

**Specs:**

**F-15 Park Jet**

**3D FOAMY**

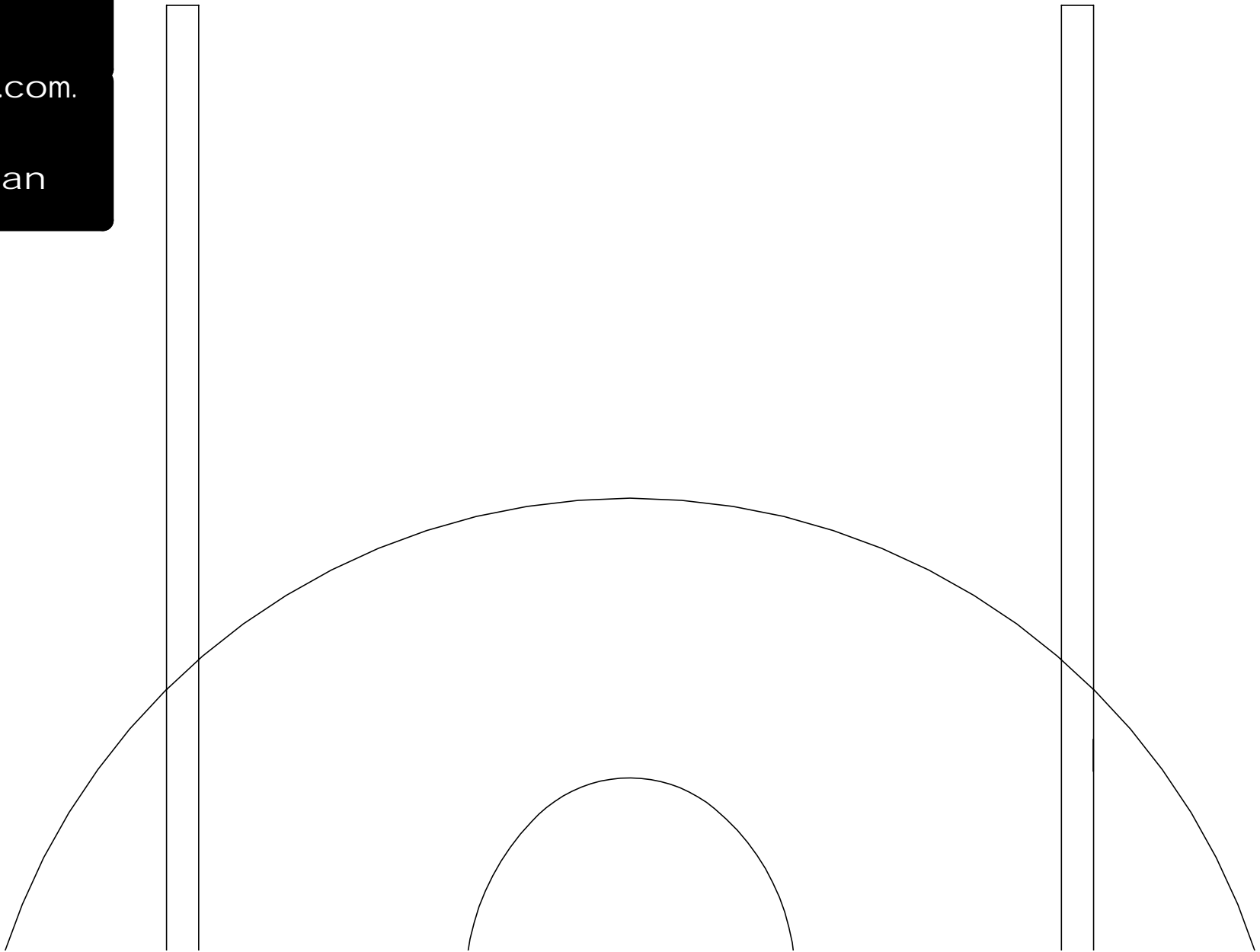
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Designed and Drawn by  
Steve Shumate & Levi J  
Updated: 0/19/2004

|                |                                  |
|----------------|----------------------------------|
| <b>Weight</b>  | <b>14-18 oz.</b>                 |
| <b>Thrust</b>  | <b>14-24 oz.</b>                 |
| <b>Radio</b>   | <b>4-5 Chanel</b>                |
| <b>Area</b>    | <b>289.7 in<sup>2</sup></b>      |
| <b>Loading</b> | <b>6.5-8.6 oz/ft<sup>2</sup></b> |

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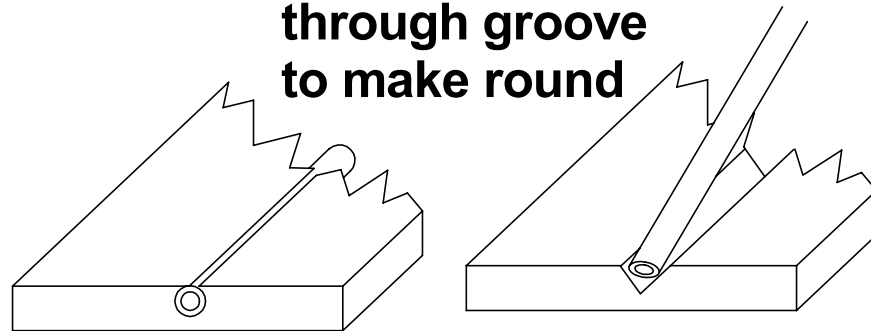
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**Cut a "V" groove  
in foam for  
spars. Pull spar  
through groove  
to make round**

