Wing cut from one piece.

4mm carbon fiber tube. Cut wing only and CA or RC-56 in.
Aileron cut line
.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.
Cut side plate (xBrace) from 3mm Depron

6mm Depron optional

Glue scrape Depron 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.
Dashed line if 6m xBrac
All airframe parts and control surfaces are cut from Deporn Foam.
All parts are cut from 6mm Depron unless stated otherwise.
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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>37”</td>
</tr>
<tr>
<td>Length</td>
<td>33.75”</td>
</tr>
<tr>
<td>Weight</td>
<td>12-13oz</td>
</tr>
<tr>
<td>Power</td>
<td>AXI 2212/34</td>
</tr>
<tr>
<td>Prop</td>
<td>GWS 12x4</td>
</tr>
<tr>
<td>Ch.</td>
<td>4</td>
</tr>
<tr>
<td>Battery</td>
<td>3 Cell-700 to 1350mAh-Li-Poly</td>
</tr>
</tbody>
</table>

## 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
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.

*.032 wire control arms
*.040 Solid Carbon Rod push rods
Heat shrink tubing
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
1/8” light plywood radial mount, reinforced with Depron triangle stock on all 4 sides

BUILDING & FINISHING DETAILS

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
* 3M Photomount Spray Adhesive
  (for plan transfer to Depron)
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.