



Groove and glue  
2mm wrapped  
using medium C

Remove Material

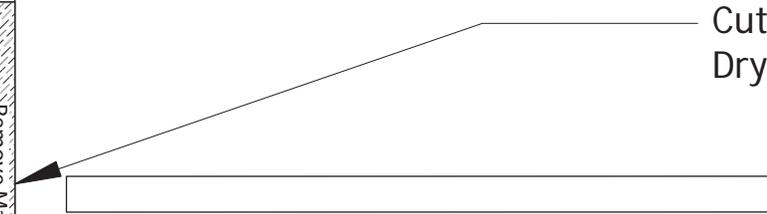
# **FOAMe IIx 3D Park Flyer** Design

ie in  
carbon tube  
CA.

Bottom wing cut from one pi



Cut  
Dry



igned by Steven Gibson

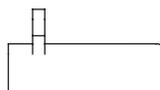
iece of 6mm Depron foam

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

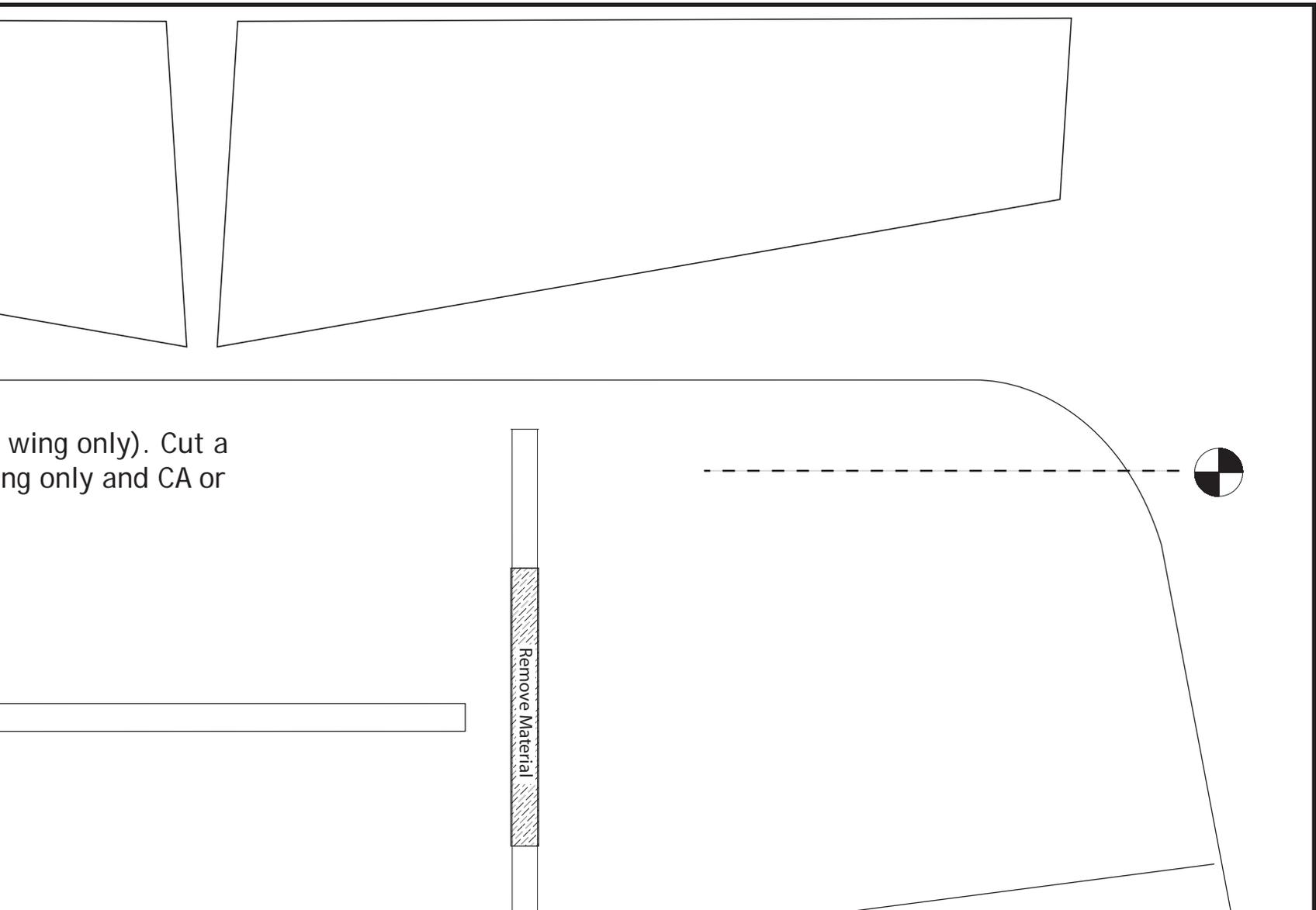
Strengthened with 4mm carbon fiber tube (bottom  
channel (per plan) on the bottom of the bottom wi  
use RC Z 56.

Aileron servos.

