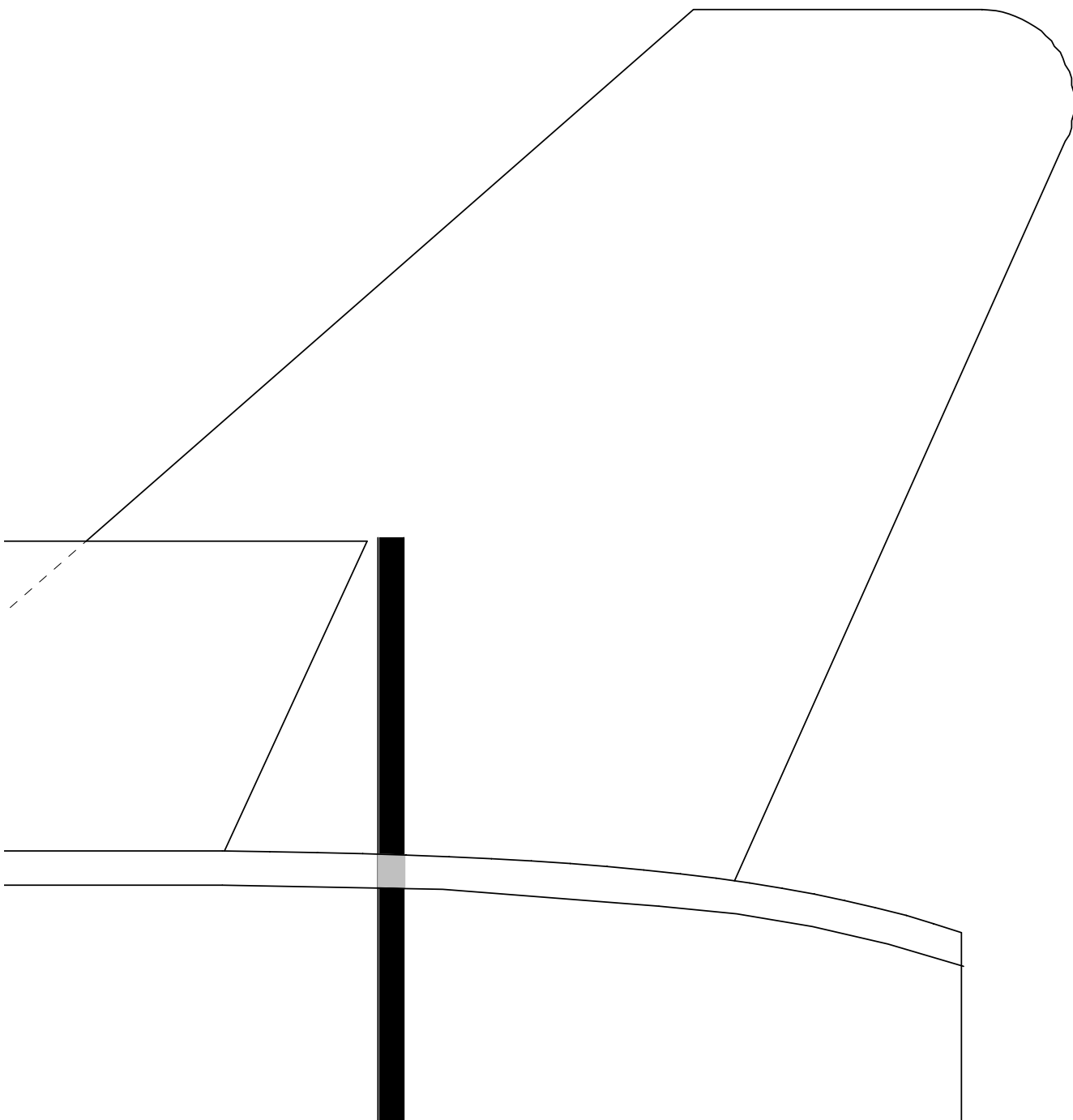
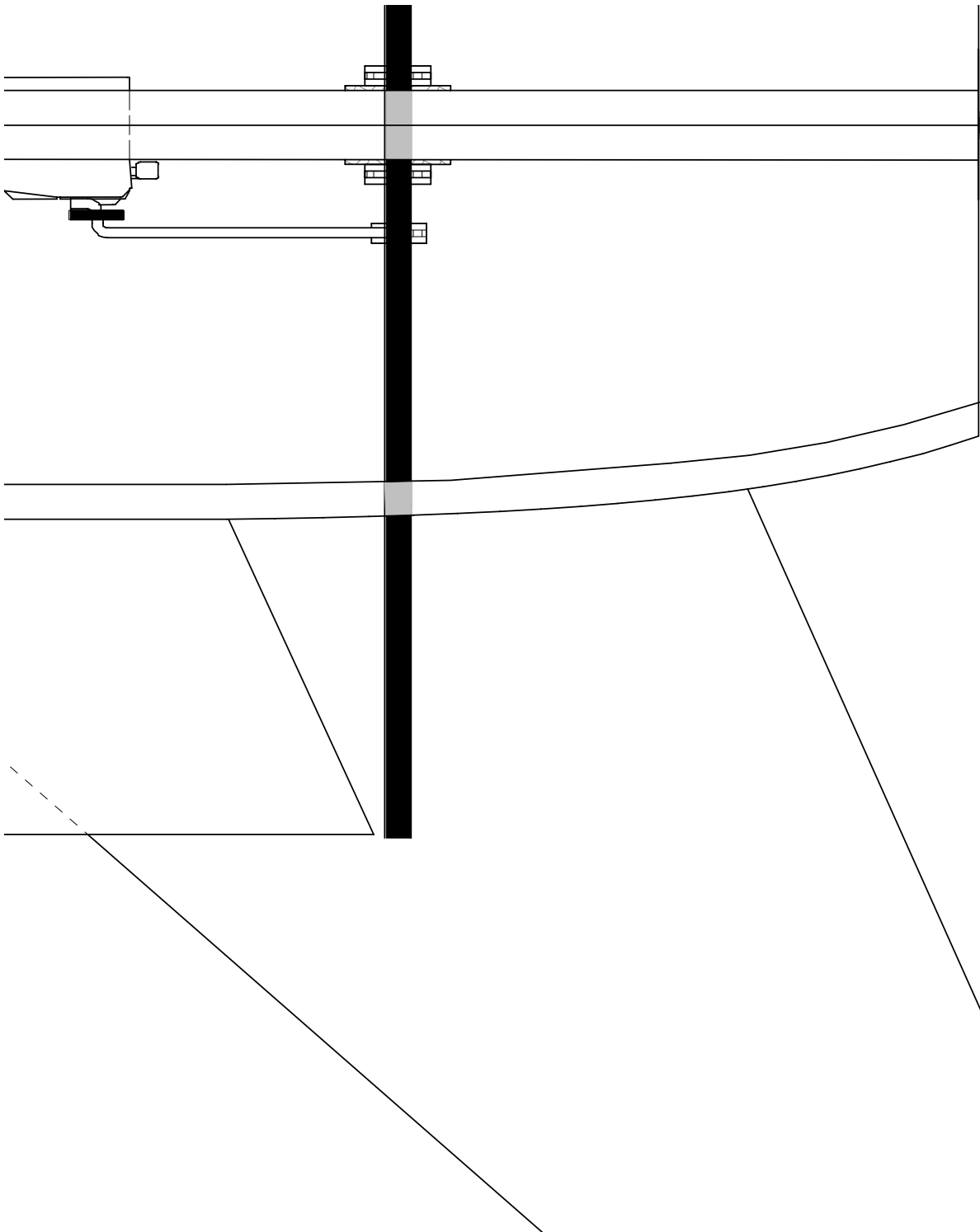
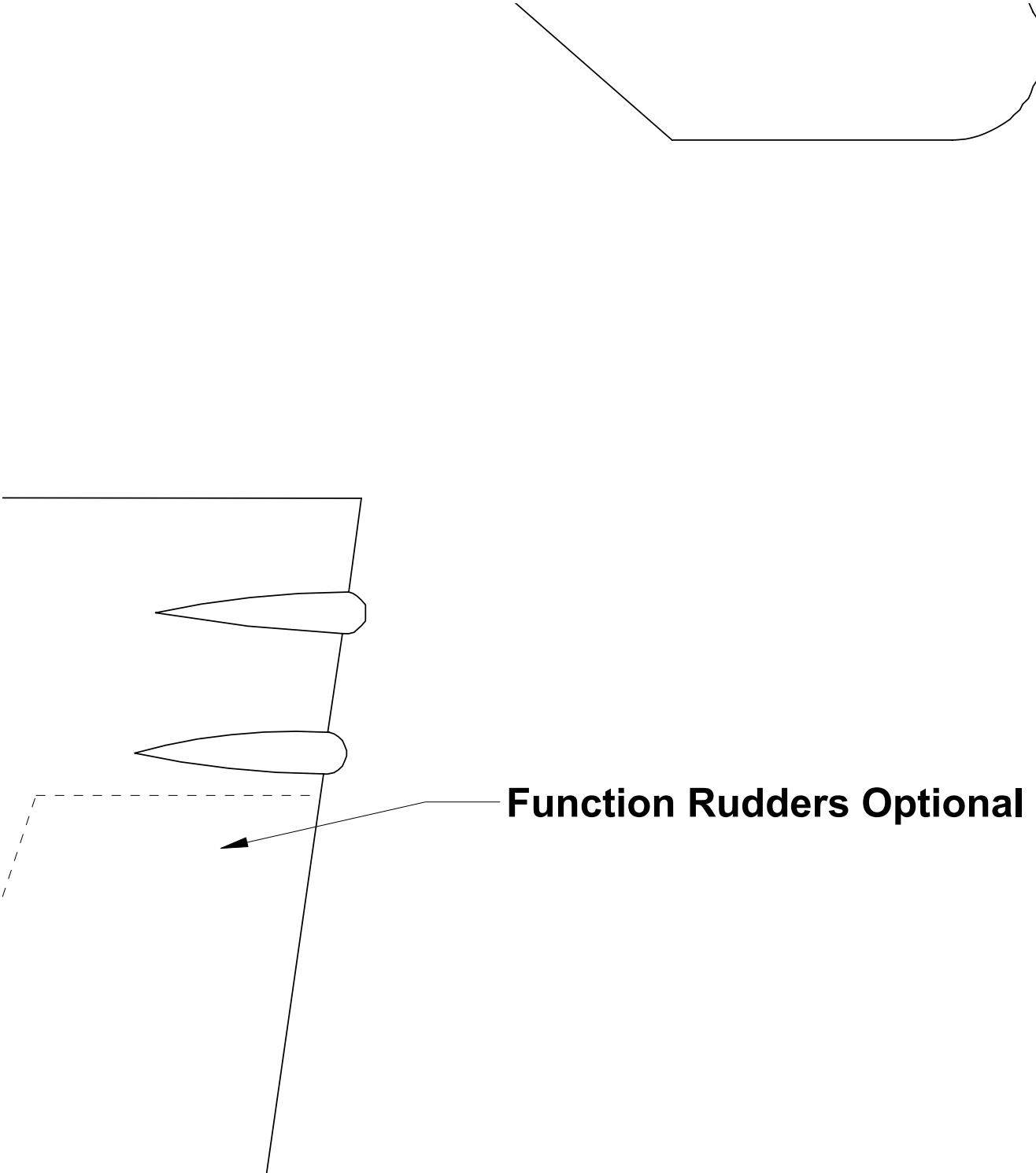