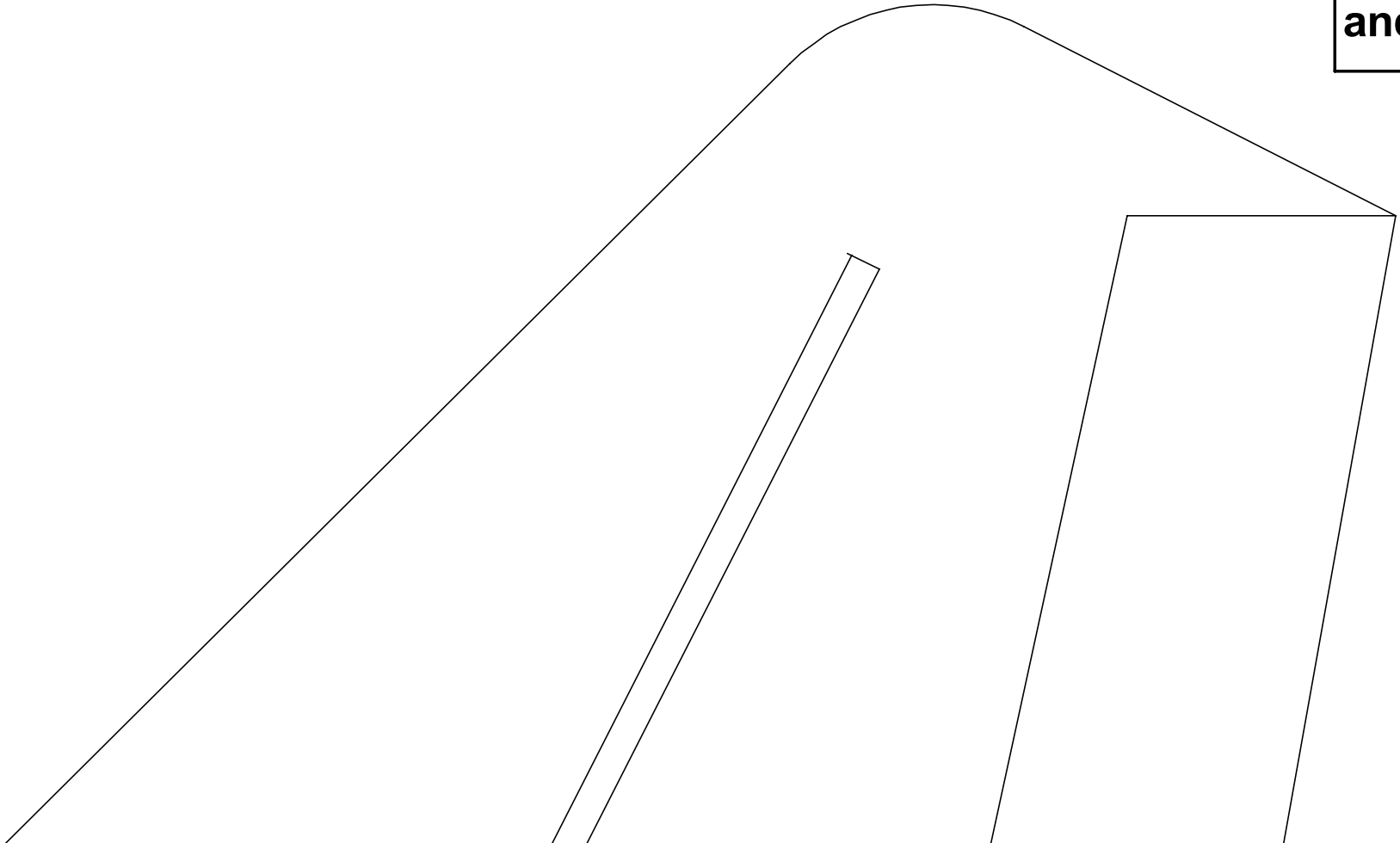


## **CG INFO**

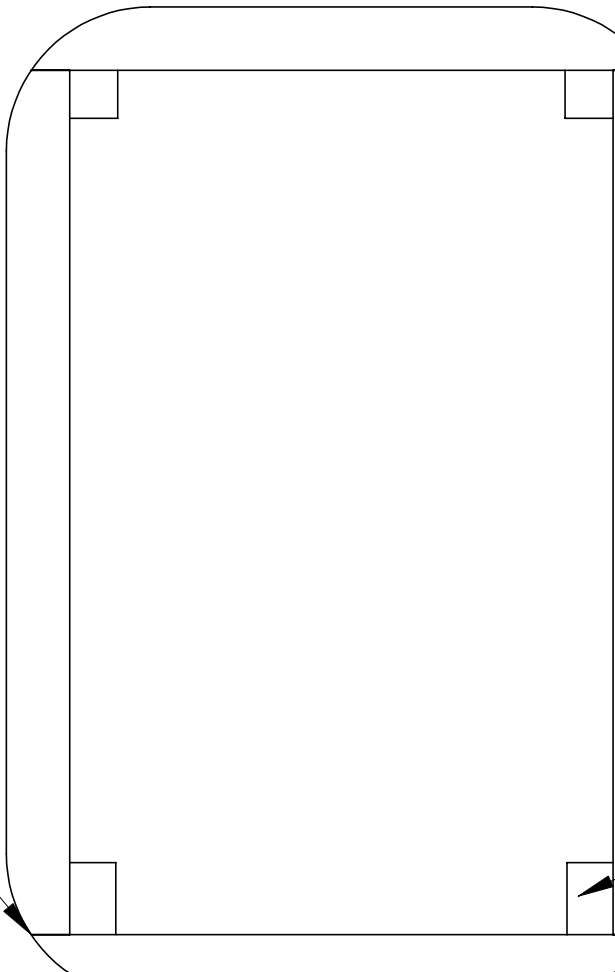
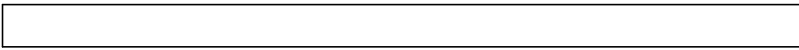
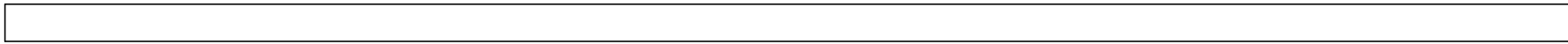
**Start with the recommended  
CG range. You can adjust it  
further back as you become  
more familiar with the jet.**

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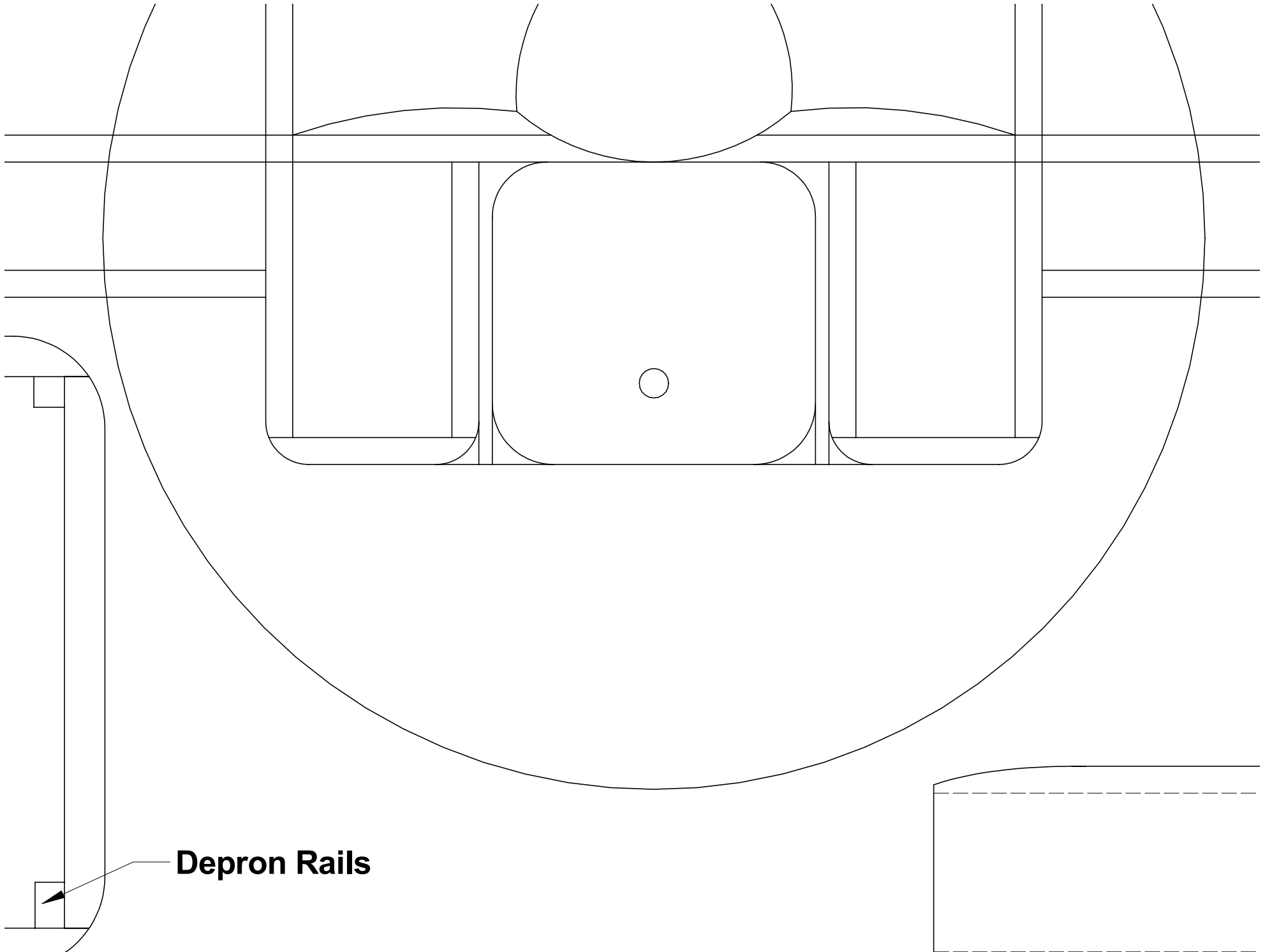
**All hinging  
tape or ac  
points ep  
and contr**



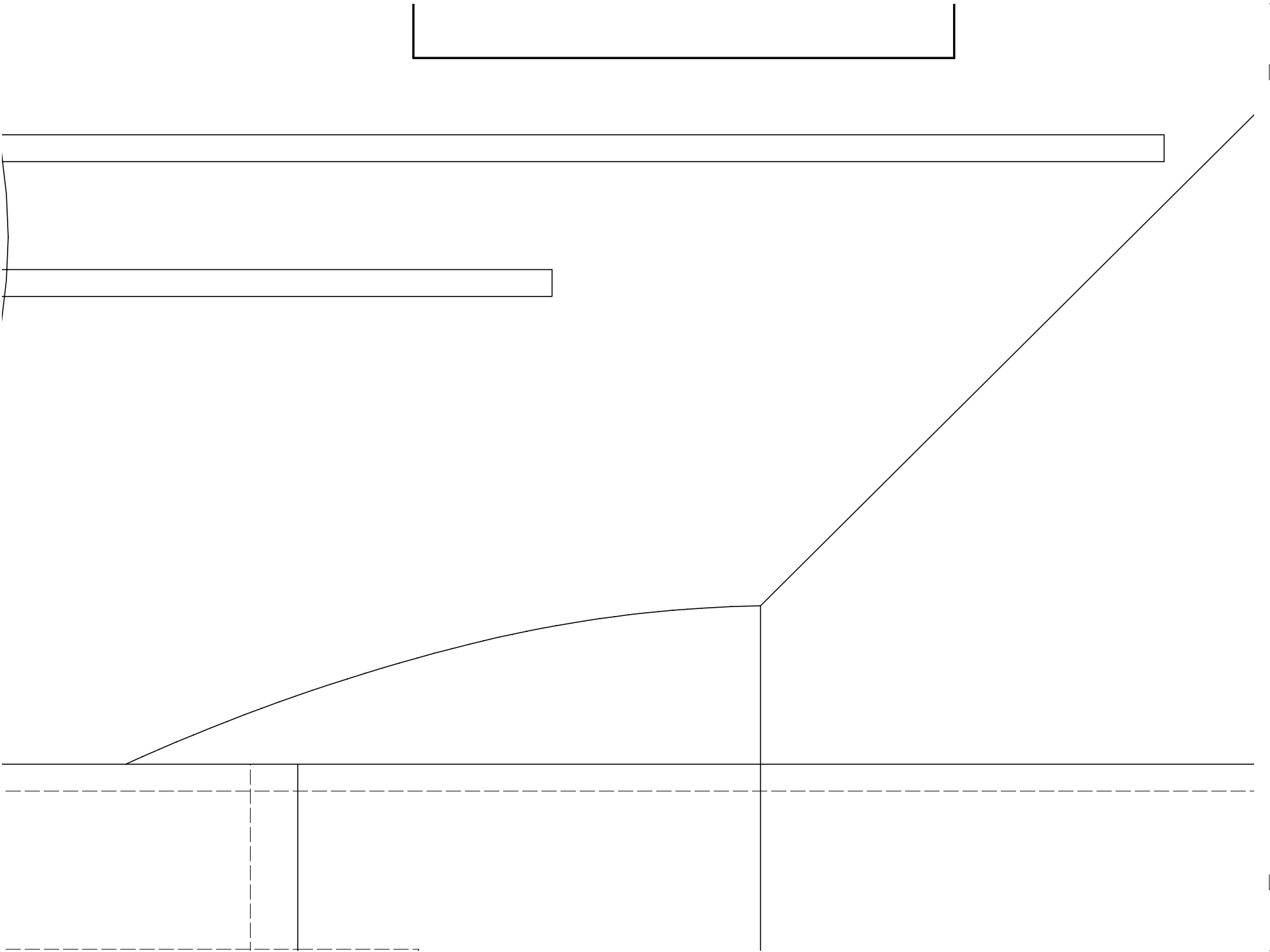
**ing for control surfaces can be packing  
or actual hinges. I prefer robart hinge  
s epoxied in place for the added longevity  
ontrol freeness. CA hinges work well also.**



