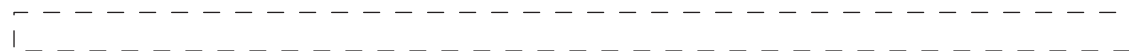






Wing cut from one piece



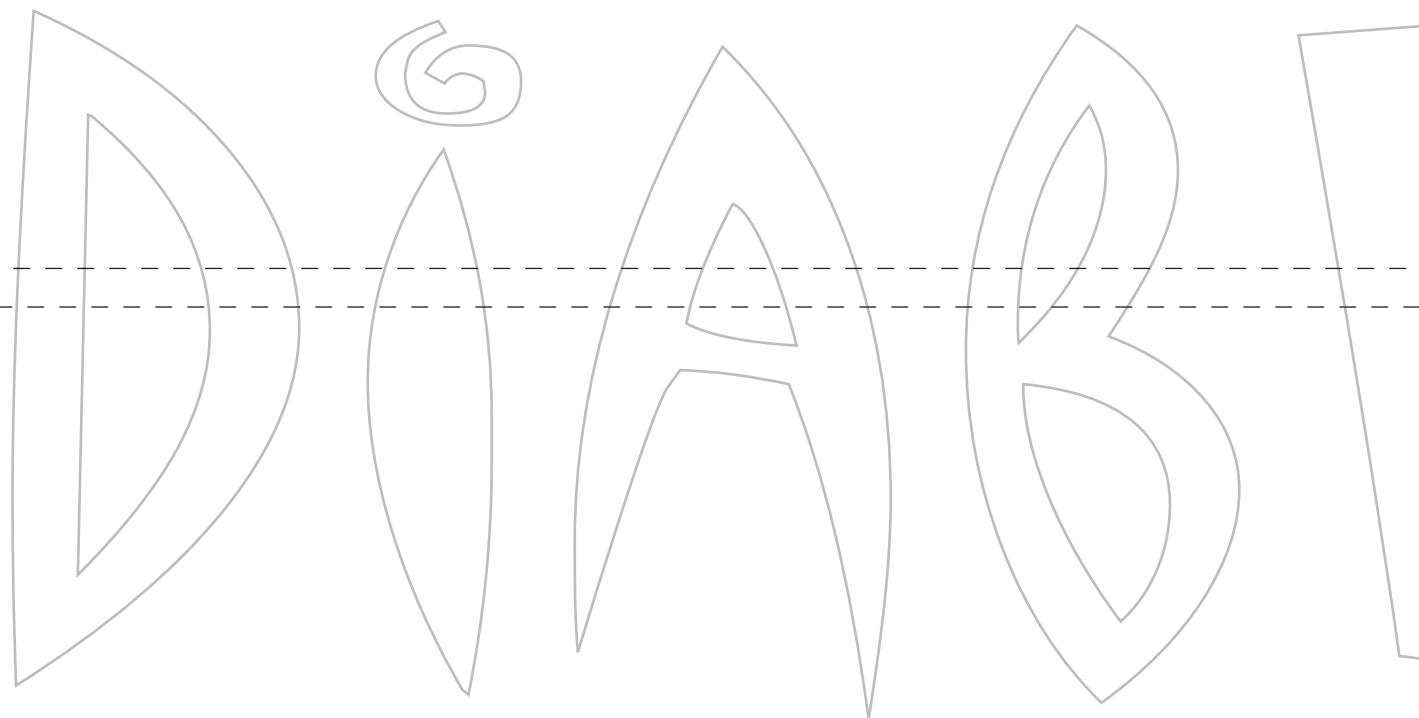
4mm carbon fiber tube. Cut wing only and CA or RC-56 i

Diablo-3D Park Flyer

ce of 6mm Depron foam

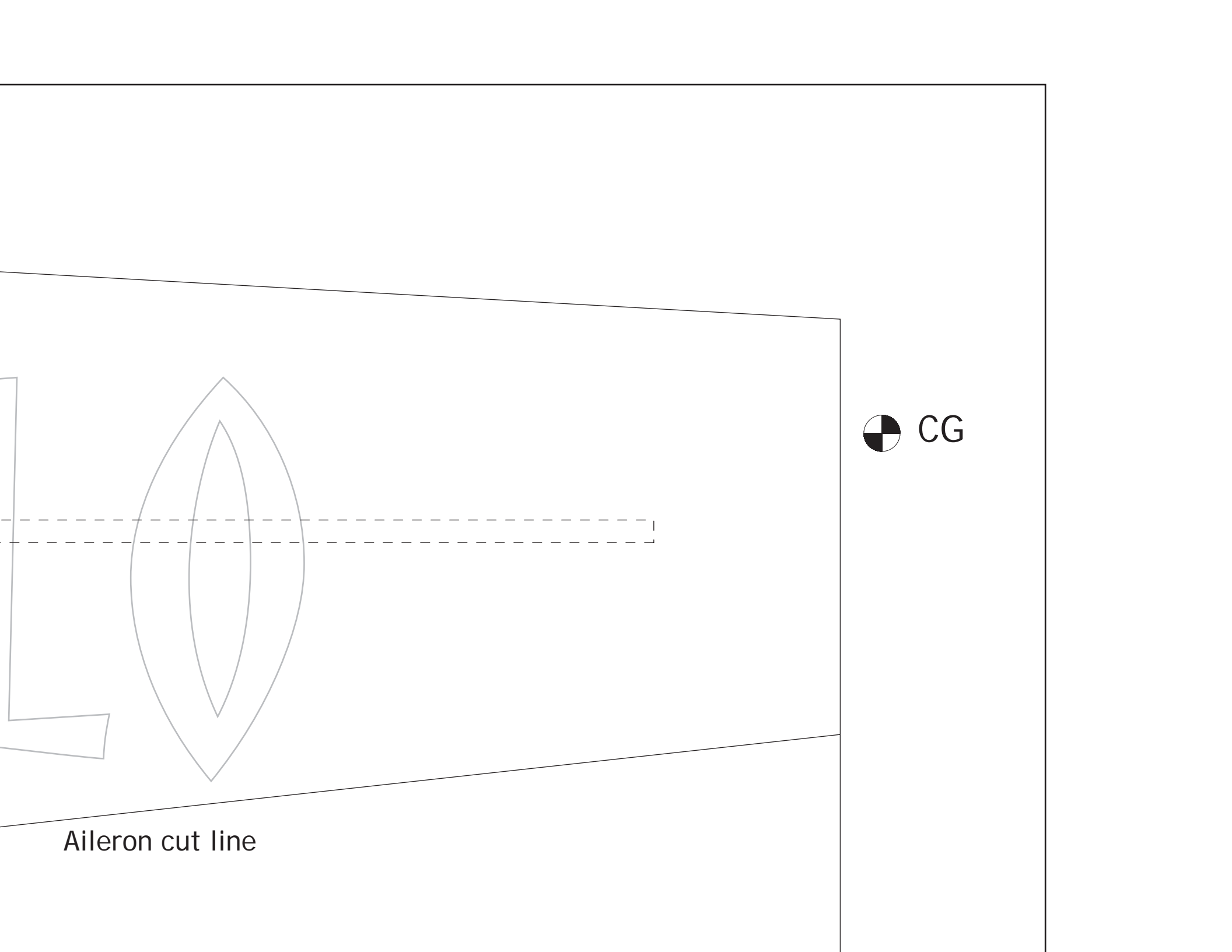
t a channel (per plan) on the bottom of the
n place.