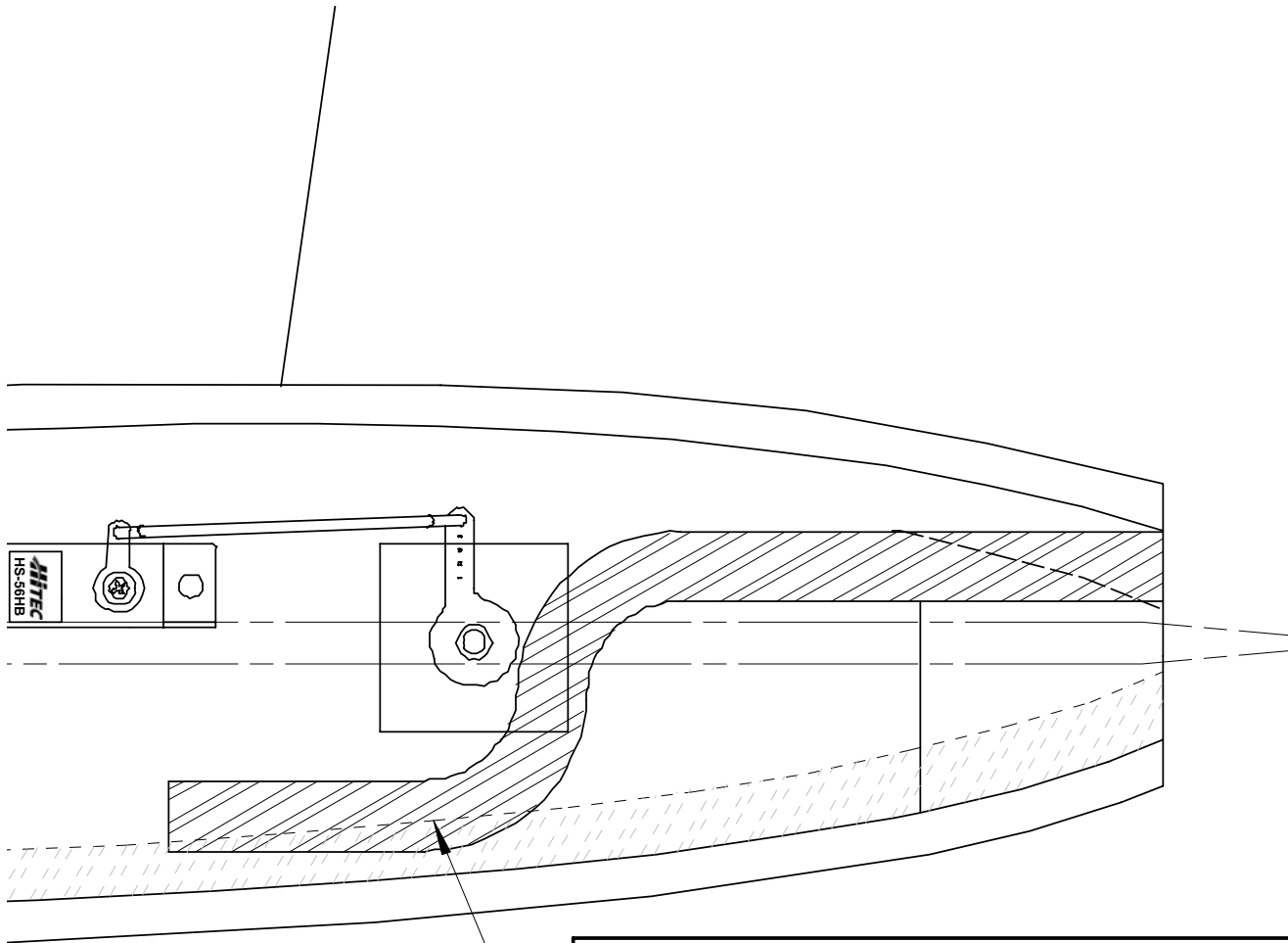
**r control surfaces can be packing  
hinges. I prefer robart hinge  
d in place for the added longevity  
eeness. CA hinges work well also.**