Use Dubro Mini  
E/Z Conneters

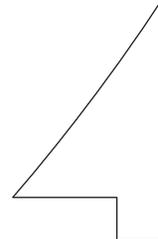


Remove Material



wing only). Cut a  
ng only and CA or

Remove Material

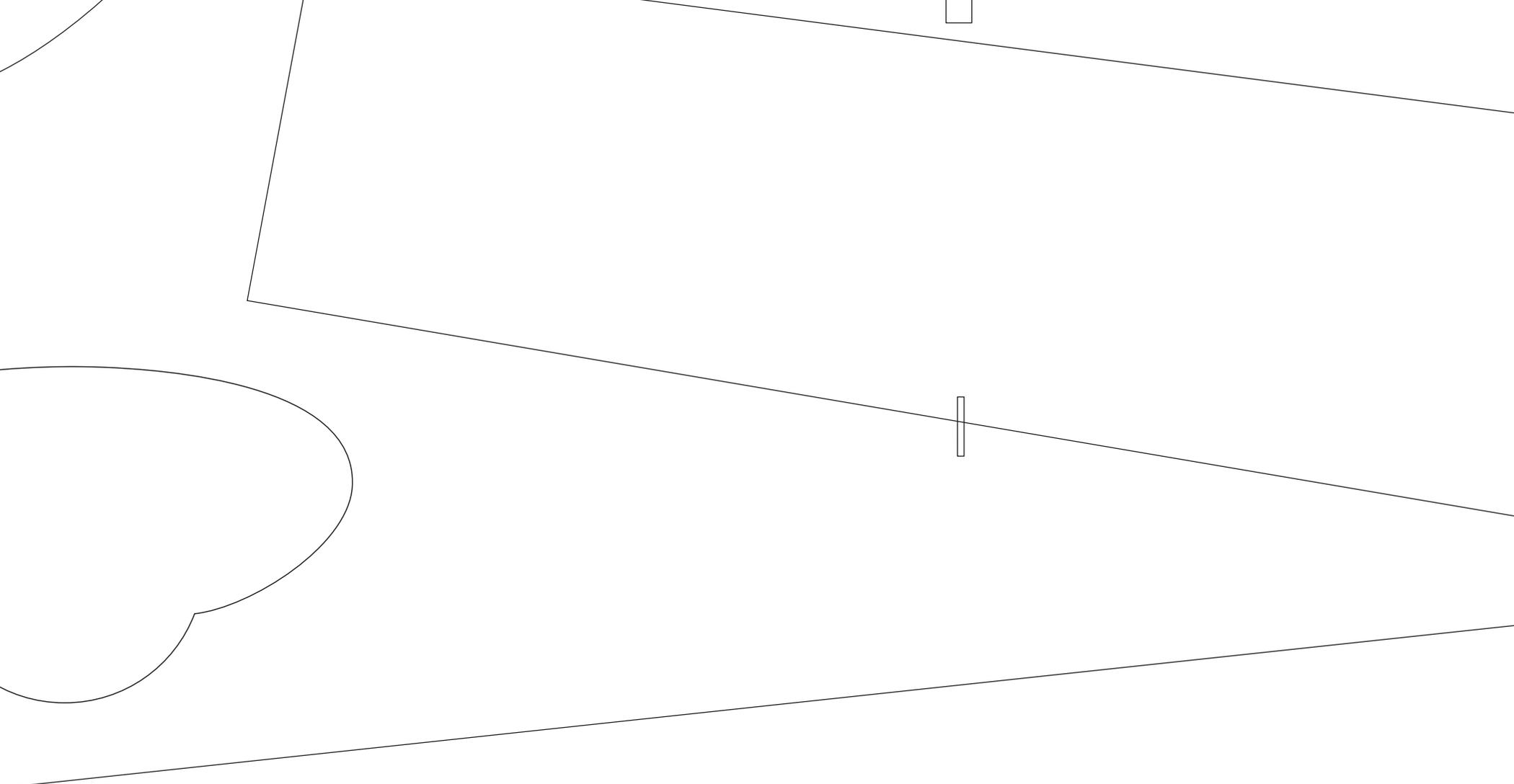




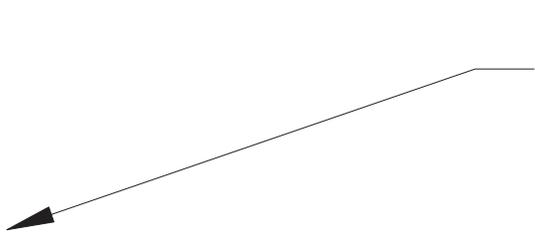
Rear

Front

Remove Material



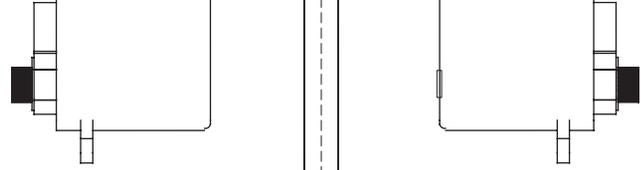
TOP wing cut from one piece of 6mm Depron foam