Aileron control horns





Aileron cut line

CG



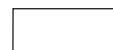
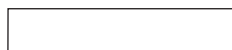
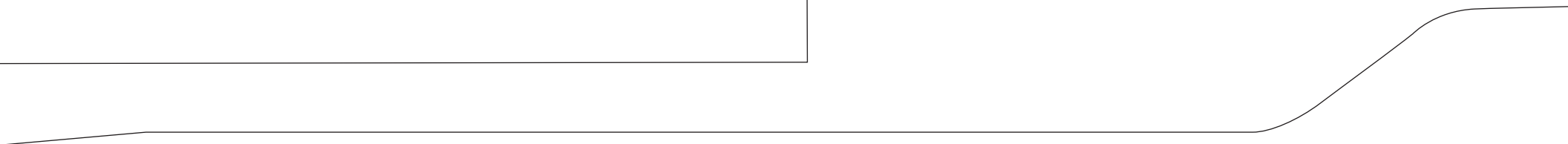
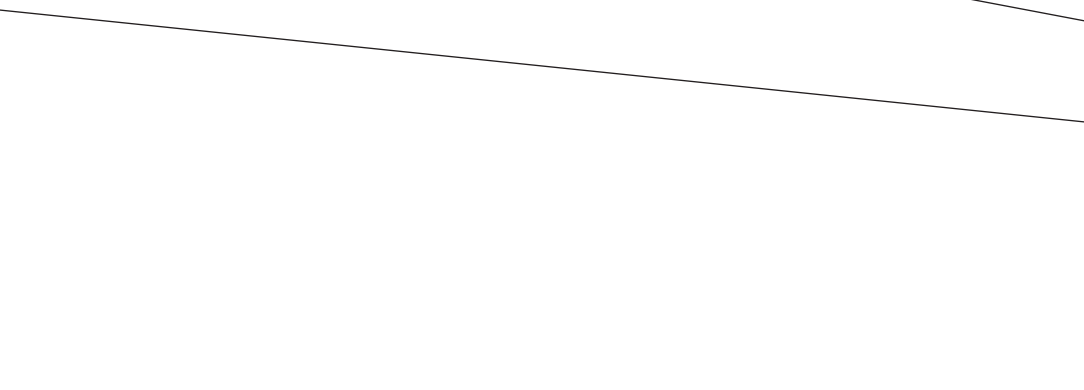
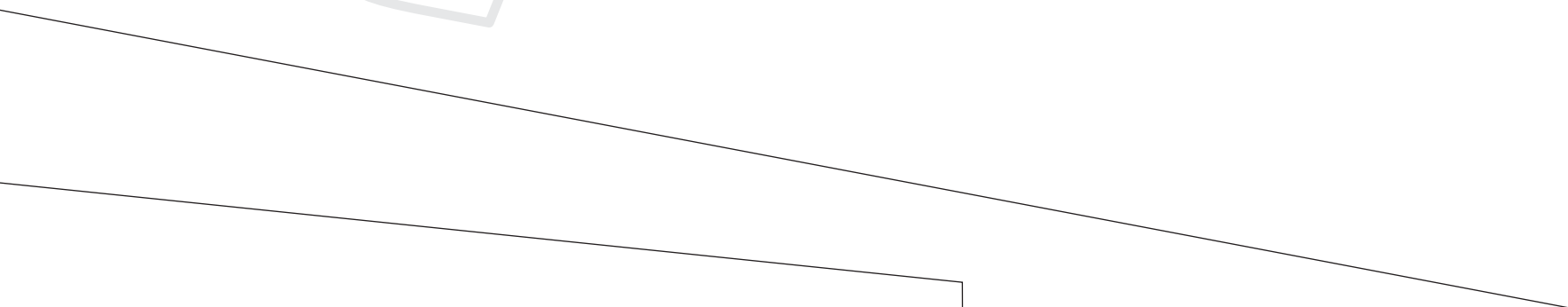
FULL