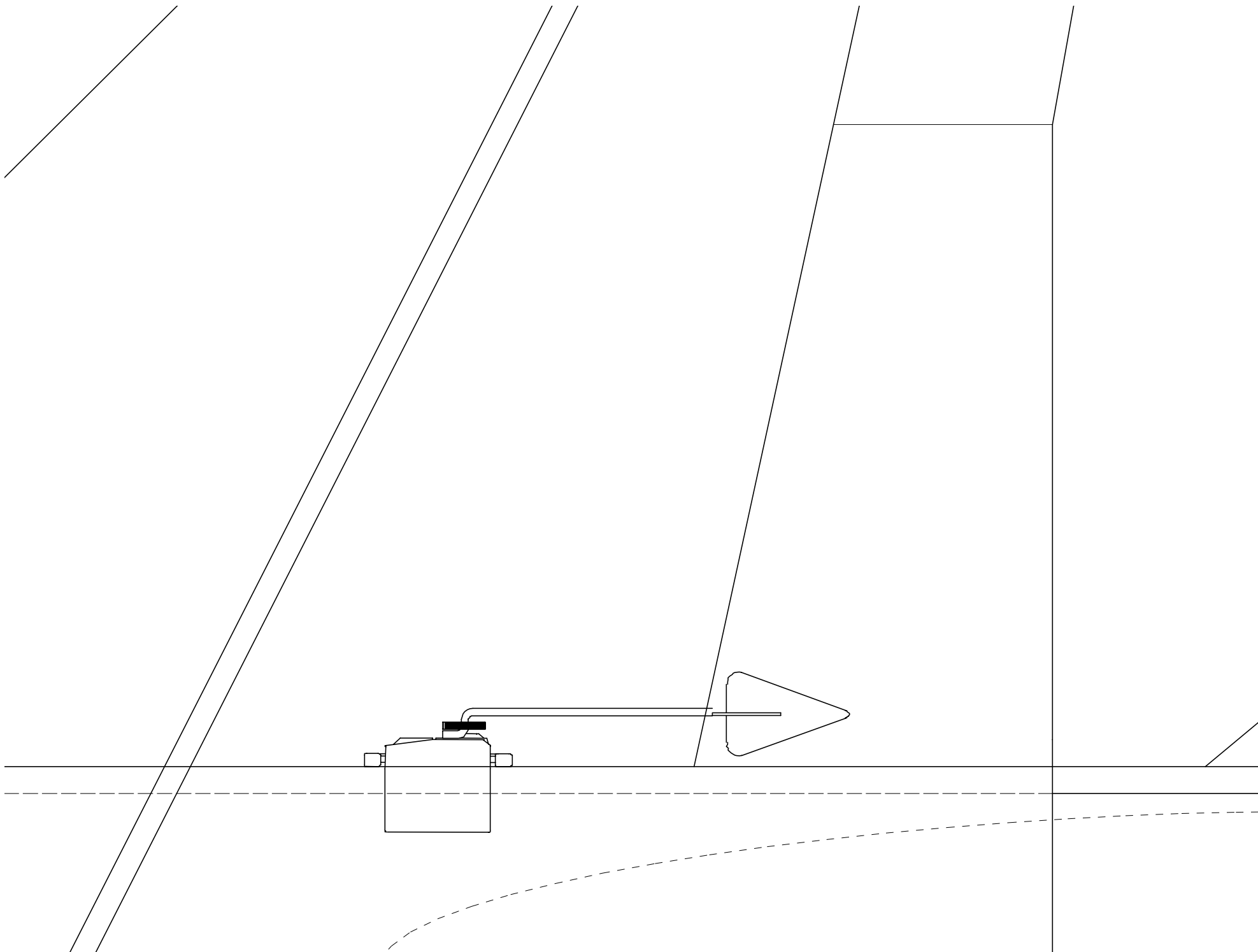
**Sand the fuselage corners round  
with 80 grit sand paper,  
then finish smooth with 200 and 400**