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



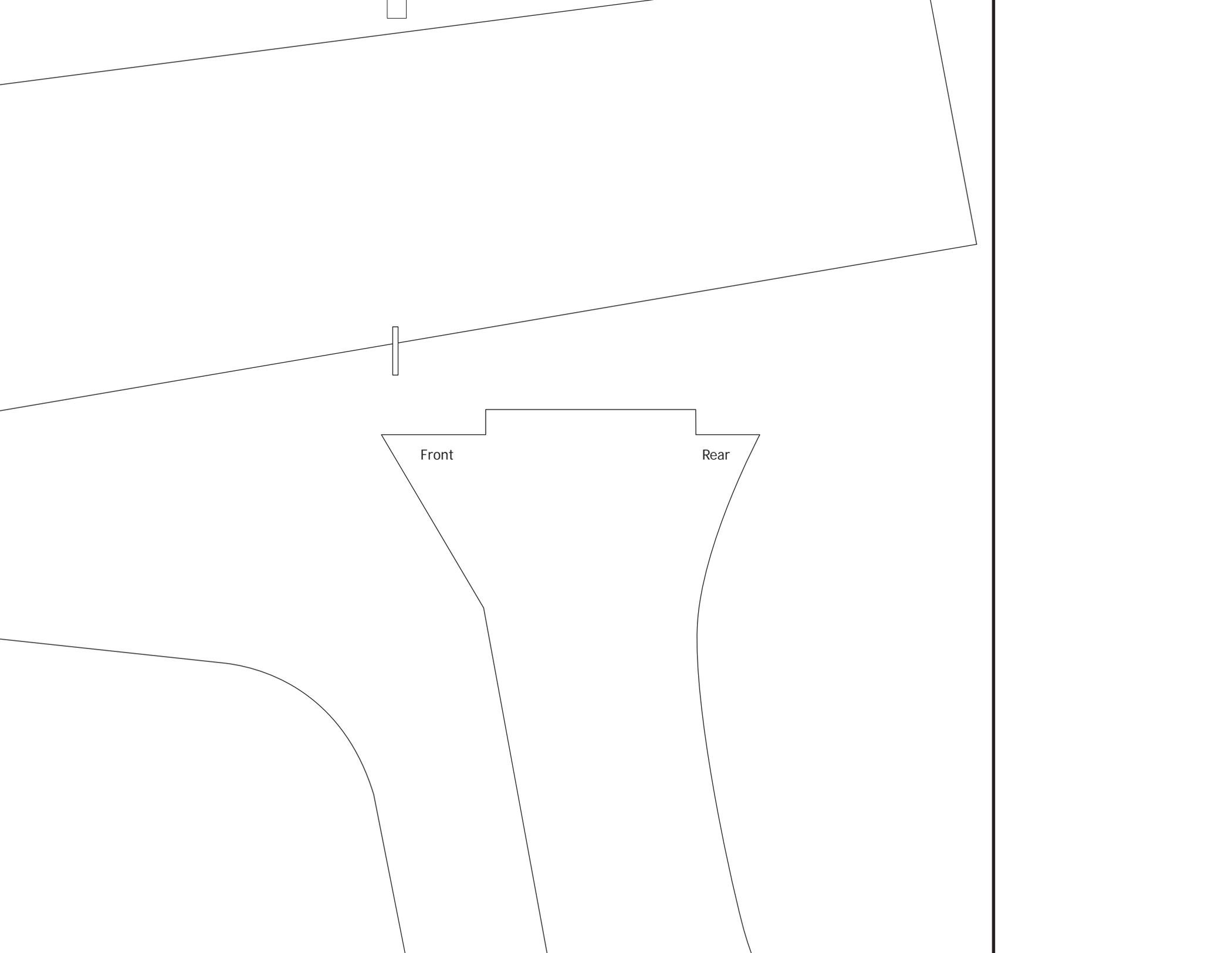
for easy adjustments.  
Mount using 3M  
Double Coated  
Industrial Foam Tape



Bottom Wing



# FOAMe II<sup>x</sup> 3D



Front

Rear



Remove Material

3D  
Batix.com



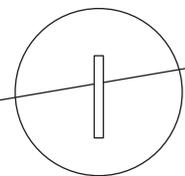
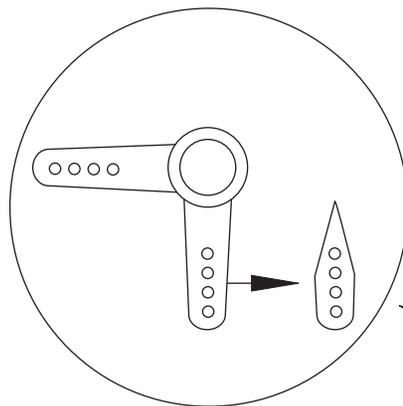
Aileron to aileron control horns. Cut a slot for horn dry fit, remove and CA back in place. See aileron detail diagram.



Top

Material

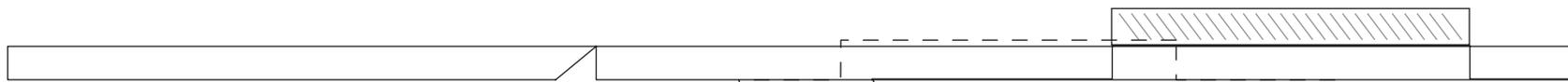
Tip: Fabricate Aileron to Aileron control horns out of Dubro Micro 90 Bellcranks. Use medium CA to secure.

