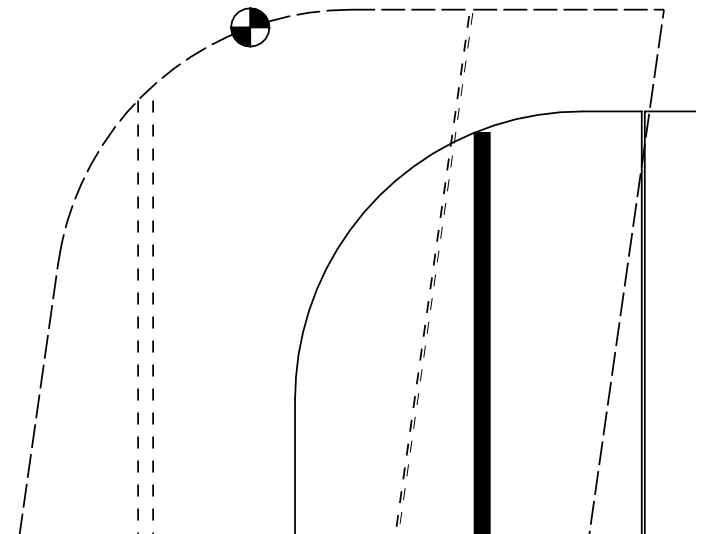
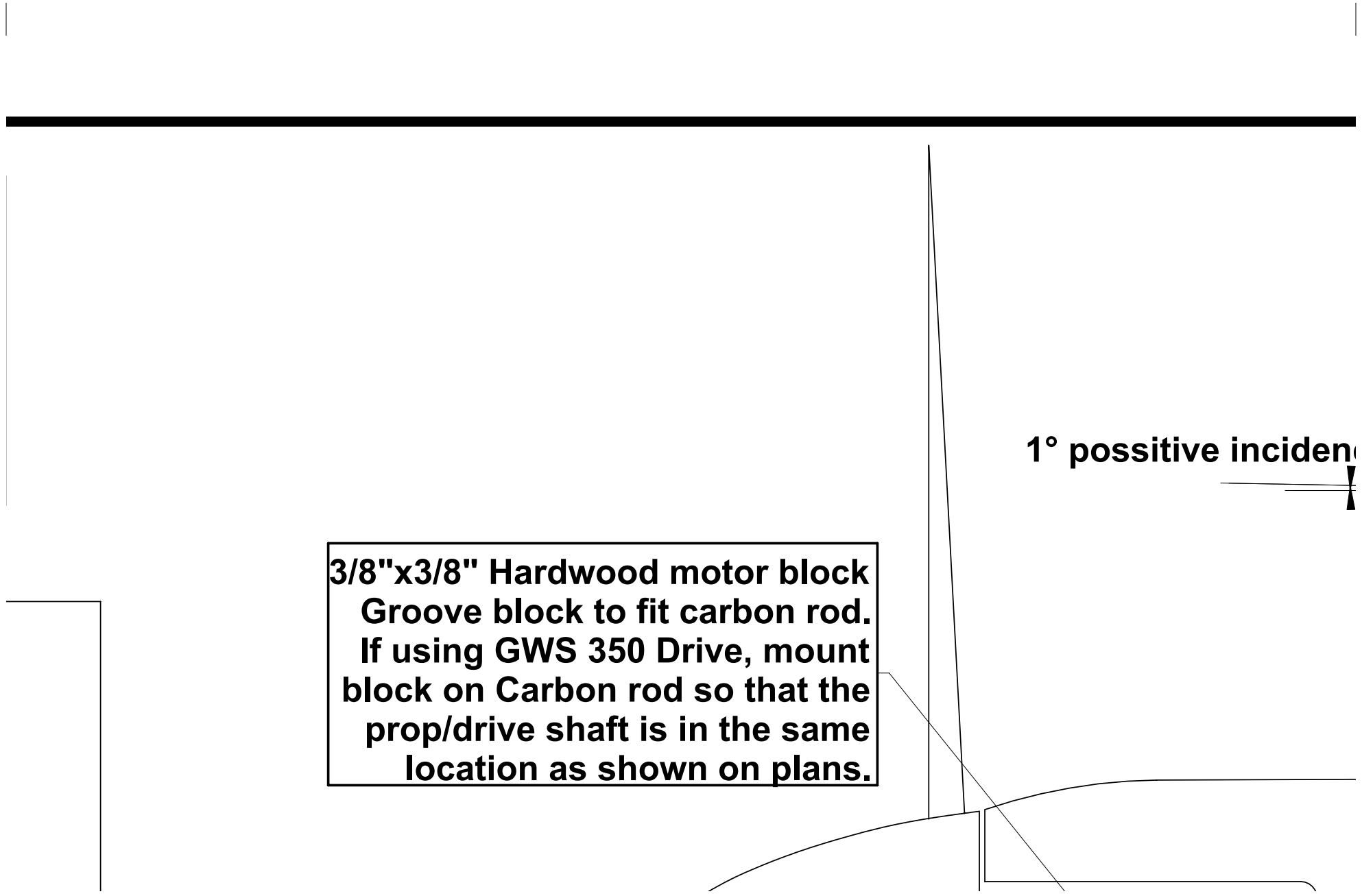


Notes on the fuse:

If you are going for all out light weight, consider leaving out the fuse spar. The side plates are strong enough for anything in flight, but will not be quite as tough for rough landings/crashes. Make sure to use 15-30 minute epoxy or shoogoo for the main parts...5 min and foam CA are not strong enough, and will crack under the torque.

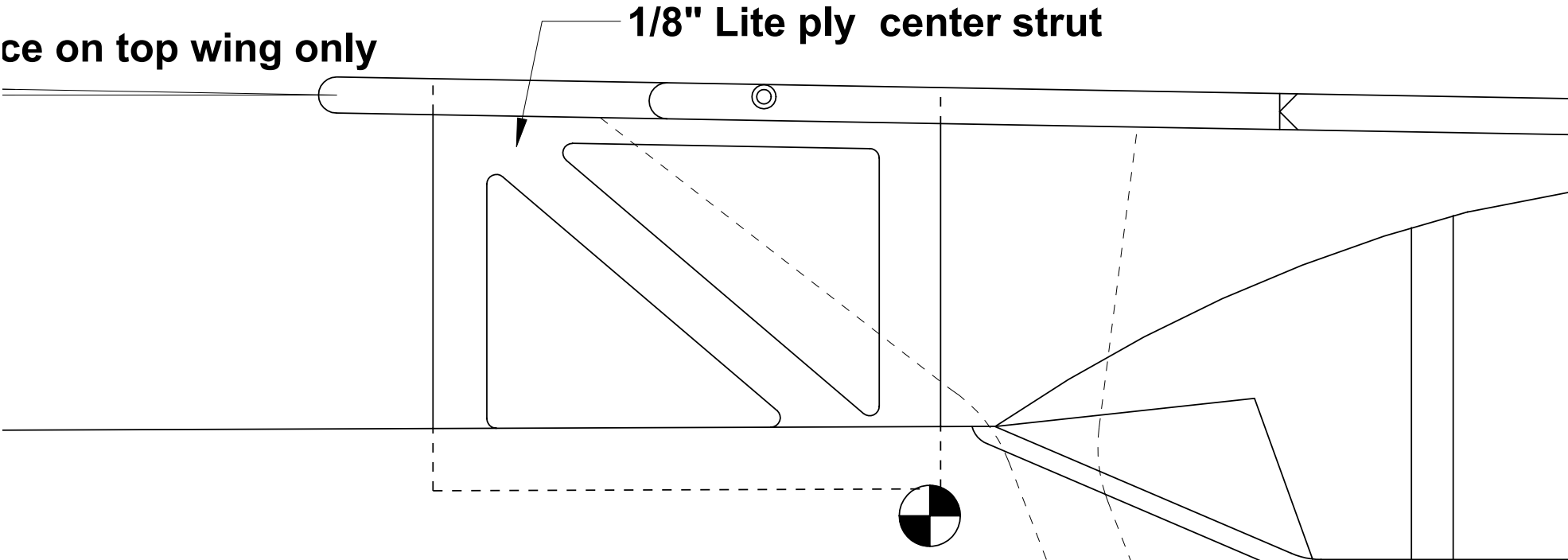




A technical diagram showing a side view of a motor block assembly. A thick horizontal line at the top represents a base or ceiling. Below it, a vertical line represents a shaft. A rectangular block is mounted on the shaft. A curved line represents a prop or drive shaft. A text box with a black border contains instructions. A line points from the text box to the block. An angle of 1 degree is indicated between the vertical shaft and the prop shaft.

3/8"x3/8" Hardwood motor block
Groove block to fit carbon rod.
If using GWS 350 Drive, mount
block on Carbon rod so that the
prop/drive shaft is in the same
location as shown on plans.

