

Groove and glue in
2mm wrapped carbon tube
using medium CA.

Remove Material

FOAMe IIx 3D Park Flyer Designed by

Bottom wing cut from one piece of 6mm

Cut 6mm slots
Dry fit and trim

Remove Material

d by Steven Gibson

of 6mm Depron foam

slots for strut tabs.
d trim excise.

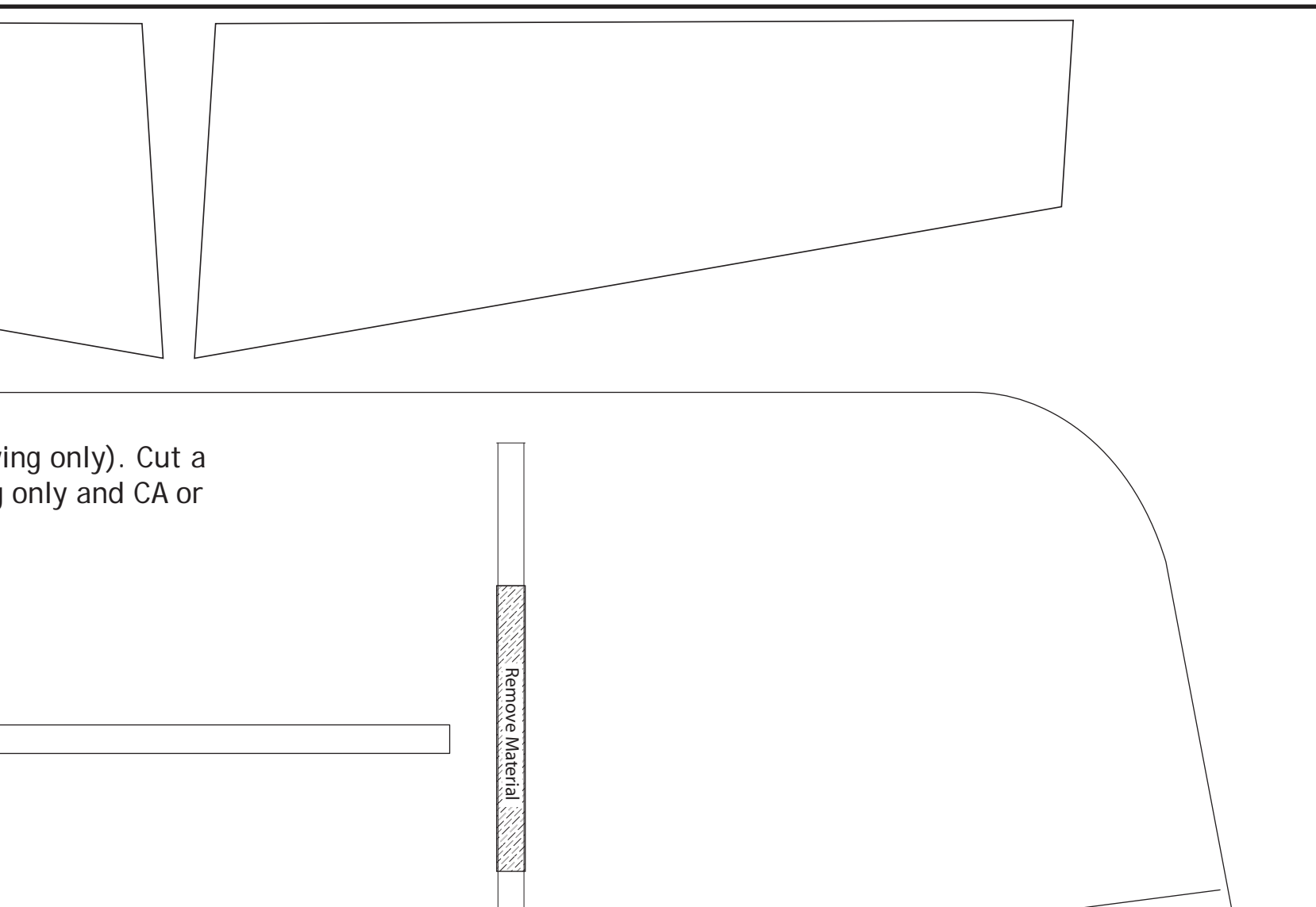
Strengthened with 4mm carbon fiber tube (bottom wing only)
channel (per plan) on the bottom of the bottom wing only
use RC Z 56.

Aileron servos.