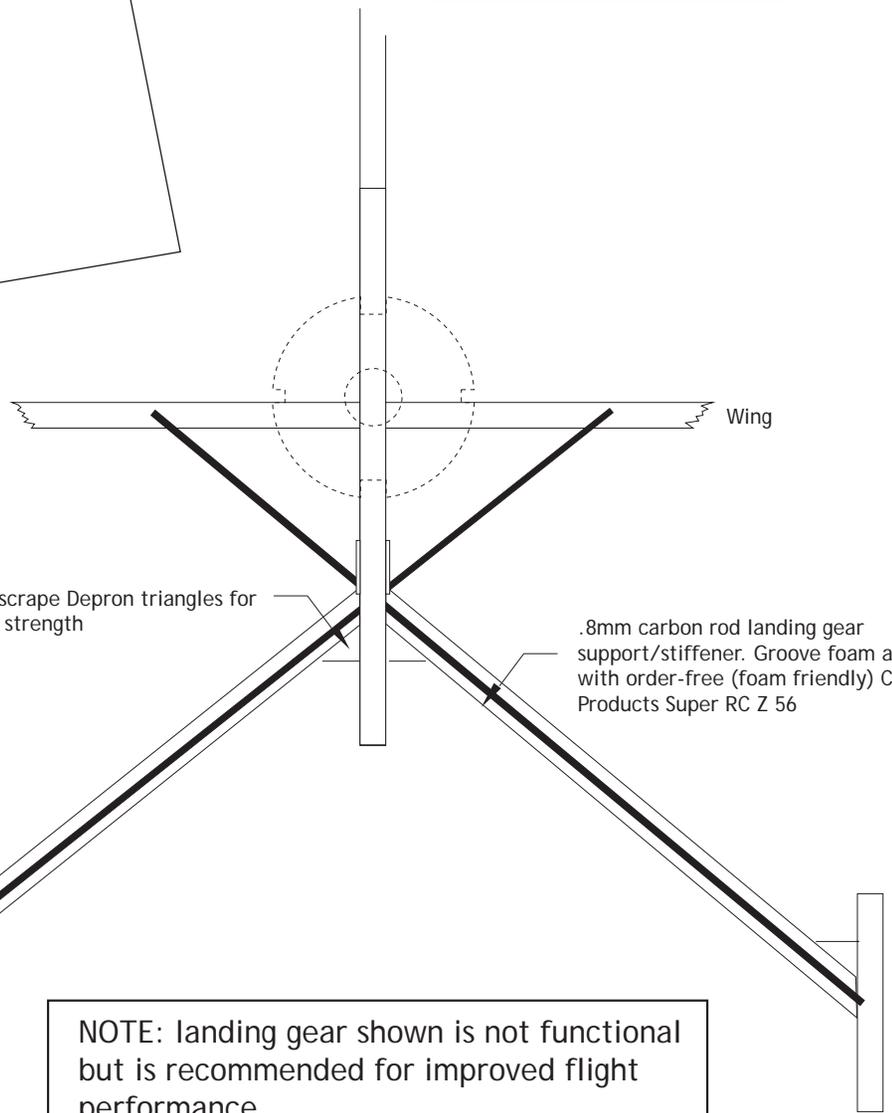
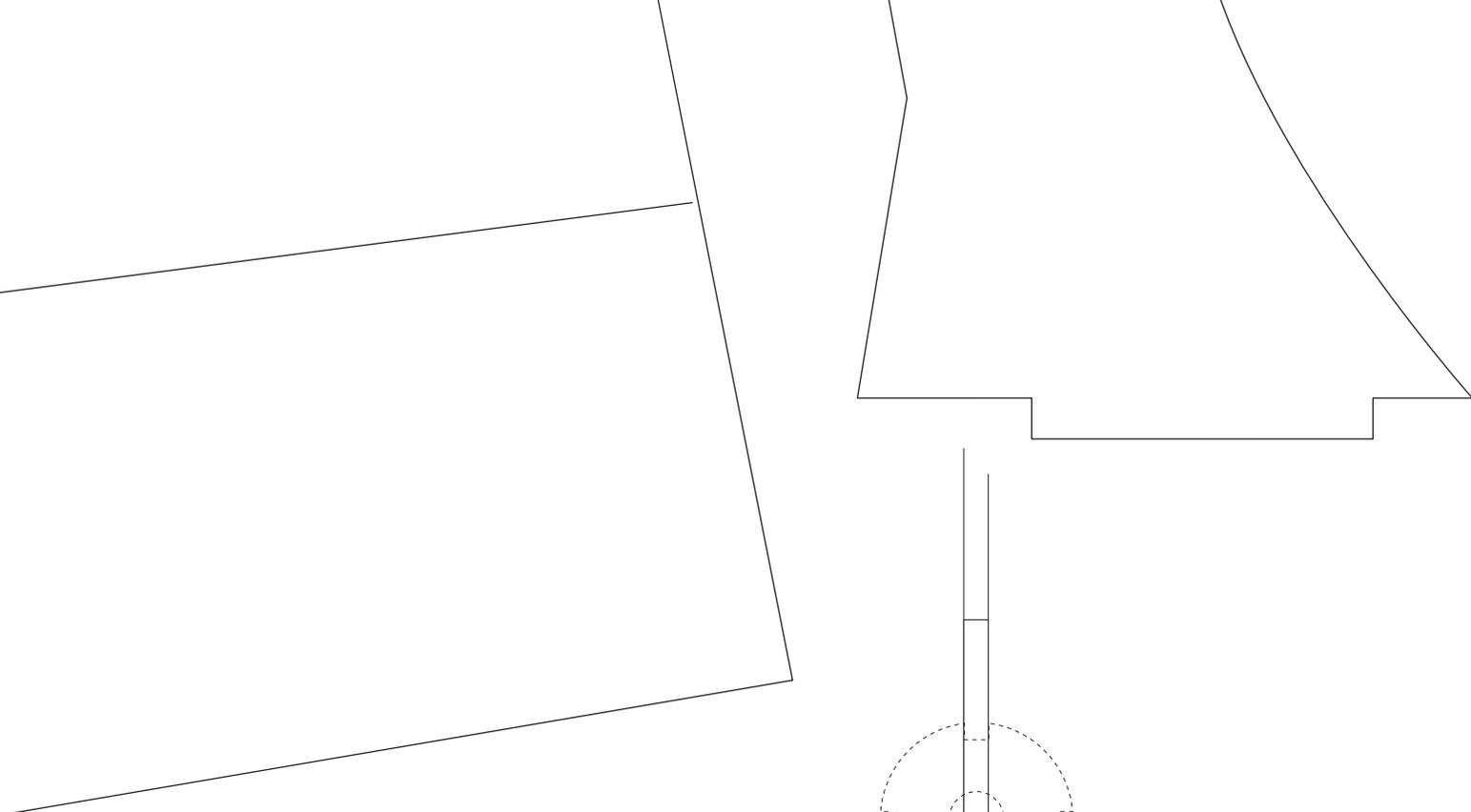