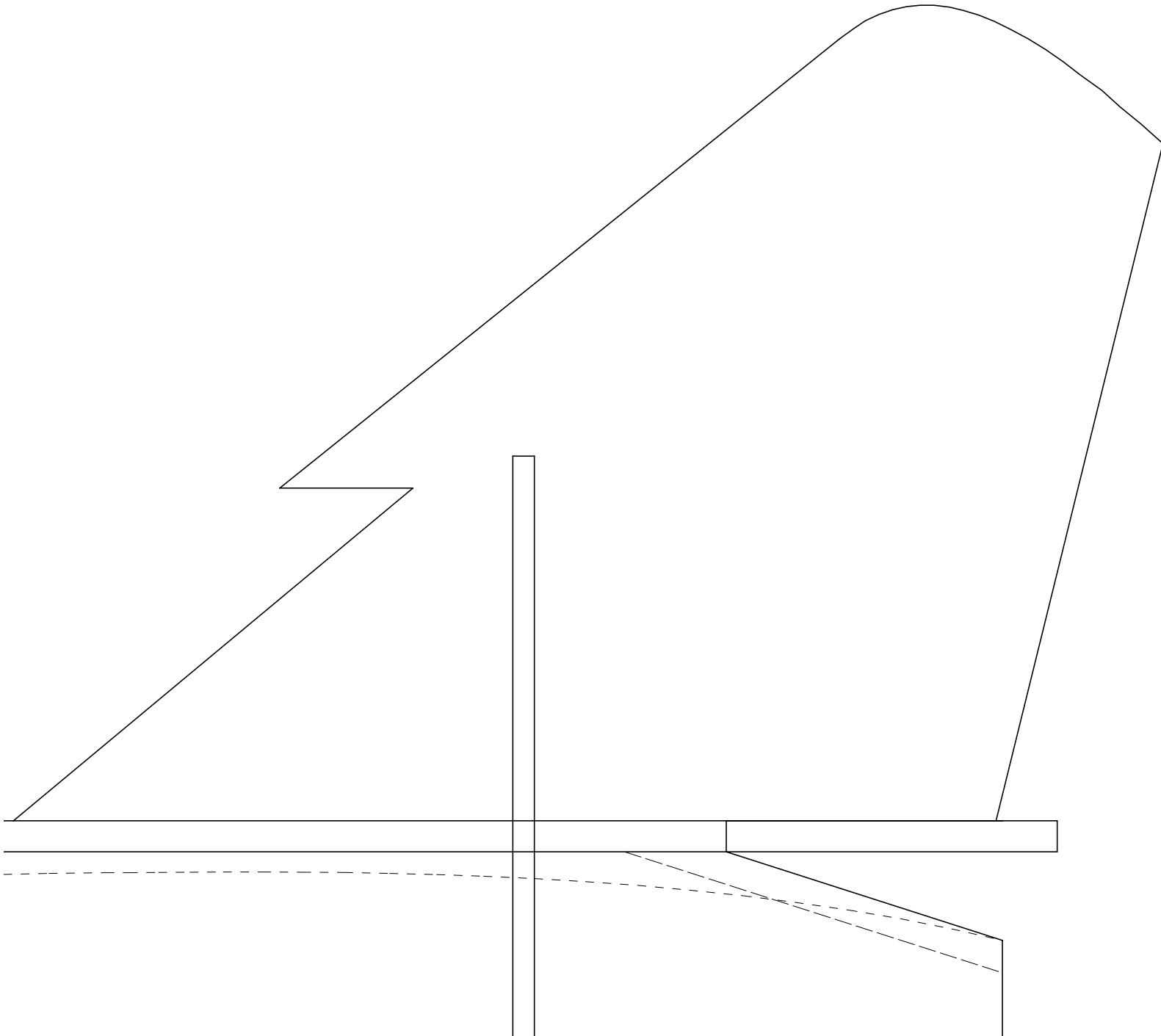


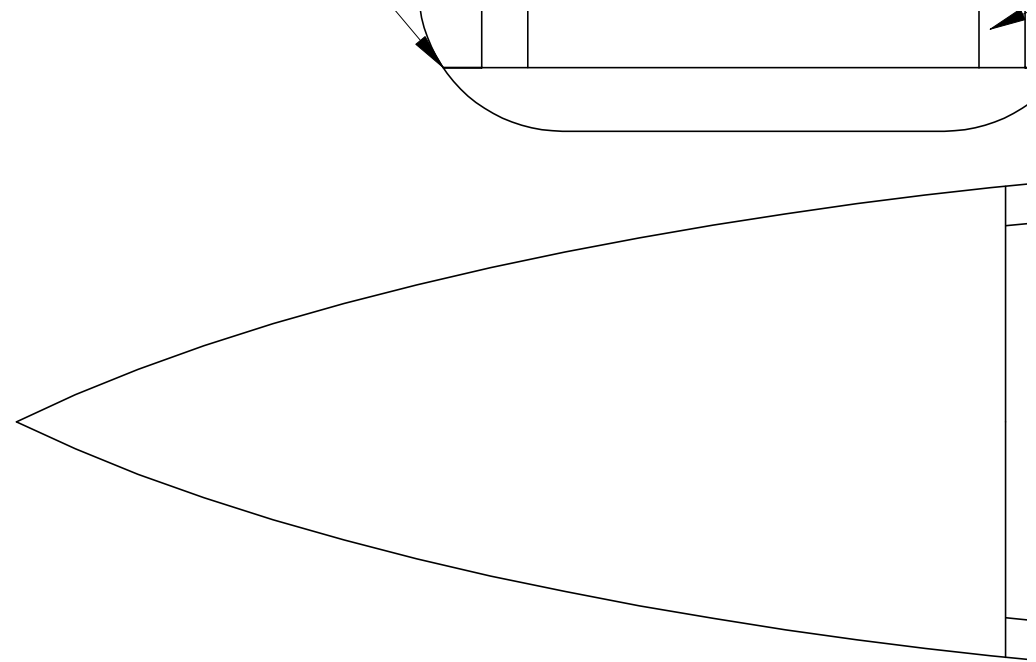
**Depron Rails**





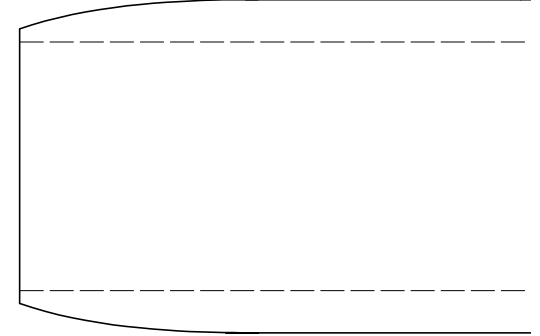
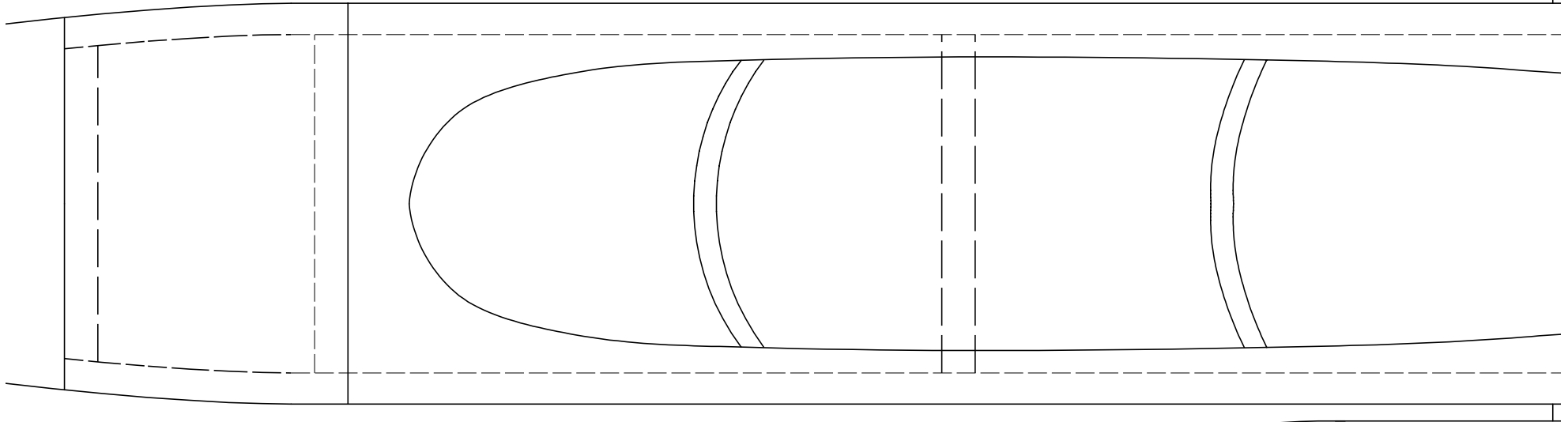
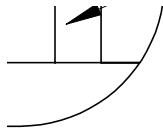