Use Dubro Mini

5.4V 200mA

Remove Material



ing only). Cut a
only and CA or

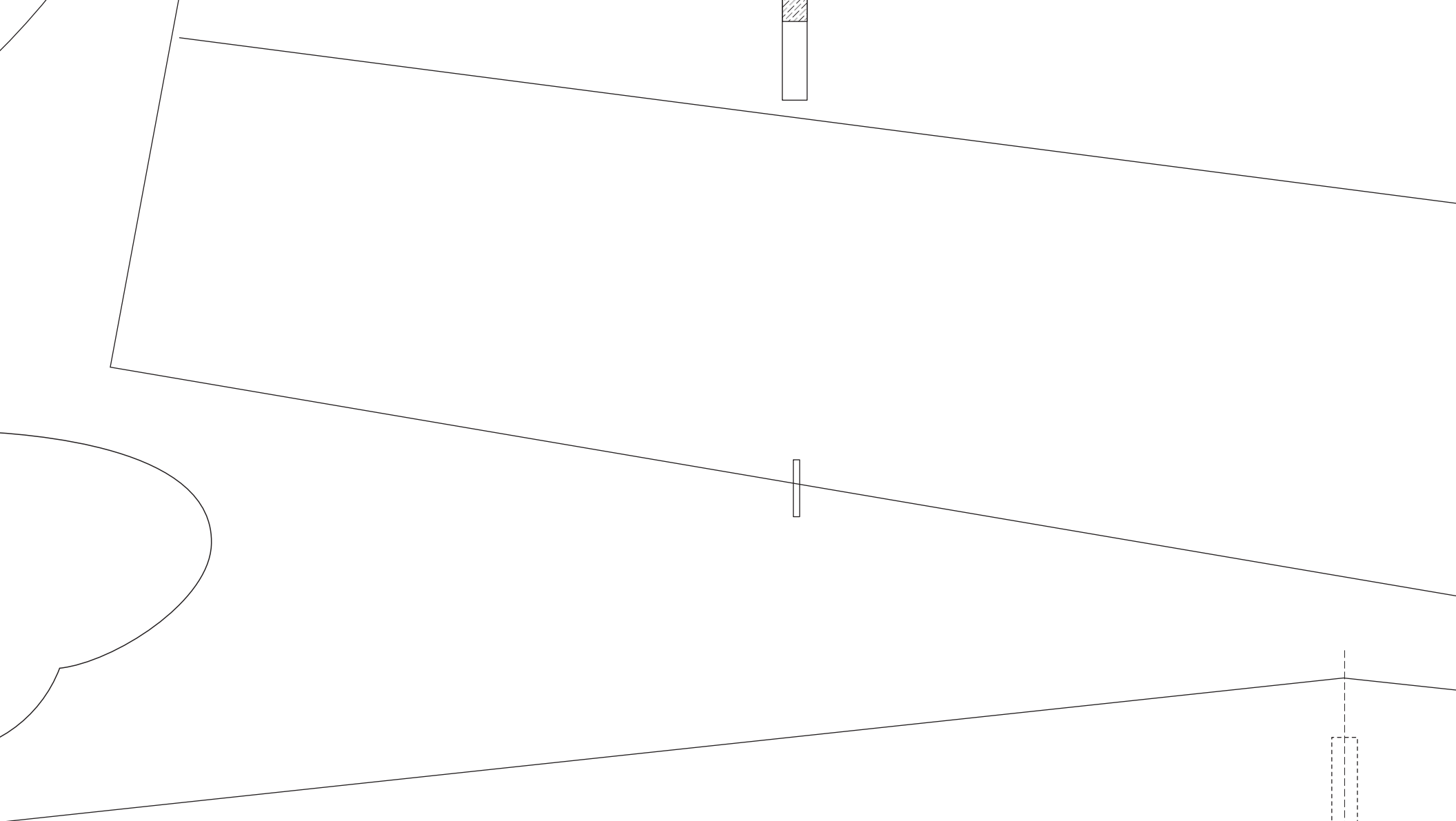
Rear



Front

Material

Remove Material

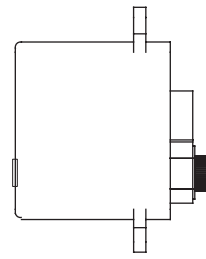
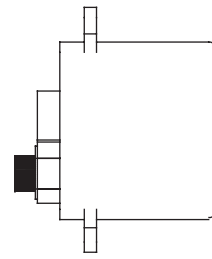


TOP wing cut from one piece of 6mm Depron foam

Cut 6mm slots for strut tabs.
Dry fit and trim excise.