Top/bottom tabs are extended to a trimming during dry fitting of wing



Wing





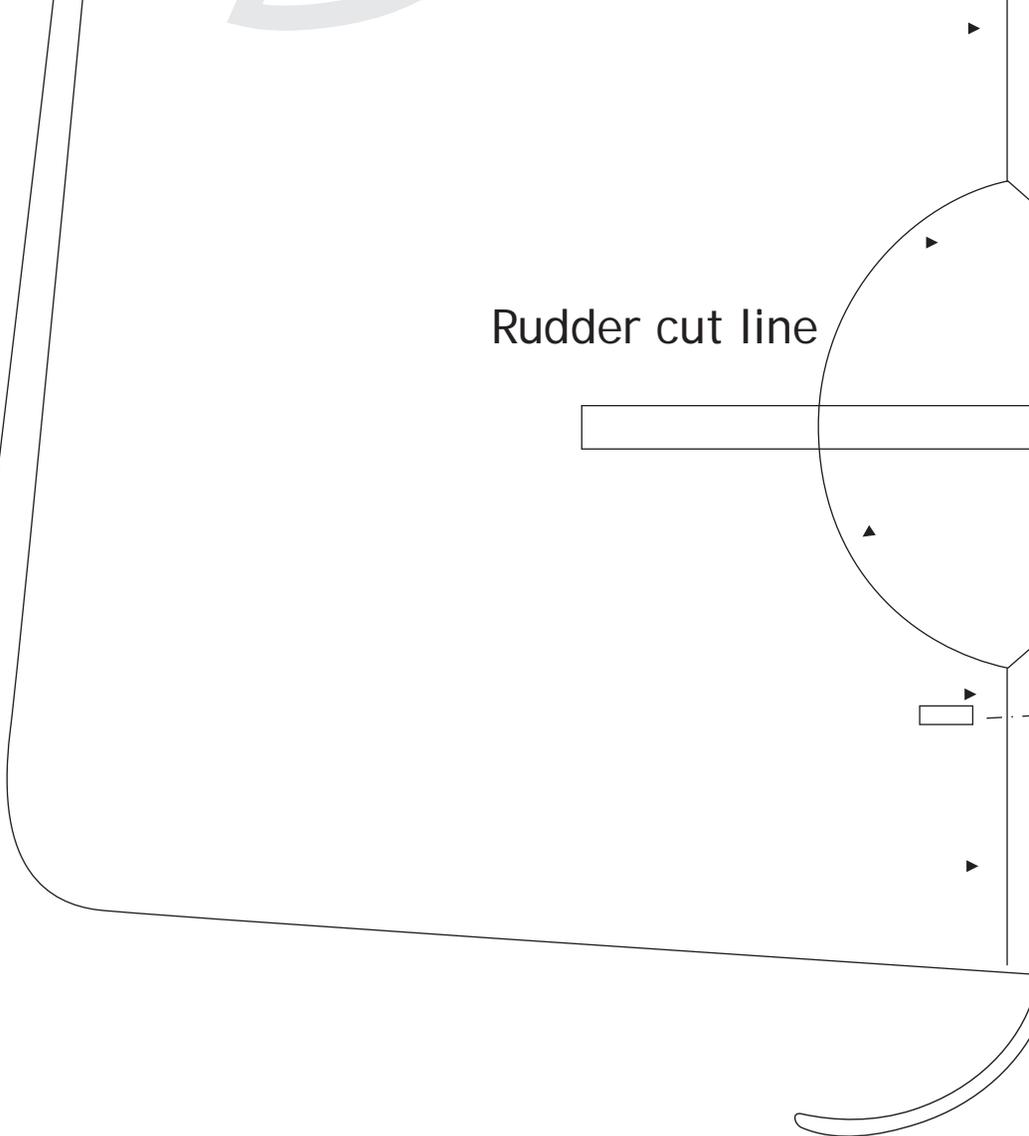
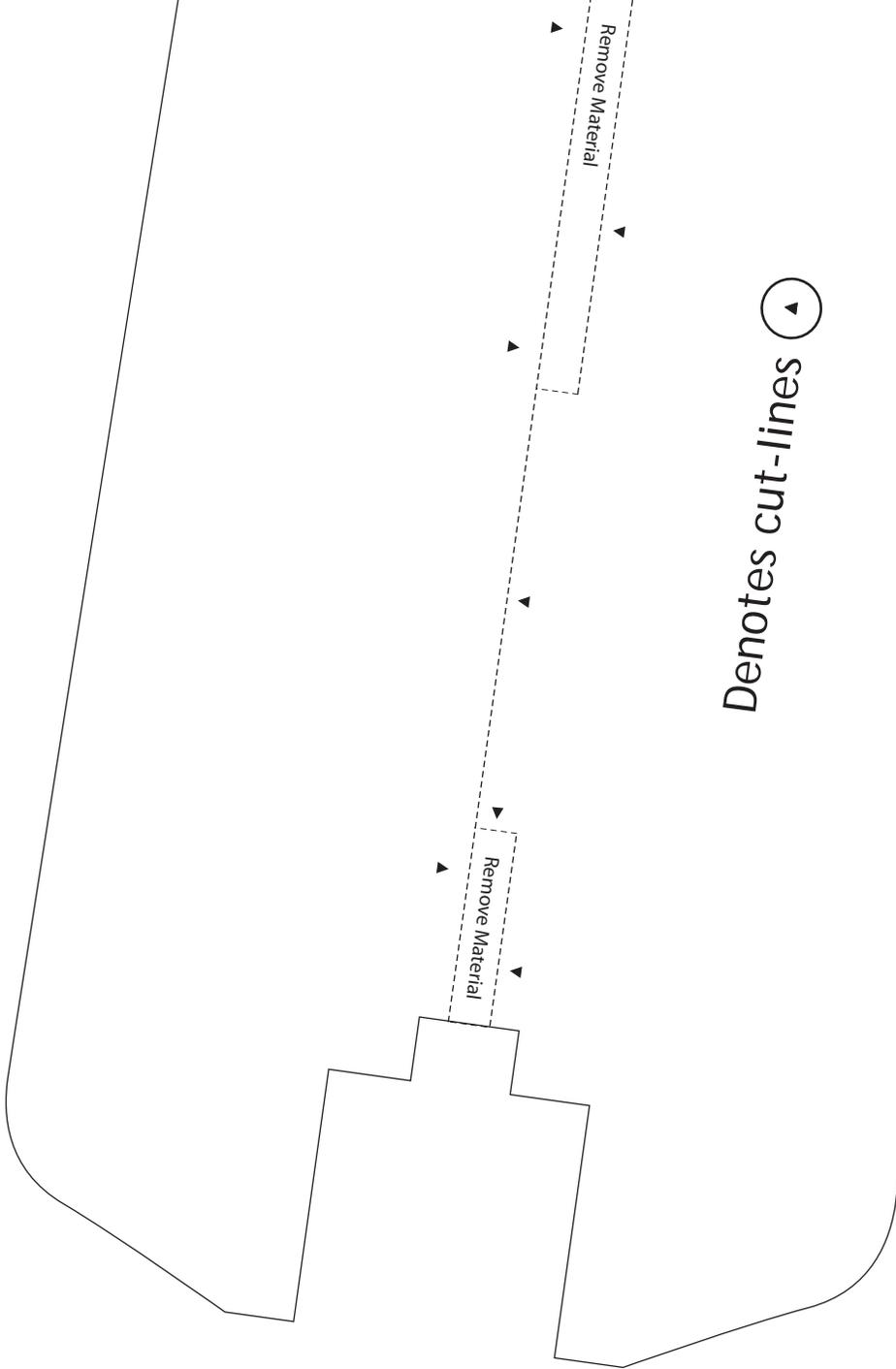
Glue scrape Depron triangles for extra strength