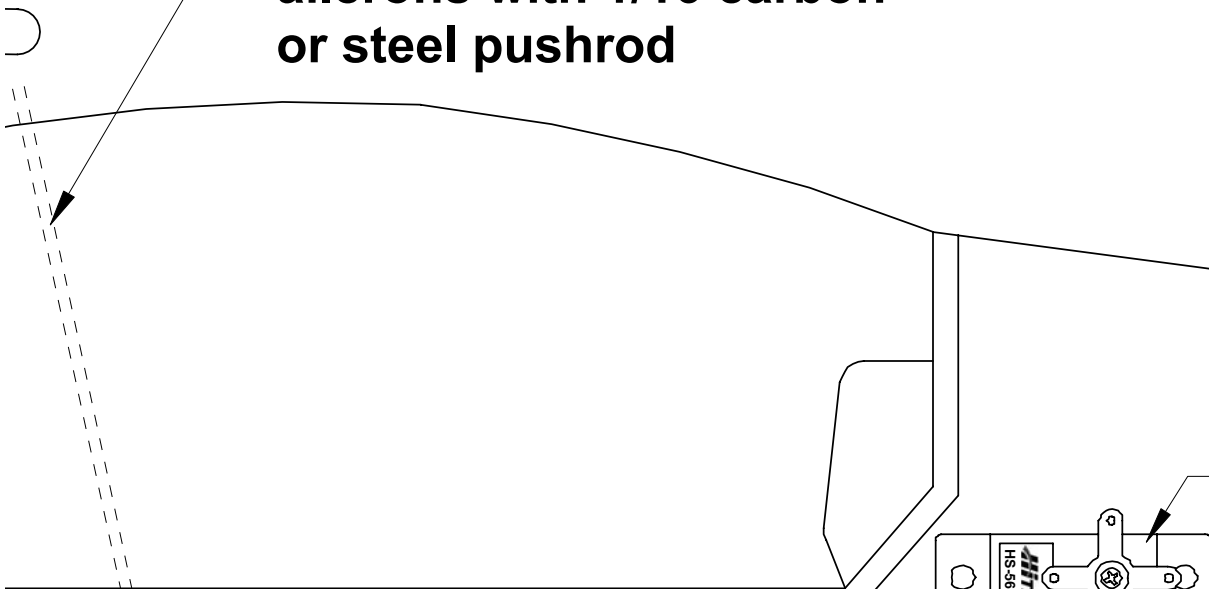
1° possible incident



**Connect upper and lower
ailerons with 1/16 carbon
or steel pushrod**

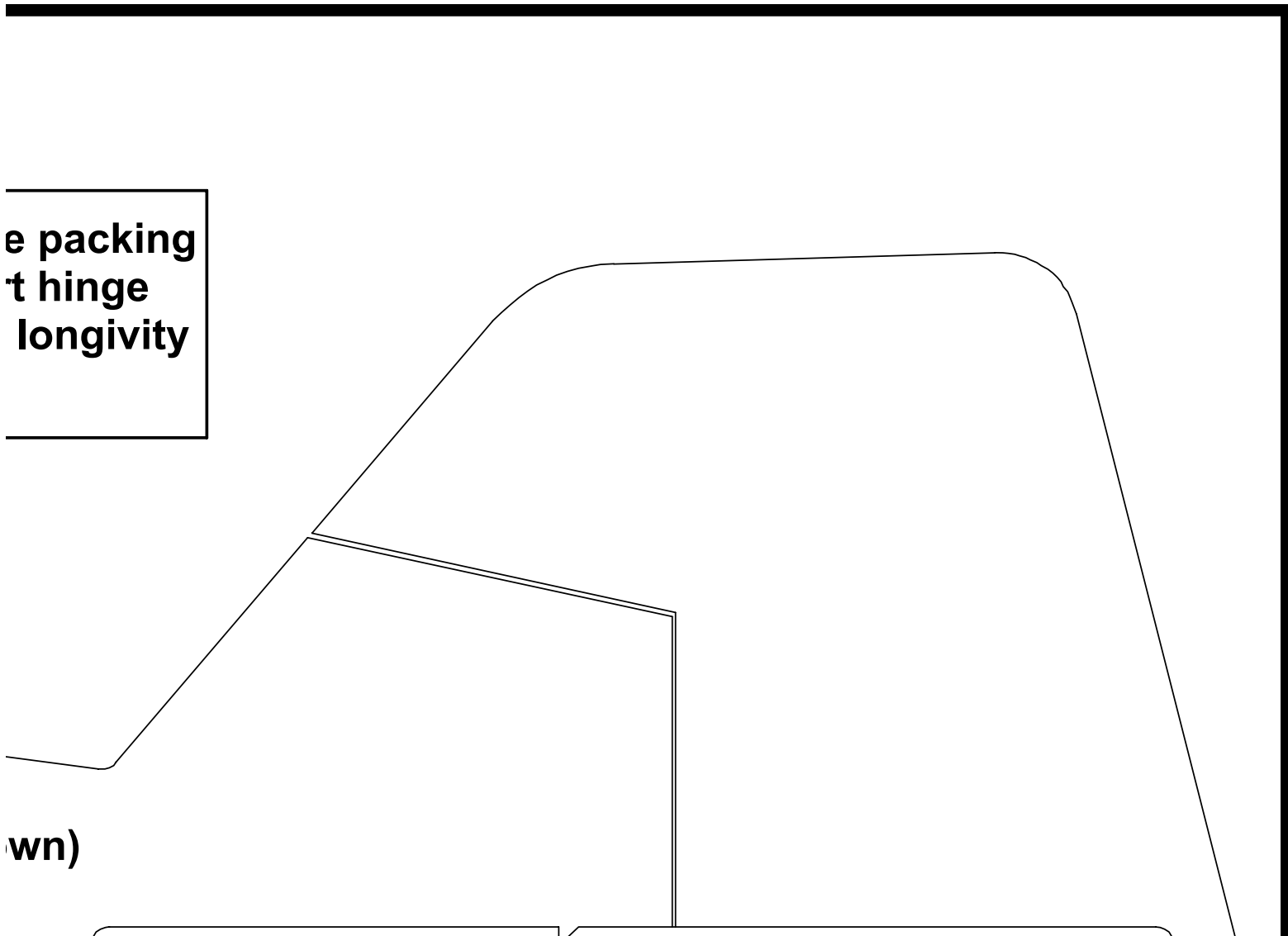
All hinging for control surfaces can be done with tape or actual hinges. I prefer robar points epoxied in place for the added strength and control freeness.

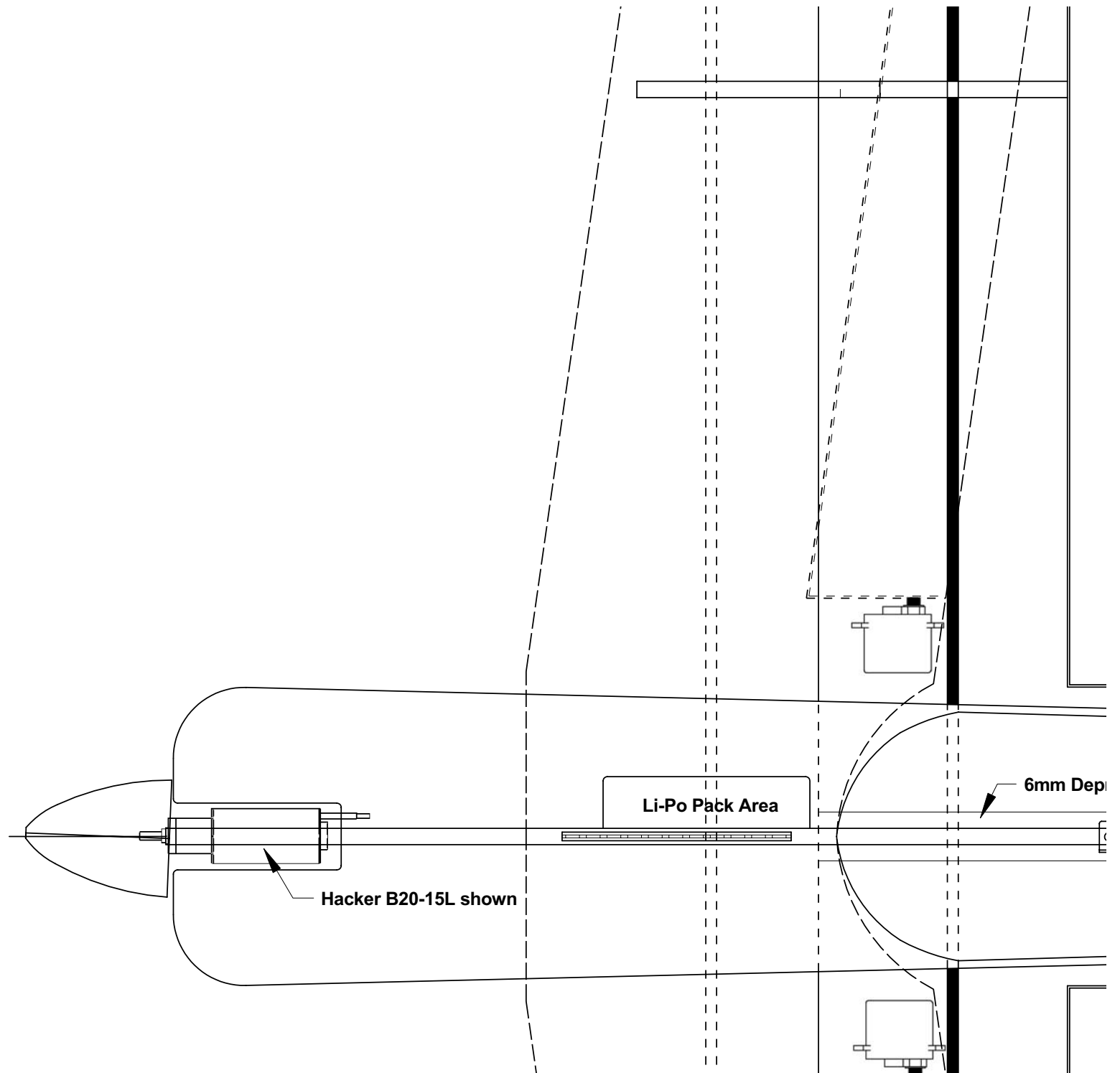
Elevator Servo (HS-56HB Sho



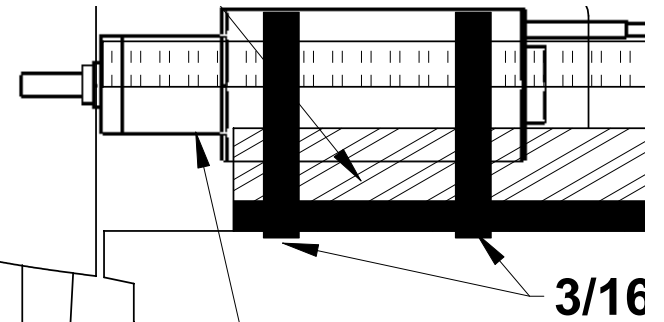
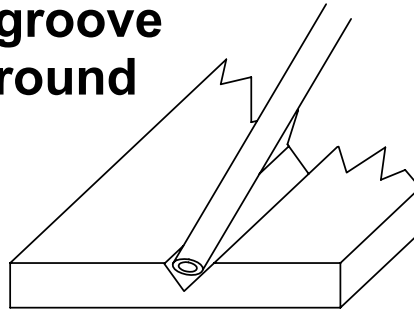
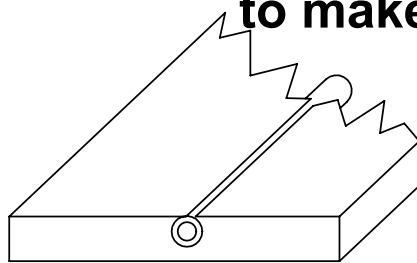
e packing
t hinge
longivity

wn)