Remove Material

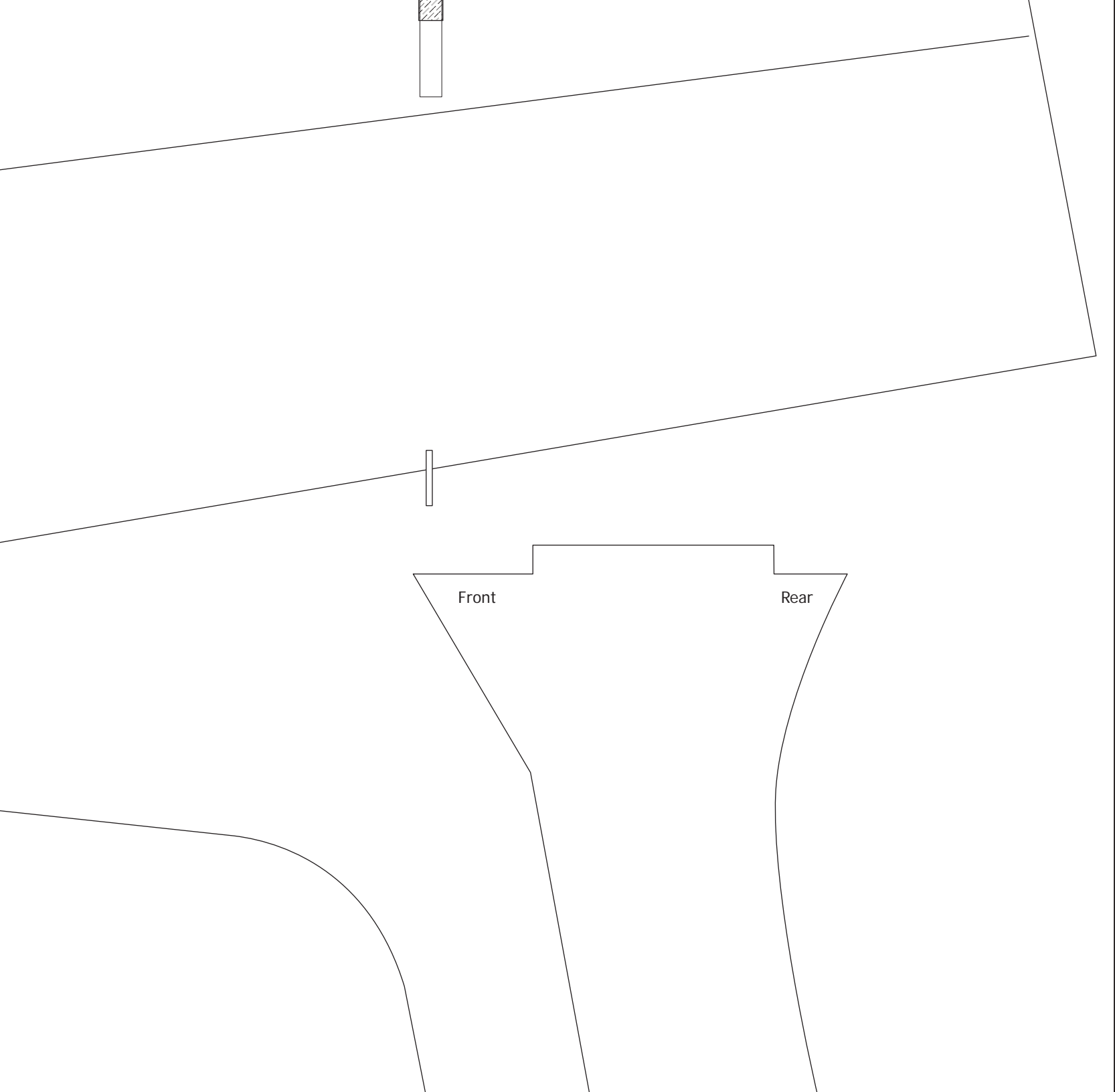
Aileron servos.
Use Dubro Mini
E/Z Connectors
for easy adjustments.
Mount using 3M
Double Coated
Industrial Foam Tape

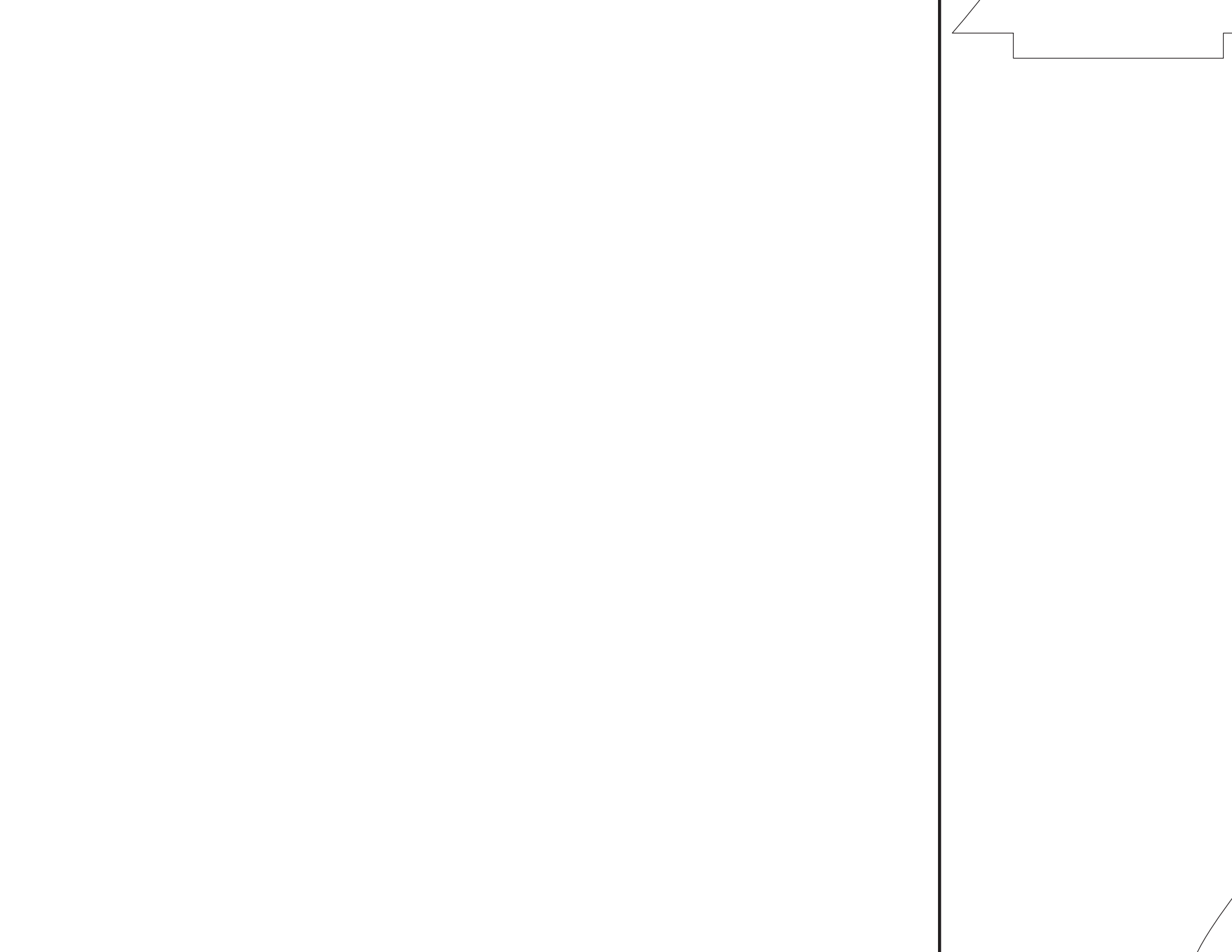


Bottom Wing

FOAM JIG









Remove Material

Aileron to aileron
slot for horn dr
in place. See a

Cut 6mm slots for strut tabs.
Dry fit and trim excise.

