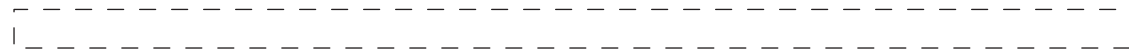






Wing cut from one piece

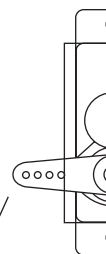


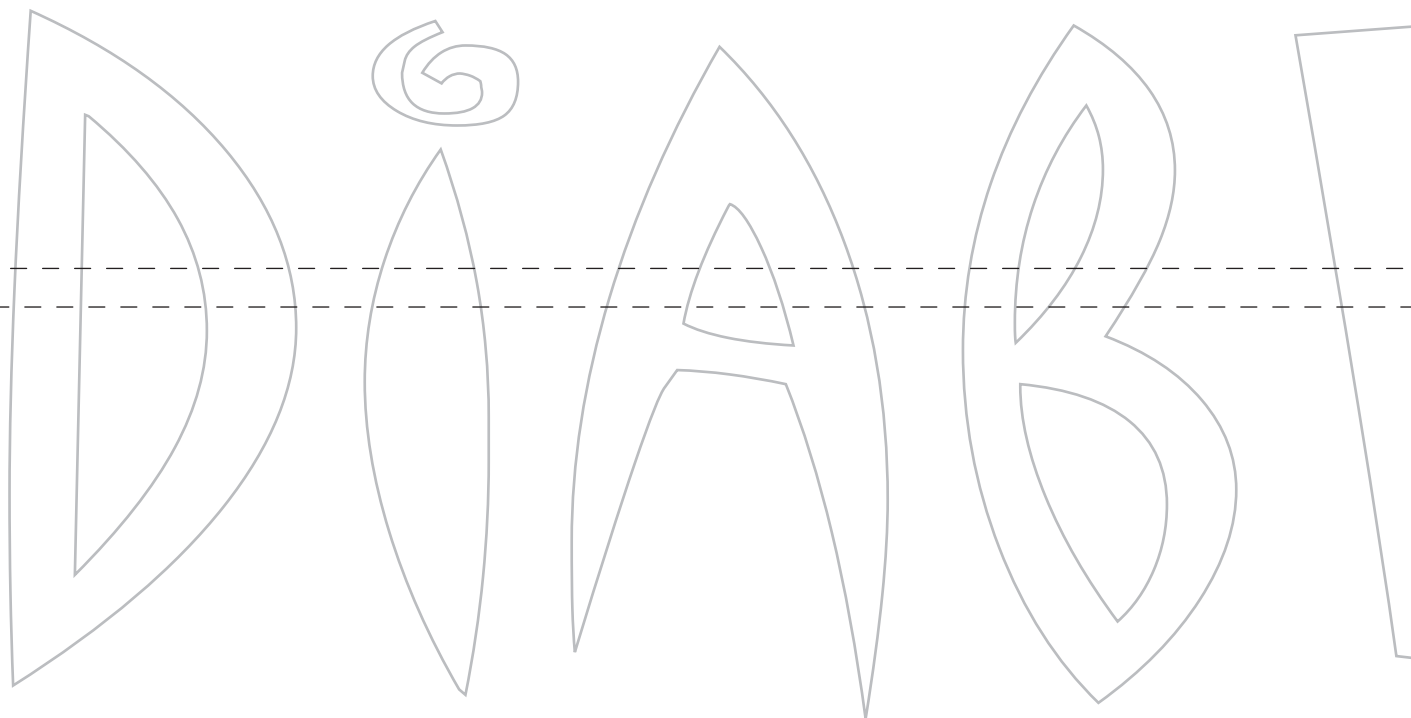
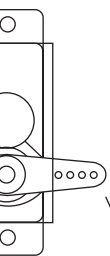
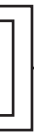
4mm carbon fiber tube. Cut  
wing only and CA or RC-56 i

# ***Diablo-3D Park Flyer***

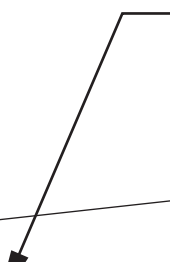
piece of 6mm Depron foam

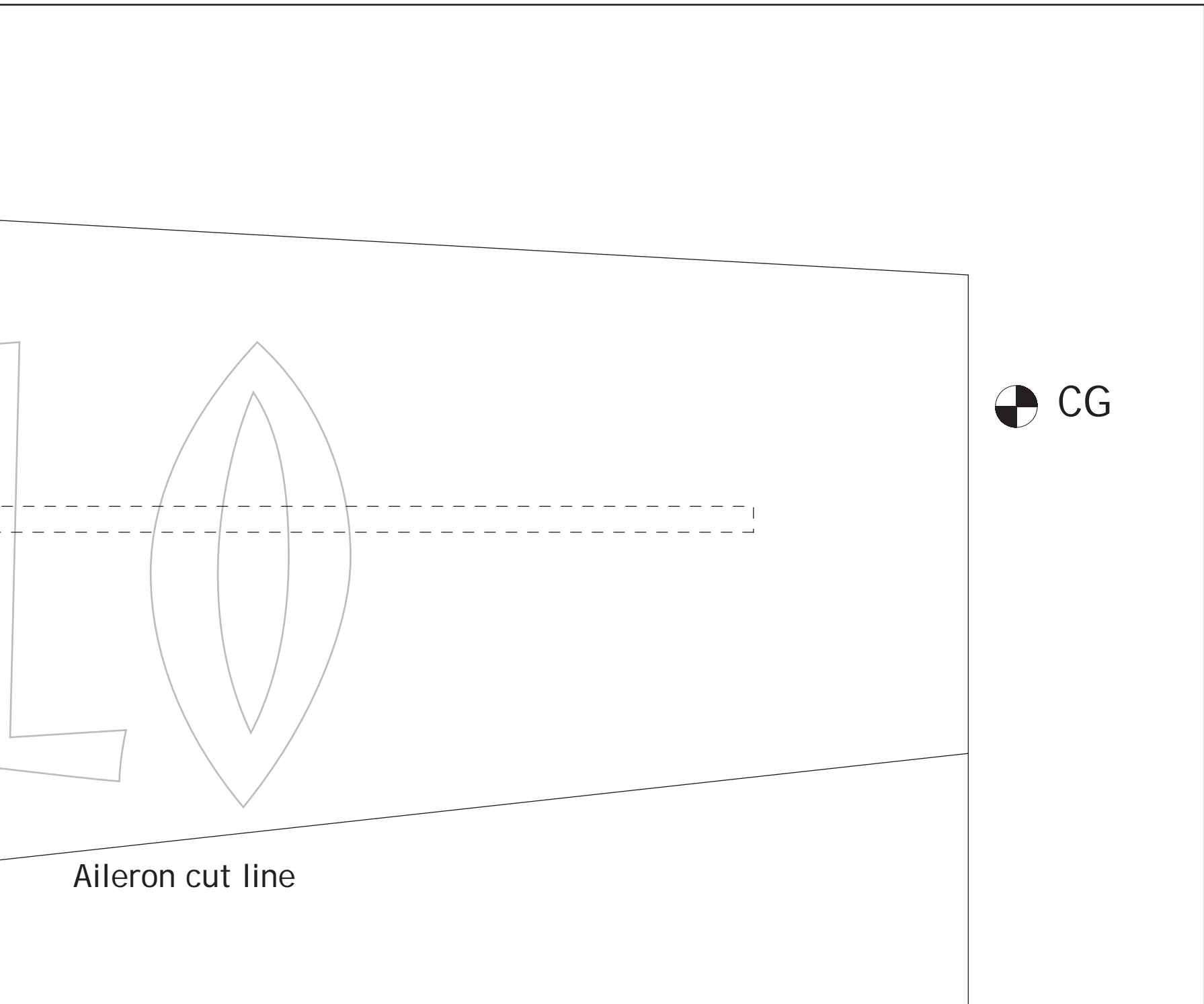
cut a channel (per plan) on the bottom of the  
in place.