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

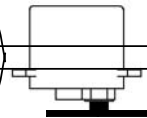
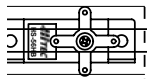


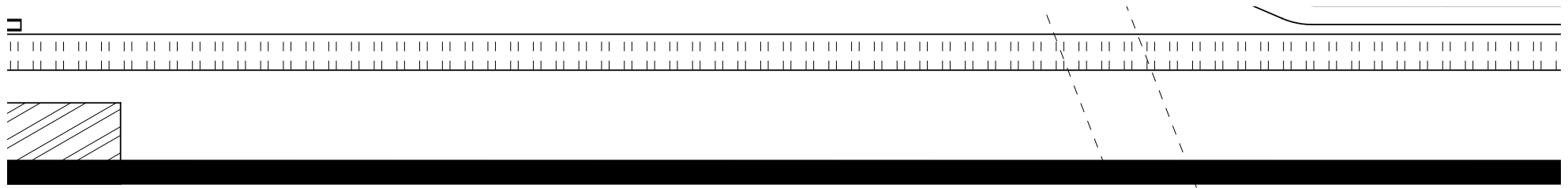
Hacker B2

Molded C

**Vacu
W**

ron Wing Saddle



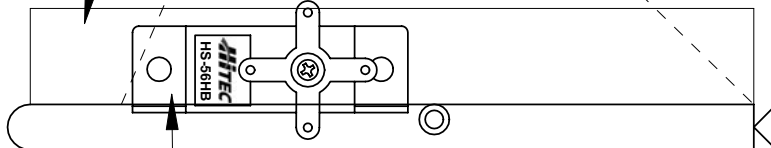


5" zipties

LiPo Battery
2100(3s2p)

6mm Depron Wing Saddle

1/64 ply gear mount plates

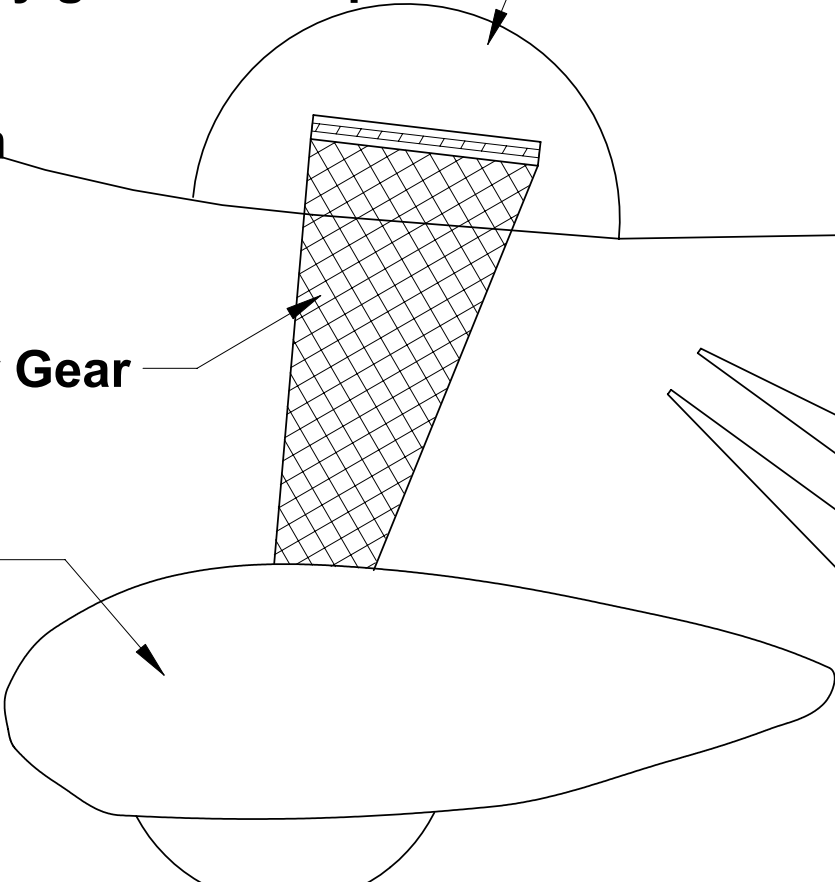


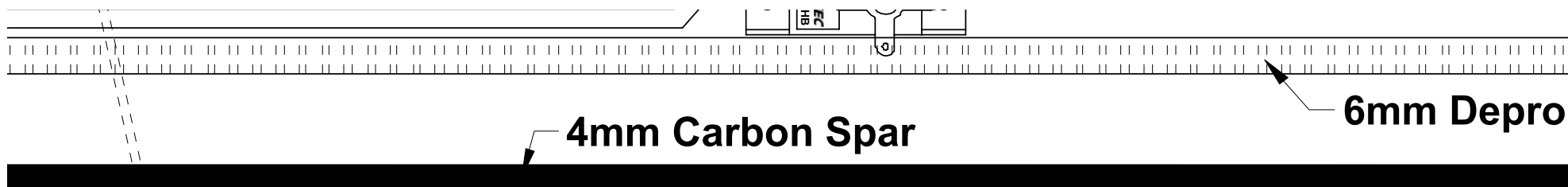
Aileron Servo (HS-56H)
1 each wing half

0-15L shown

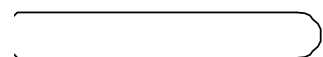
Carbon Fiber Gear

3D Printed
Wheel Pants



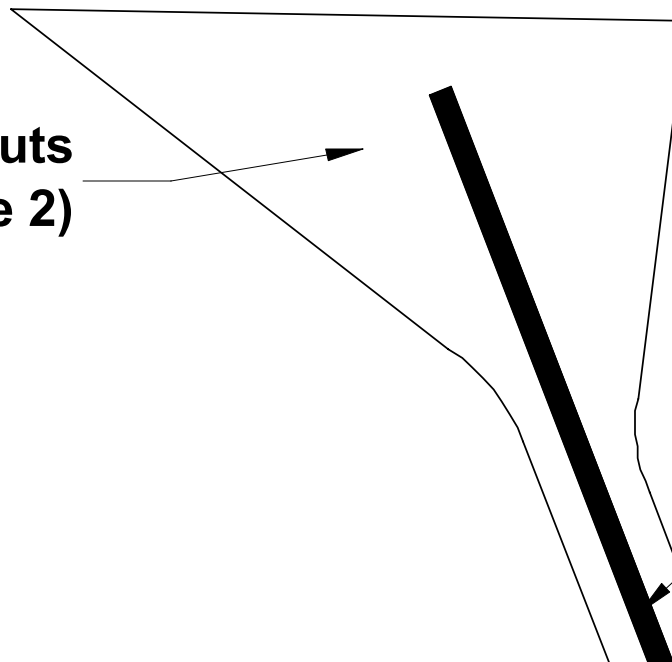


Use Cotterpin to adjust tension on pull-pull system.
Mount using Dubro EZ Conectors

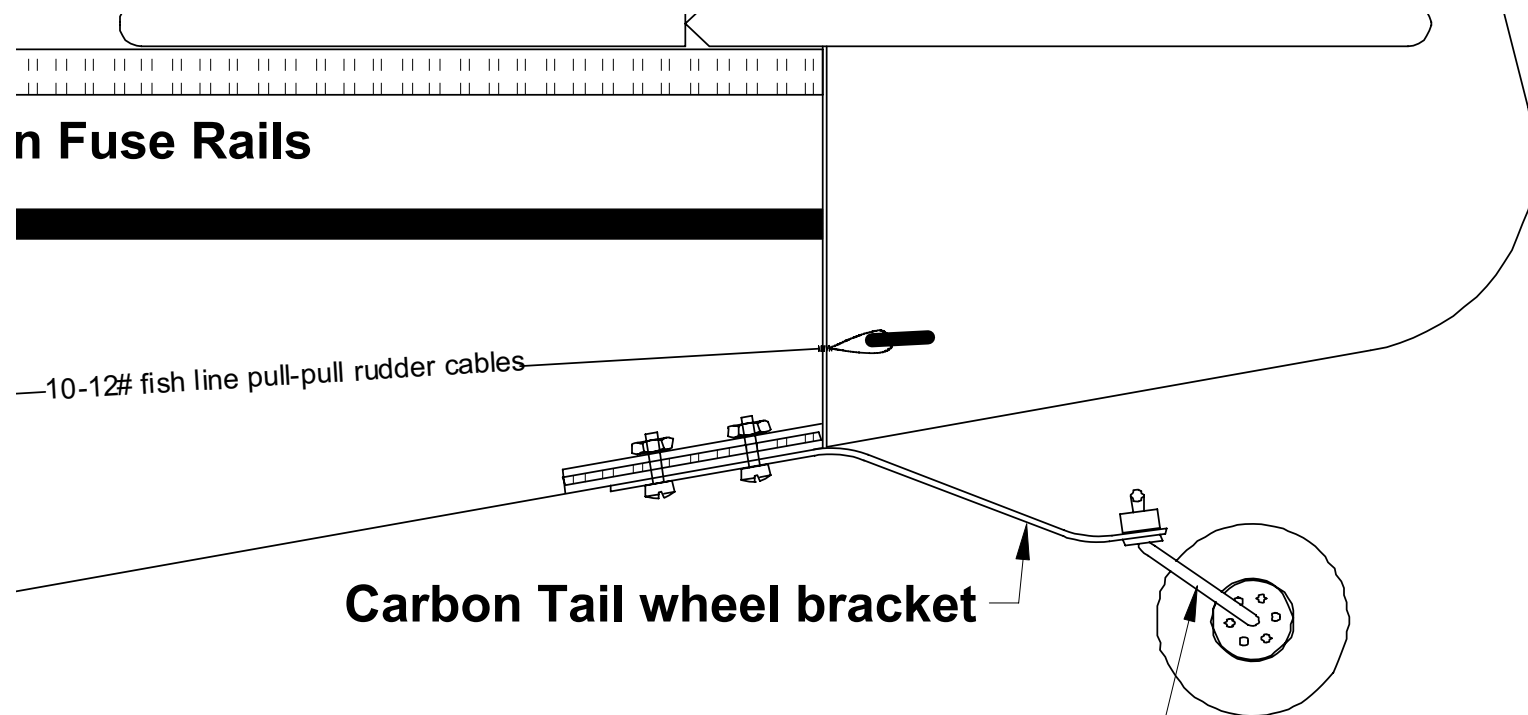


B Shown)

6mm Depron Struts
(Make 2)



n Fuse Rails



**1/16" wire wheel axel/steering arm
(Bend 90 deg. at the top to form
a control arm. Use clamp on ball
link to attach to rudder control horn)**

Motor/Battery Info

Motor Gearing Prop Battery Amp Draw Thrust

GWS EPS350C DS (6.6:1) GWS 12x6 2s1p Lipo 9.5 17.1 oz.