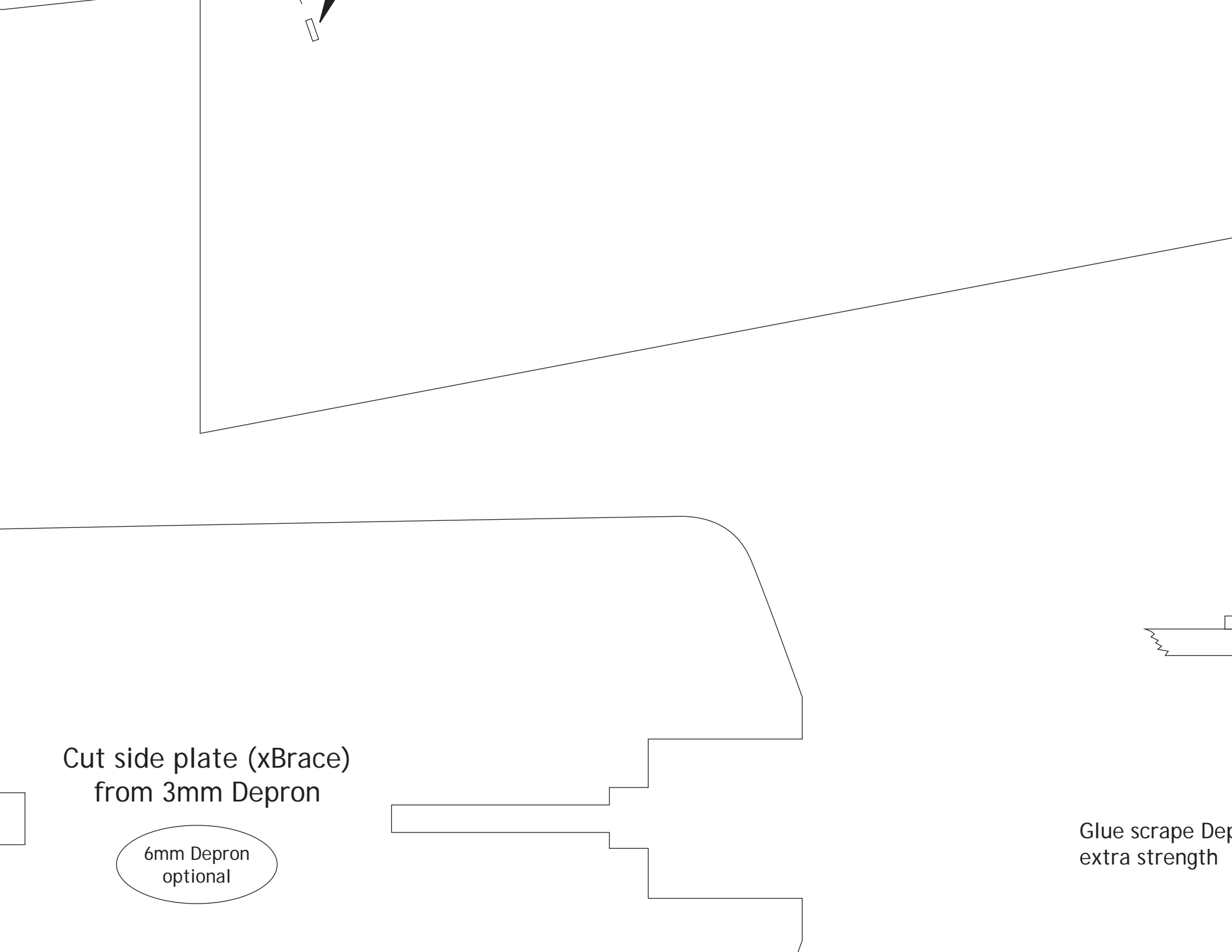
Landing Gear

.030 - .040 solid carbon rod (or 3mm flat carbon rod) glued to the trailing edge of the stab right in front of the hinge line for spanwise stiffness