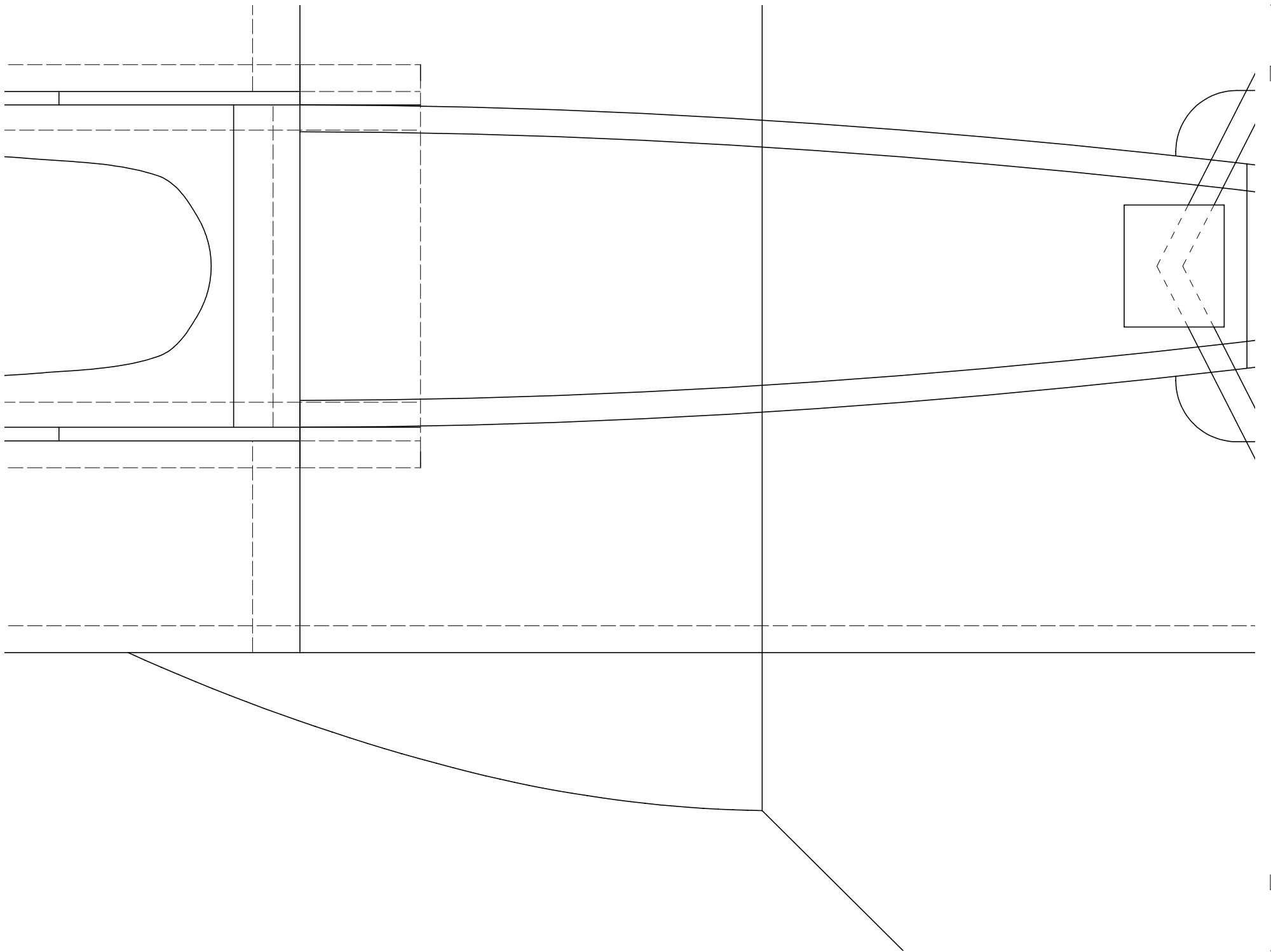


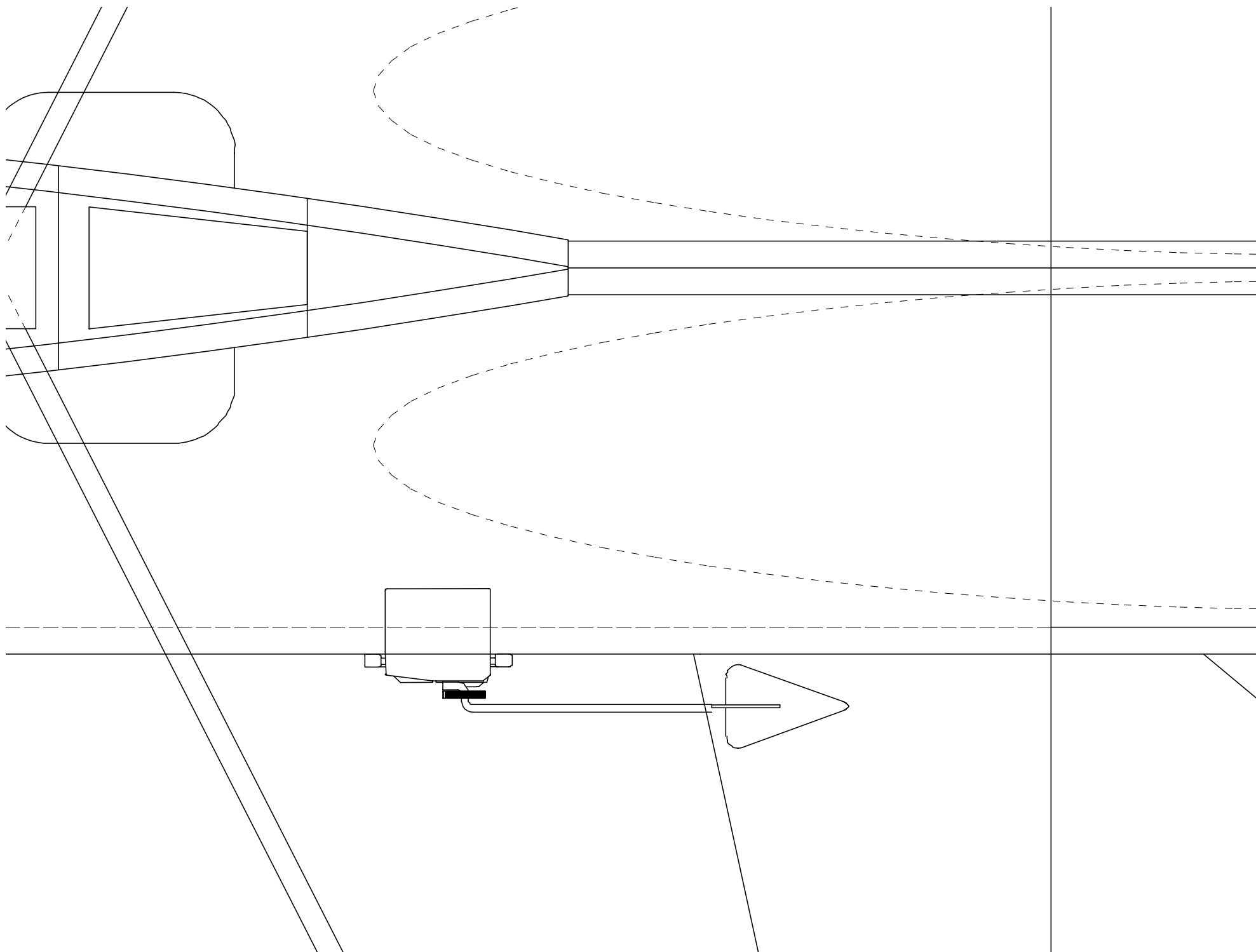
#1

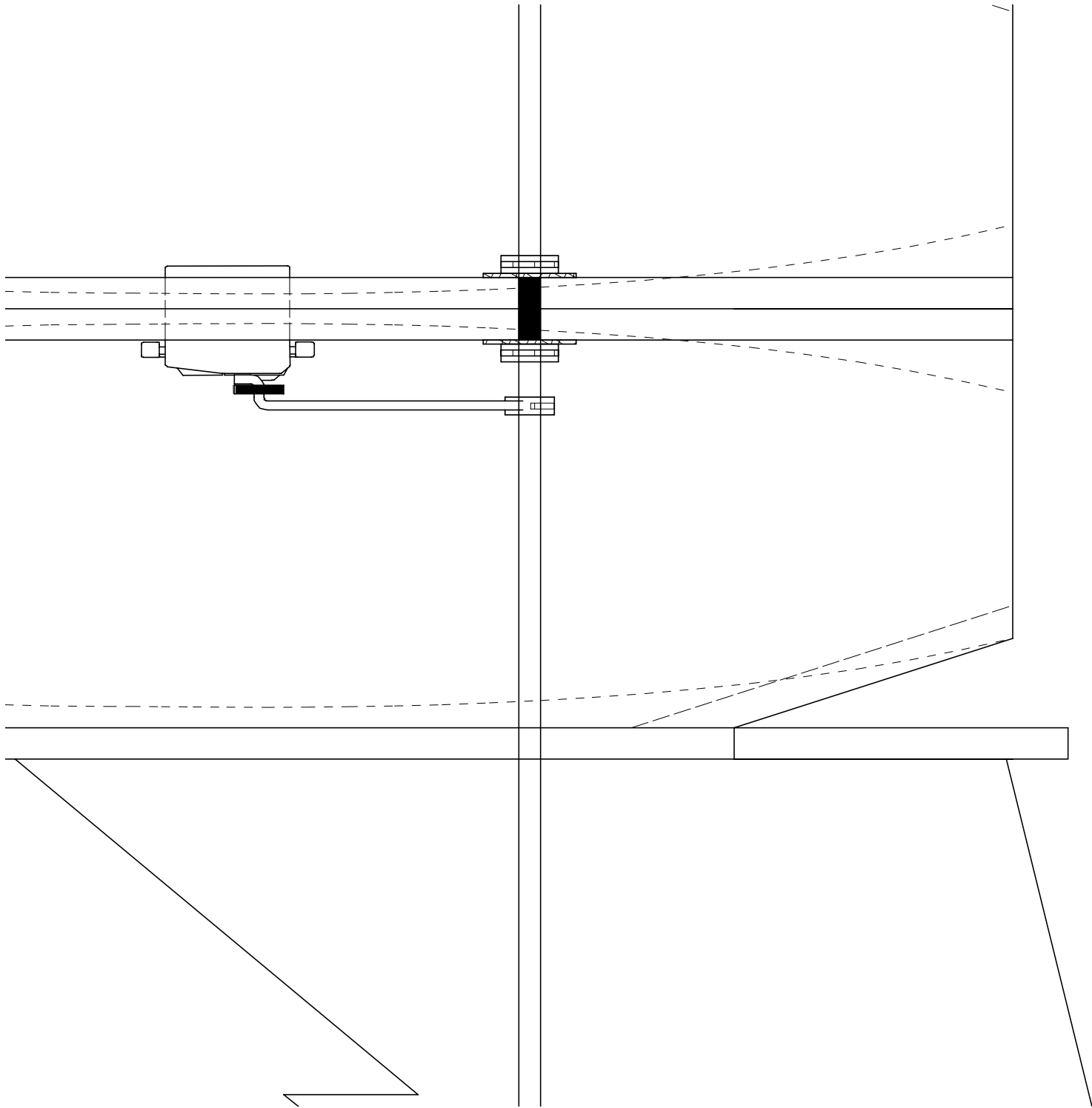
| Motor            | Gearing | Prop | Batt<br>Amps | Watts/lb | S<br>thru |
|------------------|---------|------|--------------|----------|-----------|
| GWS EPS-350      | 5.33    | 8x6  | 9.7          | 93.2     | ✓         |
| "                | "       | 9x6  | 12.1         | 113.0    | ✓         |
| Himaxx 2015-4100 | 4.43    | 9x6  | 11.6         | 108.7    | ✓         |
| "                | "       | 9x7  | 12.4         | 115.8    | ✓         |
| "                | 3.75    | 9x6  | 14.2         | 129.2    | ✓         |
| "                | "       | 9x7  | 15.0         | 135.0    | ✓         |
| Himaxx 2015-5400 | 5.33    | 9x6  | 12.9         | 118.7    | ✓         |
| "                | "       | 9x7  | 13.8         | 126.1    | ✓         |



| Static thrust, oz | Pitch speed, mph | Comments  |
|-------------------|------------------|---|
| 14.4              | 48.7             | Max amps and watts with GWS brushed motor for reasonable life |
| 18.5              | 43.4             | VERY hard on motor  |
| 18.9              | 43.8             | Pitch speed slow  |
| 18.3              | 49.2             | Great combo   |
| 20.0              | 45.0             |   |
| 18.9              | 50.0             |   |
| 20.0              | 45.0             |   |
| 19.2              | 50.5             | Great combo   |







|              |        |       |      |       |  |
|--------------|--------|-------|------|-------|--|
| 5400         | 5.33   | 9x6   | 12.9 | 118.7 |  |
| "            | "      | 9x7   | 13.8 | 126.1 |  |
| "            | 4.43   | 8x6   | 13.4 | 122.7 |  |
| Axi 2212/20  | NA     | 8x6   | 13.6 | 124.5 |  |
| "            | "      | 9x6   | 15.4 | 138.3 |  |
| Mega 16-15-5 | Direct | 6.5x4 | 15.3 | 126.1 |  |
| Razor RZ350  | 4.43   | 8x6   | 9.2  | 89.1  |  |
| "            | "      | 9x7   | 13.2 | 122.7 |  |

## Prototype Setup/Specs

**Wing area: 289 sq in (effective area, which includes)**

**Span: 28.4 in**

**Length: 41.7 in**

**Weight RTF: 15.6 oz as shown**

**Wing loading: 8.2 oz/ft<sup>2</sup> (based on effective wing area)**

**Motor: GWS EPS-350 with "C" gearing**

**Battery: 11.1V 1200 mAh Lipo**

**Prop: GWS 8x6 SF**

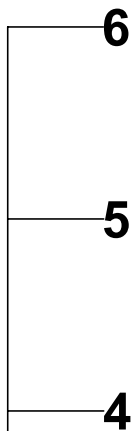
**Current draw: 9.7 amps**

**Power loading: 101 watts/lb**

**Radio equipment: GWS R-6 receiver, GWS Pico 2**

**Flight controls: Wing flaperons, full-flying horizontal stabilizer**

**Materials used: Either 6mm Depron or BlueCore**





|      |      |                                    |
|------|------|------------------------------------|
| 20.0 | 45.0 |                                    |
| 19.3 | 50.5 | Great combo                        |
| 17.1 | 53.1 |                                    |
| 15.6 | 51.3 |                                    |
| 18.2 | 43.3 | Pitch speed slow                   |
| 17.7 | 56.9 |                                    |
| 14.7 | 49.2 | Least current for good performance |
| 19.7 | 51.1 | Great combo                        |