Remove Material

Material

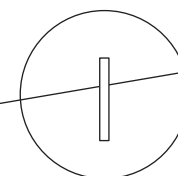
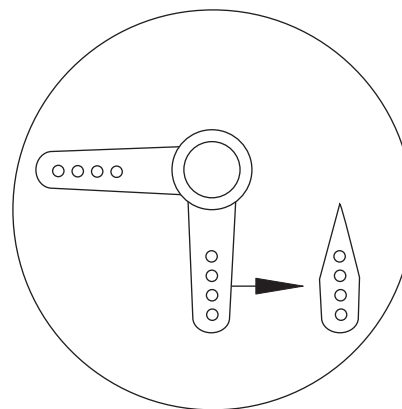
aileron control horns. Cut a
n dry fit, remove and CA back
ee aileron detail diagram.

Top Wing

FOAMeII^x3D

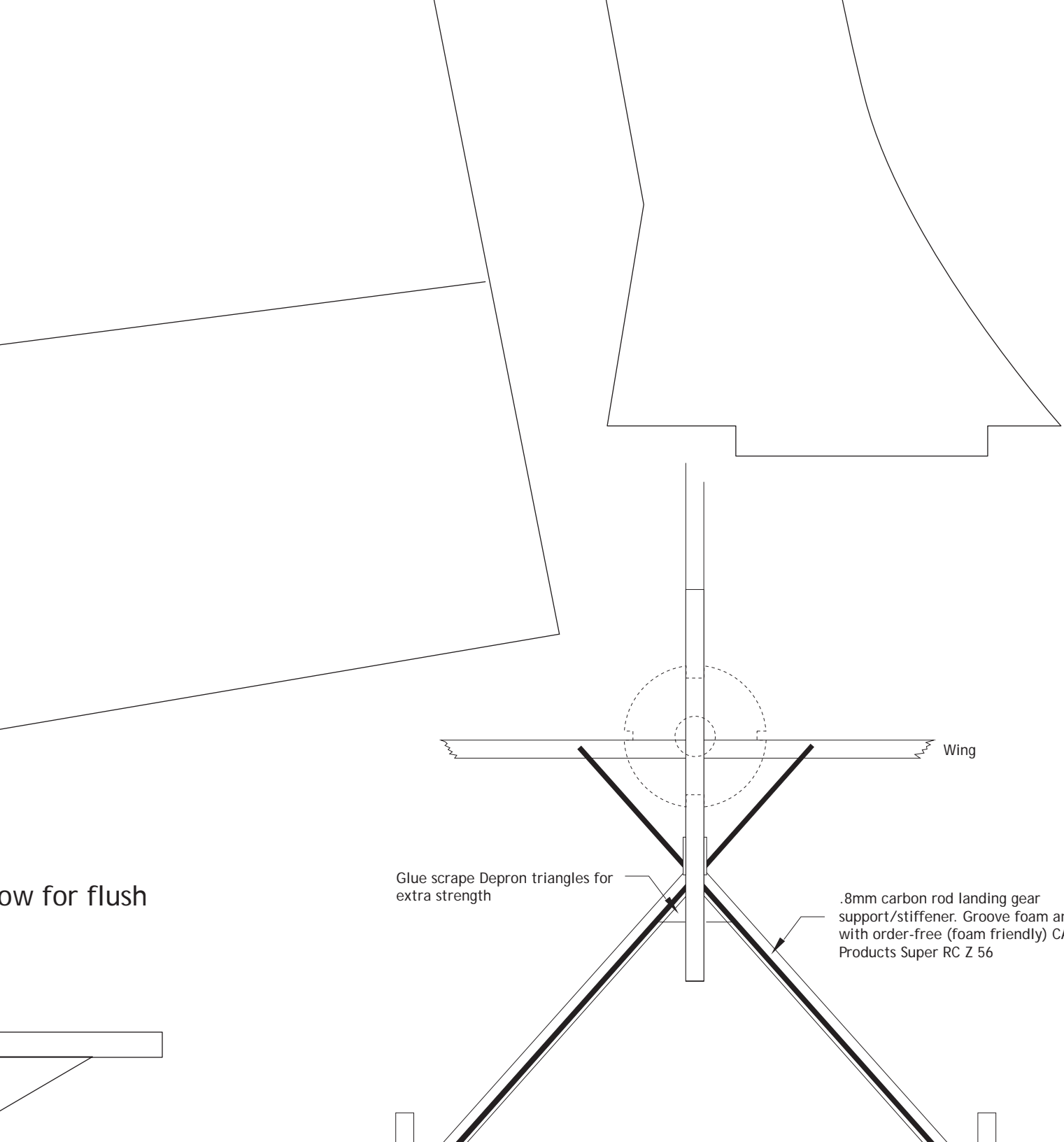
Remove Material

Tip: Fabricate Aileron to Aileron control horns out of Dubro Micro 90 Bellcranks. Use medium CA to secure.