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

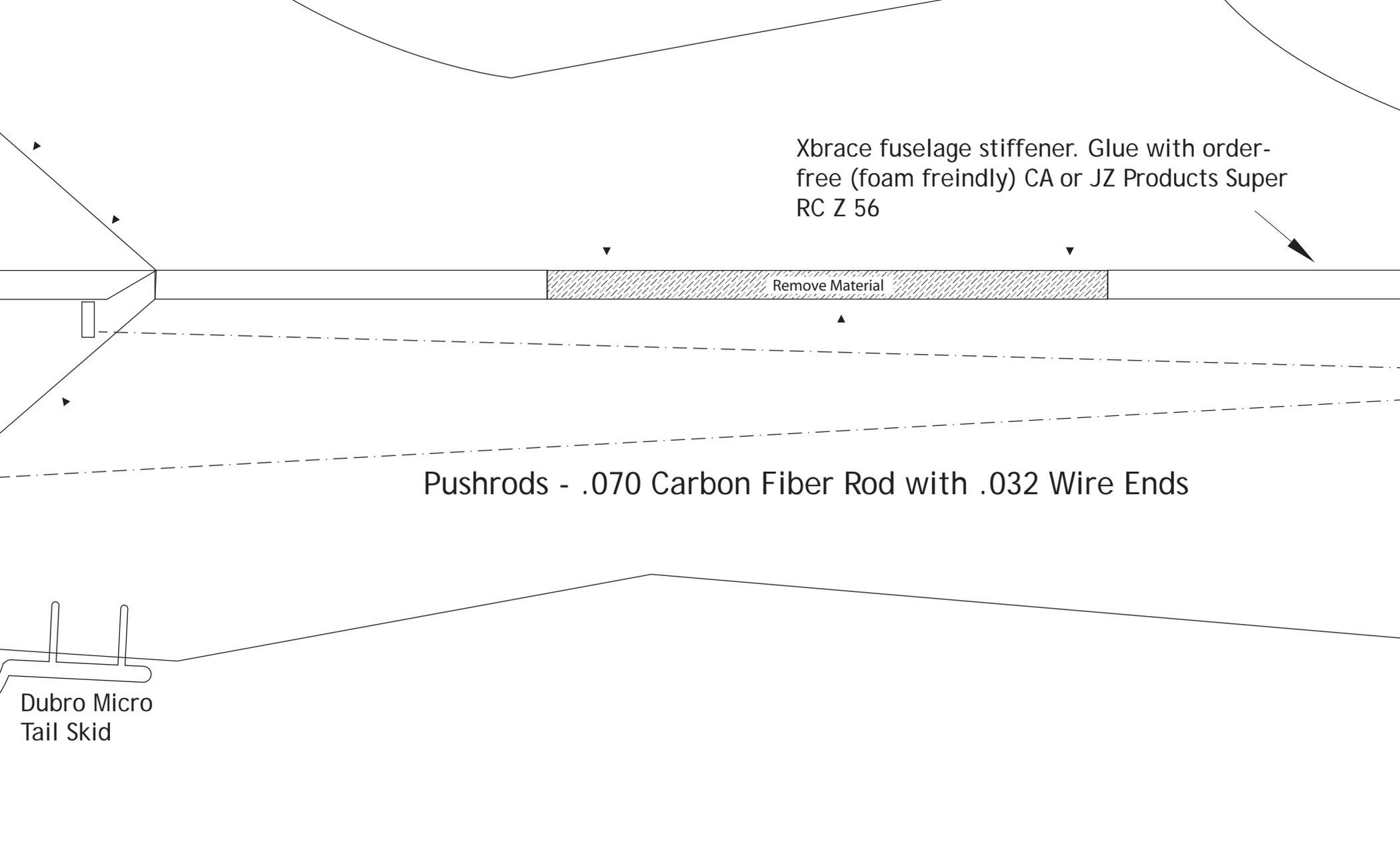
NOTE: landing gear shown is not functional but is recommended for improved flight performance