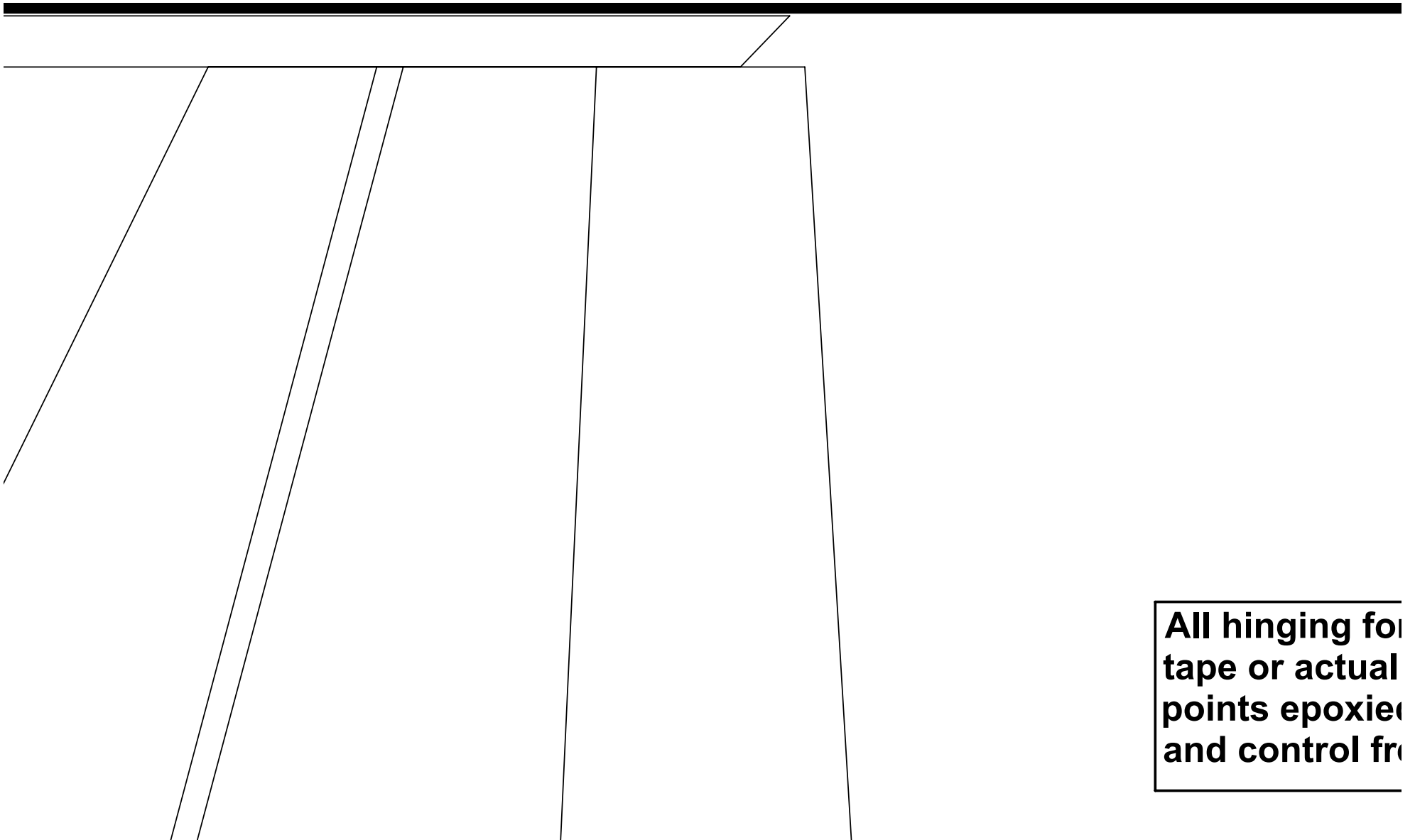


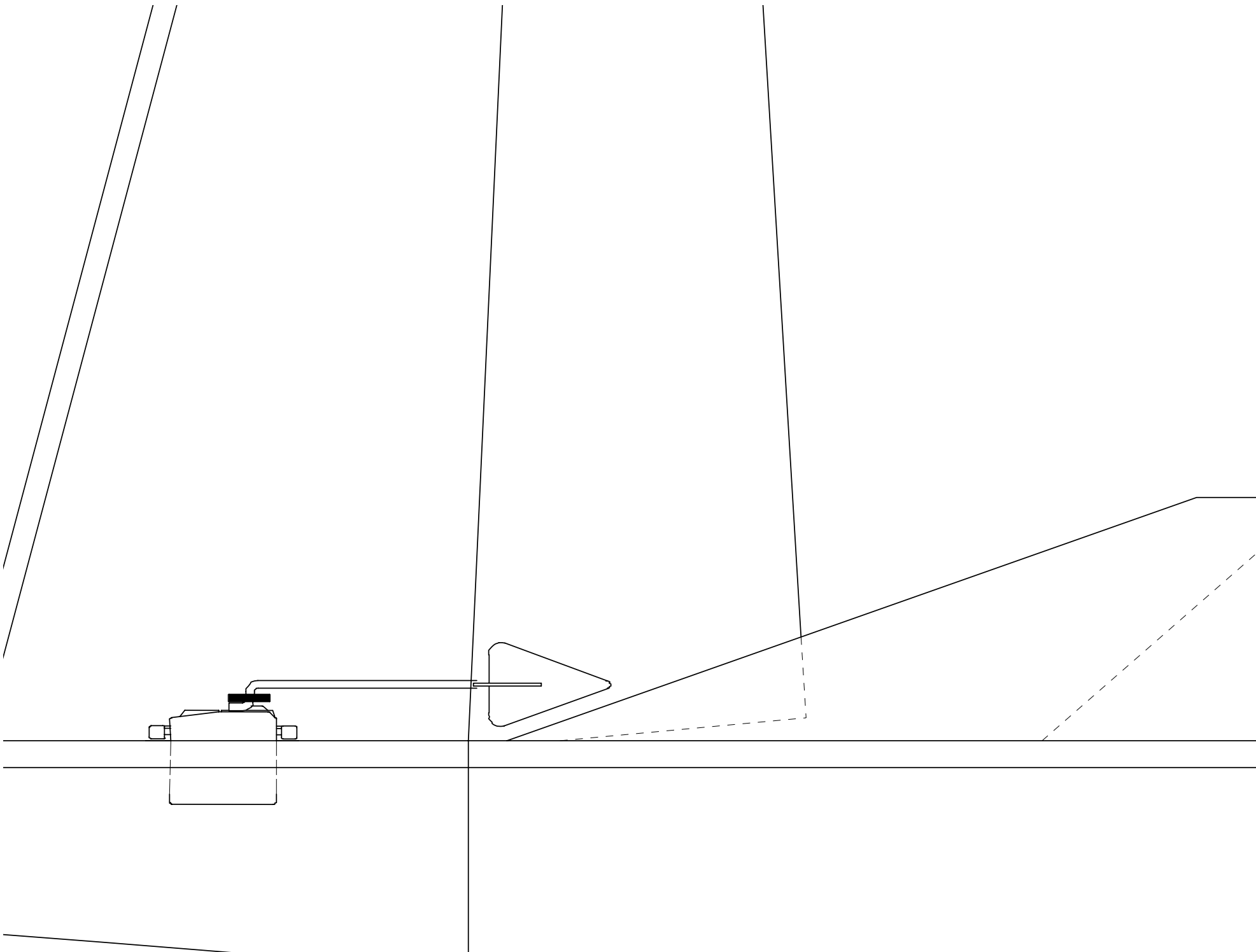


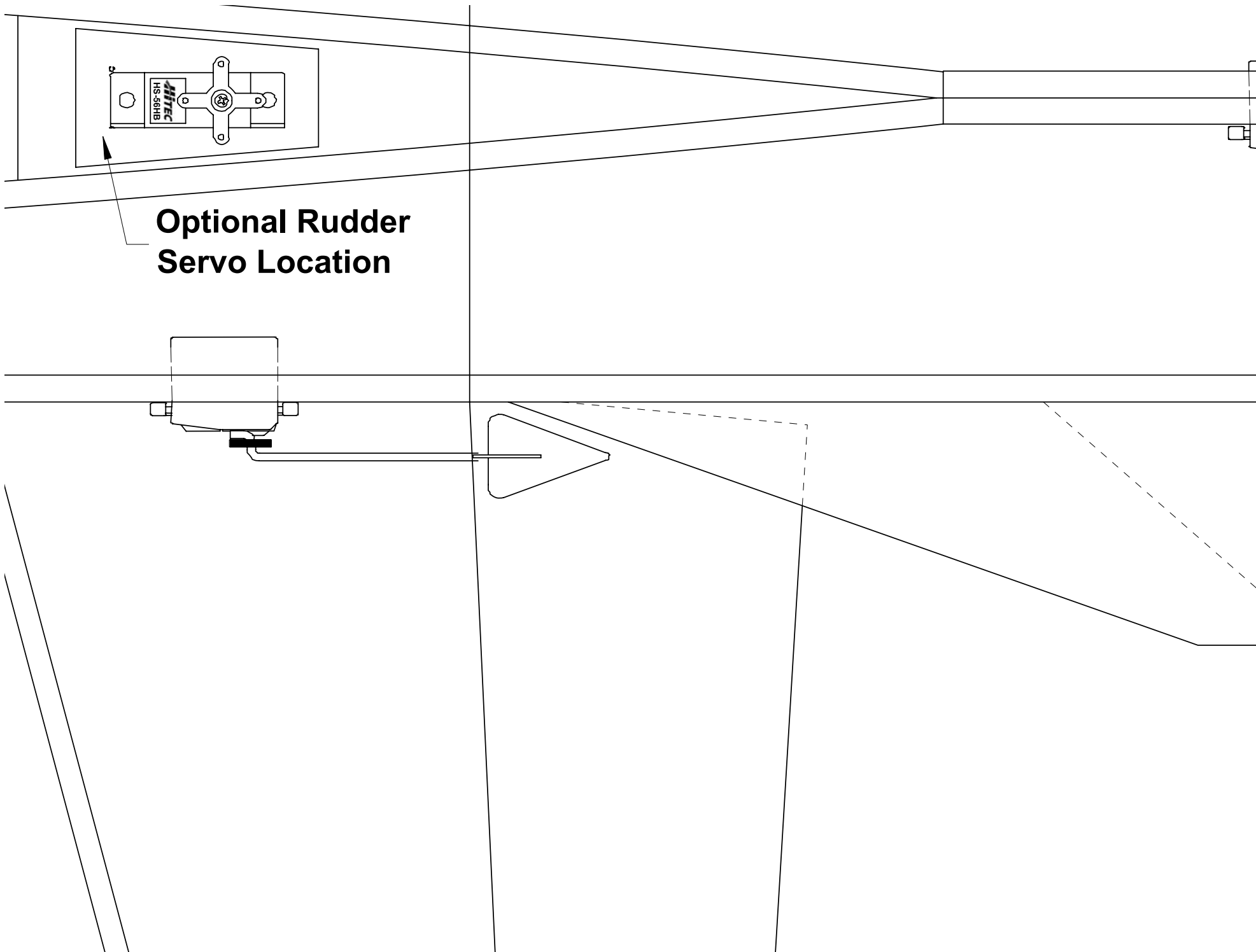