taba

1

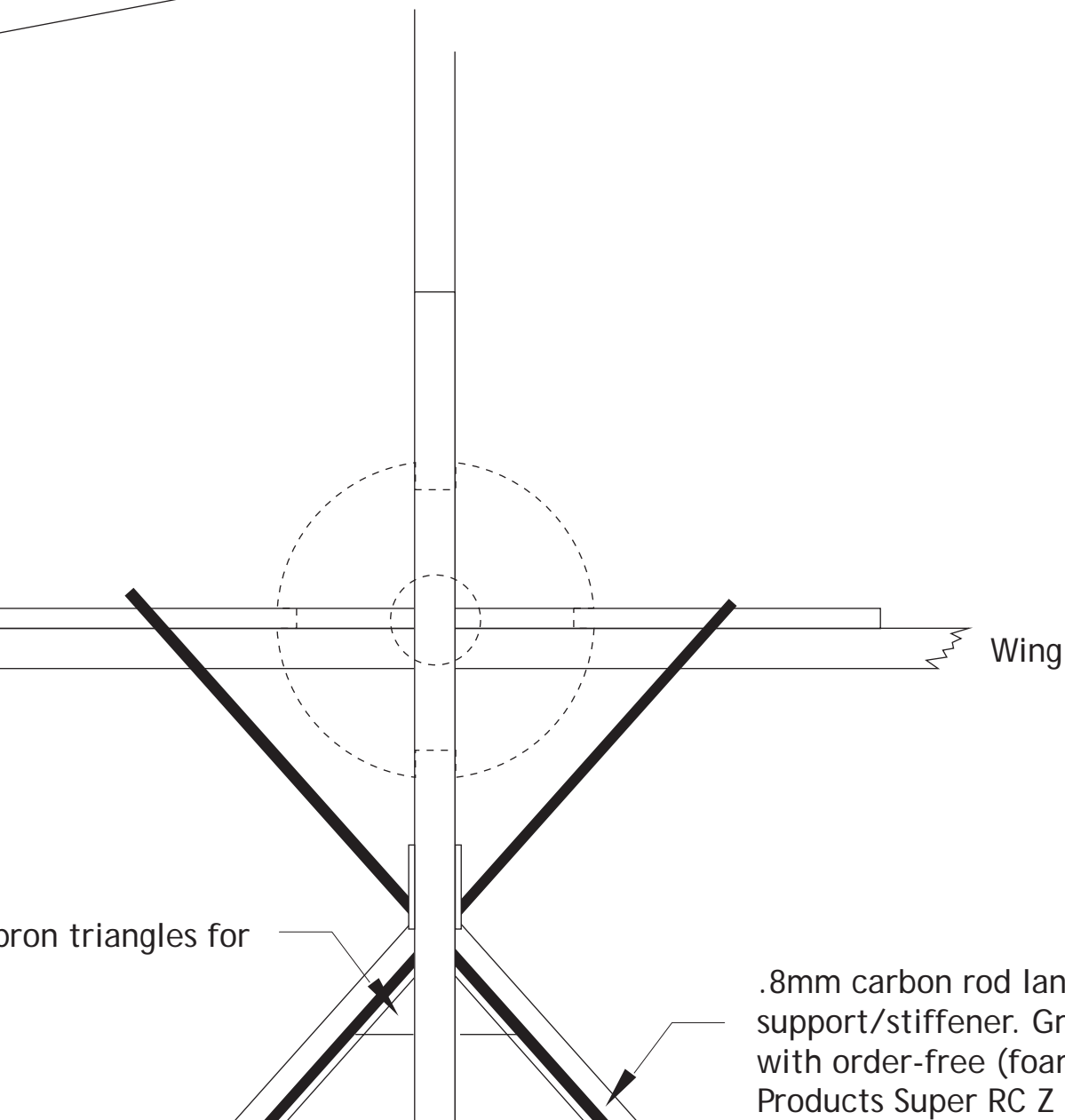
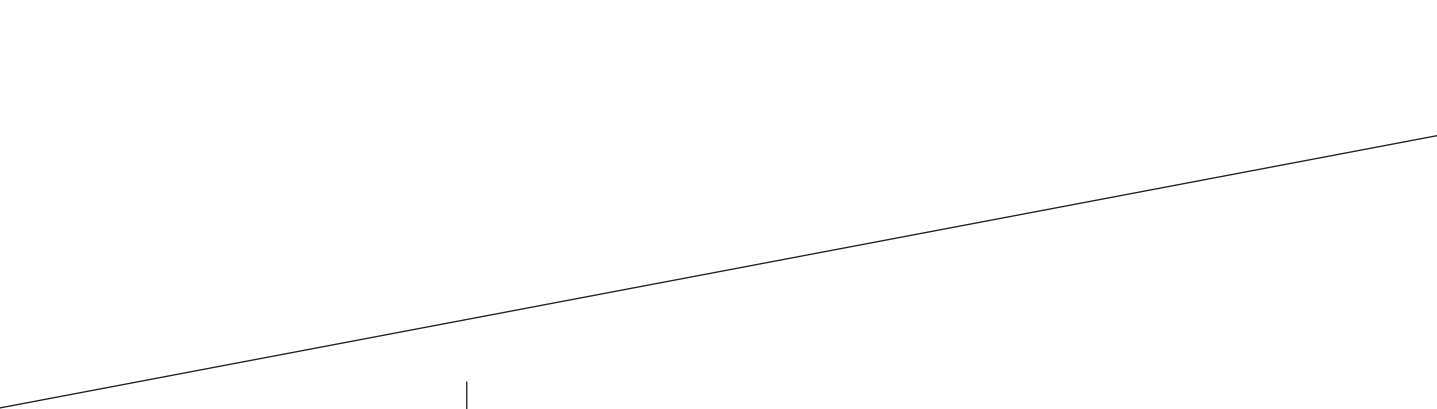