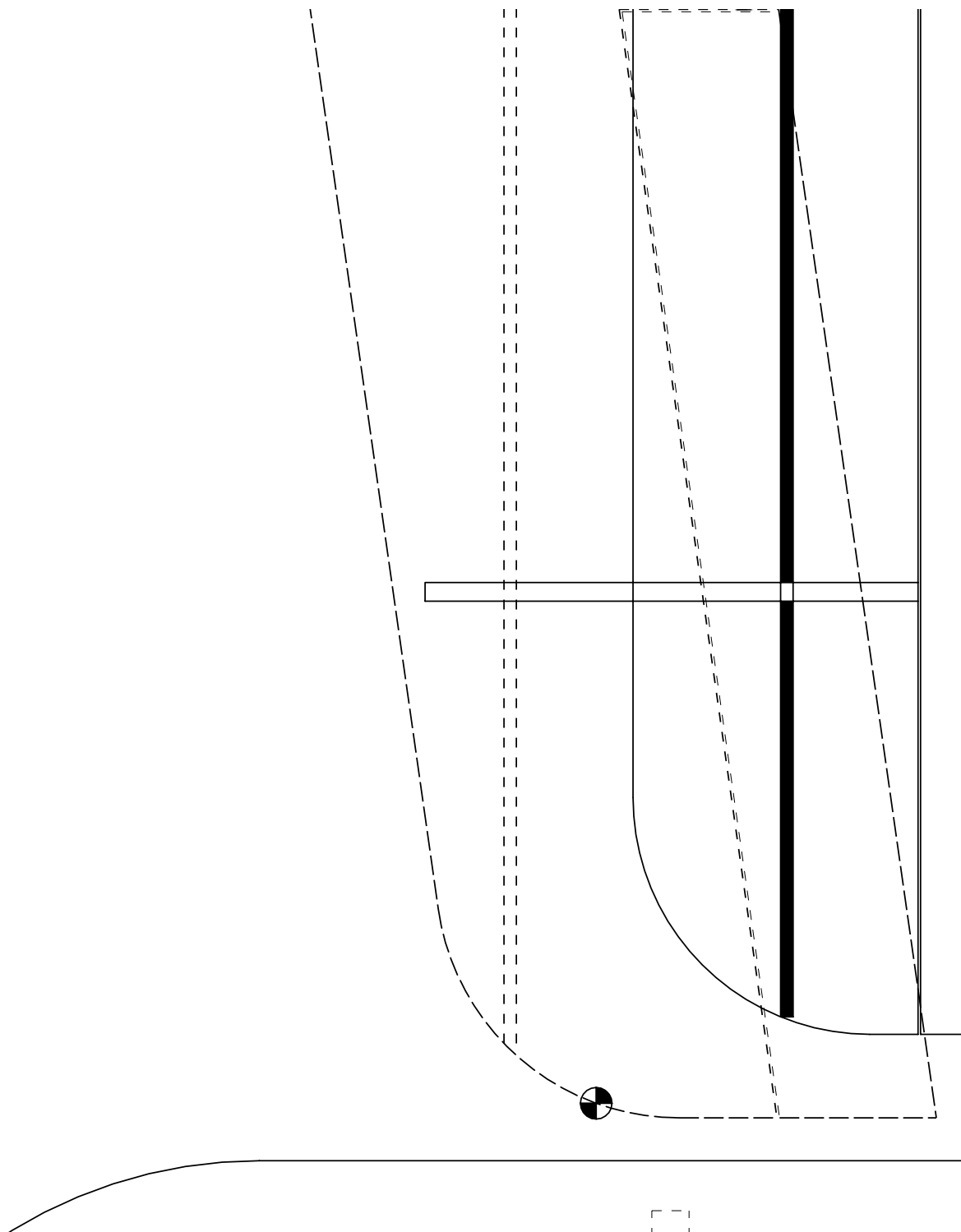
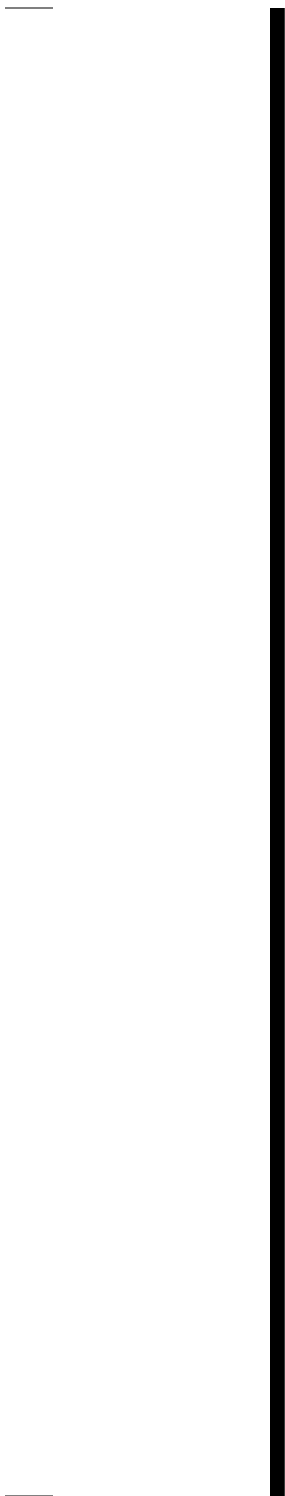
GWS EPS350C DS (6.6:1) GWS 11x4.7 3s1p Lipo 11.5 24.3 oz.

Hacker B20-26S 4:1 Planetary APC 11x4.7 3s1p LiPo 11 amps 22.1 oz.

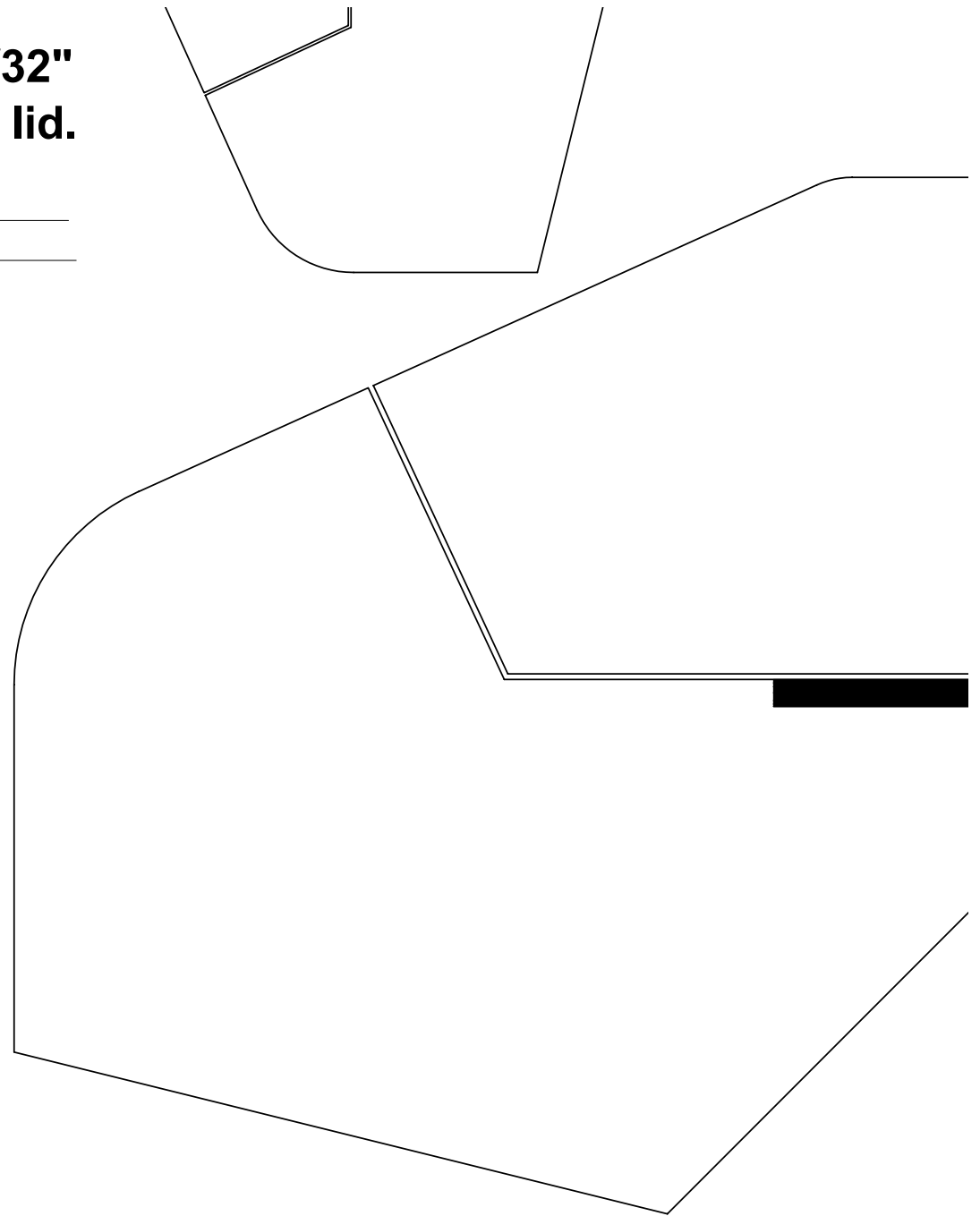
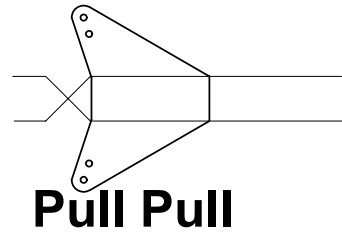
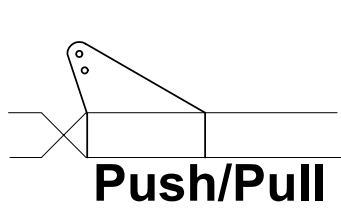
Hacker B20-31S 4:1 Planetary APC 11x4.7 3s1p LiPo 7.7 amps 18.6 oz.