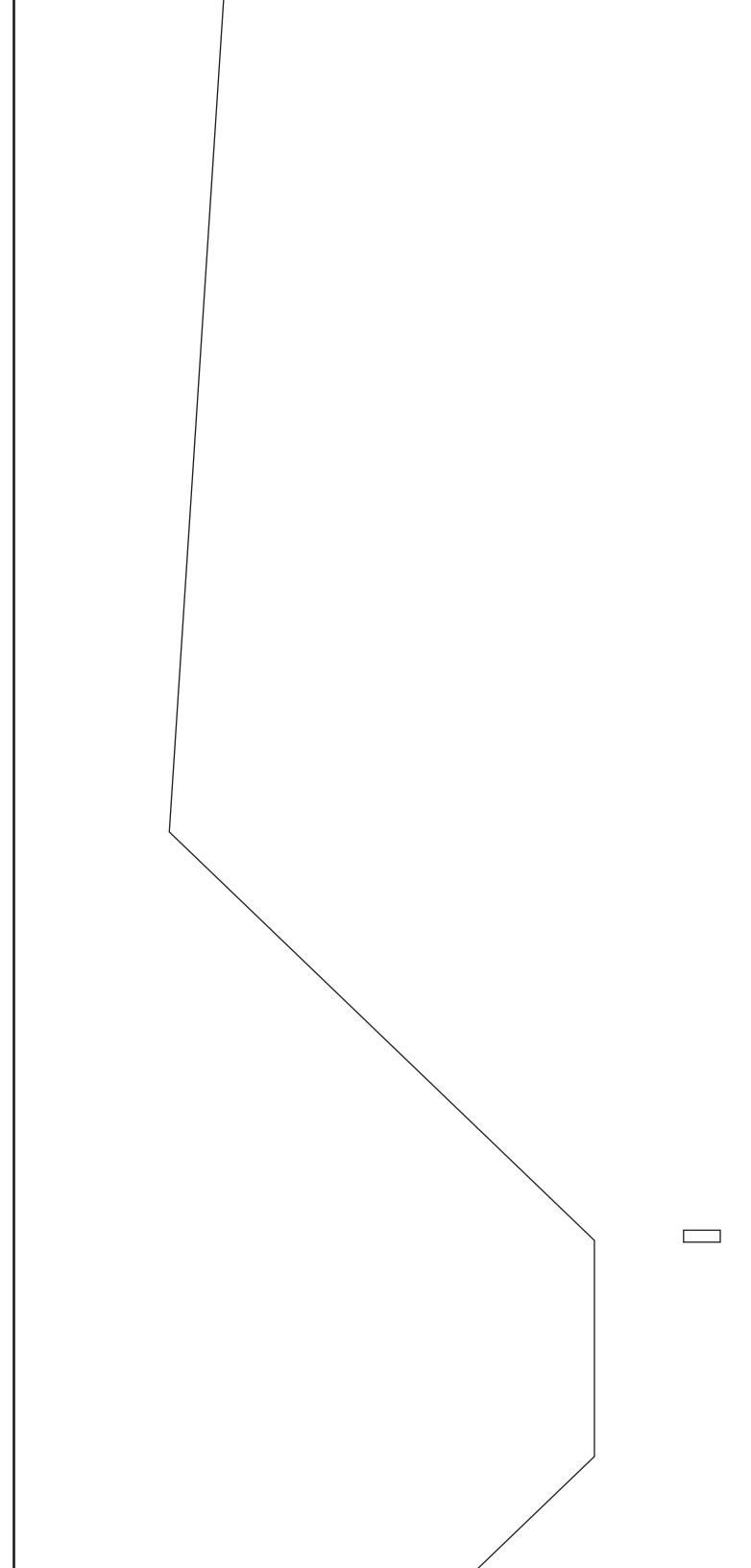
Aileron control horns



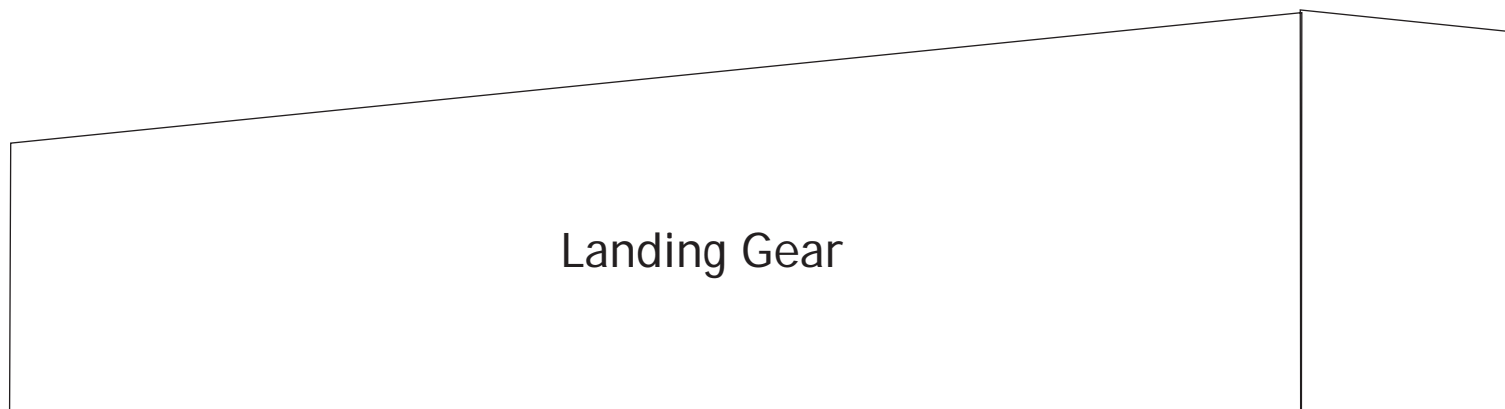


Aileron cut line

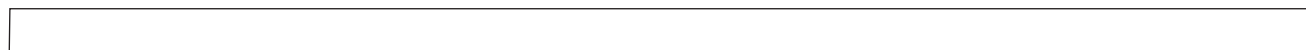
CG



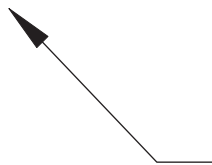
FULL



Landing Gear

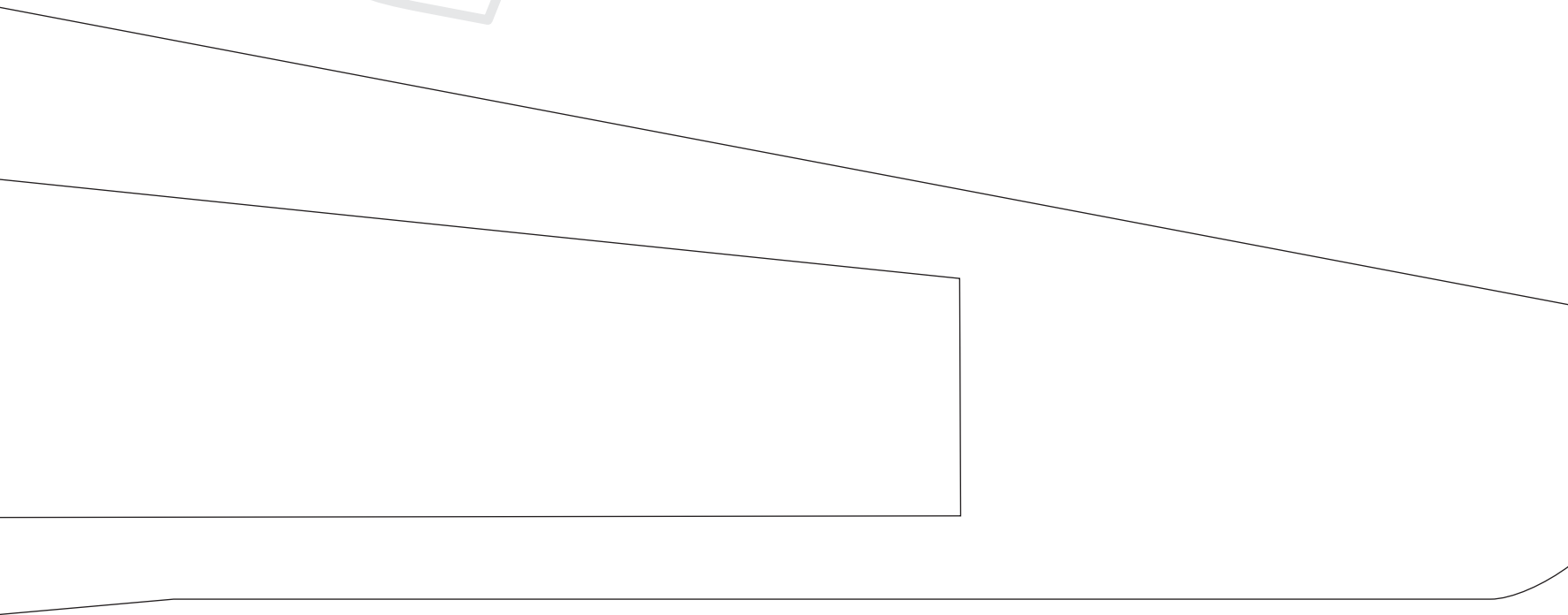


.030 - .040 solid carbon rod (or 3mm flat carbon rod) glued to the trailing edge of the stab right in front of the hinge line for spanwise stiffness