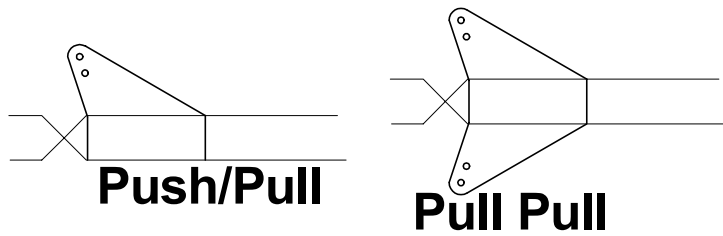
**S**

**includes the effect of the wing strakes)**

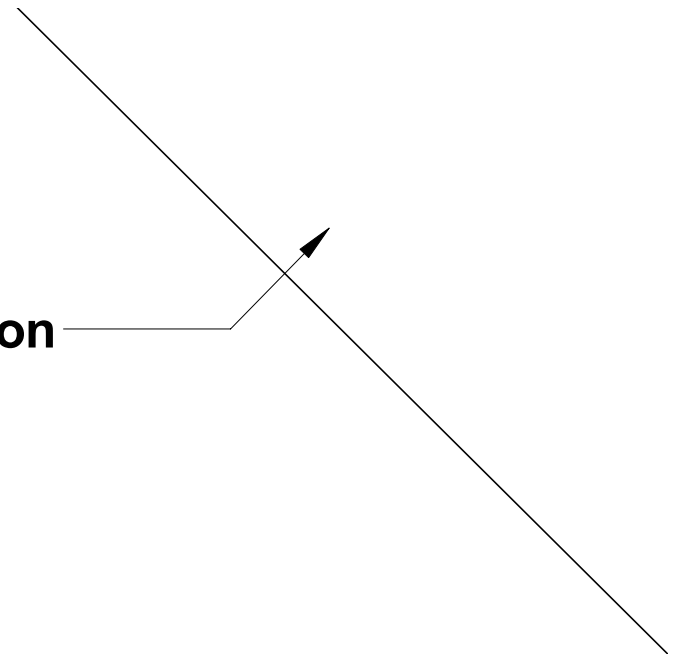
**wing area)**

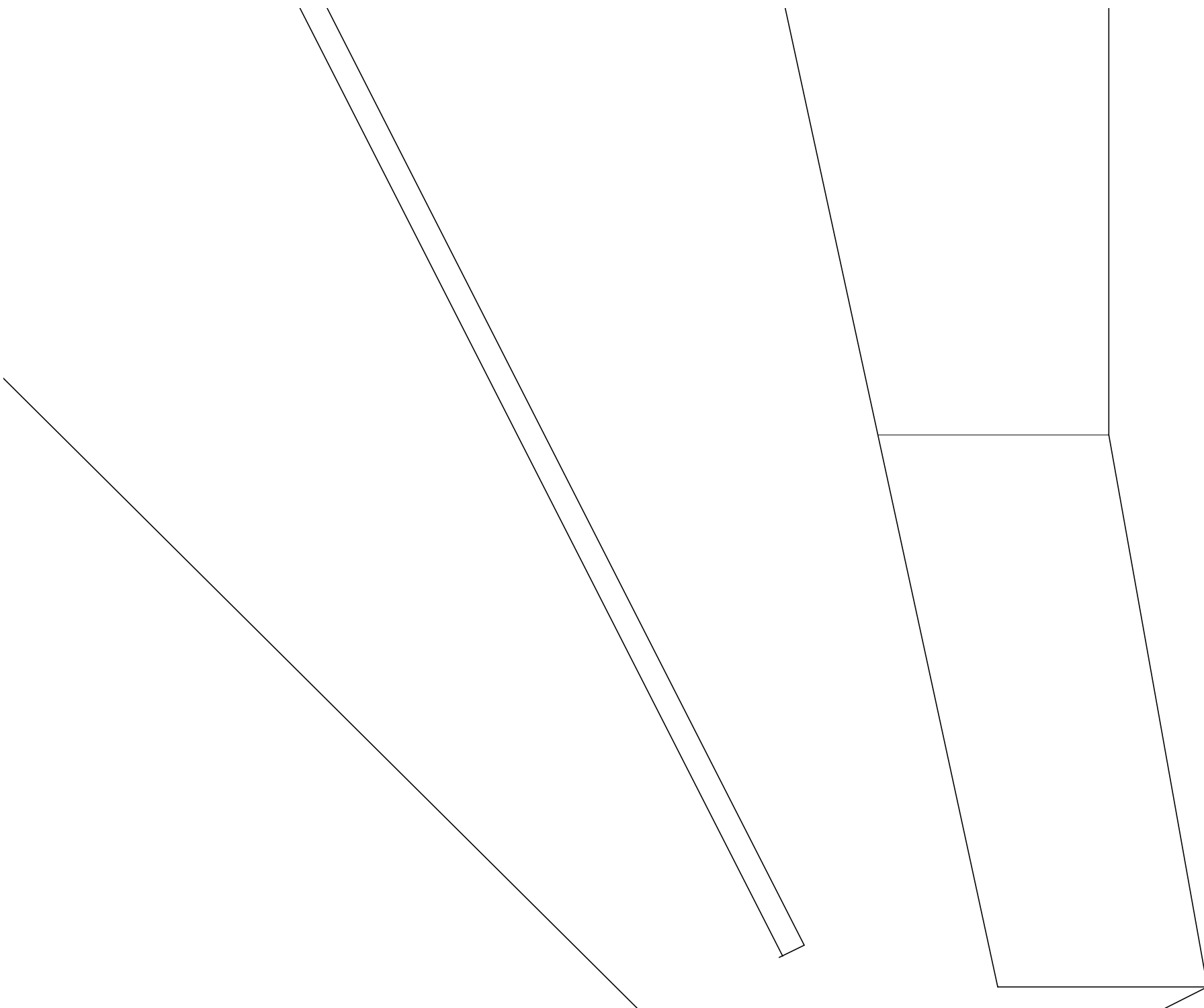
**ico and Hitec HS-55 servos, 10 amp ESC  
 orizontal stabilizer, twin rudders  
 core fan fold foam**

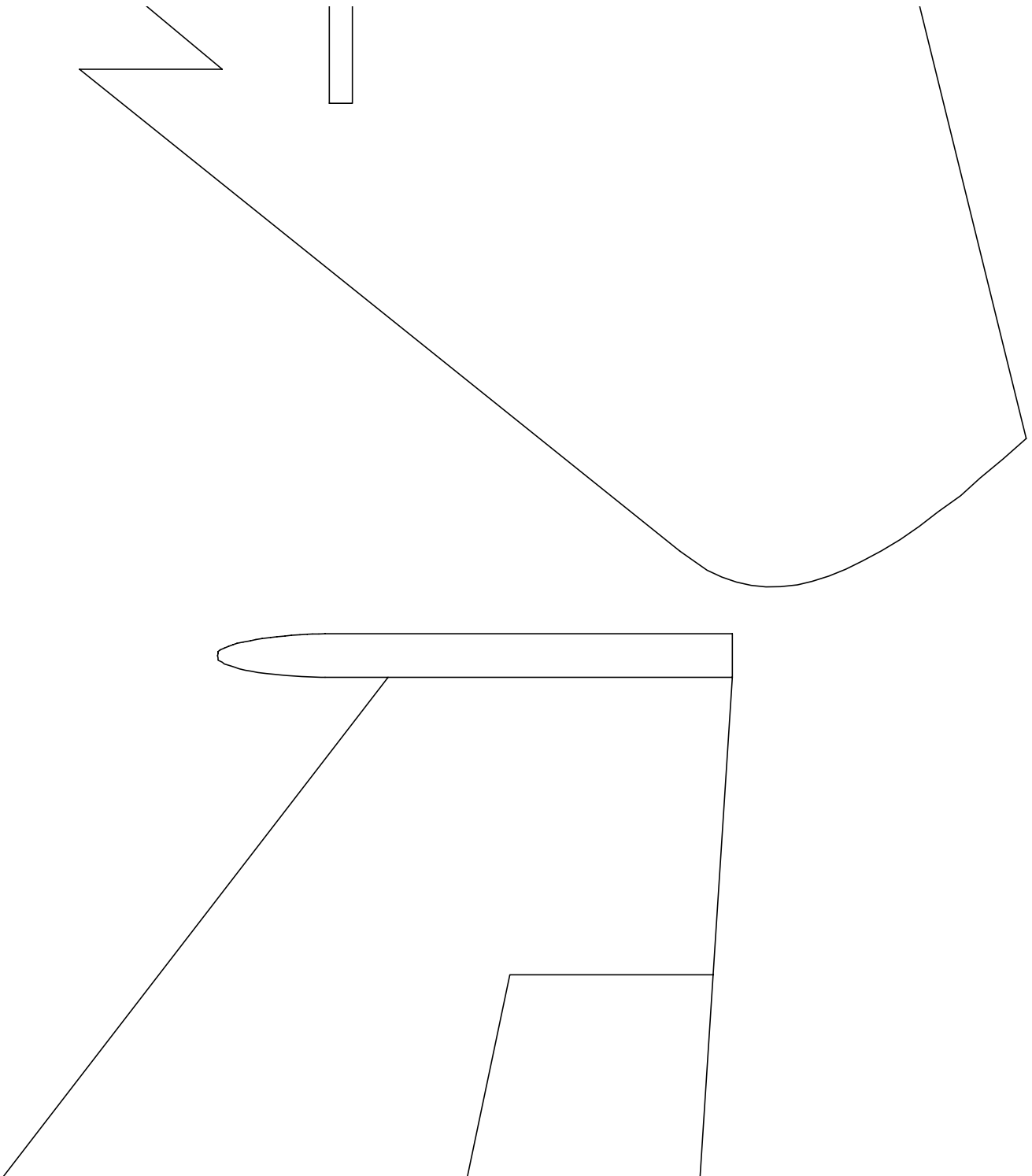
**Round LE, apply 3M 1" Satin tape for protection**