allow for flush





FOAMe IIx 3 D PARK FLYER SPECS	FLIGHT SYSTEM
Wing Span..... 30.5"	Rx and Servos
Length.....33"	* GWS R-6NII 5ch re
Weight.....14-15oz	* 4 Waypoint W-084
Power..... AXI 2212/34	or Hitec HS 55
Prop..... GWS 12x6 Slow flyer	Brushless Motor
Ch..... 5 (4 servos + speed controller)	* AXI 2212/34 outru
Battery..... 3 Cell 700 to 1320mAh Li Poly	Speed Controller
	* Phoenix 25amp sp



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

Dubro Micro Tail Skid

M RECOMMENDATIONS

MATERIALS LIST

HINGE DETAIL

PUSHROD DETAIL

Receiver or equivalent  
Micro Servos

unner (Max 3D performance)

peed controller

- \* 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

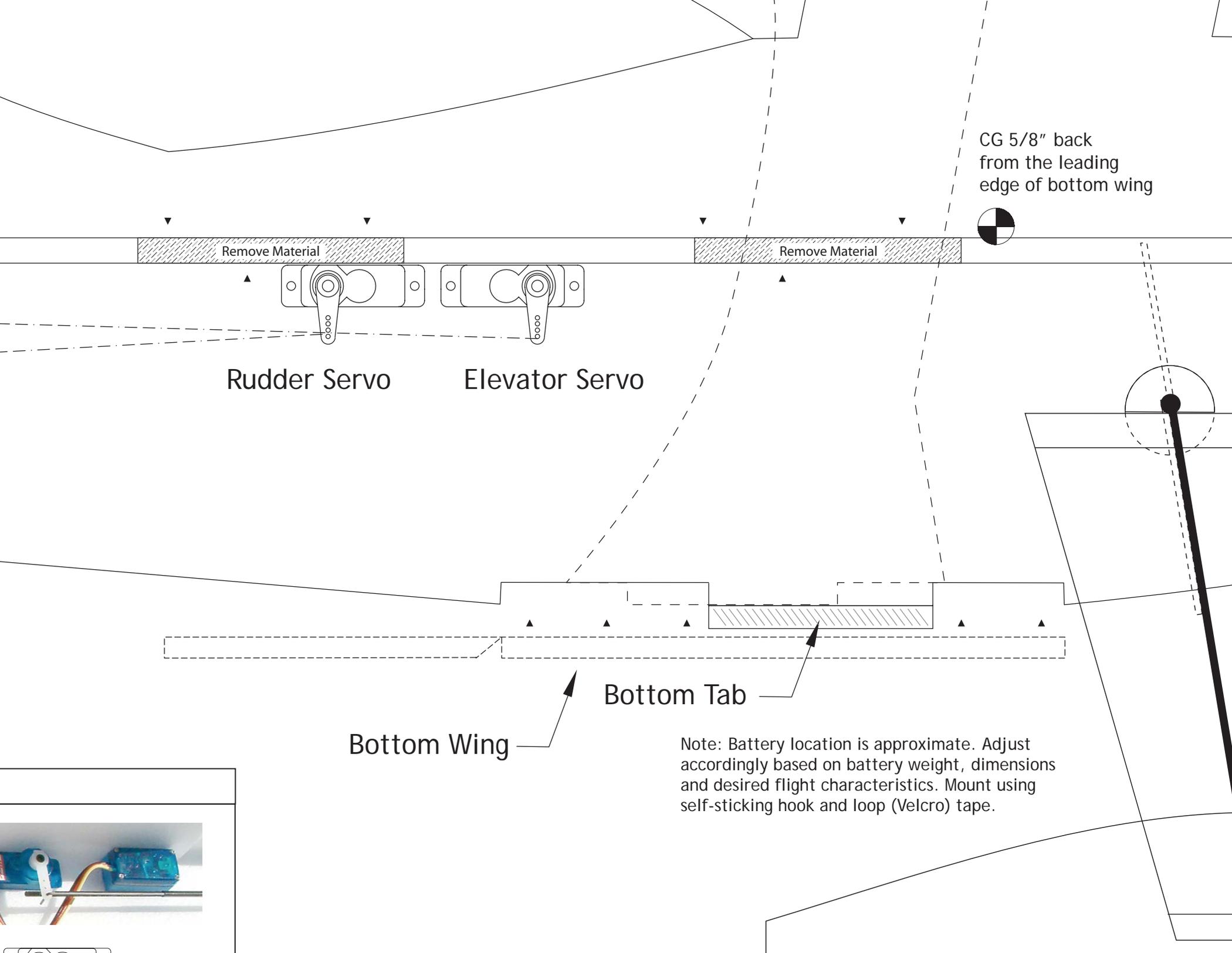
Best results are achieved by using 1" wide Du-Bro RC Electric Flyer Hinge Tape (3M Blenderm) for all hinges. Clean all parts with rubbing alcohol before applying.

— Tape

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



.032 wire control rods



CG 5/8" back from the leading edge of bottom wing

Remove Material

Remove Material

Rudder Servo

Elevator Servo

Bottom Tab

Bottom Wing

Note: Battery location is approximate. Adjust accordingly based on battery weight, dimensions and desired flight characteristics. Mount using self-sticking hook and loop (Velcro) tape.