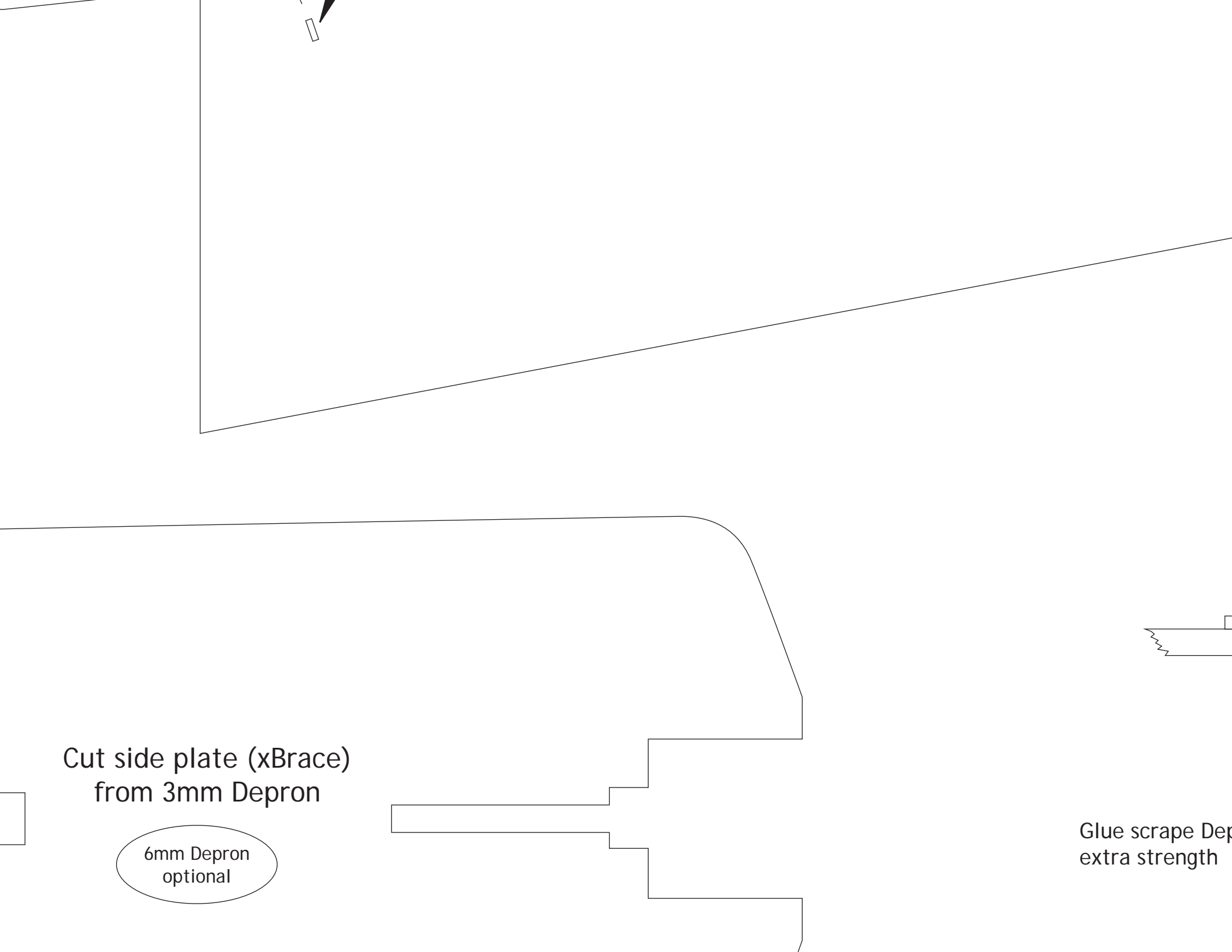


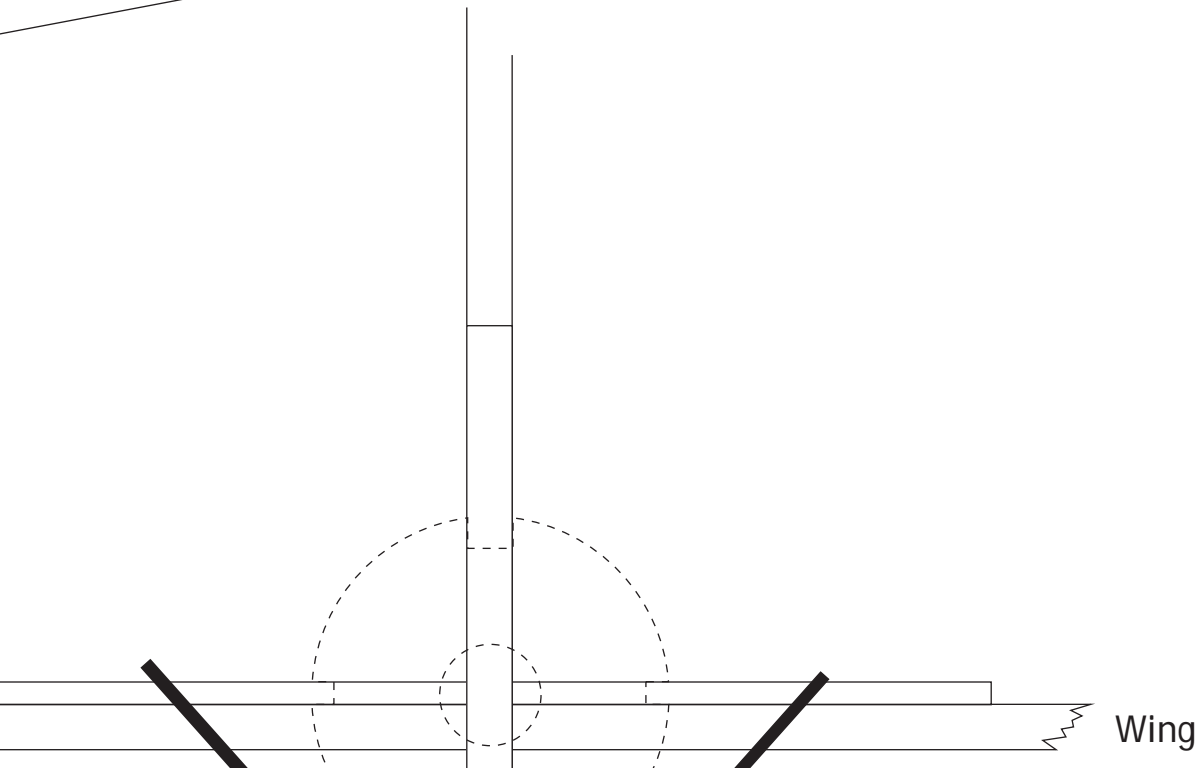
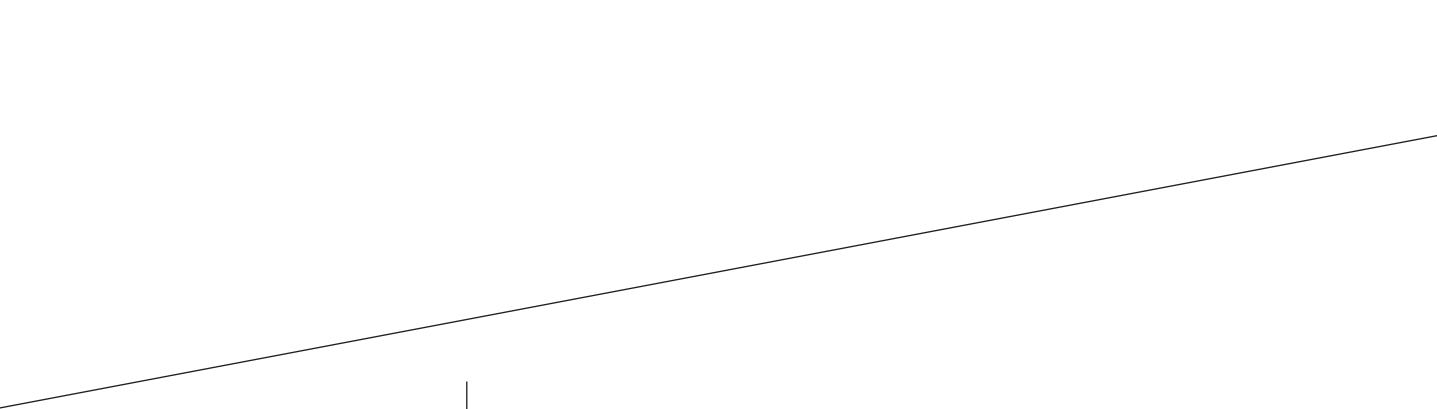
haba

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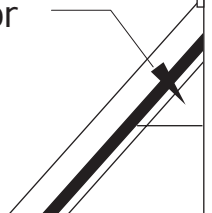