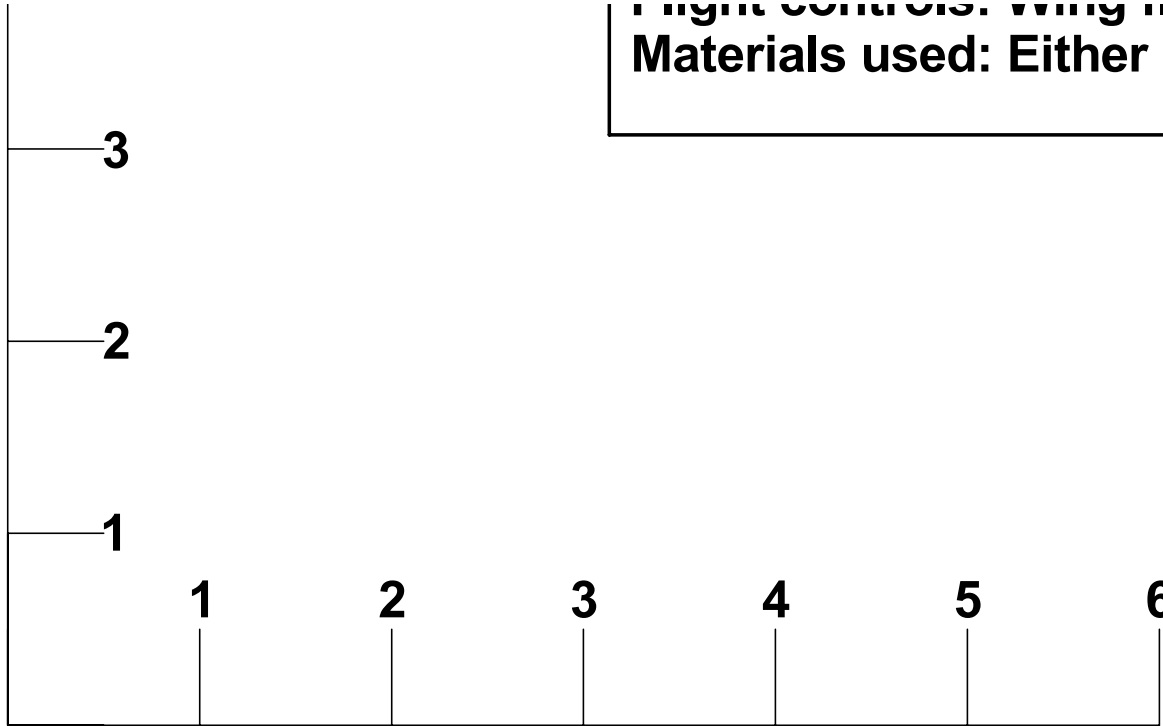
**Push/Pull**  
**Pull Pull**  
**Cut Control horns from 1/32"**  
**ply or a plastic coffee can lid.**



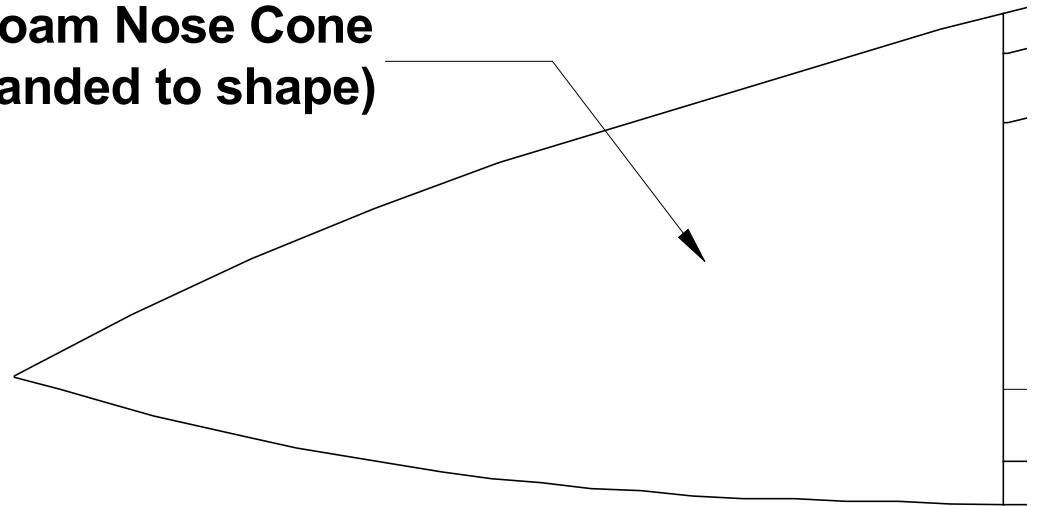




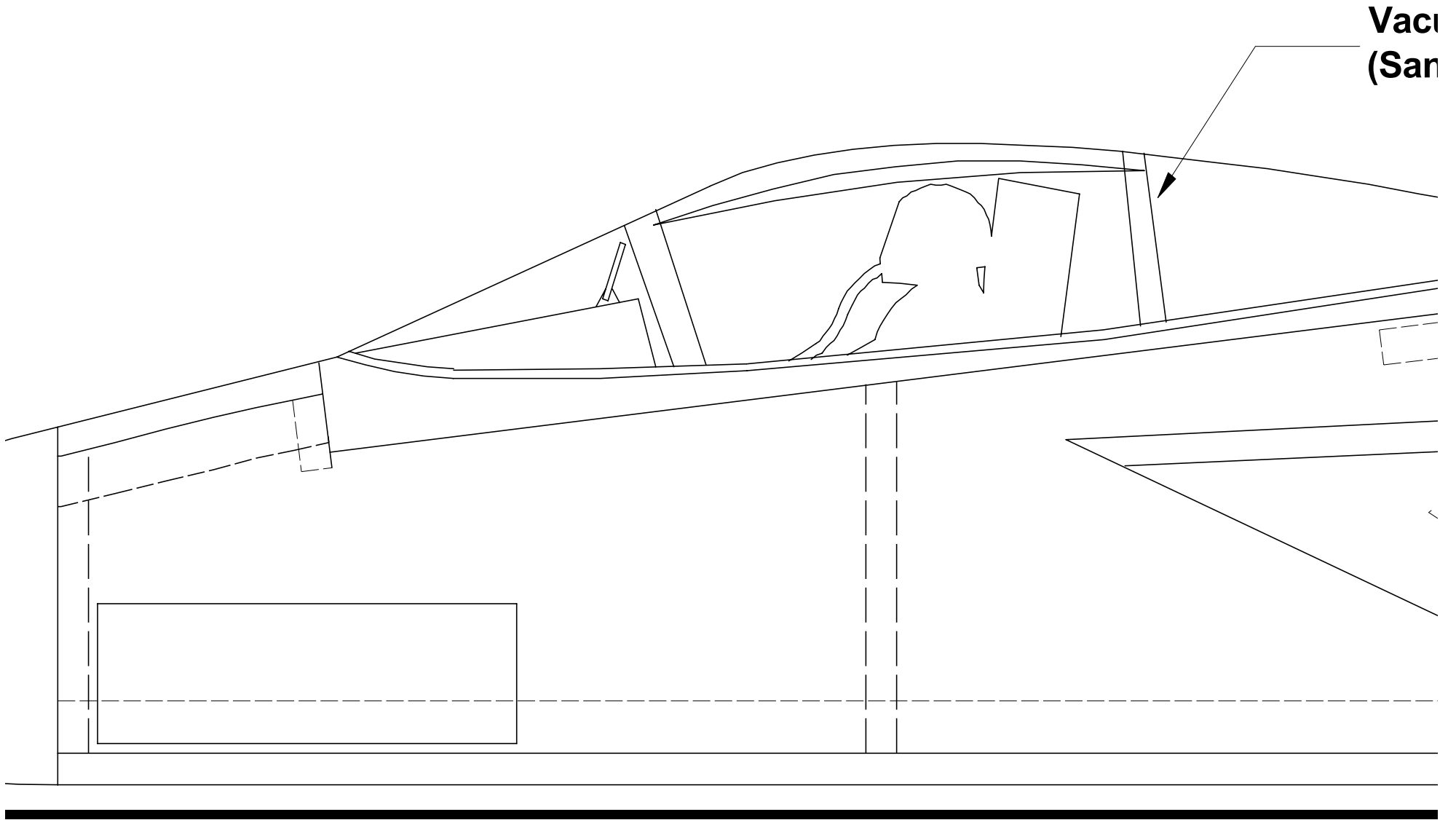
**Flight Controls: Wing Paperons, Roll-Over Protection  
Materials used: Either 6mm Depron or BlueCore**