**Function Rudders Optional**



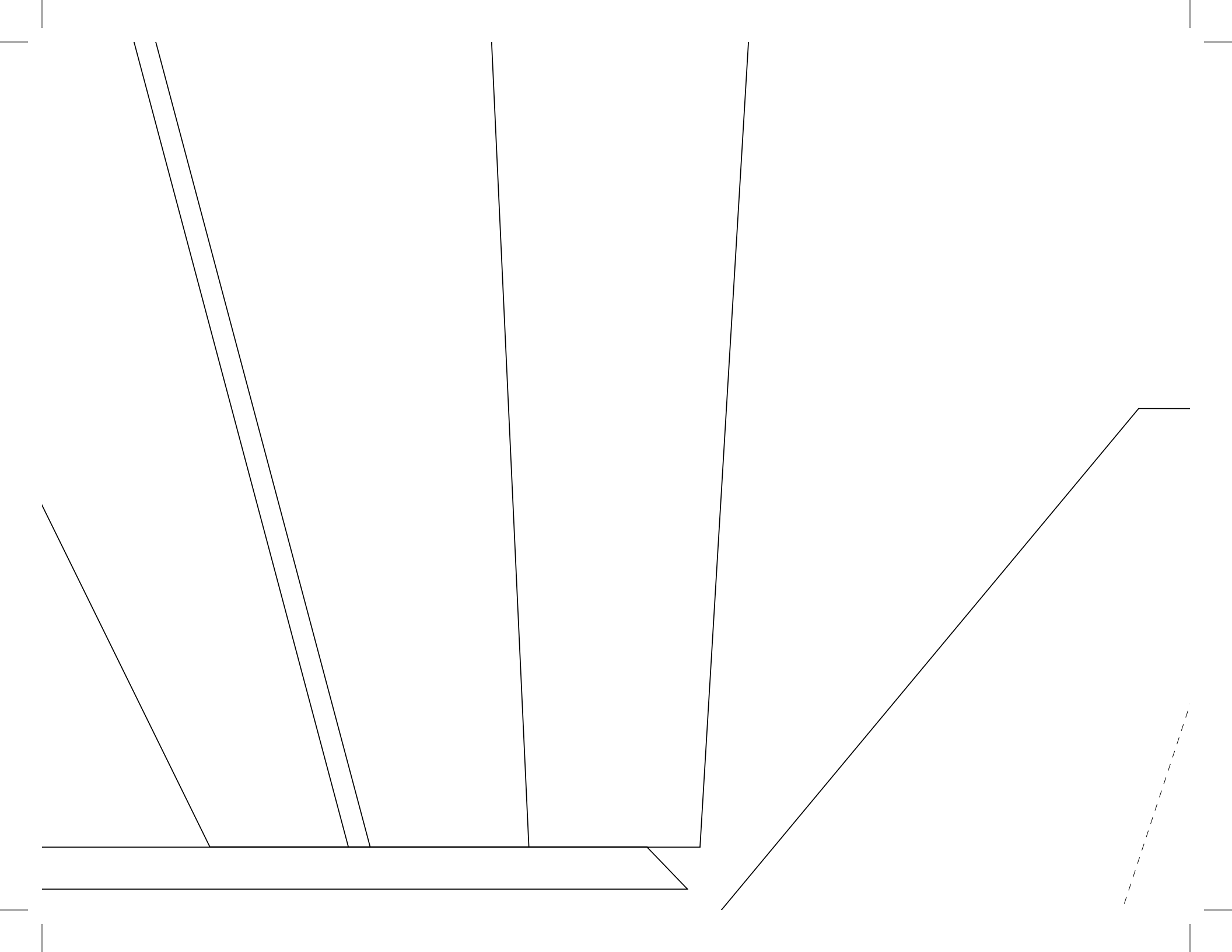
**Laser cut 1/4" birch motor block.  
Epoxy into plane. DO NOT use  
CA on the motor mount.**