bron triangles for

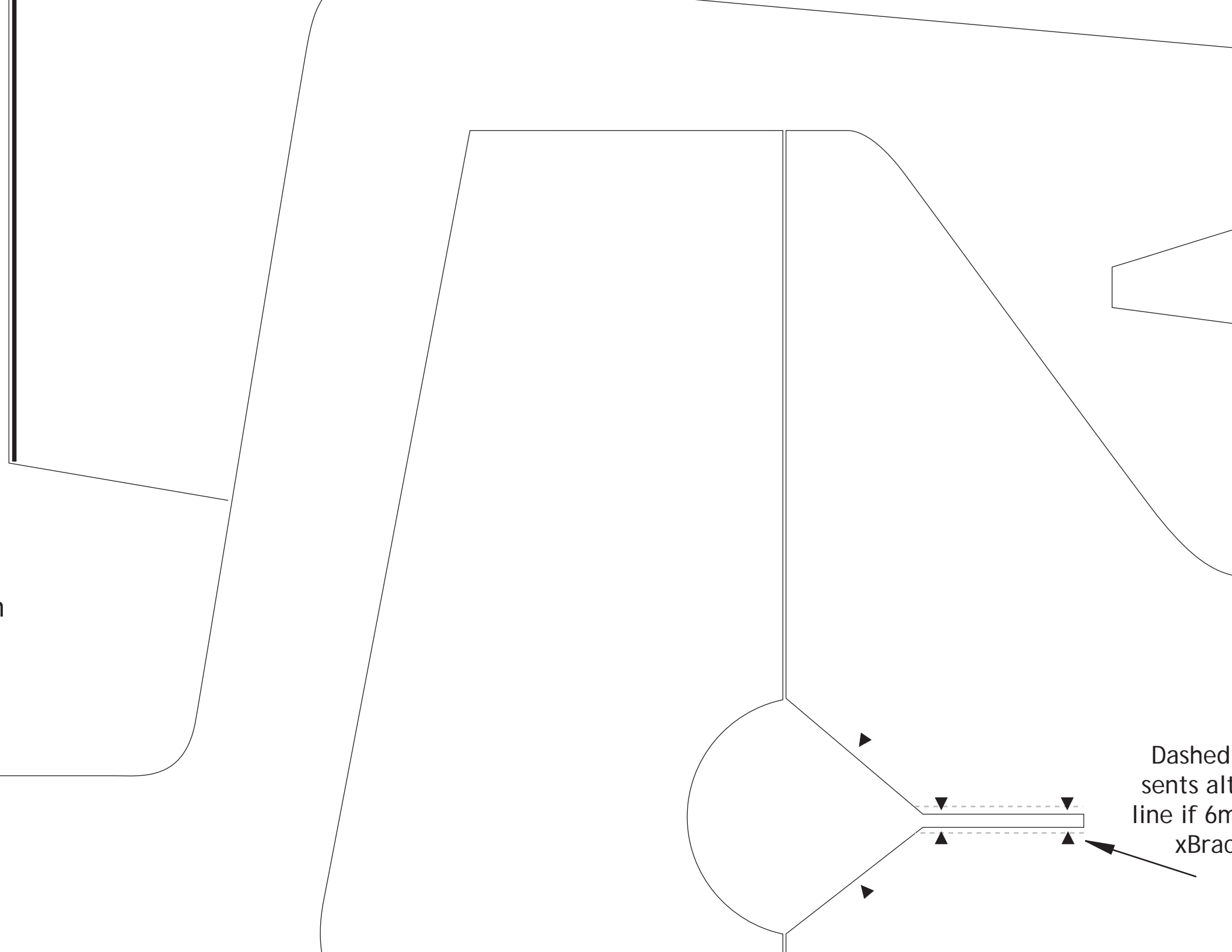


.8mm carbon rod landing gear support/stiffener. Groove foam and glue with order-free (foam friendly) CA or JZ Products Super RC Z 56