Top/bottom tabs are extended to allow for trimming during dry fitting of wing.





ow for flush

Glue scrape Depron triangles for extra strength

.8mm carbon rod landing gear support/stiffener. Groove foam and glue with order-free (foam friendly) CA or JZ Products Super RC Z 56

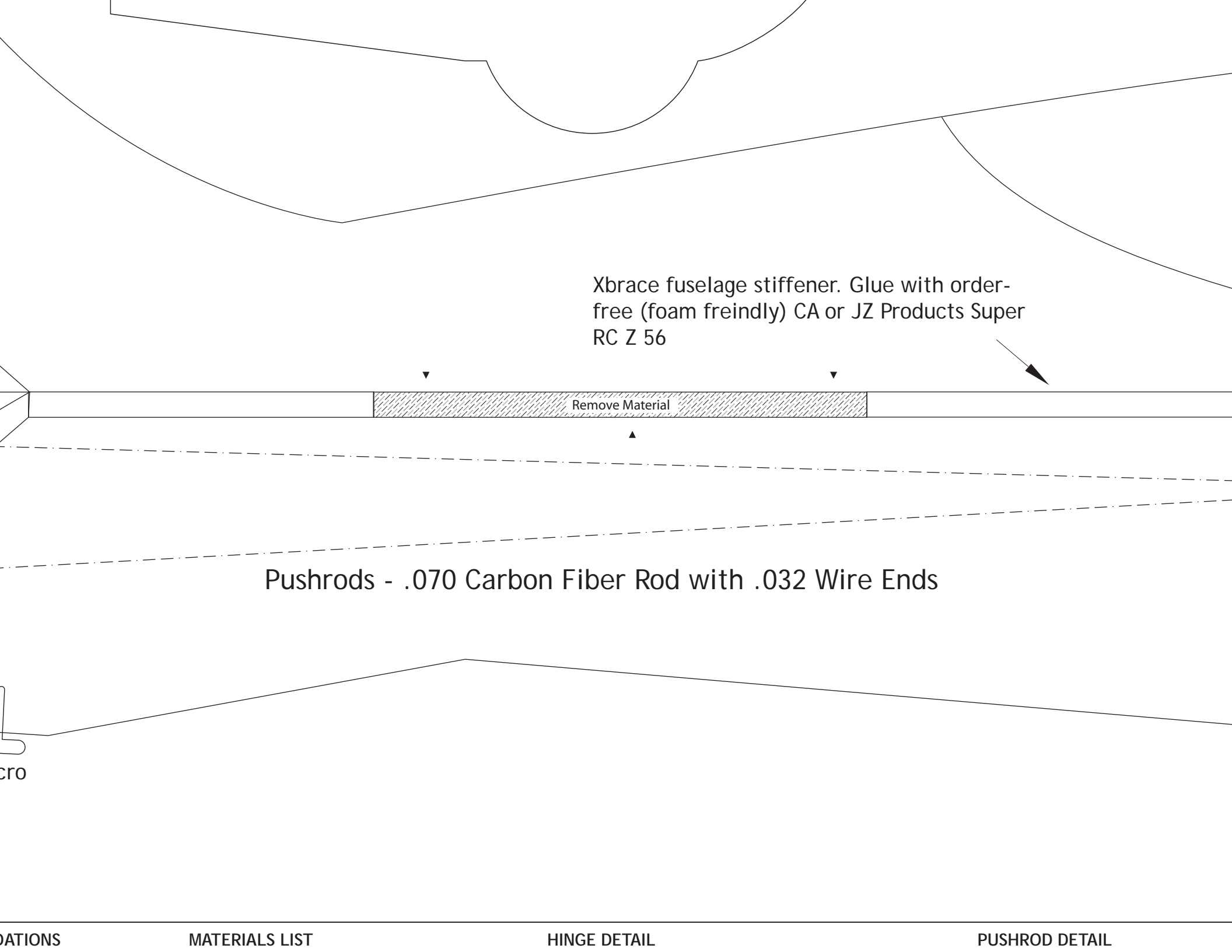
Denotes cut-lines ◀

Remove Material

Remove Material