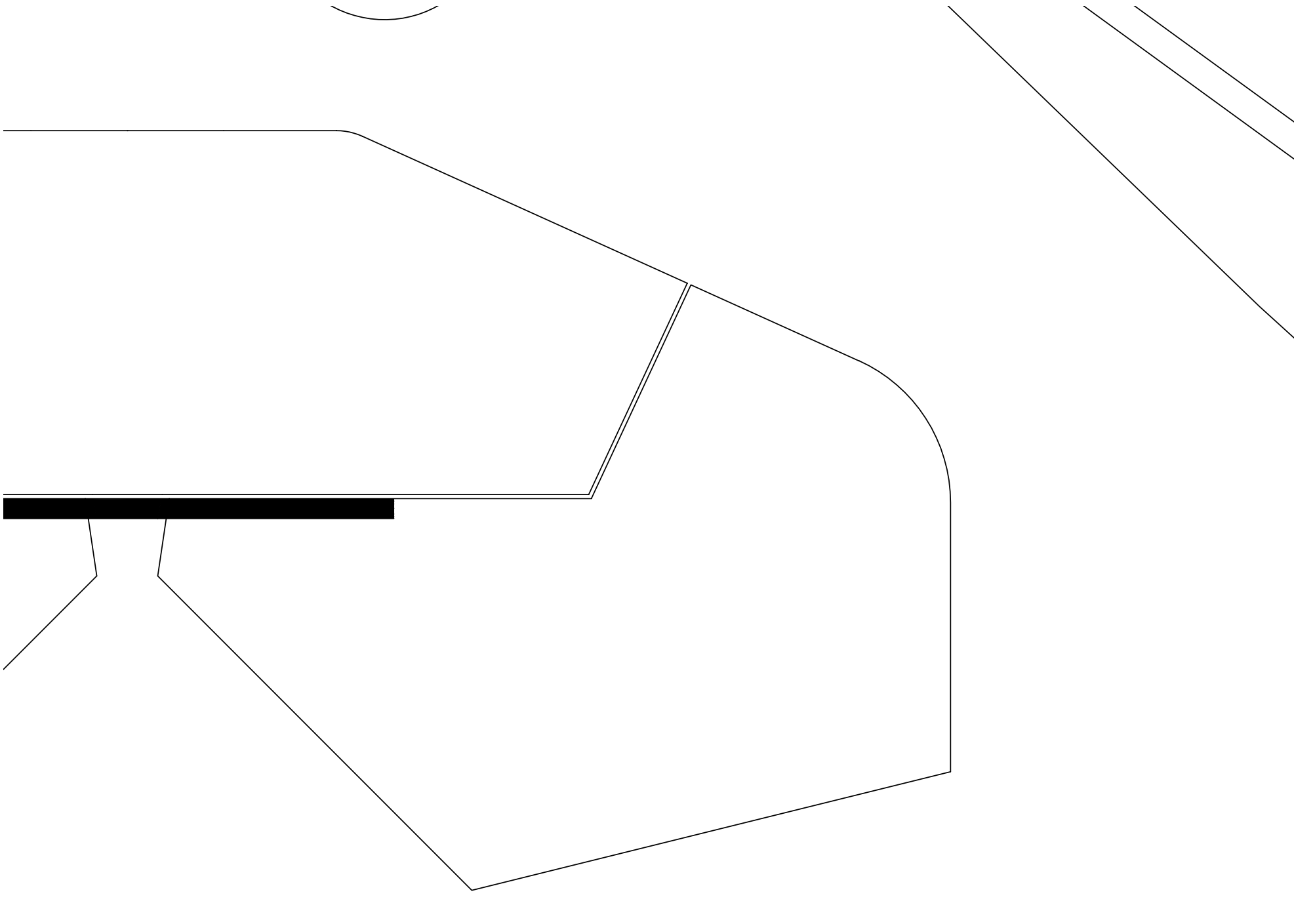
Hacker B20-15L 4:1 Planetary APC 11x4.7 3s2p LiPo 19.5 amps 38.5 oz.

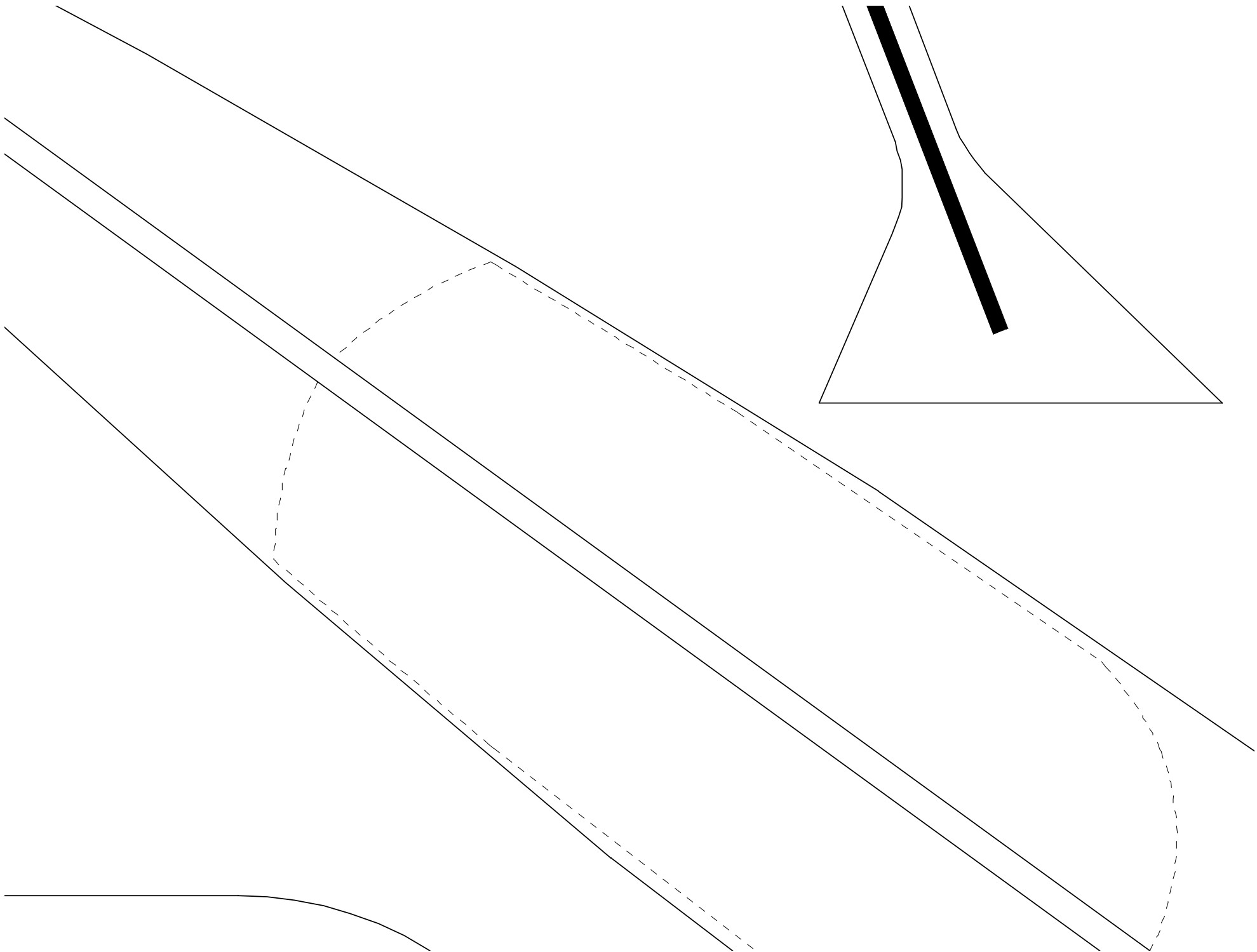
Hacker B20-15L 4:1 Planetary APC 11x4.7 2s1p LiPo 10.8 amps 20.6 oz.