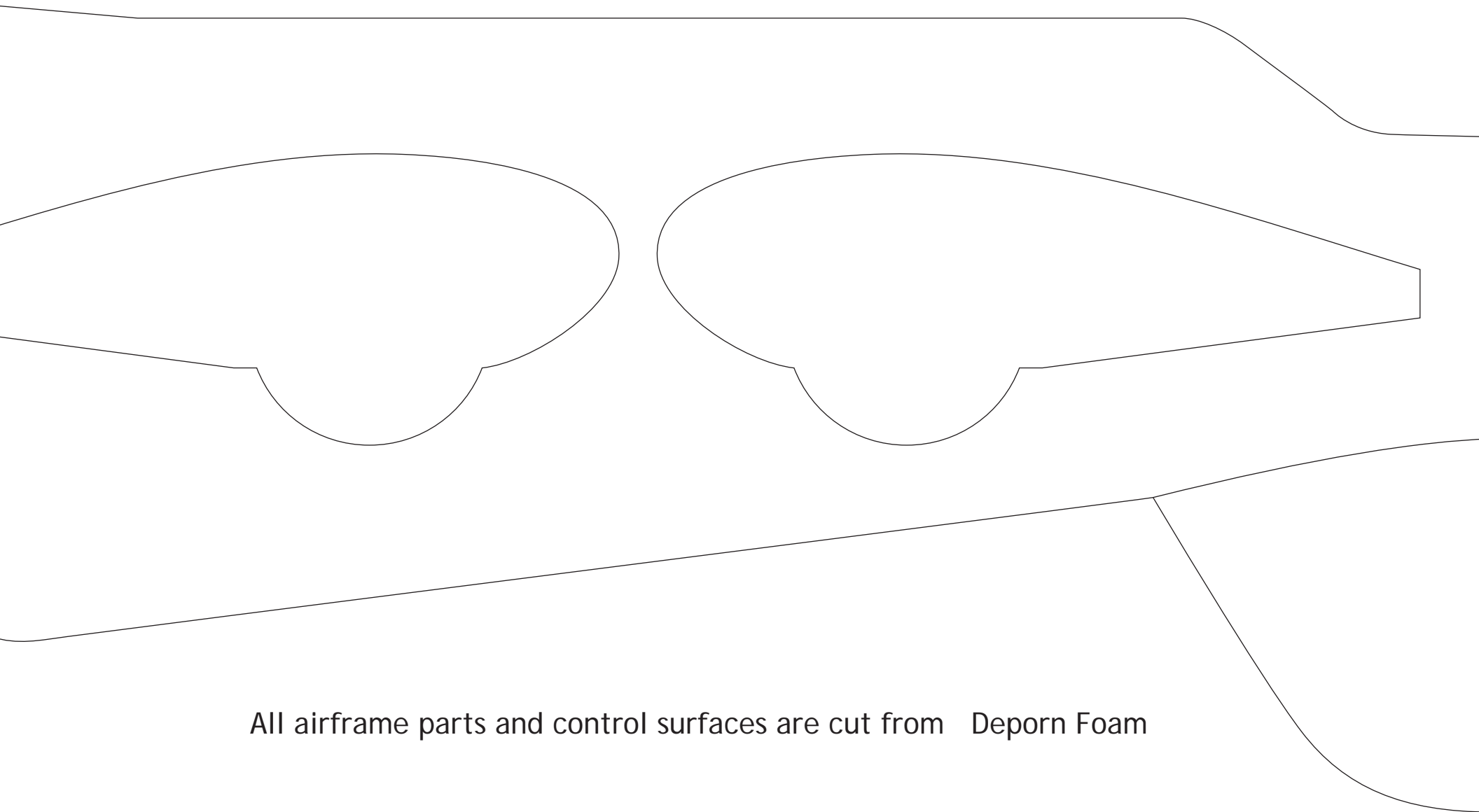




3mm Depron

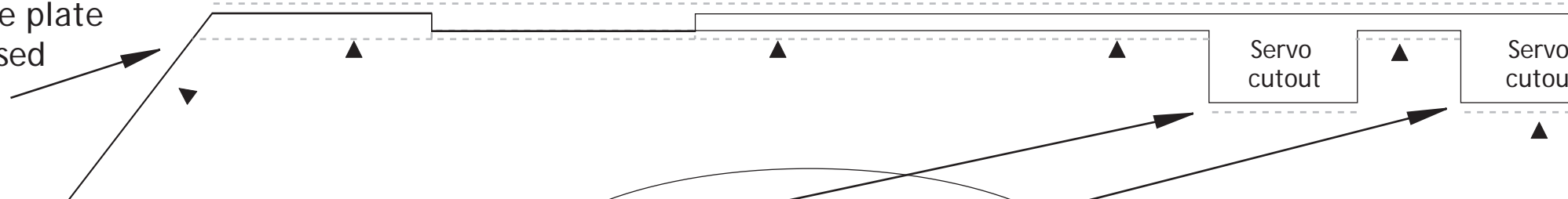


Dashed  
resents alt  
line if 6m  
xBrac

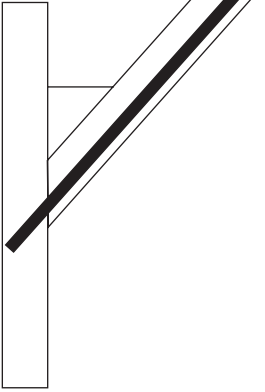


All airframe parts and control surfaces are cut from Deporn Foam

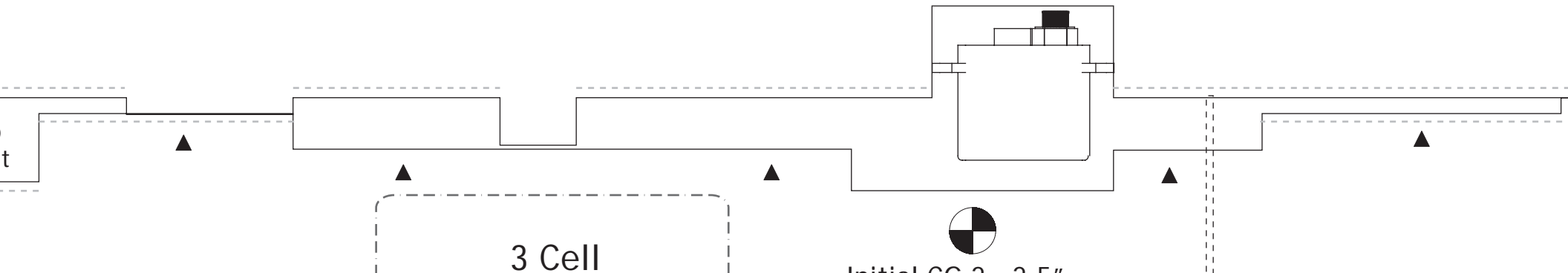
line repre-  
ternitive cut  
mm side plate  
ce is used