Cut side plate (xBrace)
from 3mm Depron

6mm Depron
optional

Glue scrape Dep
extra strength



Carbon triangles for

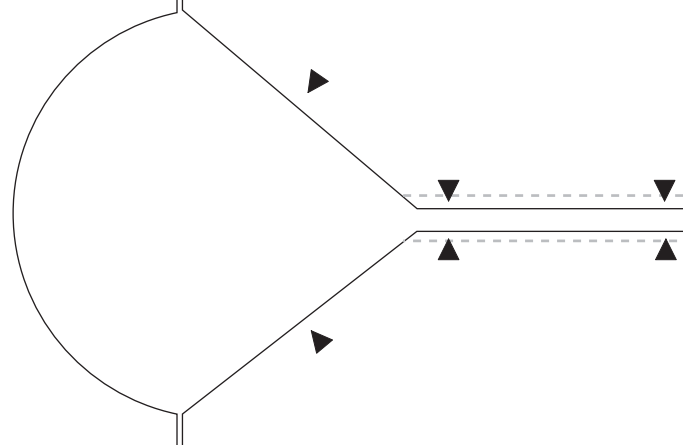
Wing

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

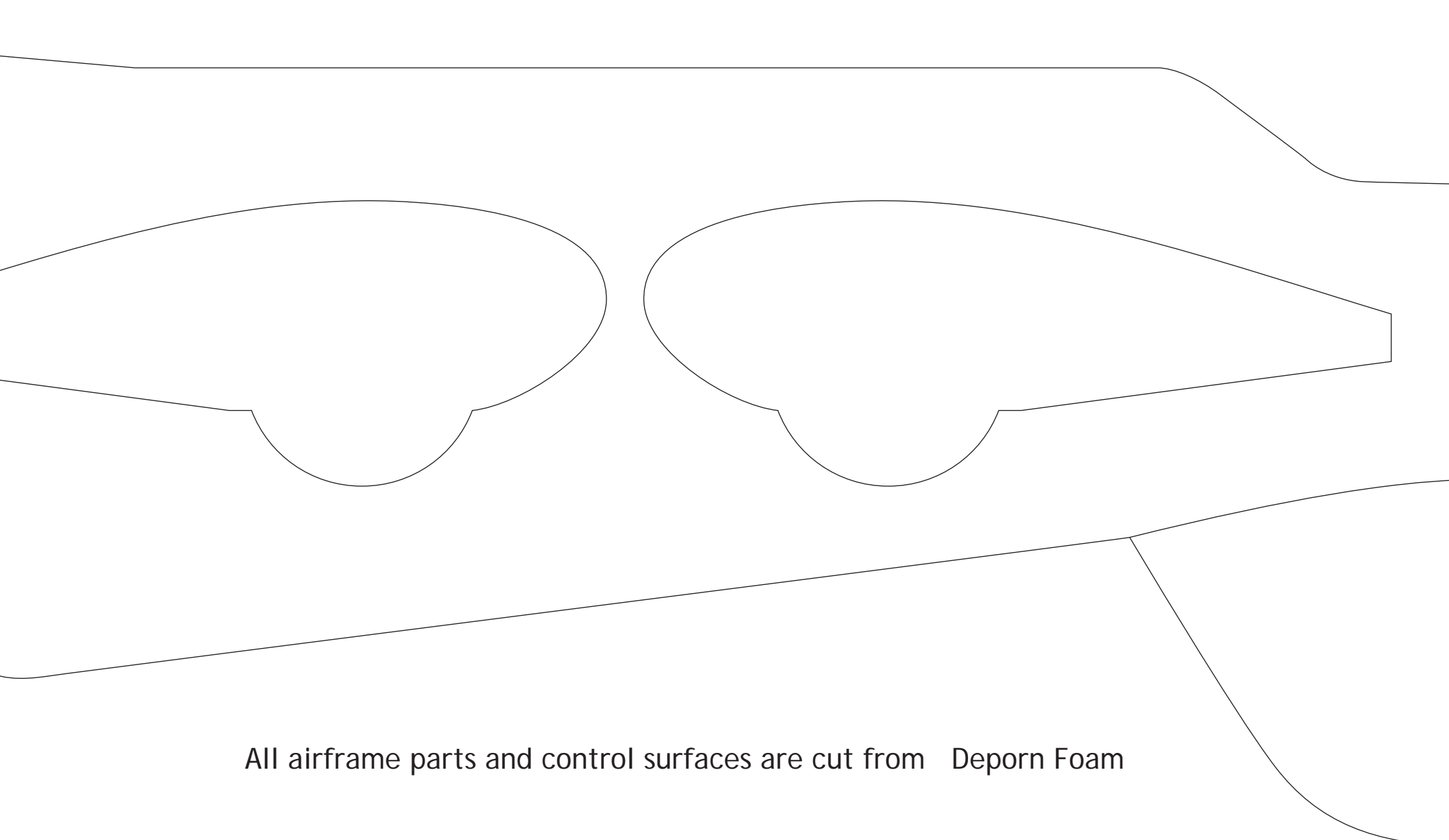


3mm Depron

3D
Batix.com

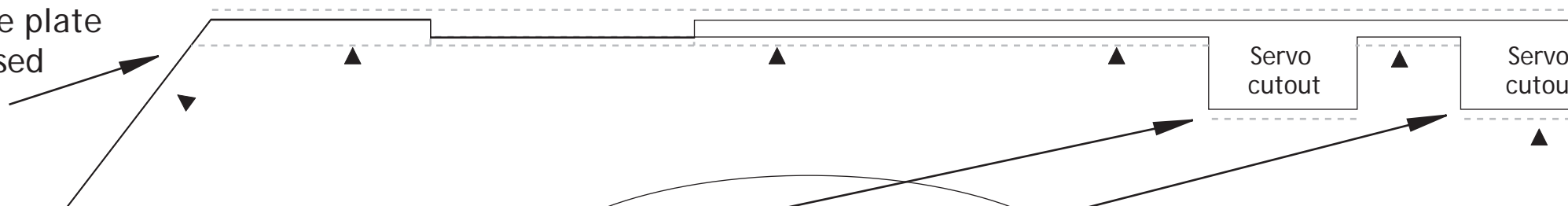


Dashed
sents alt
line if 6m
xBrac

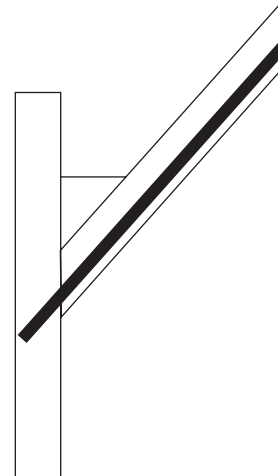


All airframe parts and control surfaces are cut from Deporn Foam

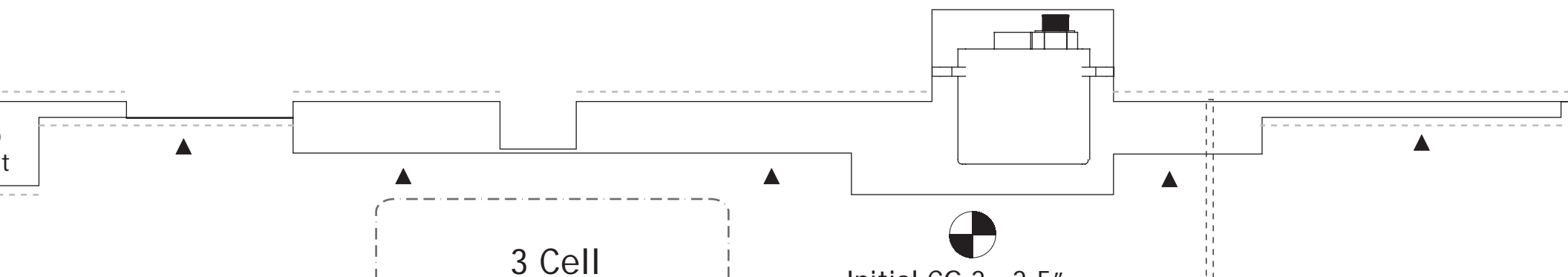
line repre-
ternitive cut
m side plate
ce is used