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



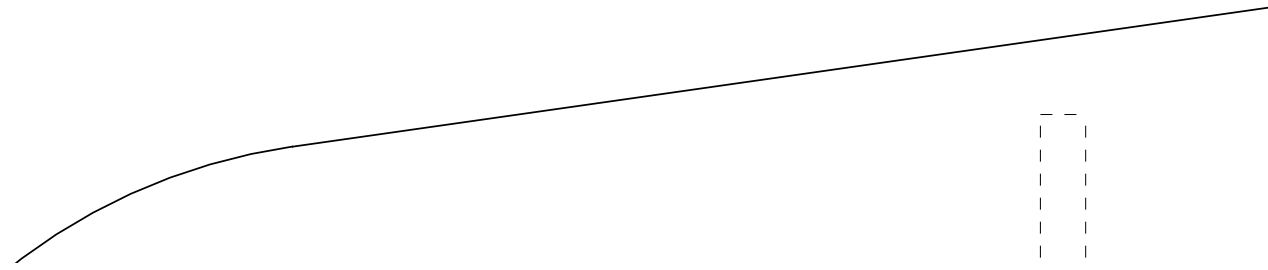
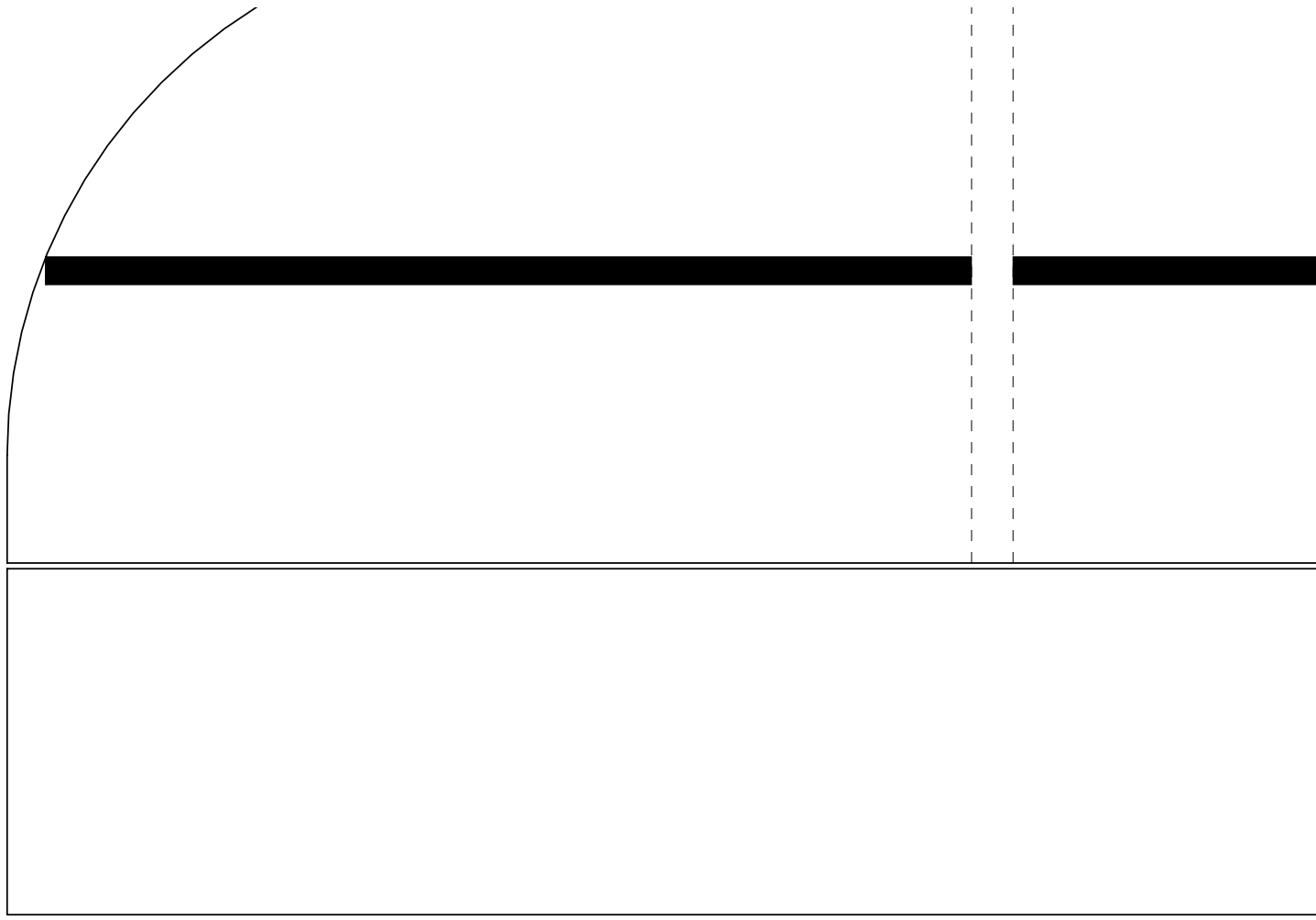


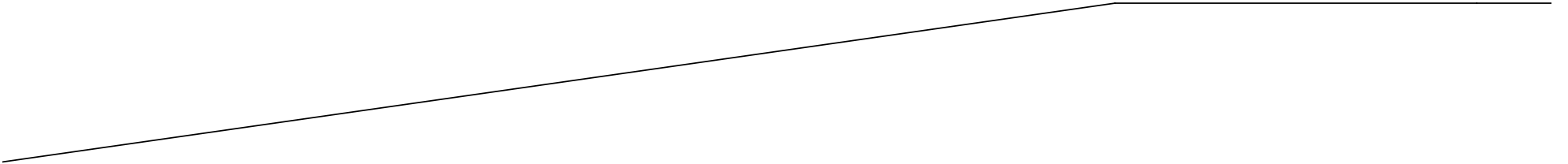
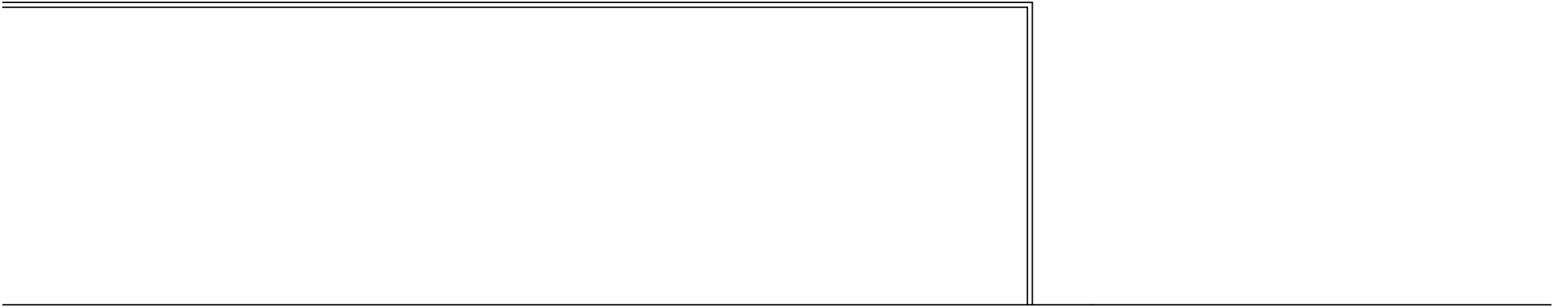


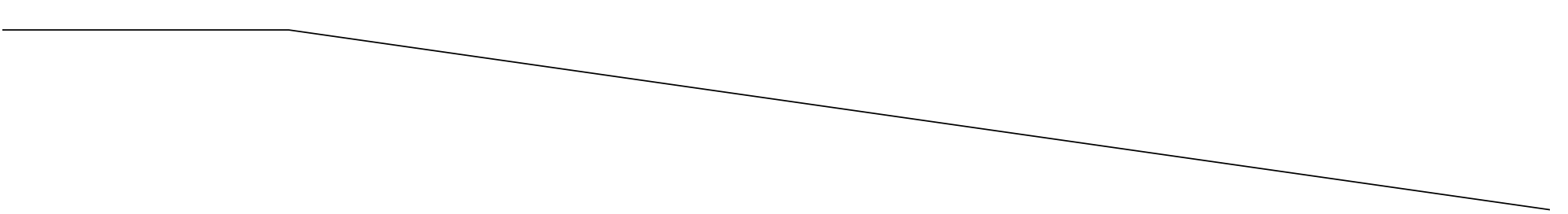
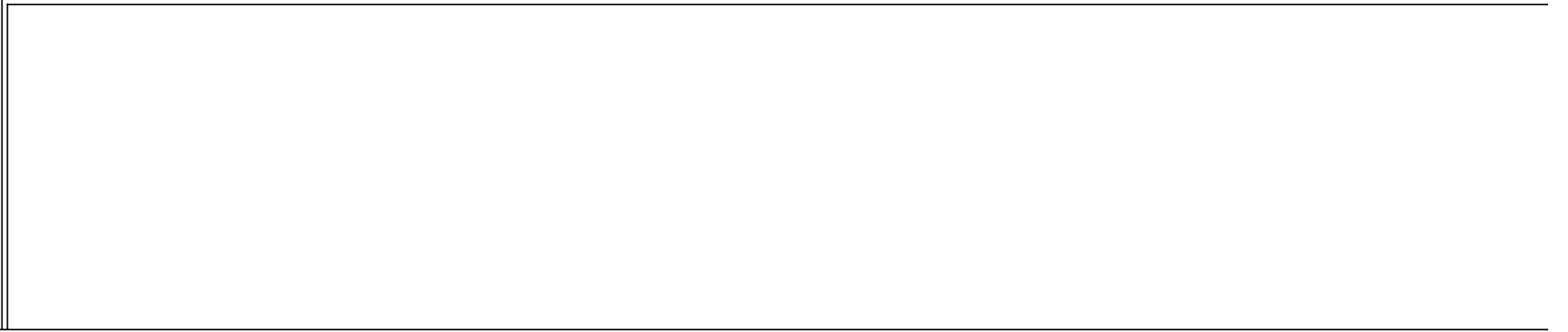
Hacker B20-18L 4:1 Planetary APC 11x4.7 3s1p LiPo 11.7 amps 27.7 oz.
Hacker B20-18L 4:1 Planetary APC 12x6 3s2p LiPo 19 amps 36.7 oz.
Razor RZ300 GWS/5.3:1 GWS 11x4.7 2s1p LiPo 8.8 amps 15.7 oz.
Razor RZ300 GWS/5.3:1 GWS 12x6 2s1p LiPo 9.9 amps 18.5 oz.
Razor RZ300 GWS/6.6:1 GWS 11x4.7 3s1p LiPo 12 amps 26 oz.
Razor RZ350 GWS/6.6:1 GWS 12x6 3s1p LiPo 12.4 amps 27 oz.
Razor RZ350 GWS/6.6:1 GWS 11x4.7 3s1p LiPo 8.7 amps 21.2 oz.
Razor MicroHeli v2 GWS/6.6:1 GWS 12x6 3s1p LiPo 8.9 amps 22.8 oz.
PJS 3D 500 Direct APC 10x4.7 3s2p LiPo 16.4 amps 21.9 oz.
PJS 3D 550 Direct APC 10x4.7 3s2p LiPo 13.8 amps 20.7 oz.
HiMax HA2015-3600 GWS/5.3:1 GWS 12x6 3s1p LiPo 8.7 amps 20.5 oz.
HiMax HA2015-3600 GWS/6.6:1 GWS 12x6 3s1p LiPo 6.5 amps 18.5 oz.
HiMax HA2015-4100 GWS/6.6:1 GWS 12x6 3s1p LiPo 11.2 amps 26.4 oz.
HiMax HA2015-4100 GWS/5.3:1 GWS 11x4.7 3s1p LiPo 11.6 amps 25.2 oz.
HiMax HA2015-5400 GWS/6.6:1 GWS 12x6 2s1p LiPo 10.2 amps 17.8 oz.
HiMax HA2025-3236 3.6:1 Planetary APC 11x4.7 3s2p LiPo 14 amps 29.3 oz.
HiMax HA2025-3236 3.6:1 Planetary APC 12x6 3s2p LiPo 17 amps 32.2 oz.
HiMax HA2025-4236 4.3:1 Planetary APC 11x4.7 3s2p Lipo 20.2 amps 38.1 oz.