Rudder cut line

Dubro Micro
Tail Skid

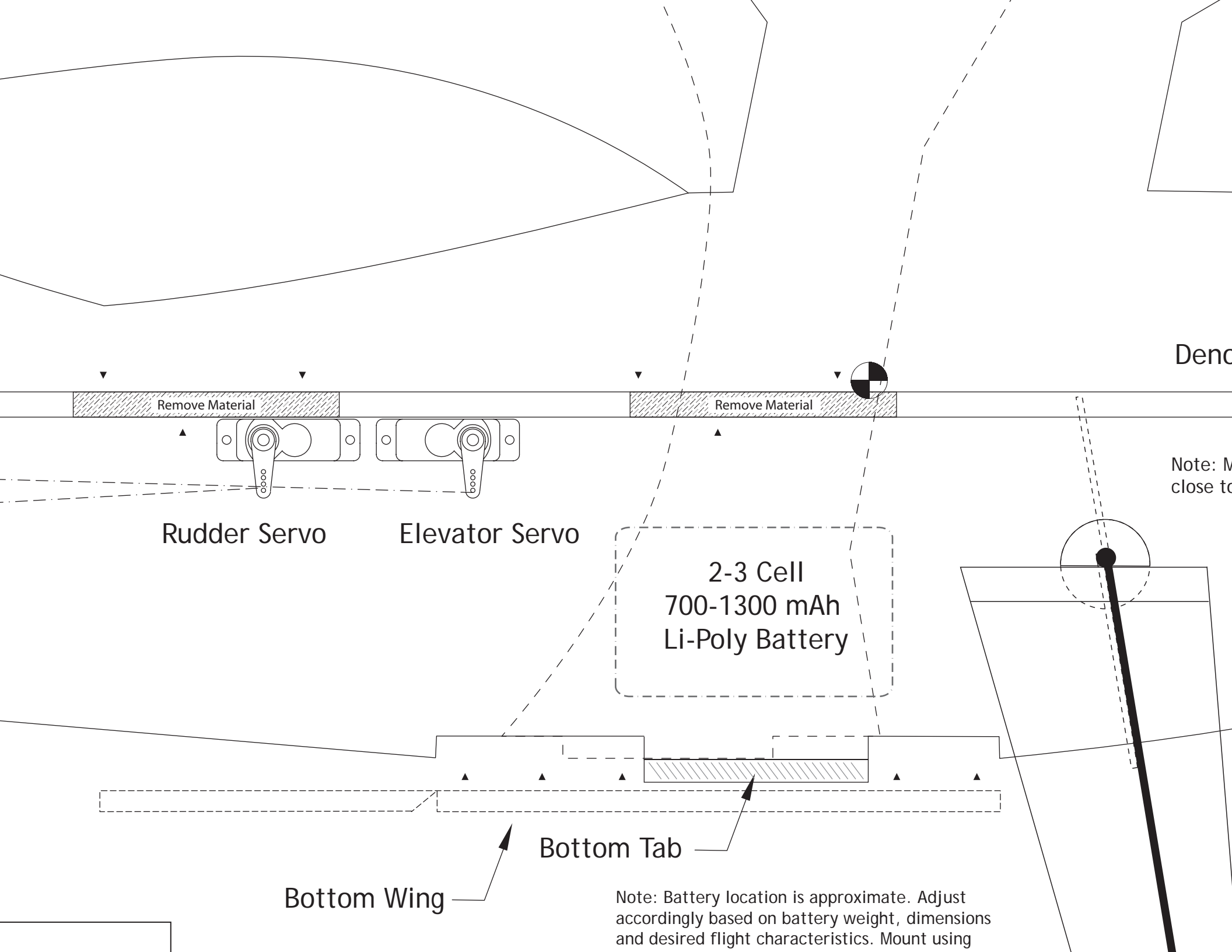


Xbrace fuselage stiffener. Glue with order-free (foam freindly) CA or JZ Products Super RC Z 56

Remove Material

Pushrods - .070 Carbon Fiber Rod with .032 Wire Ends

cro



NOTE: landing gear shown is not functional but is recommended for improved flight performance

denotes cut-lines (▲)