**Foam Nose Cone  
(CNC Cut, Sanded to shape)**

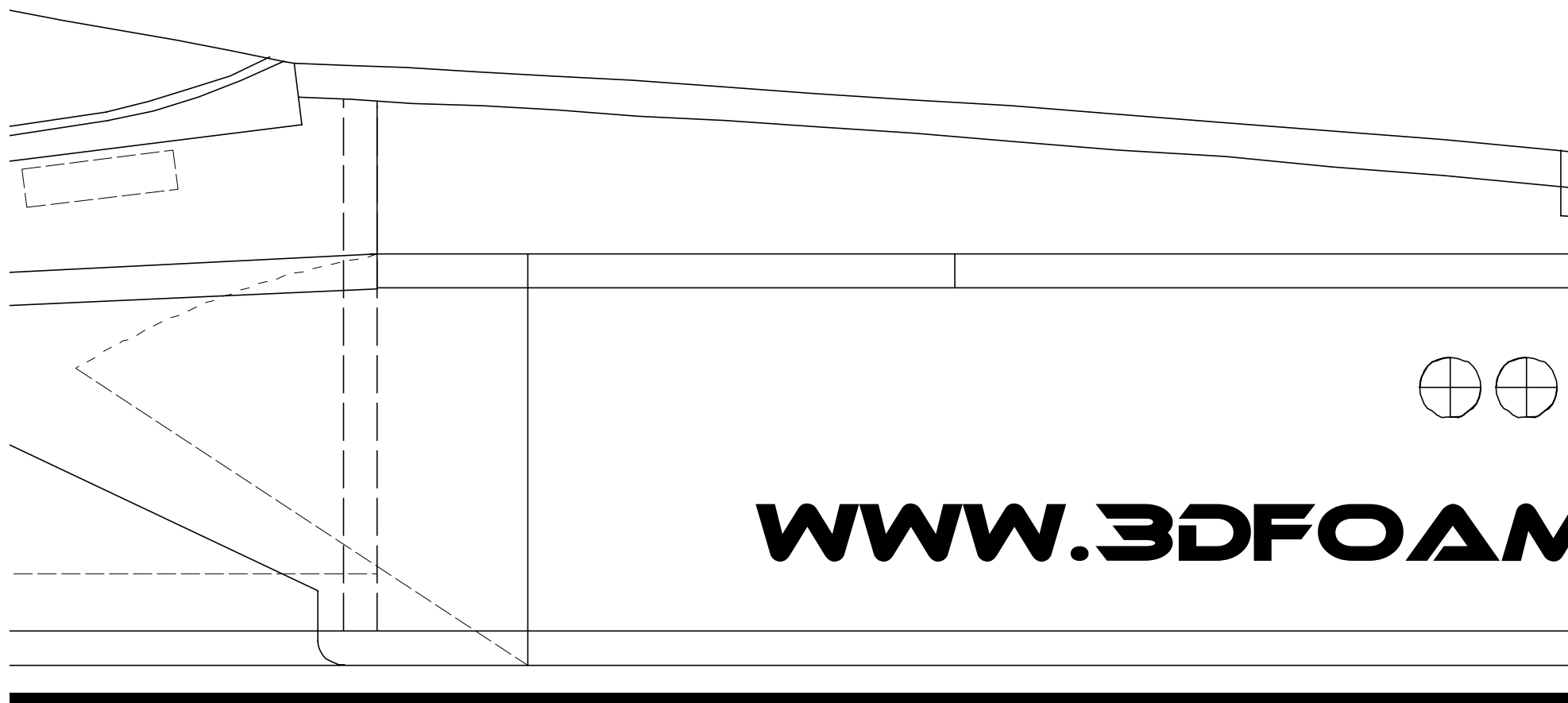


**Horizontal stabilizer, twin rudders  
Core fan fold foam**



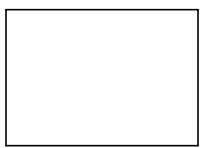
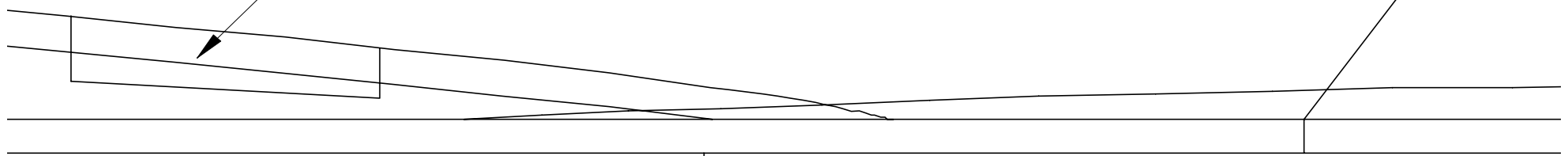
**Vacu  
(Sand)**

**Vacuum Formed Canopy  
(Sand from foam if scratch built)**



**WWW.3DFOAM**

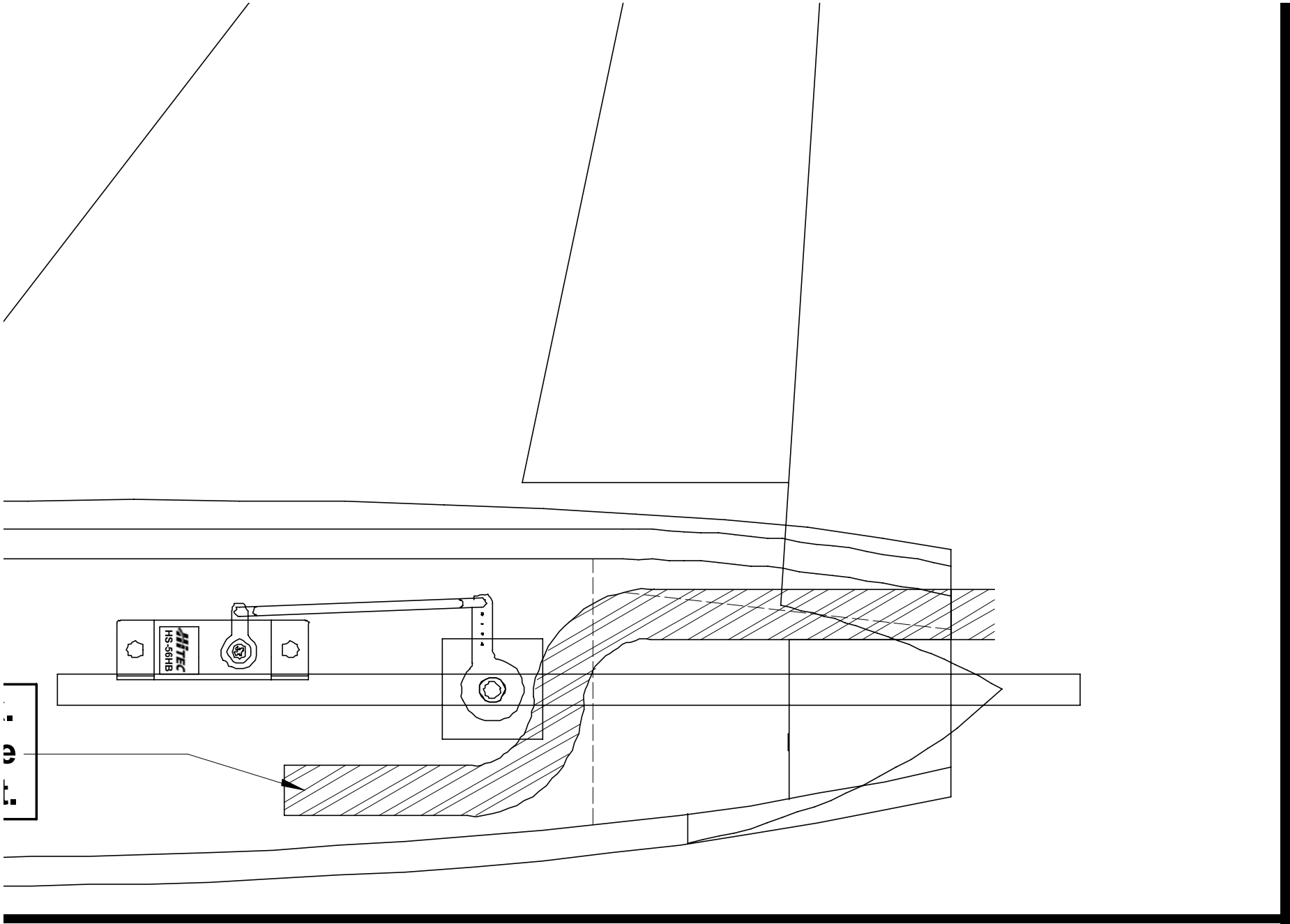
**Cut hatch after painting  
for radio access**



**MY.COM**

**Laser cut 1/4" birch motor block.  
Epoxy into plane. DO NOT use  
CA on the motor mount.**





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