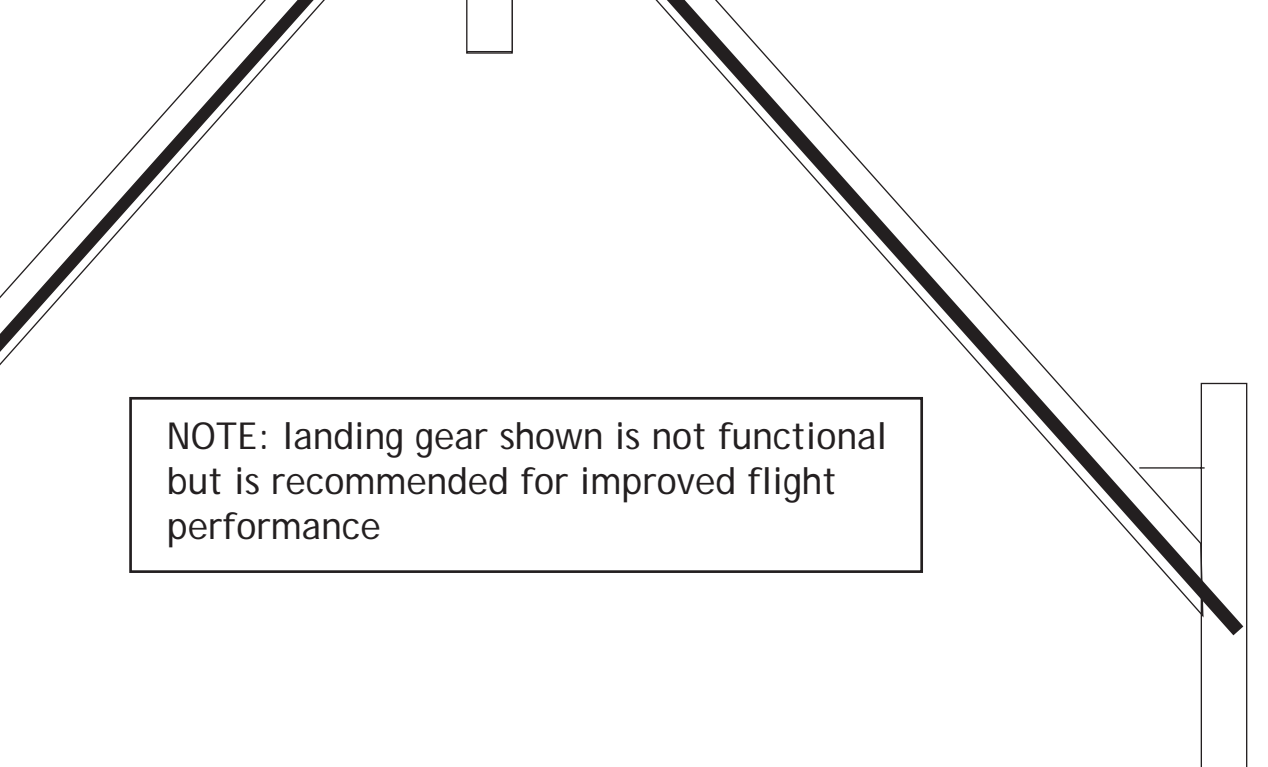


All parts are cut from 6mm Depron unless stated otherwise



Aileron Servo

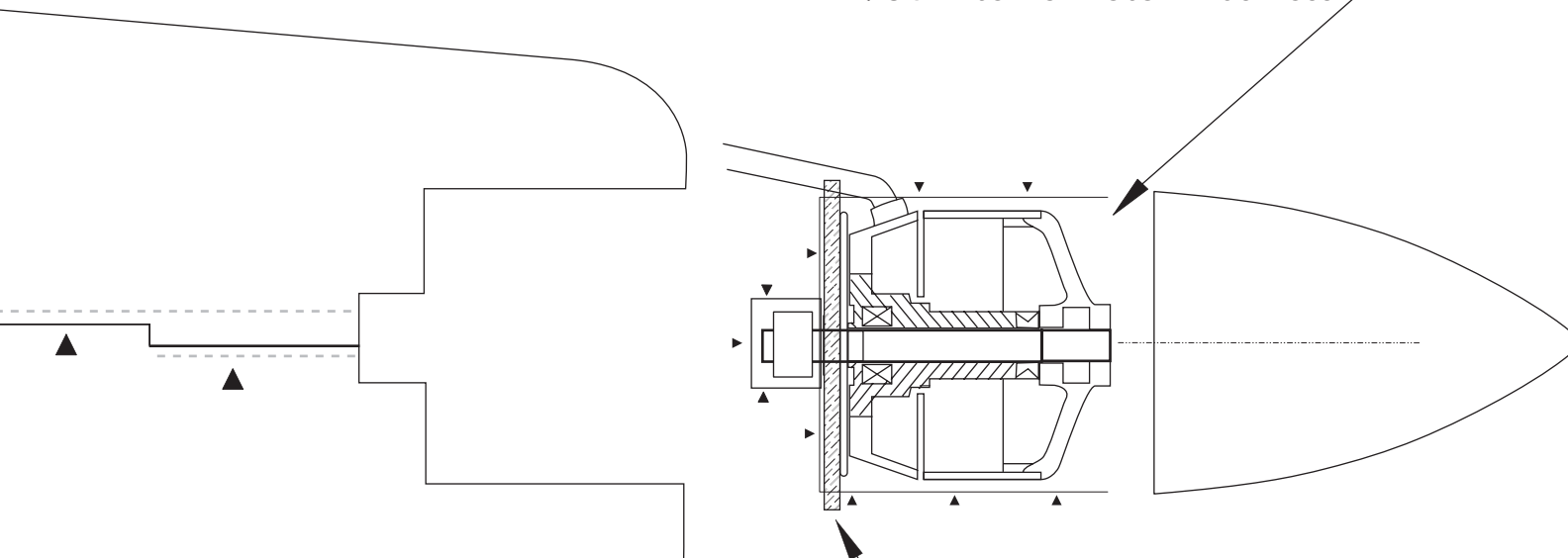


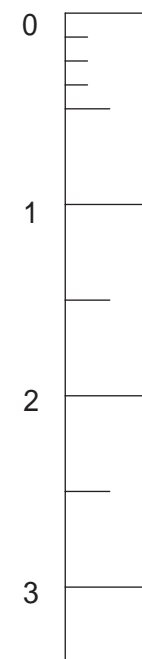


NOTE: landing gear shown is not functional
but is recommended for improved flight
performance

AXI Brushless Motor Shown

AXI 2212/34 External Rotor Brushless





Inch Scale reference,
check after printing.

