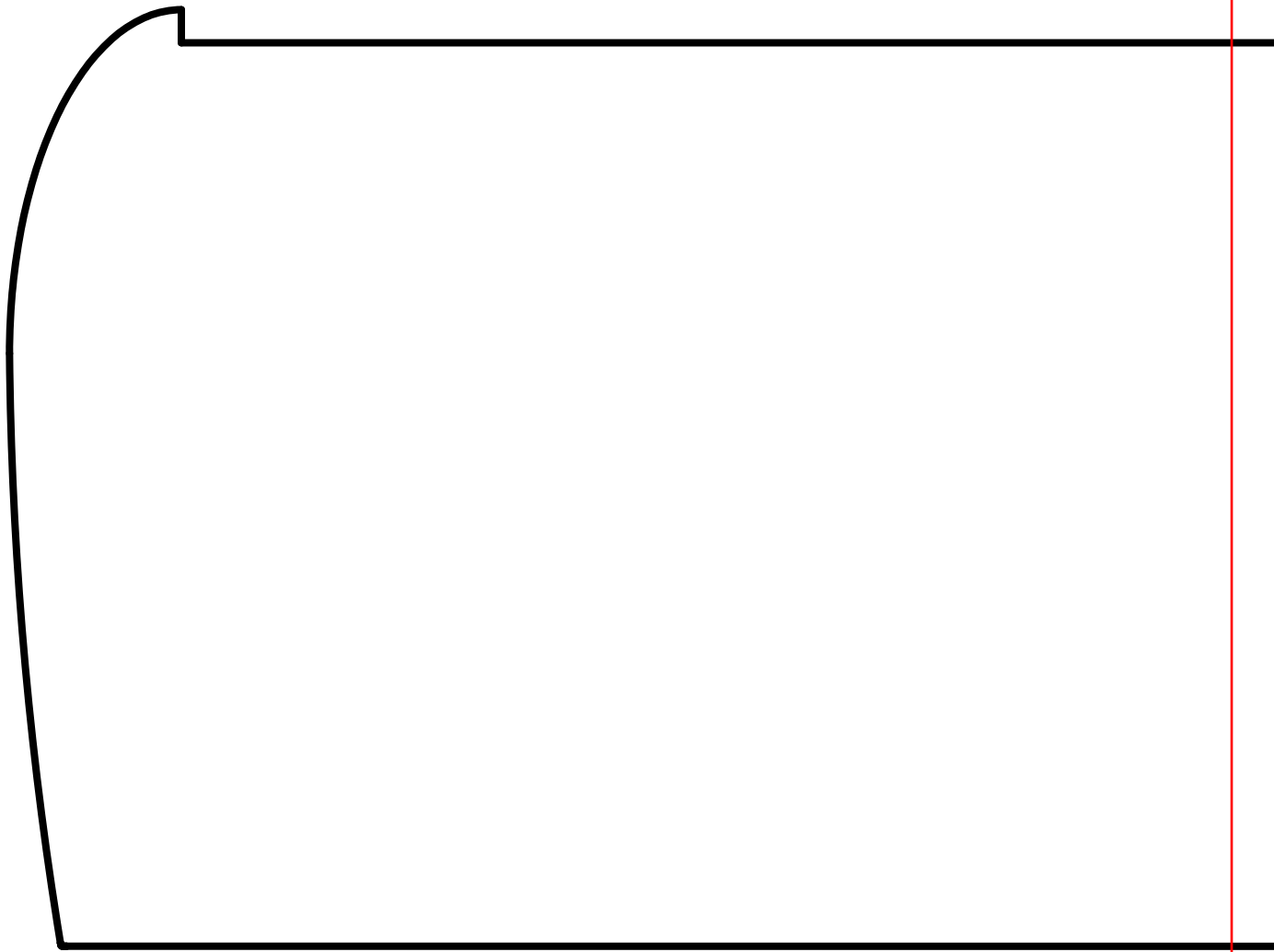
the way through. Servo will  
center sheet of foam.