Denotes cut-lines (▲)

Remove Material

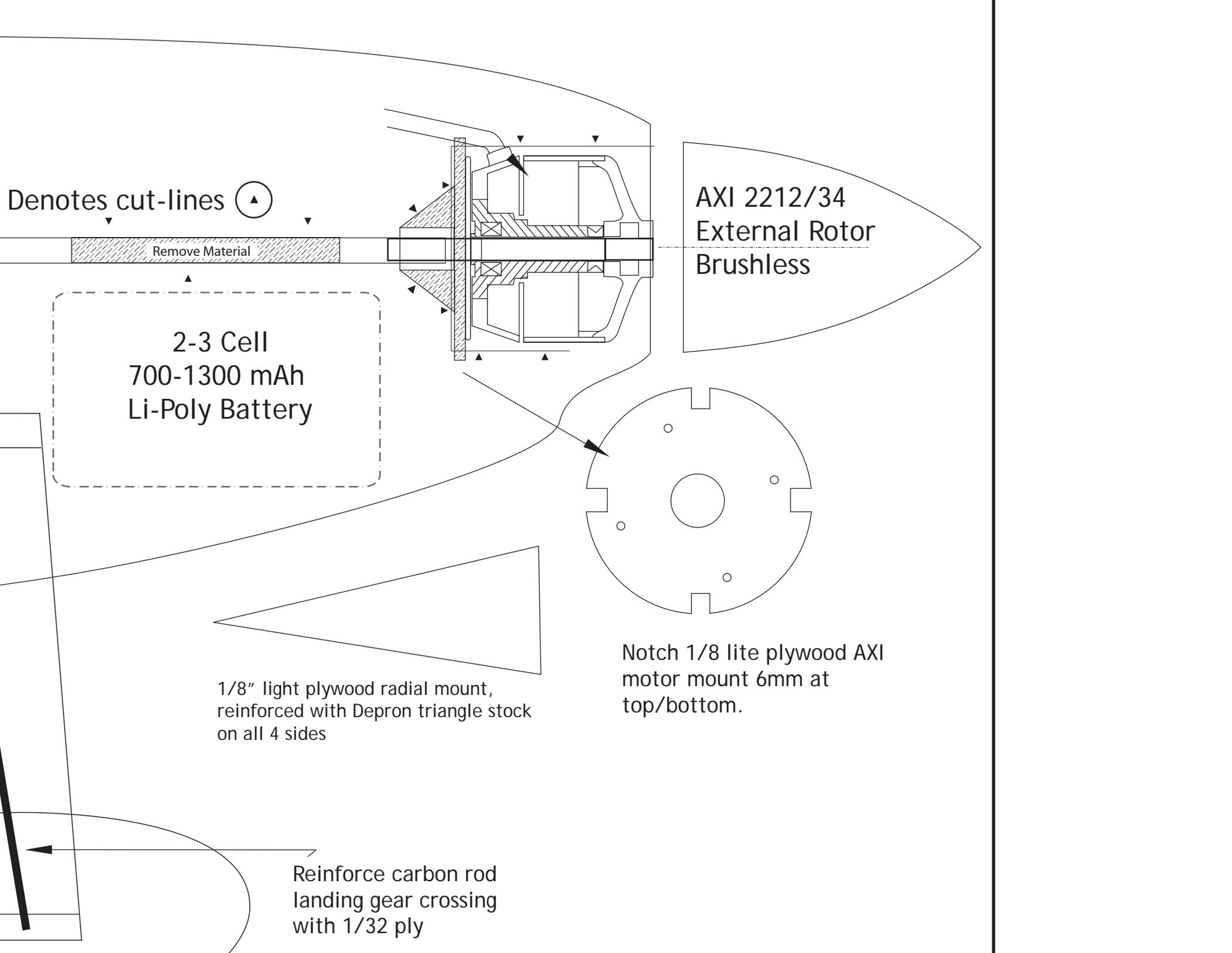
2-3 Cell  
700-1300 mAh  
Li-Poly Battery

AXI 2212/34  
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.

Reinforce carbon rod  
landing gear crossing  
with 1/32 ply



2
3
4

Battery..... 3 Cell 700 to 1350mAh-Li-Ion

Battery  
\* 3 Cell 700-1350m  
Prop(s)  
\* GWS 12x6 Slow FI  
\* APC 12x3.8 electr

Inch Scale reference,  
check after printing.

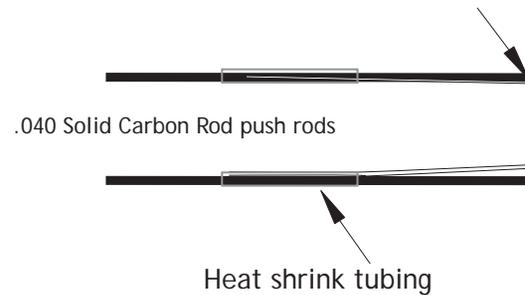
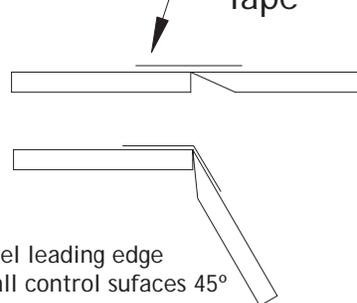


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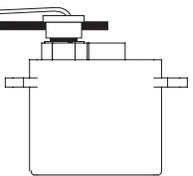
Ah-11.1v Li-Poly

yer  
ic slow flyer

- (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)



All airframe parts and control surfaces are cut f



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



Carefully cut each out using a straightedge 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

from 6mm Deporn Foam

Build tips online at: [3Dbatix.com](http://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.