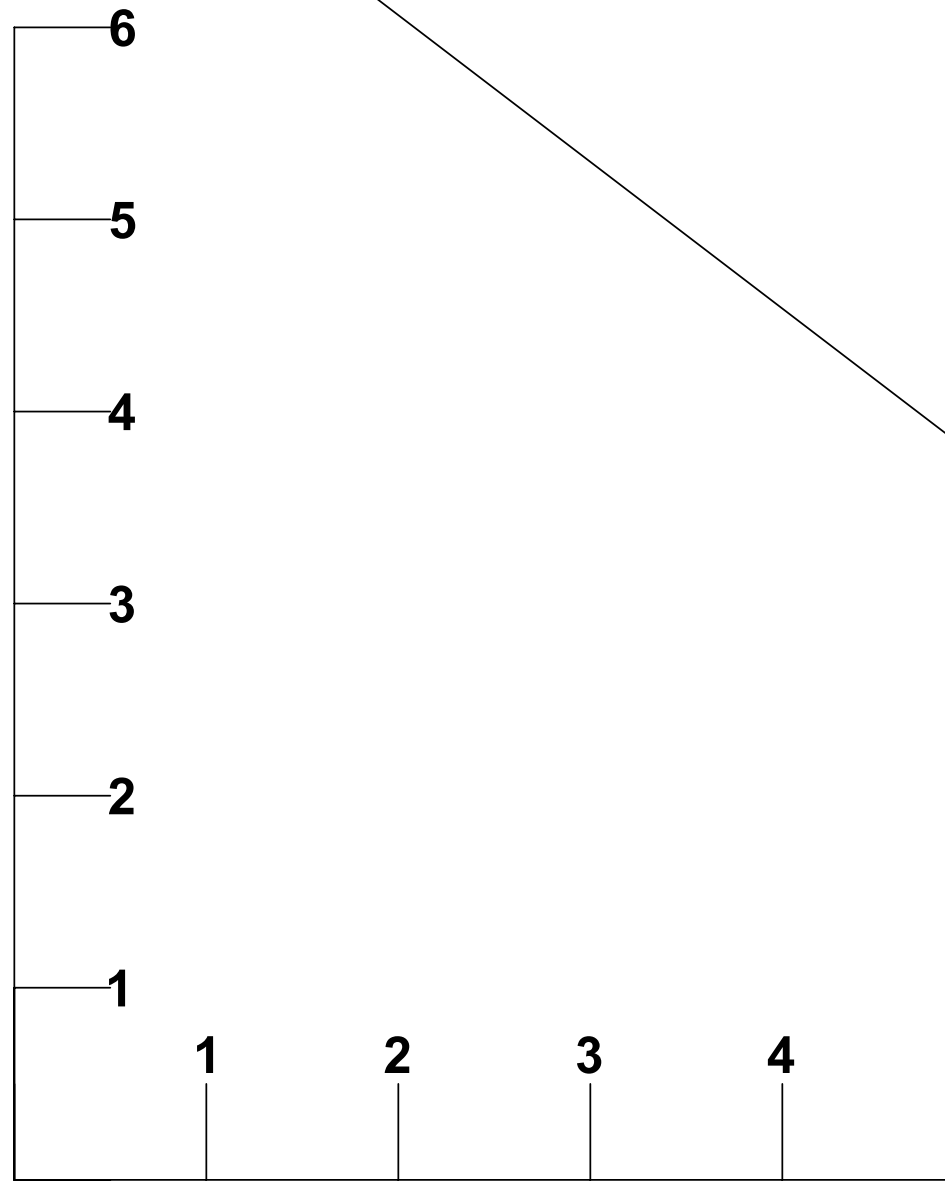
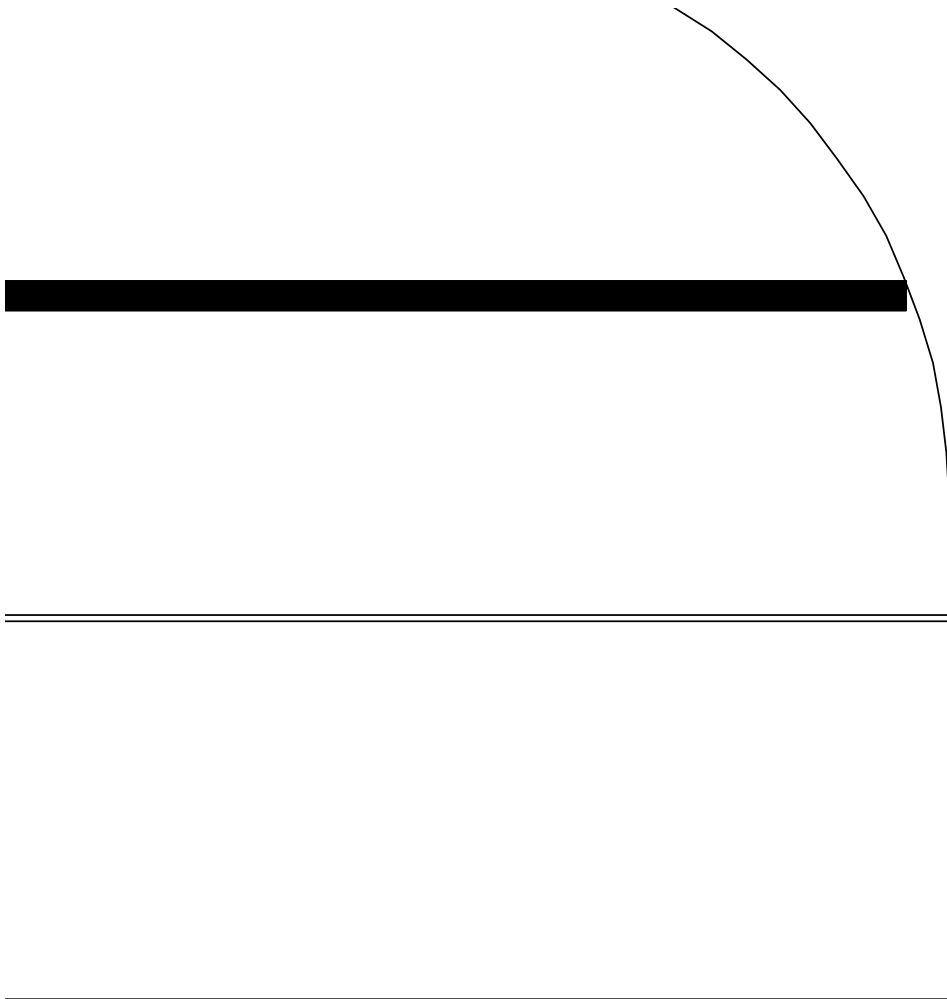
Motor stick instillation.

You will need to adjust the position of the Carbon rod and motor mount for your motor/gearbox combination. The carbon rod may be in a diferent location, that is OK.

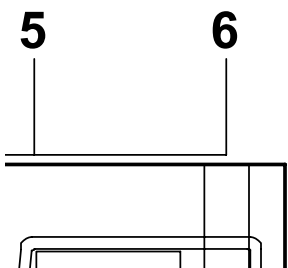
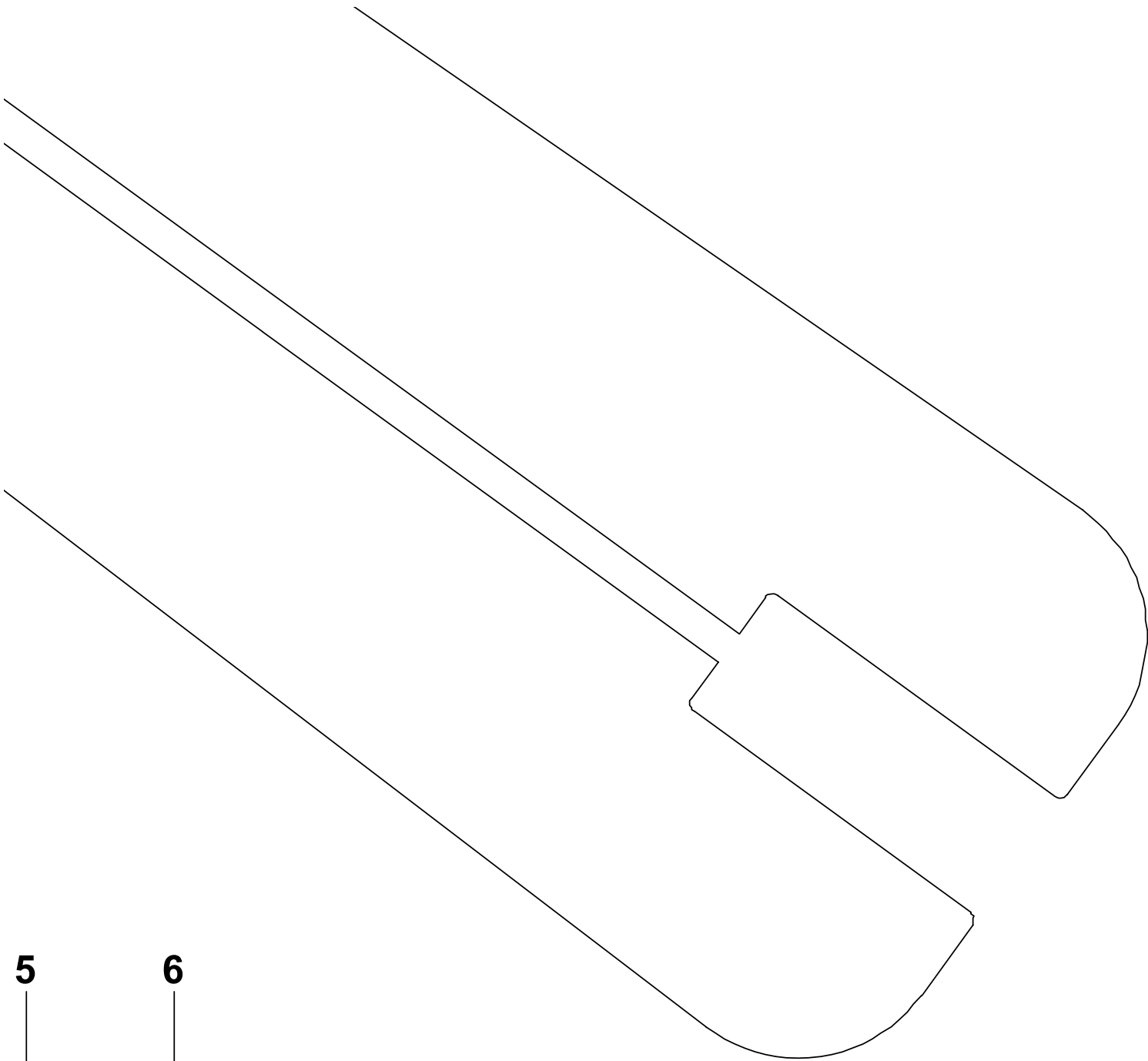