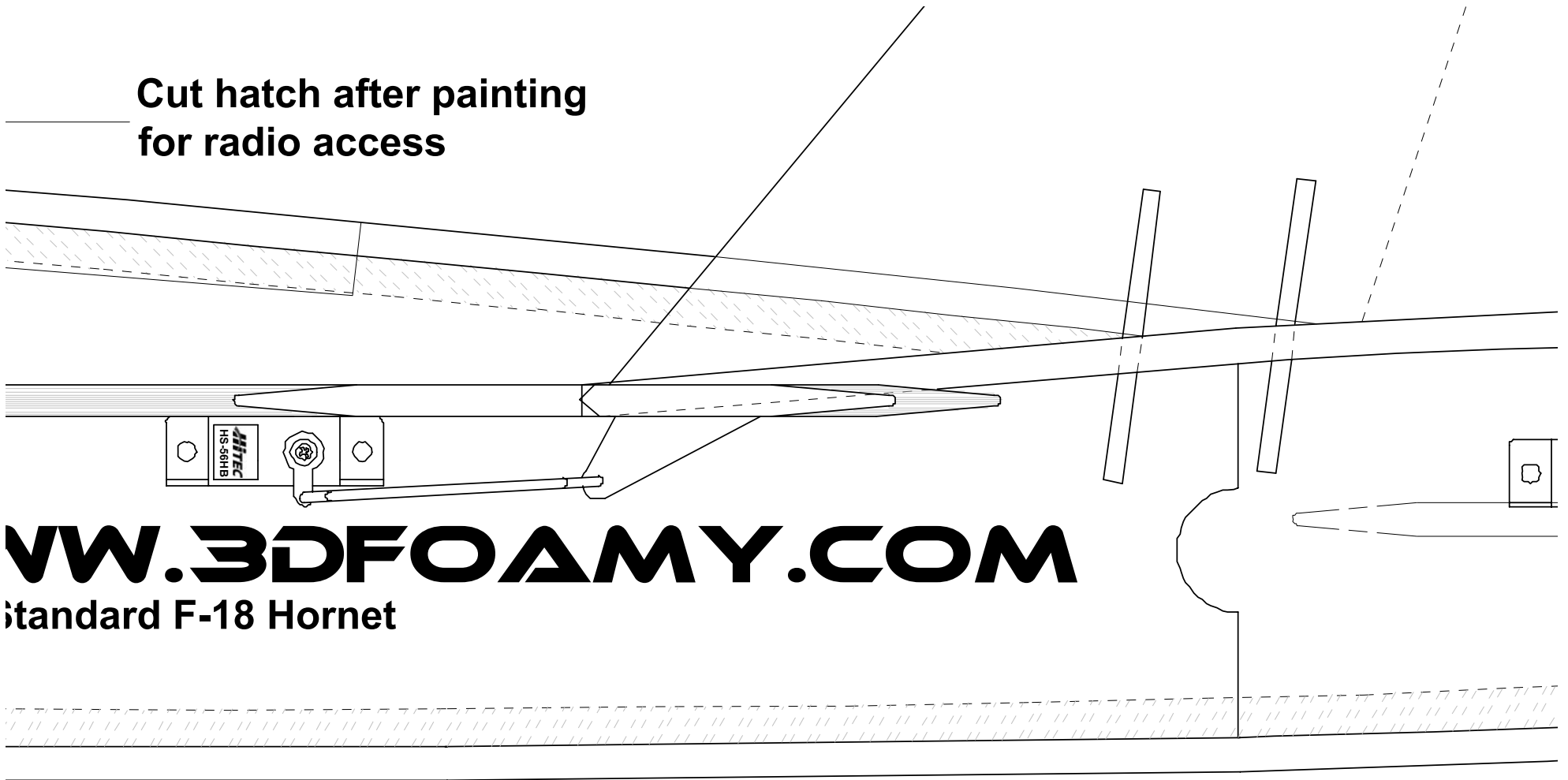






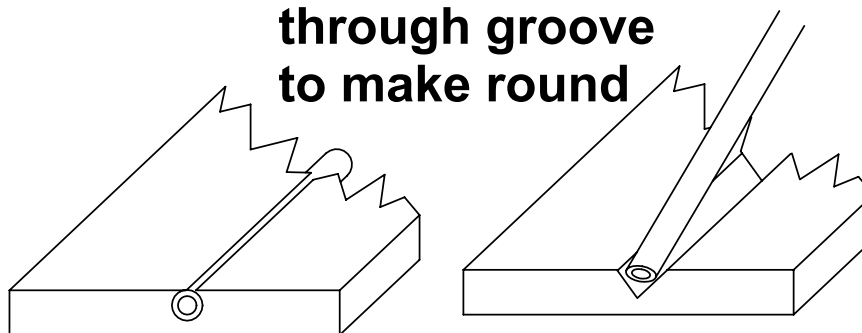


**Cut hatch after painting  
for radio access**



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Standard F-18 Hornet

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



## **CG INFO**

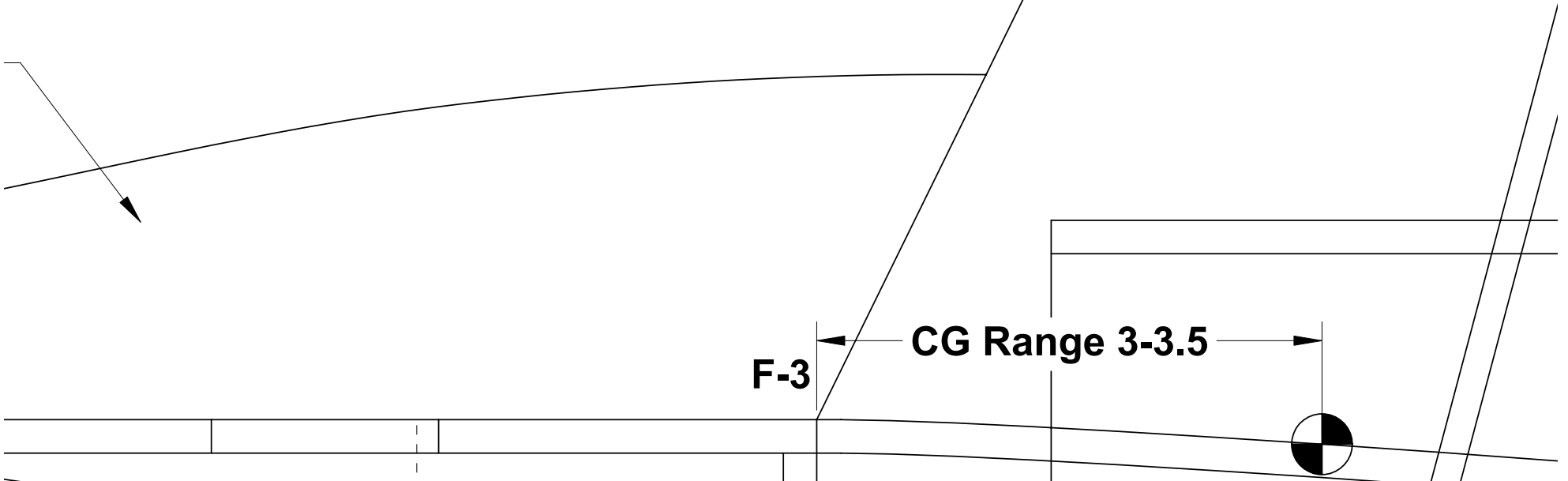
**Start with the recommended**

**C**

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

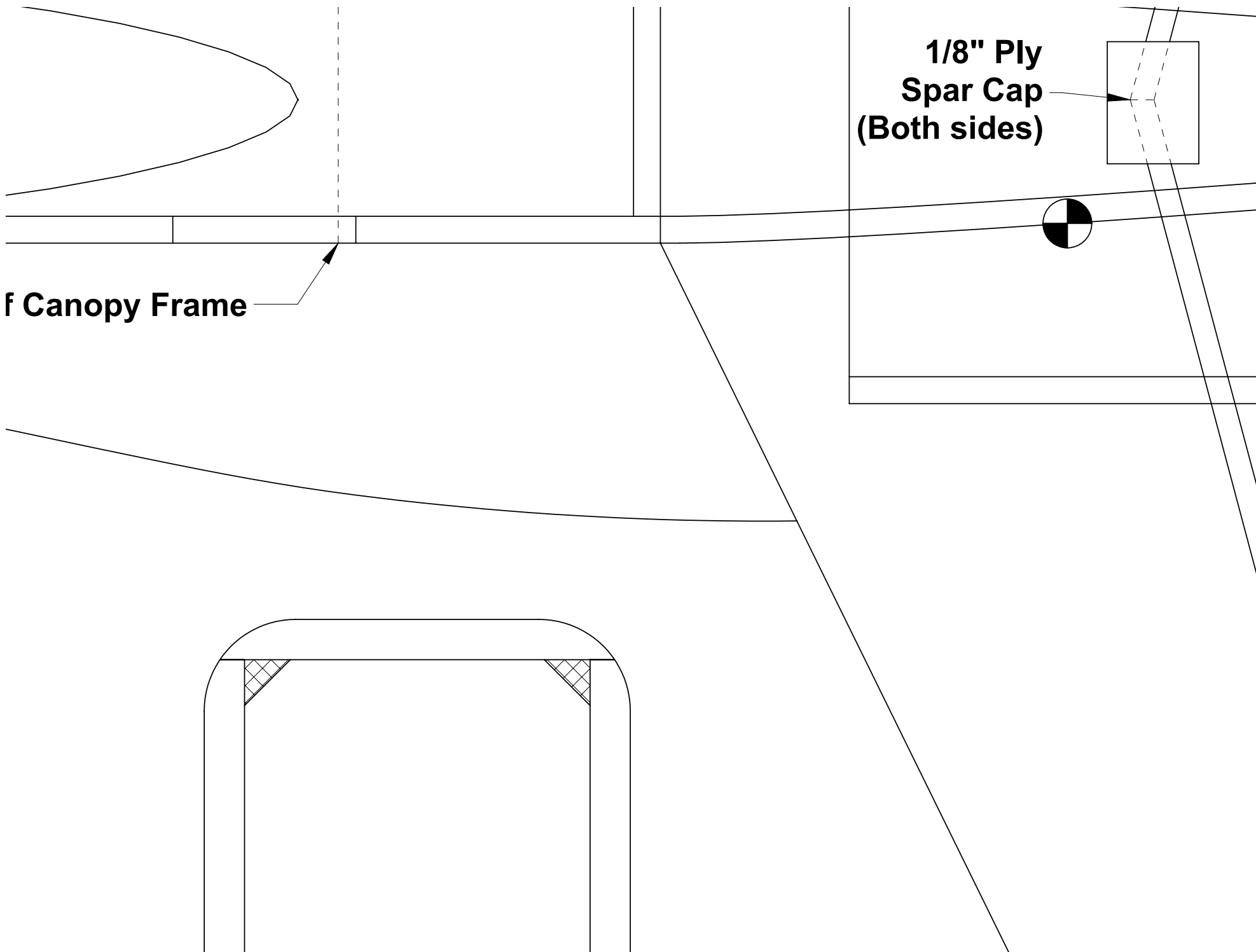
**Use:**

**5 minute epoxy for the main  
not strong enough, and will crack**

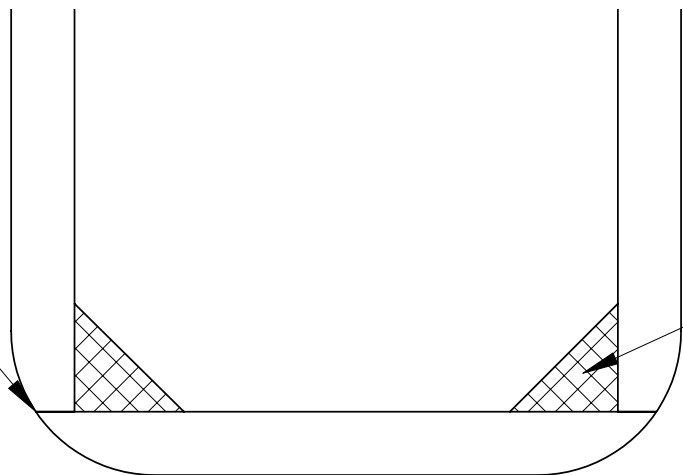