DIABLO-3 D PARK FLYER SPECS

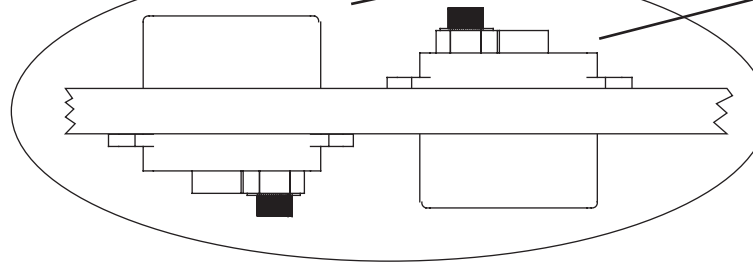
Wing Span..... 37"
Length.....33.75"
Weight.....12-13oz
Power.....AXI 2212/34
Prop..... GWS 12x4
Ch..... 4
Battery..... 3 Cell-700 to 1350mAh-Li-Poly



FLIGHT SYSTEM RECOMMENDATIONS

Rx and Servos
* GWS R-4PH 4ch 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

Elevator Servo



Rudder Servo

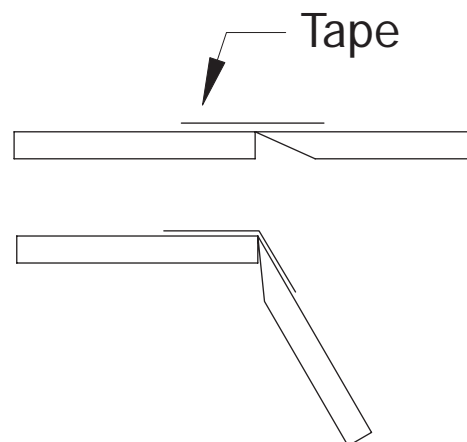
De

MATERIALS LIST

- * Depron 6mm/3mm White (www.depronusa.com)
- * 30" 4mm & 2mm wrapped carbon fiber tube
- * .040 Solid Carbon Rod (push rods + stab support)
or...optional 3mm flat carbon rod tab 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

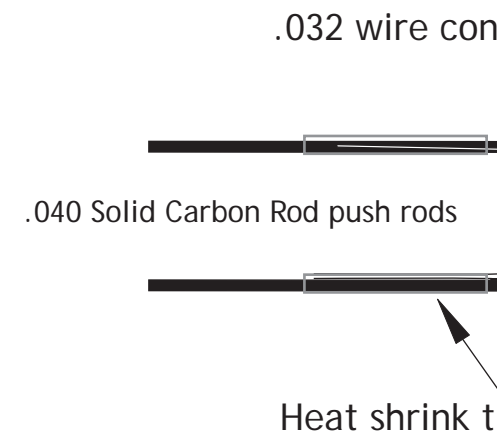
HINGE DETAIL

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.



PUSHR

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





700-1350 mAh
Li-Poly Battery

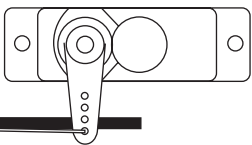
Initial CG 2 - 2.5"
from leading edge
root