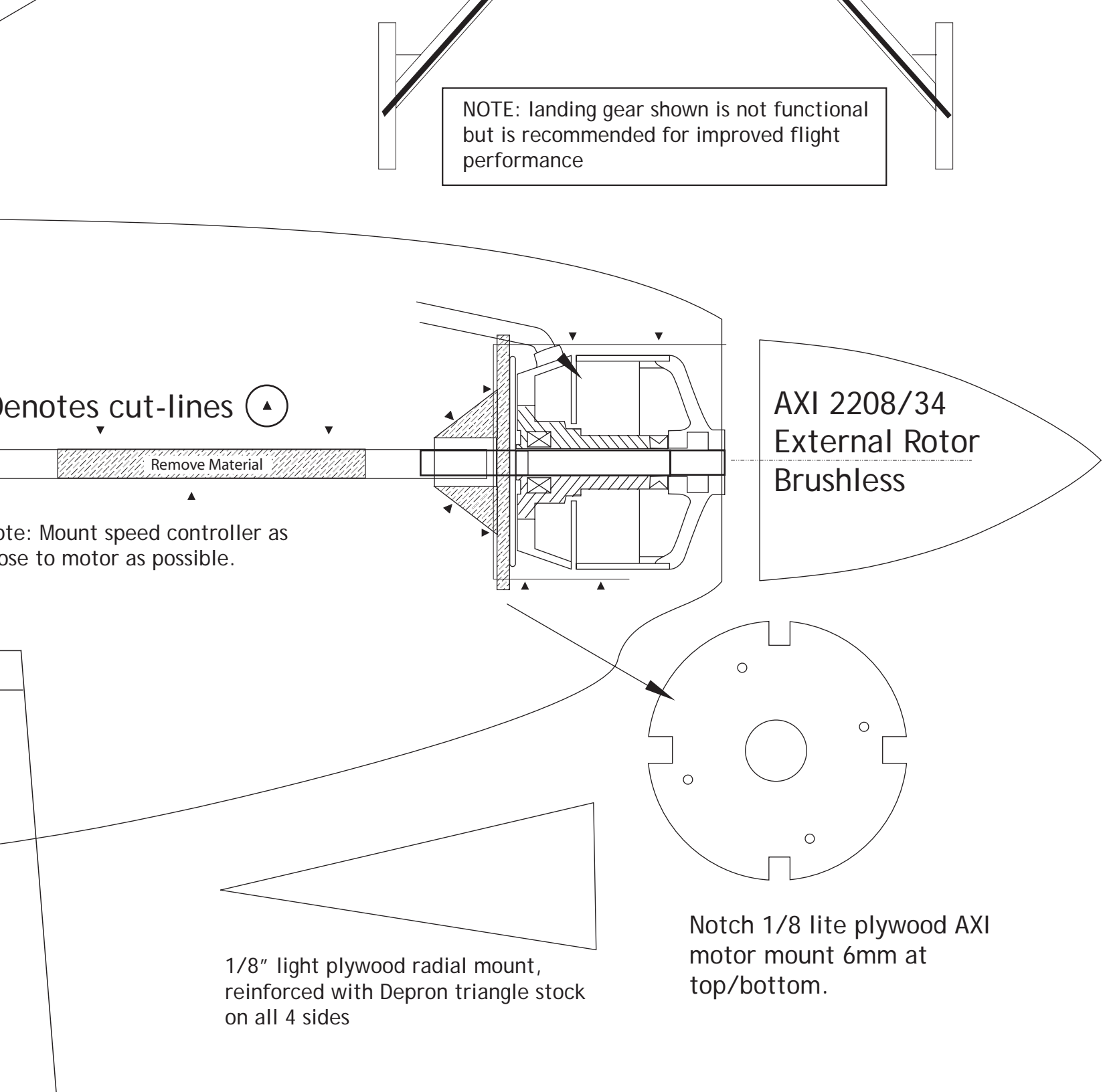
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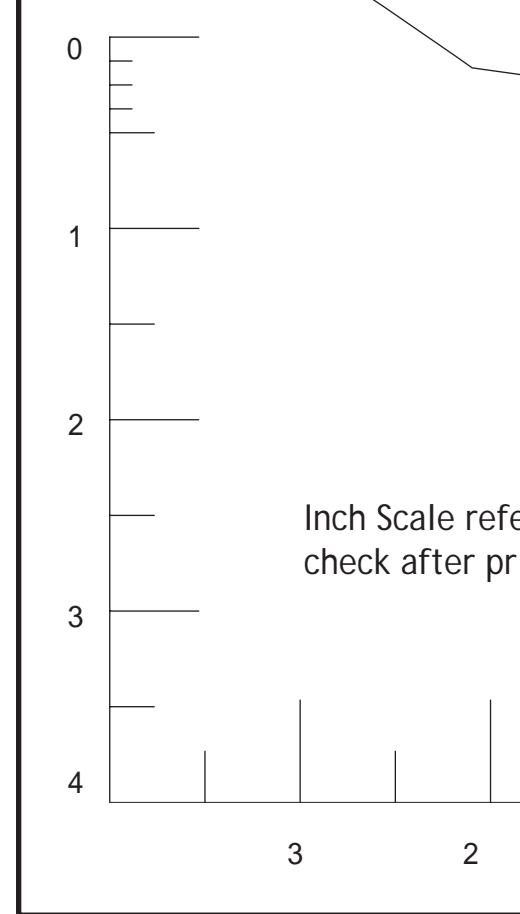
Note: Mount speed controller as close to motor as possible.

AXI 2208/34
External Rotor
Brushless

1/8" light plywood radial mount,
reinforced with Depron triangle stock
on all 4 sides

Notch 1/8 lite plywood AXI
motor mount 6mm at
top/bottom.





e reference,
er printing.



FOAMe IIx 3 D PARK FLYER SPECS

FLIGHT SYSTEM RECOMMENDATIONS

Wing Span..... 30.5"
Length.....33"
Weight.....14-15oz
Power..... AXI 2212/34
Prop..... GWS 12x6 Slow flyer
Ch..... 5 (4 servos + speed controller)
Battery..... 3 Cell-700 to 1320mAh-Li-Poly



Rx and Servos
* GWS R-6NII 5ch receiver or equivalent
* 4 Waypoint W-084 Micro Servos
or Hitec HS 55
Brushless Motor
* AXI 2212/34 outrunner (Max 3D performance)
Speed Controller
* Phoenix 25amp speed controller
Battery
* 3 Cell 700-1350mAh-11.1v Li-Poly
Prop(s)
* GWS 12x6 Slow Flyer
* APC 12x3.8 electric slow flyer

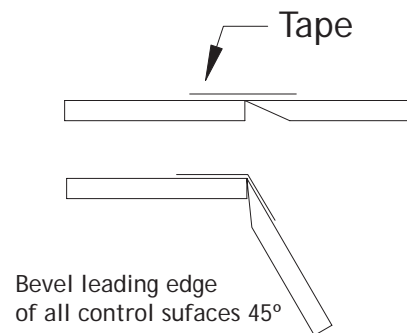
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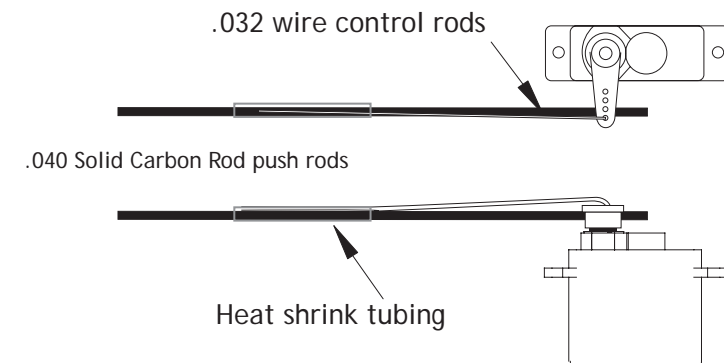
nce)