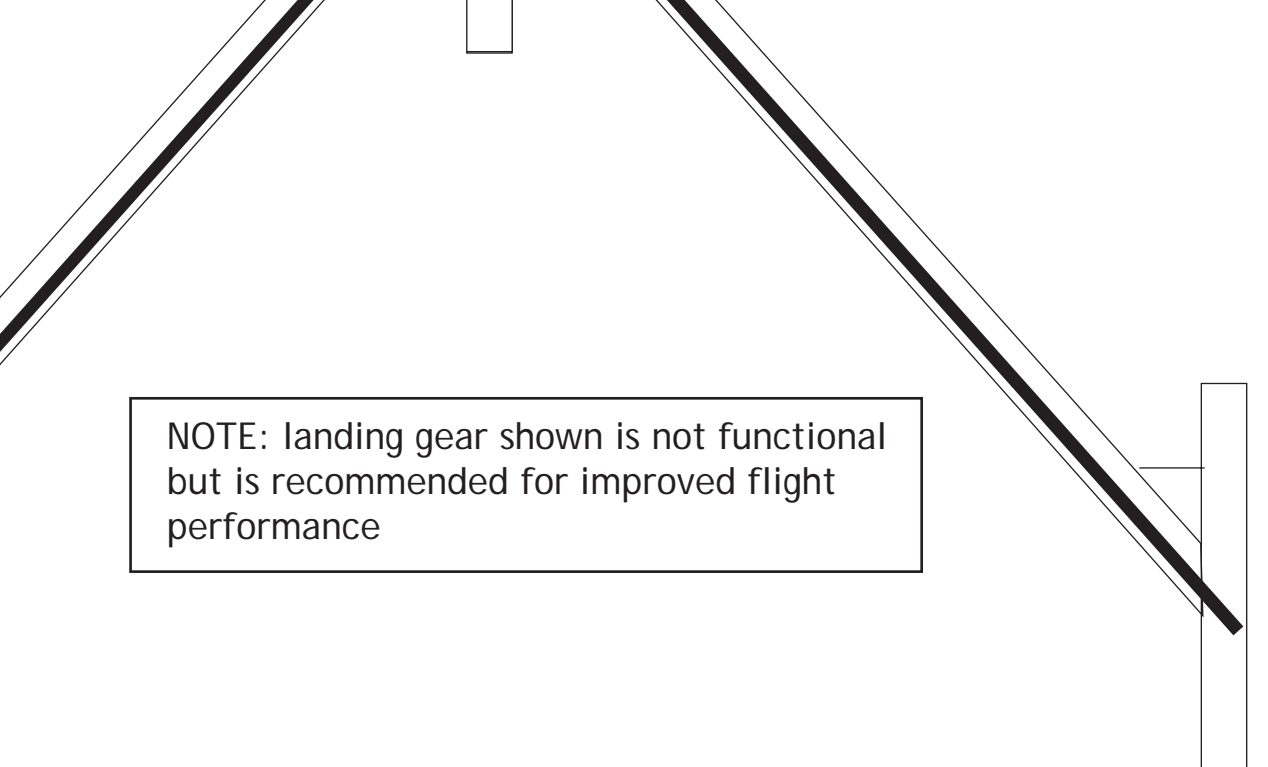


All parts are cut from 6mm Depron unless stated otherwise



Aileron Servo

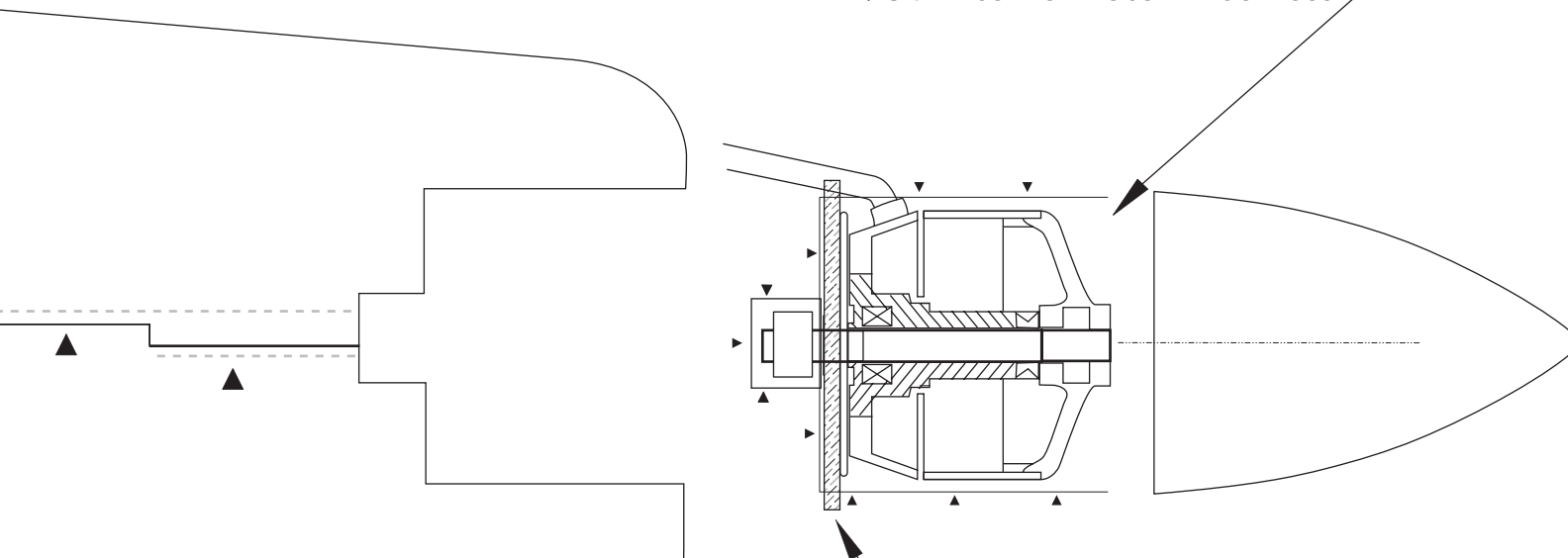


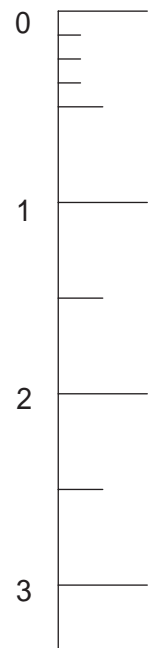


NOTE: landing gear shown is not functional but is recommended for improved flight performance

### 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

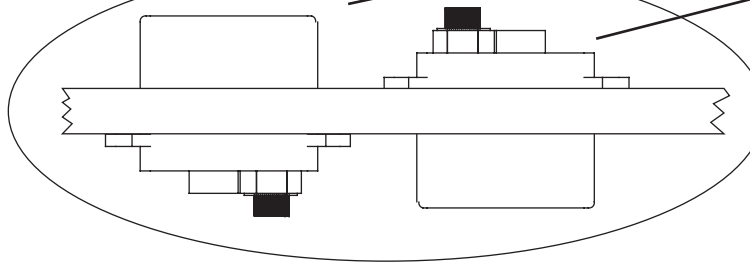