MOD DETAIL

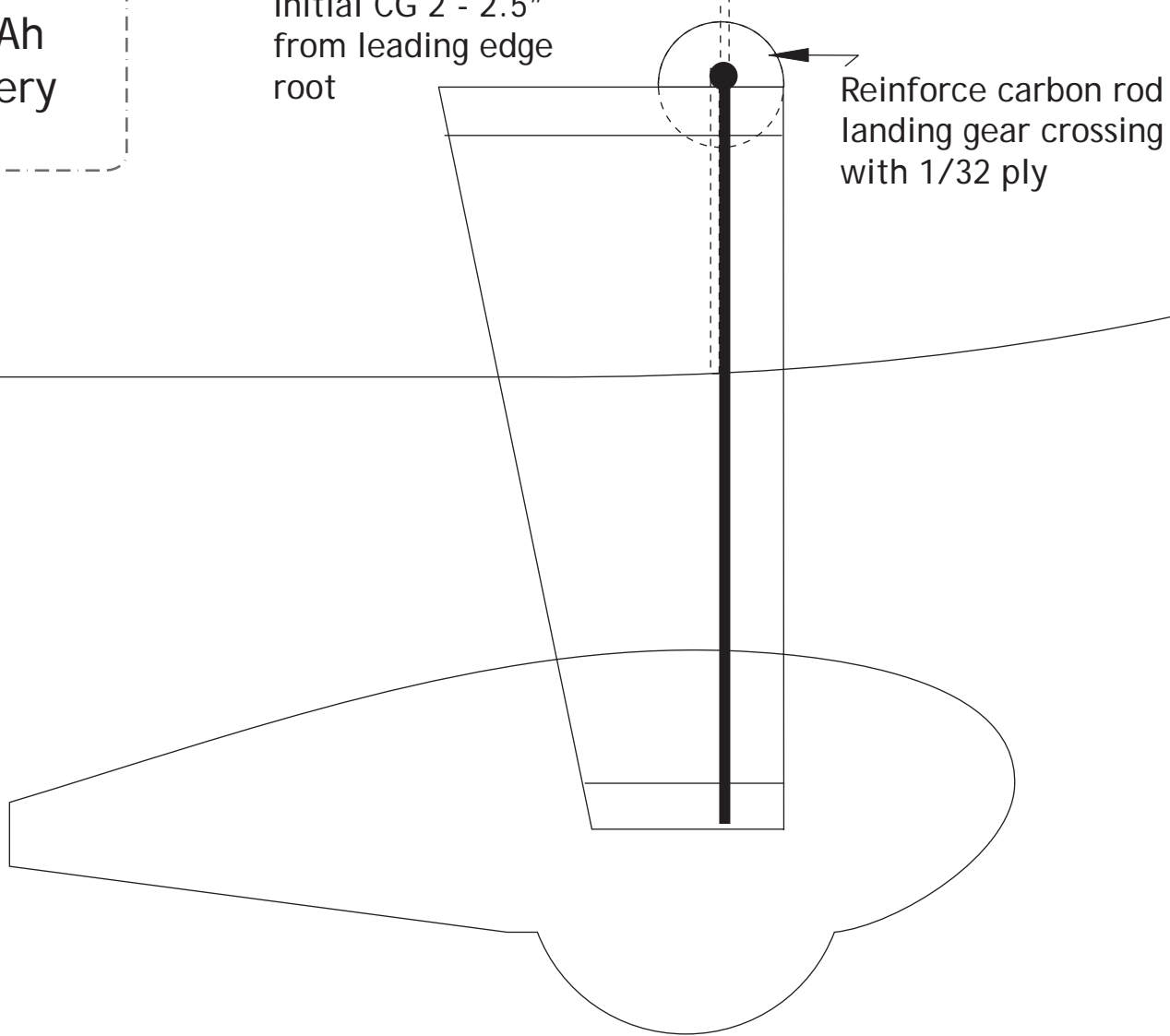


ce

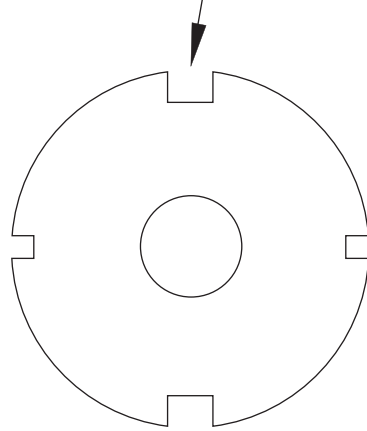
trol rods



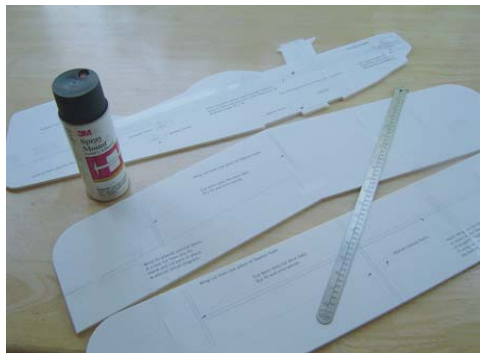
ubing



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



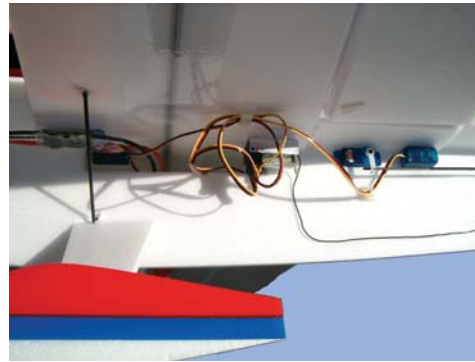
BUILDING & FINISHING DETIALS



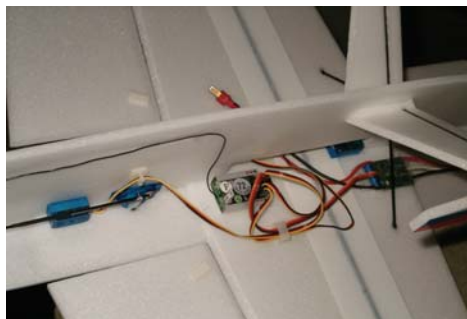
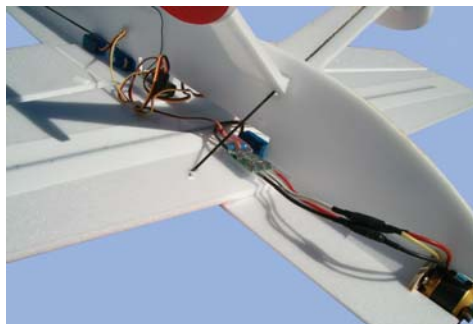
Lightly coat back of plan parts with Spray Adhesive, apply each part to Depron. Carefully cut each part out using a straightedge and #11 Xacto.

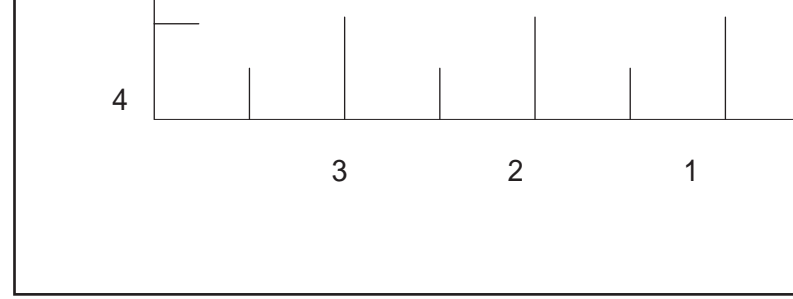


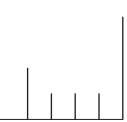
A Rotary Tool Cutting Adapter is perfect for clean easy to make grooves for Fiber Carbon rod stiffeners.



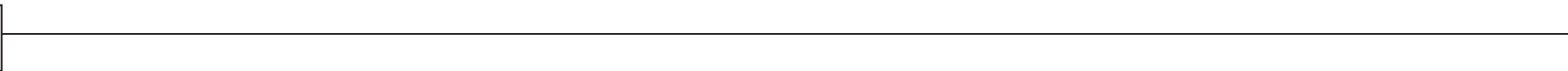
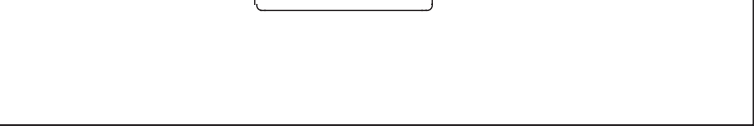
Speed control, Rx and rudder/elevator servos. Note landing gear set-up





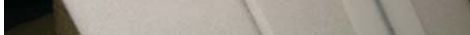


Design by Mickey Crawley - Plans by Steven Gibson





Thick CA works fine for mounting the light ply motor mount.



Not speed control and Rx locations. Battery is on the opposite side.



Colored Zagi tape works great for trim. It's best to trim each part before assembly.