**f Canopy Frame**

**1/8" Ply  
Spar Cap  
(Both sides)**



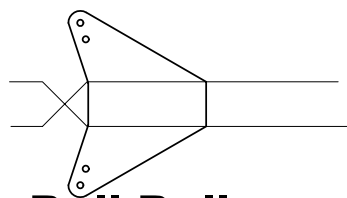
nd  
er,  
00



**Dow EPS foam tristock**

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

**Pull**

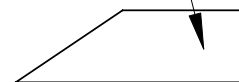


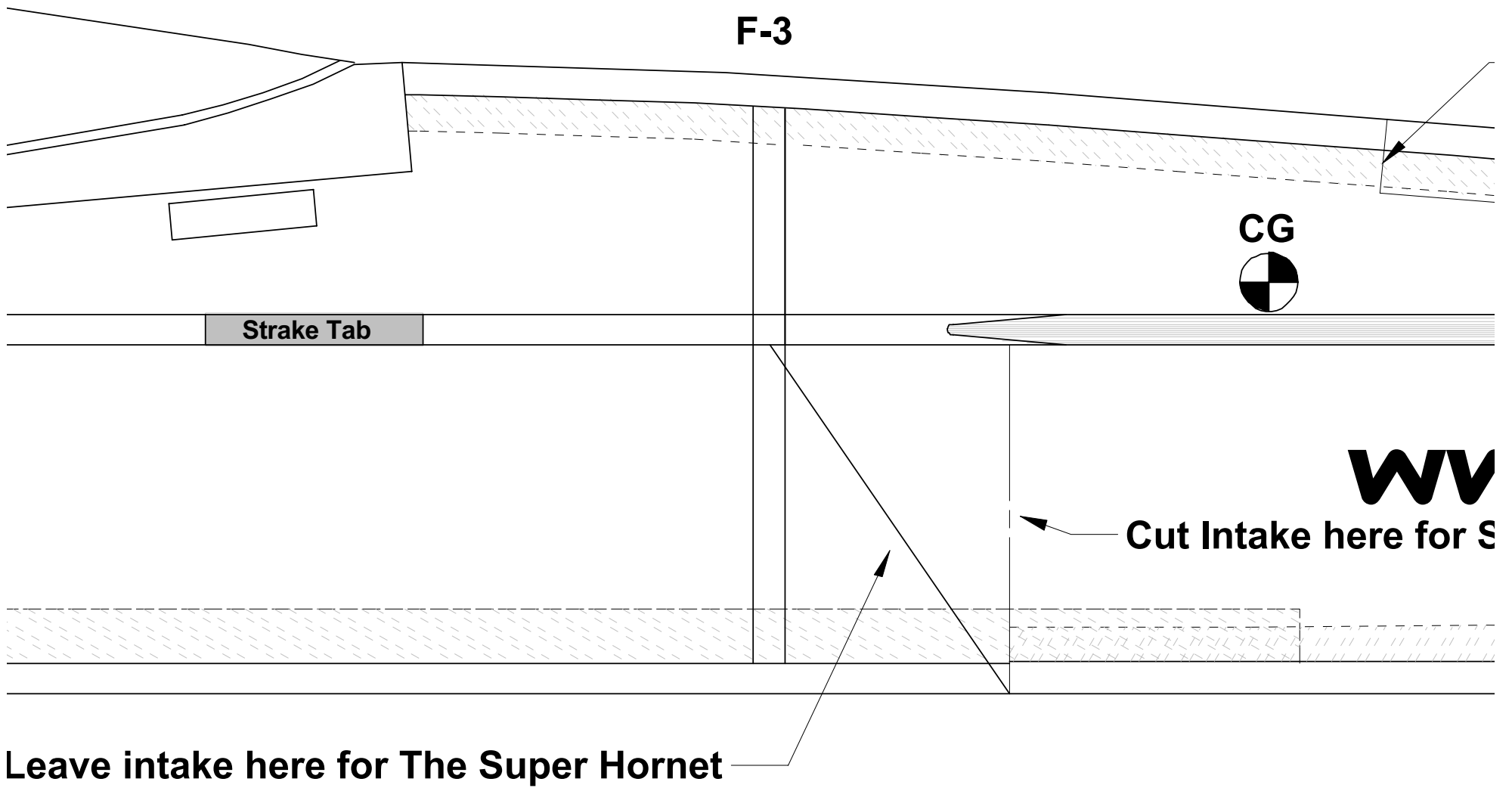
**Pull Pull**

**Control horns from 1/32"  
a plastic coffee can lid.**

**1/4 x 3/8 Balsa Missile Rails**

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





# Jet

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Designed & Drawn by:  
Nate & Levi Jordan  
11/19/2004

## Prototype Setup/Specs

---