### FLIGHT SYSTEM RECOMMENDATIONS

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



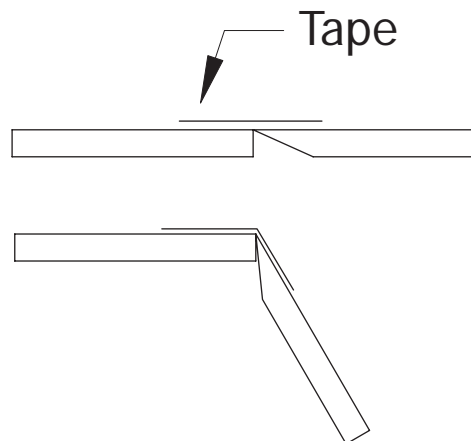
### MATERIALS LIST

### HINGE DETAIL

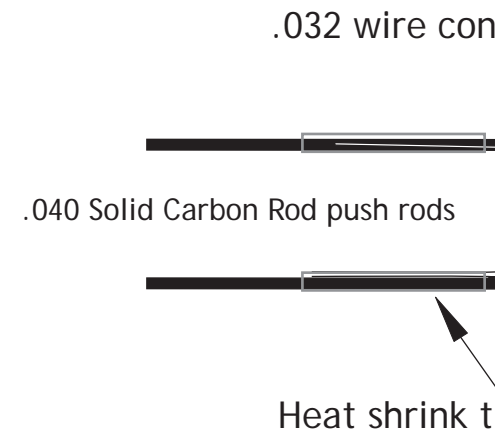
### PUSHR

- \* Depron 6mm/3mm White ([www.depronusa.com](http://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

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.



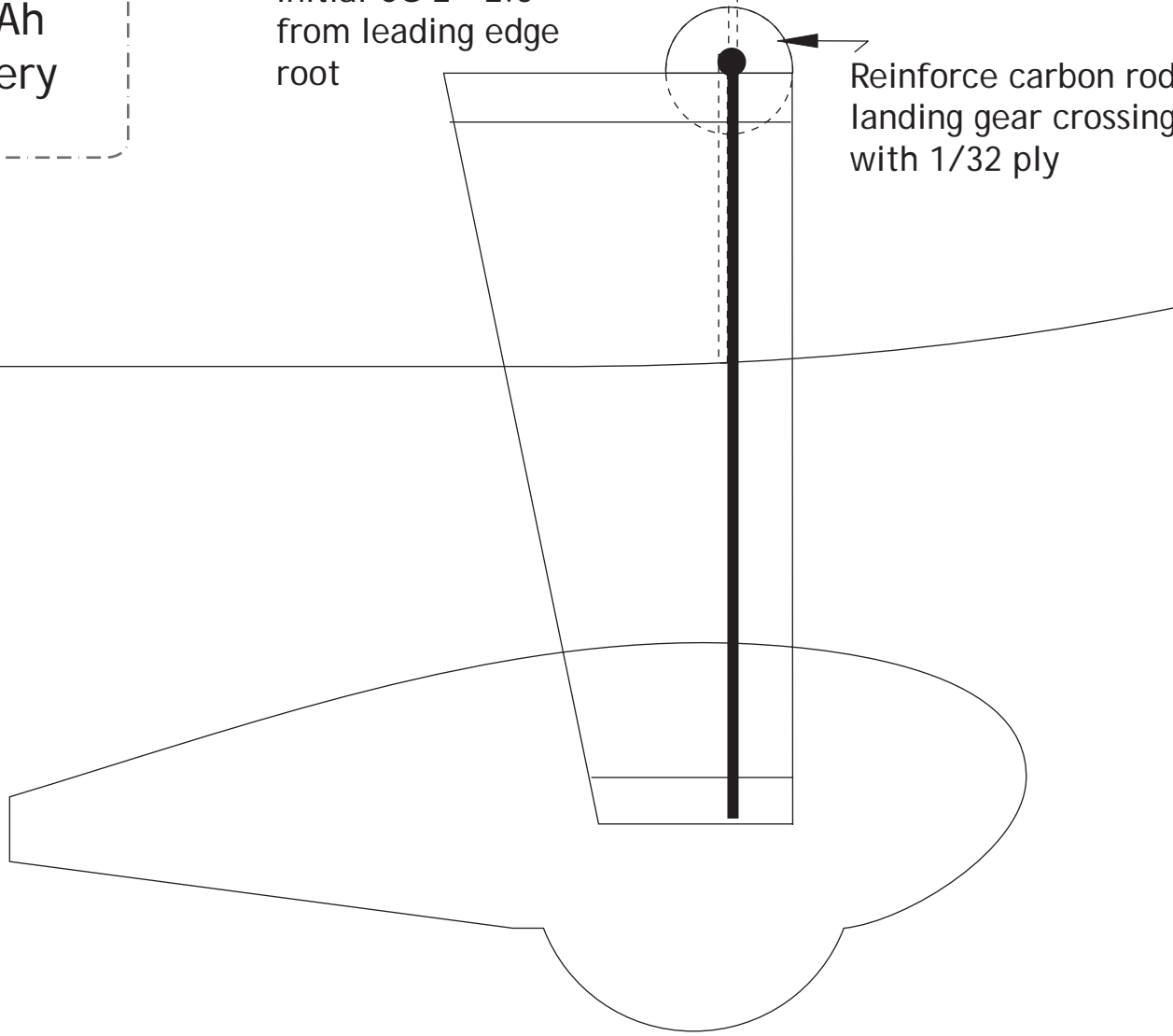
notes cut-lines (▲)