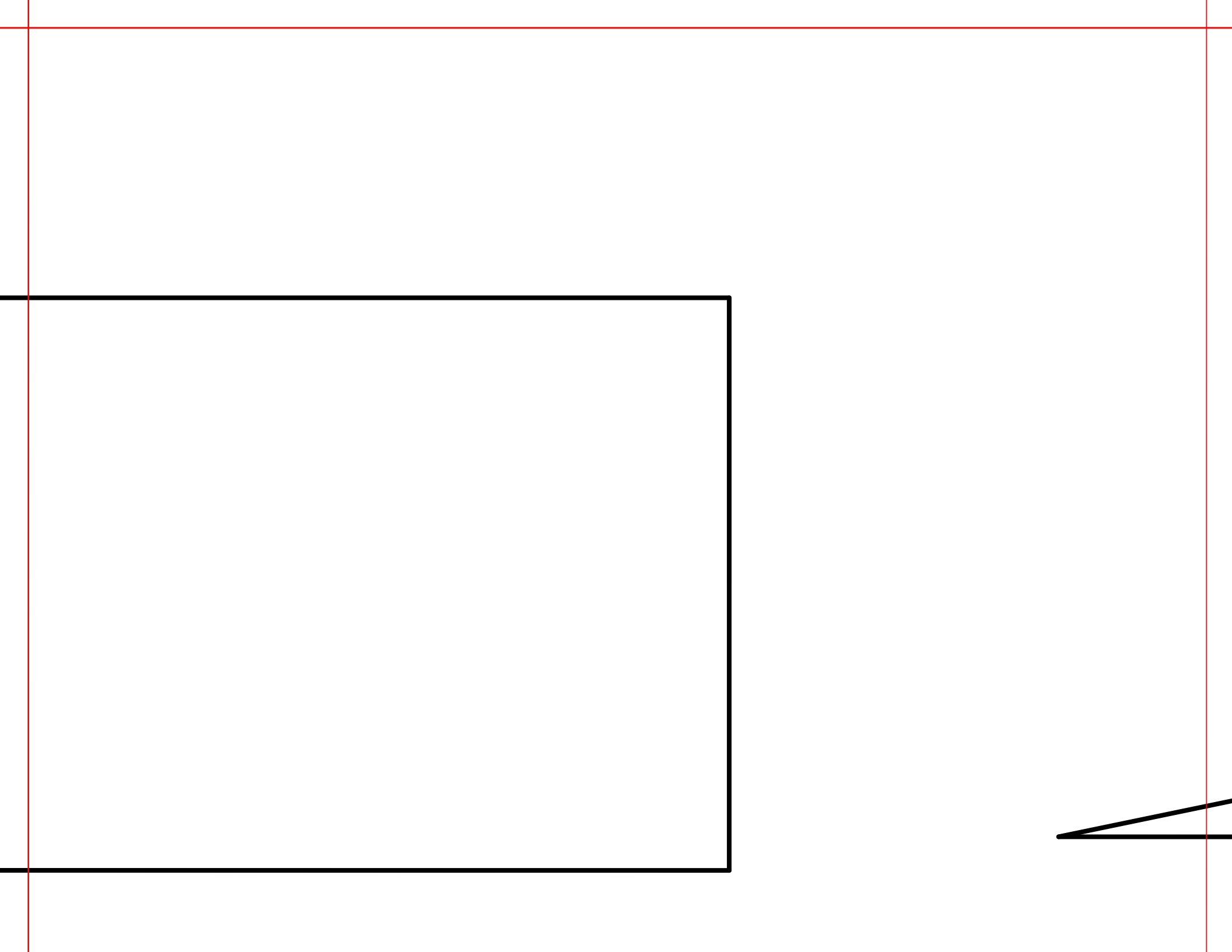
is a hinge

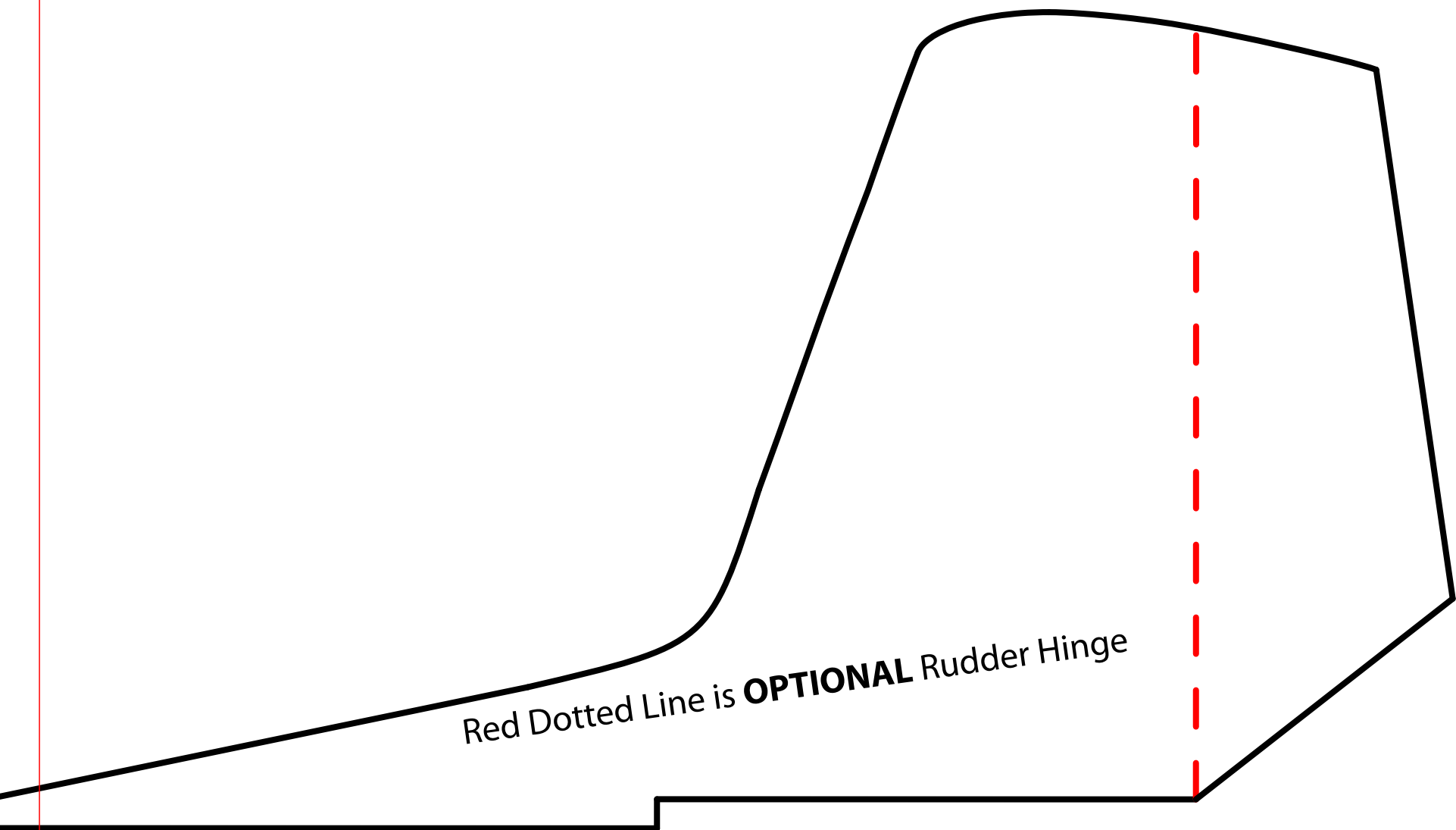
or. This may not be needed with teh new elevator design.





**Middle Kfm x2**





Red Dotted Line is **OPTIONAL** Rudder Hinge