**Wing area: 275 sq in (effective area, which includes the effect of the wing strakes)**  
**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**



**urrent draw: 9.7 amps**

**ower loading: 101 watts/lb**

**adio equipment: GWS R-6 receiver, GWS Pico and Hitec HS-55 servos, 10 amp ES**

**ight controls: Wing flaperons, full-flying horizontal stabilizer, twin rudders**

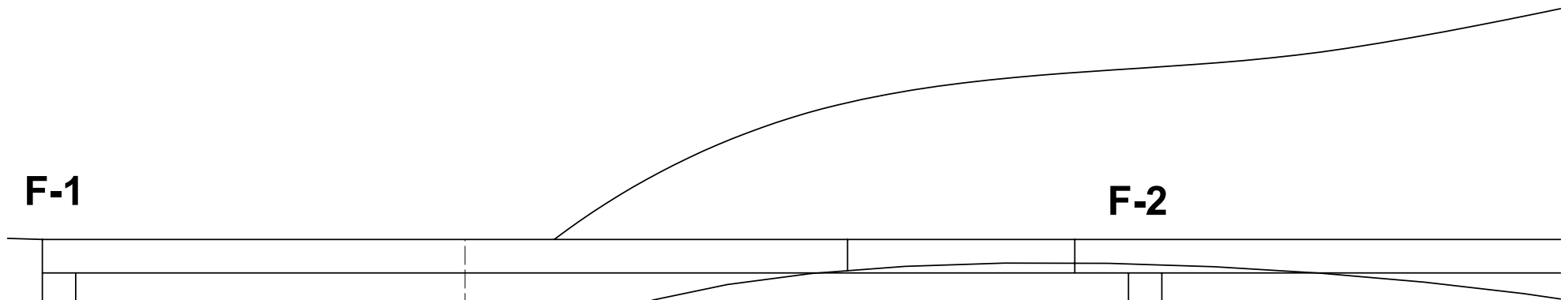
**aterials used: Either 6mm Depron or BlueCore fan fold foam**

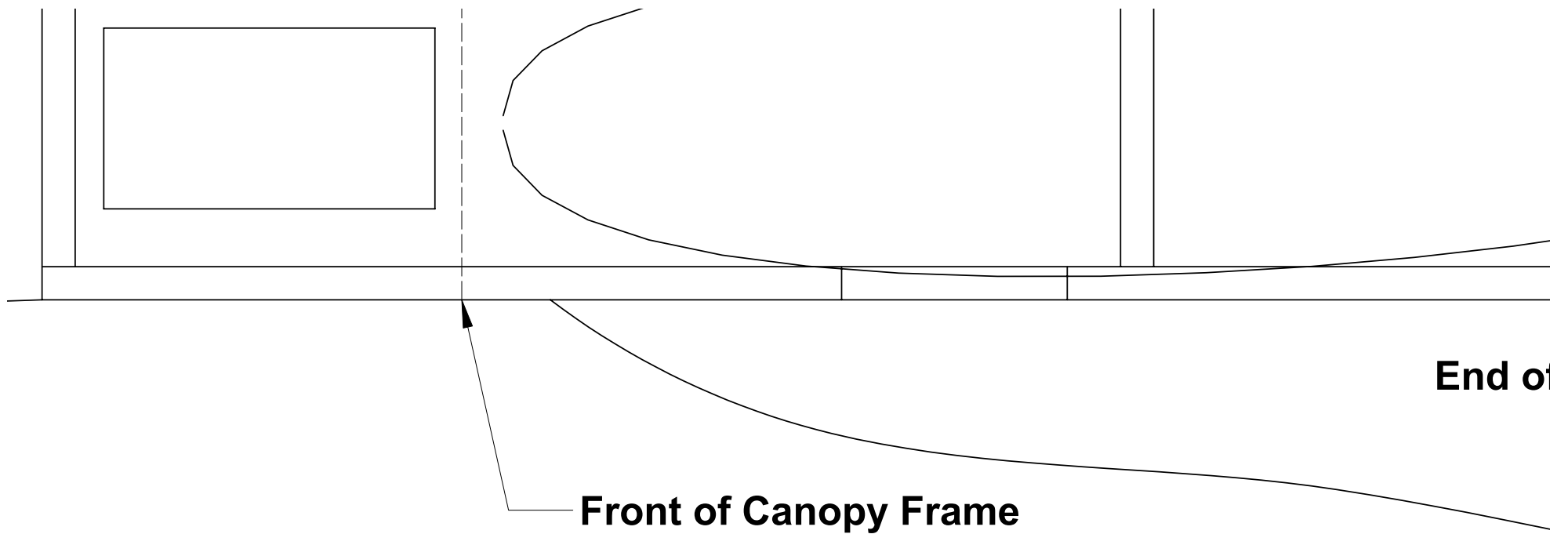
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## **Notes on the fus**