700-1350 mAh  
Li-Poly Battery

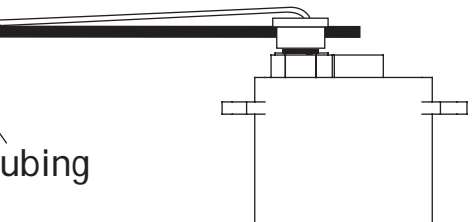
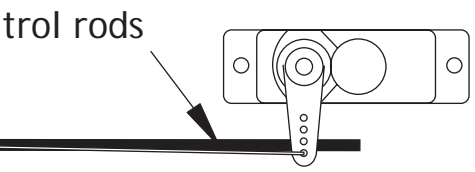
Initial CG 2 - 2.5"  
from leading edge  
root



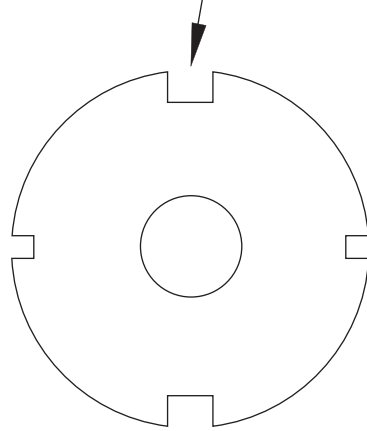
Reinforce carbon rod  
landing gear crossing  
with 1/32 ply



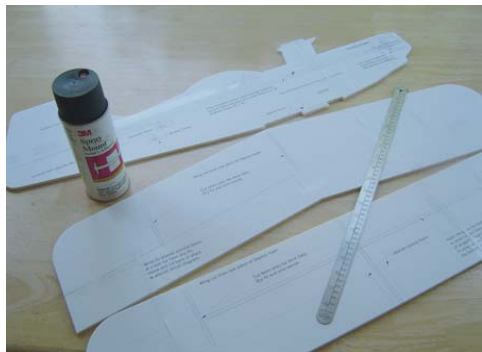
ROD DETAIL



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



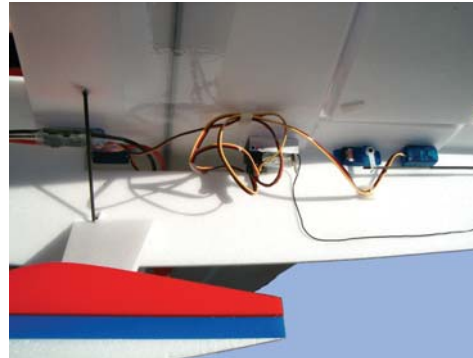
## BUILDING & FINISHING DETIALS



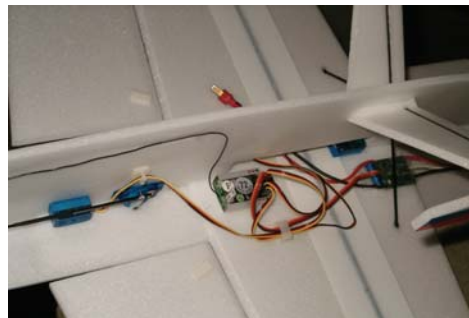
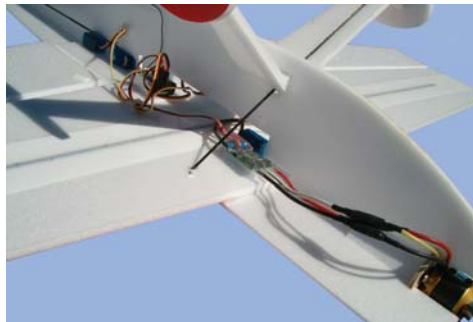
Lightly coat back of plan parts with Spray Adhesive, apply each part to Depron. Carefully cut each part out using a straightedge and #11 Xacto.

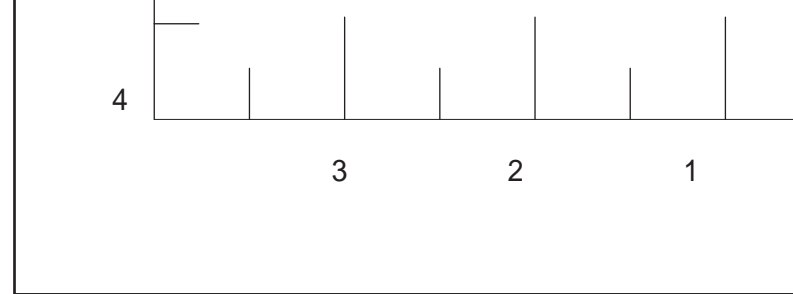


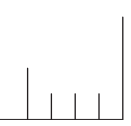
A Rotary Tool Cutting Adapter is perfect for clean easy to make grooves for Fiber Carbon rod stiffeners.



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

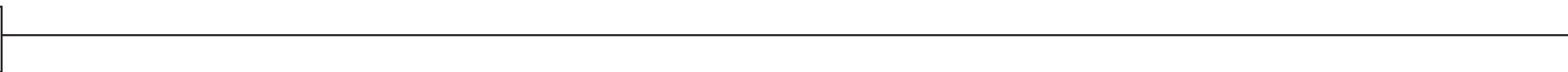






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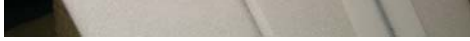
Design by Mickey Crawley - Plans by Steven Gibson







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.