- * Depron 6mm (www.depronusa.com)
- * 30" 4mm & 2mm wrapped carbon fiber tube
- * .070 Solid Carbon Rod (push rods + stab support)
- * .080 Solid Carbon Rod (landing gear support)
- * Medium or Thick foam friendly CA
- * Foam friendly CA accelerator
- * JZ Products Super RC "Z" 56 glue
- * 1" Self-sticking Hook & Loop (Velcro-Industrial Strength) tape
- * Clear packing tape
- * 4-E-flite Micro Control Horns No. EFLA200
- OR... 4 Du-Bro Micro Control Horns No. 848
- * 4 Du-Bro Micro E/Z Links No. 849
- * .032 wire control arms
- * Du-Bro RC Electric Flyer Hinge Tape (3M Blenderm)
- * Zagi tape for trim scheme (optional)
- * Straight edge razor-blades
- * No. 11 Xacto knife
- * Metal yardstick
- * 3M Photomount Spray Adhesive
(for plan transfer to Depron)

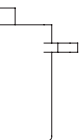
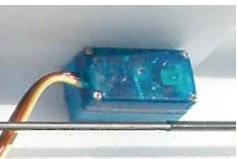
Best results are achieved by using 1" wide Du-Bro RC Electric Flyer Hinge Tape (3M Blenderm) for all hinges. Clean all parts with rubbing alcohol before applying.



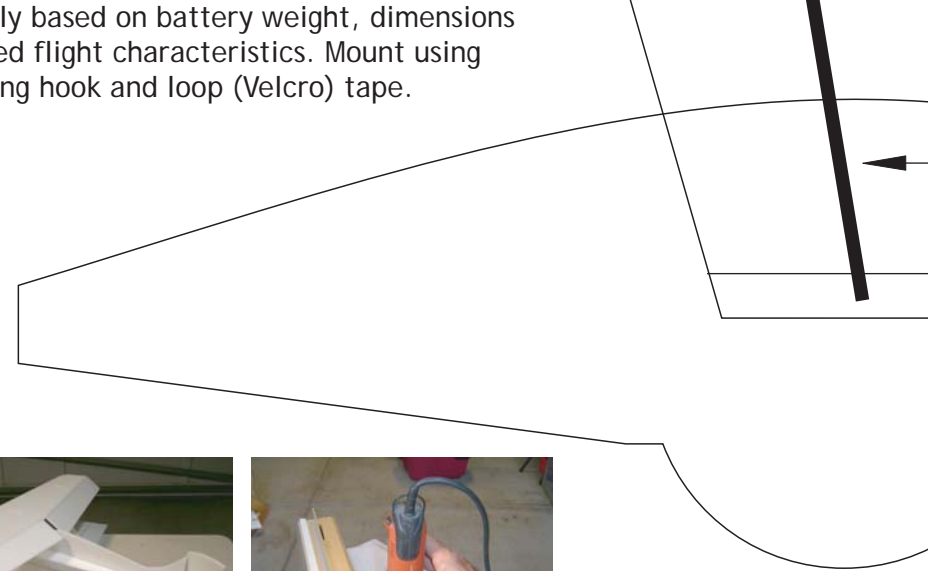
Use on control servo arms.
CA 3" of wire to 2mm carbon fiber rod, secure with 1" of heat shrinking tubing. Carbon rod fits opposite side of control arms, wire connects and holds rod in place



All airframe parts and control surfaces are cut from 6mm



accordingly based on battery weight, dimensions and desired flight characteristics. Mount using self-sticking hook and loop (Velcro) tape.



Lighty coat back of plan parts with Spray Adhesive, apply each part to Depron. Carefully cut each out using a strightedge and #11 Xacto.



Carefully cut each out using a strightedge and #11 Xacto.



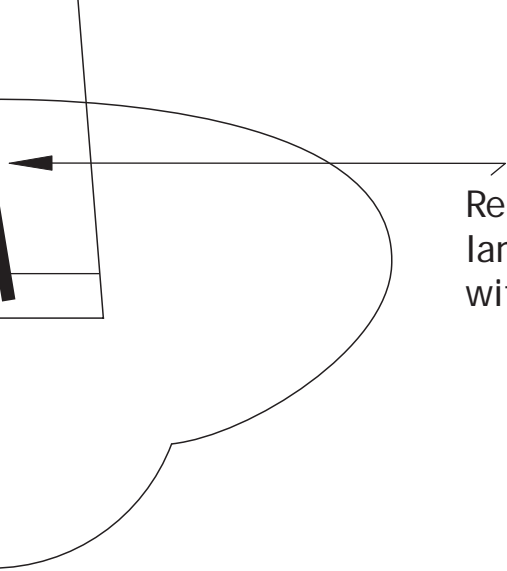
Dry fit assembly--check alignment.



A Rotary Tool Cutting Adapter is perfect for clean, easy to make, grooves for Fiber Carbon rod wing spar. Glue spar in with RC Z 56 or medium/thick CA.

Look for more bulid ti

mm Deporn Foam



Reinforce carbon rod
landing gear crossing
with 1/32 ply

solid tips online at: 3Dbatix.com



Apply trim scheme before final assembly. Zagi tapw works great! It's best to trim each part before assembly.



Assemble using RC Z 56 or medium or thick CA. great for trim.