**Make sure to use 5-15  
parts...foam CA are not  
under the torque.**

**Sand the TOP ONLY of the strake at the LE**

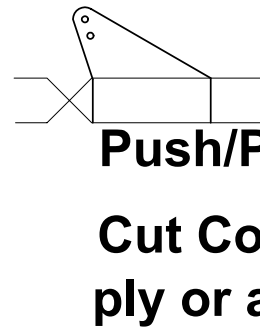


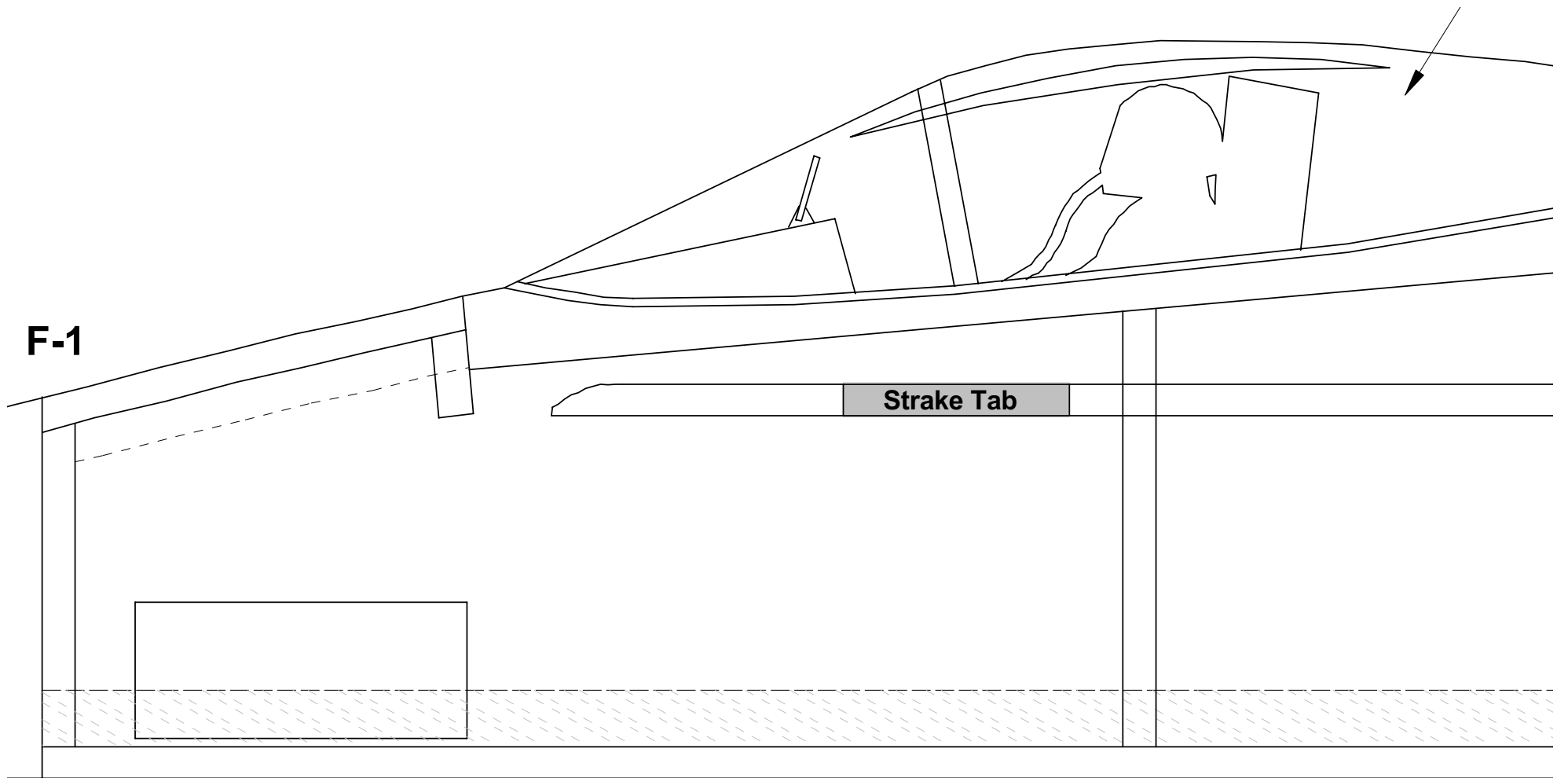


Speed, mph	Comments
18.7	Max amps and watts with GWS brushed motor for reasonable life
13.4	VERY hard on motor
13.8	Pitch speed slow
19.2	Great combo
15.0	
50.0	
15.0	

50.5	Great combo
53.1	
51.3	
43.3	Pitch speed slow
56.9	
49.2	Least current for good performance
51.1	Great combo

**Sand the fuselage corners rou  
with 80 grit sand pap  
then finish smooth with 200 and 4**





**F-1**

**Strake Tab**

**F-2**

**Specs:**

**F-18 Park**

**3D FOAMY**

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Designed and  
Steve Shuma  
Updated: 07/

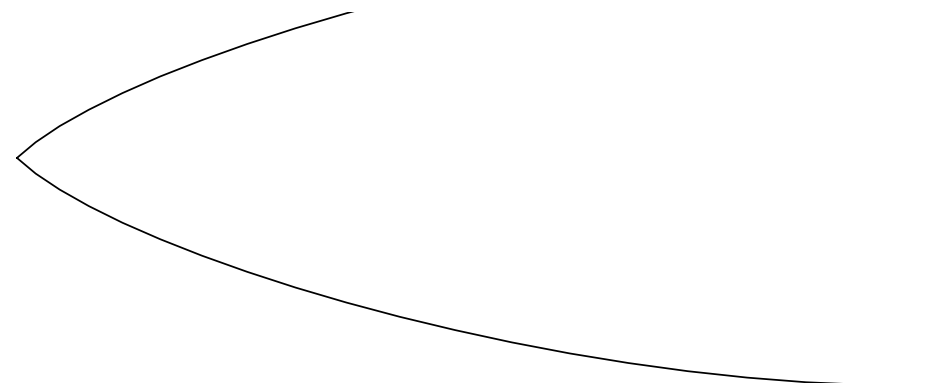
<b>Weight</b>	<b>14-18 oz.</b>
<b>Thrust</b>	<b>14-24 oz.</b>
<b>Radio</b>	<b>4-5 Chanel</b>
<b>Area</b>	<b>275 in2</b>
<b>Loading</b>	<b>7.5-9.3 oz/ft2</b>

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**P**

W  
S  
L  
W  
W  
M  
B  
P





Motor	Gearing	Prop	Batt Amps	Watts/lb	Static thrust, oz	Pitch r
GWS EPS-350	5.33	8x6	9.7	93.2	14.4	4
"	"	9x6	12.1	113.0	18.5	4
Himaxx 2015-4100	4.43	9x6	11.6	108.7	18.9	4
"	"	9x7	12.4	115.8	18.3	4
"	3.75	9x6	14.2	129.2	20.0	4
"	"	9x7	15.0	135.0	18.9	5
Himaxx 2015-5100	5.33	9x6	12.0	118.7	20.0	4

3400	3.33	9x6	12.8	110.7	20.0	5
"	"	9x7	13.8	126.1	19.3	5
"	4.43	8x6	13.4	122.7	17.1	5
Axi 2212/20	NA	8x6	13.6	124.5	15.6	5
"	"	9x6	15.4	138.3	18.2	4
Mega 16-15-5	Direct	6.5x4	15.3	126.1	17.7	5
Razor RZ350	4.43	8x6	9.2	89.1	14.7	4
"	"	9x7	13.2	122.7	19.7	5

**Strake Cross section**