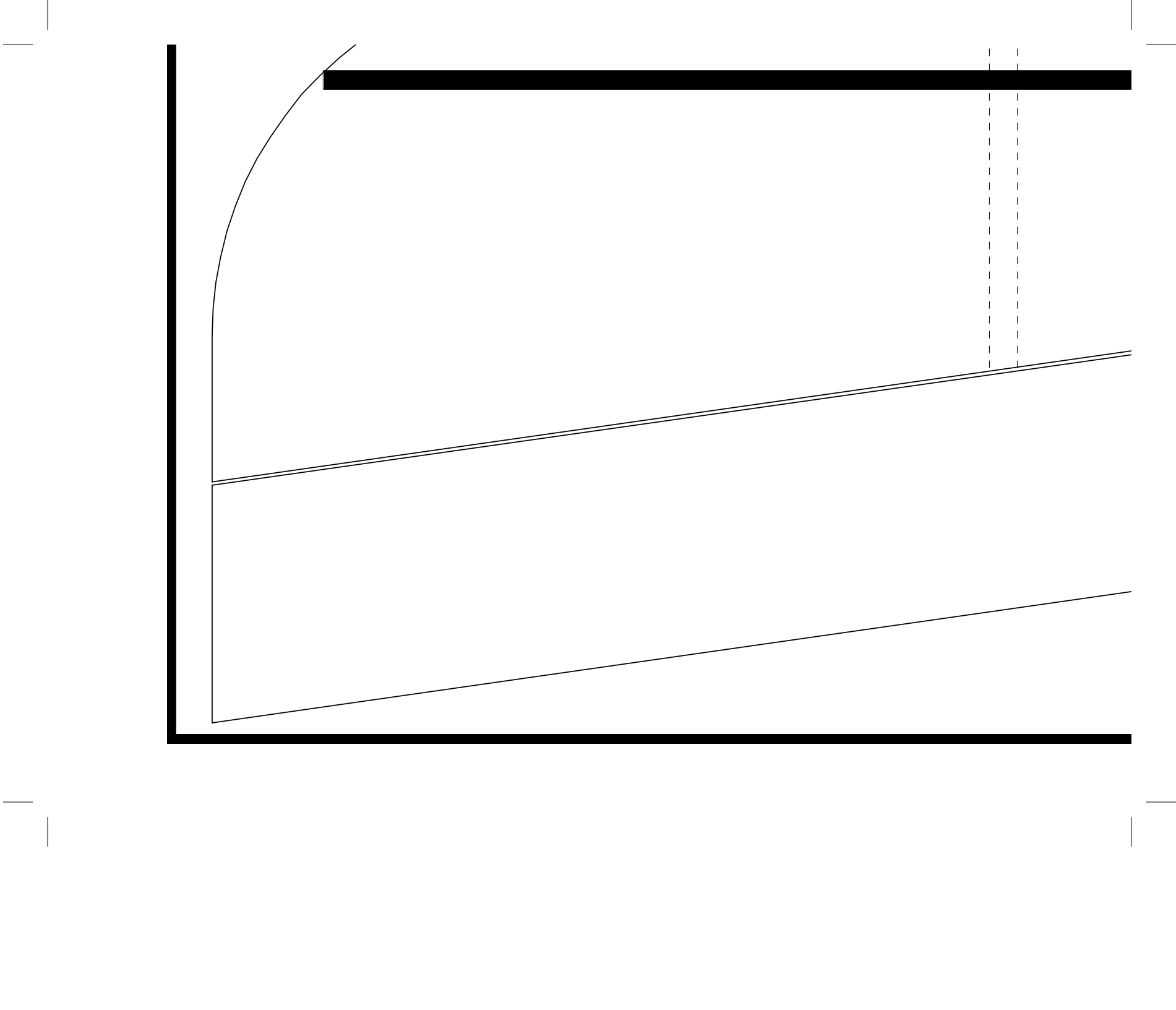


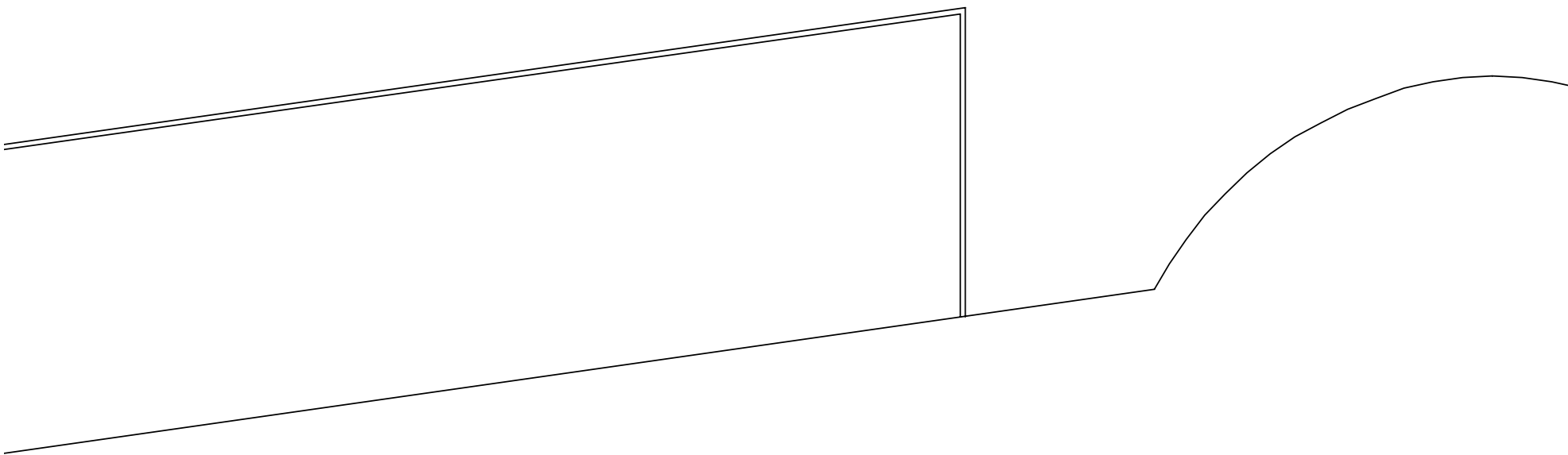


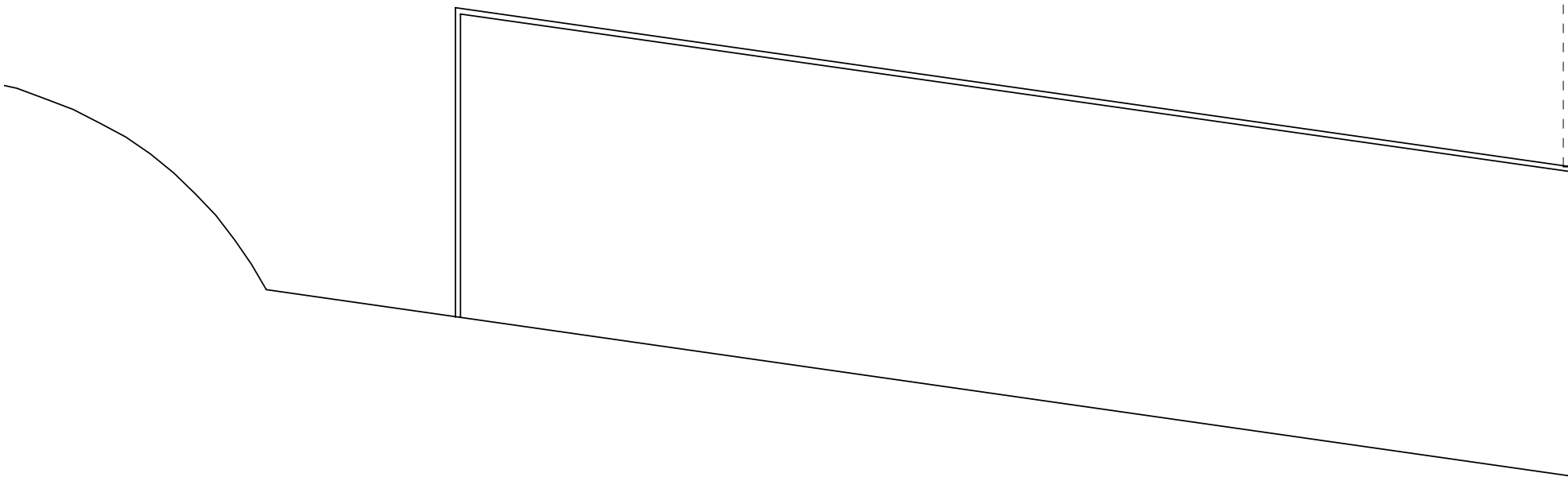


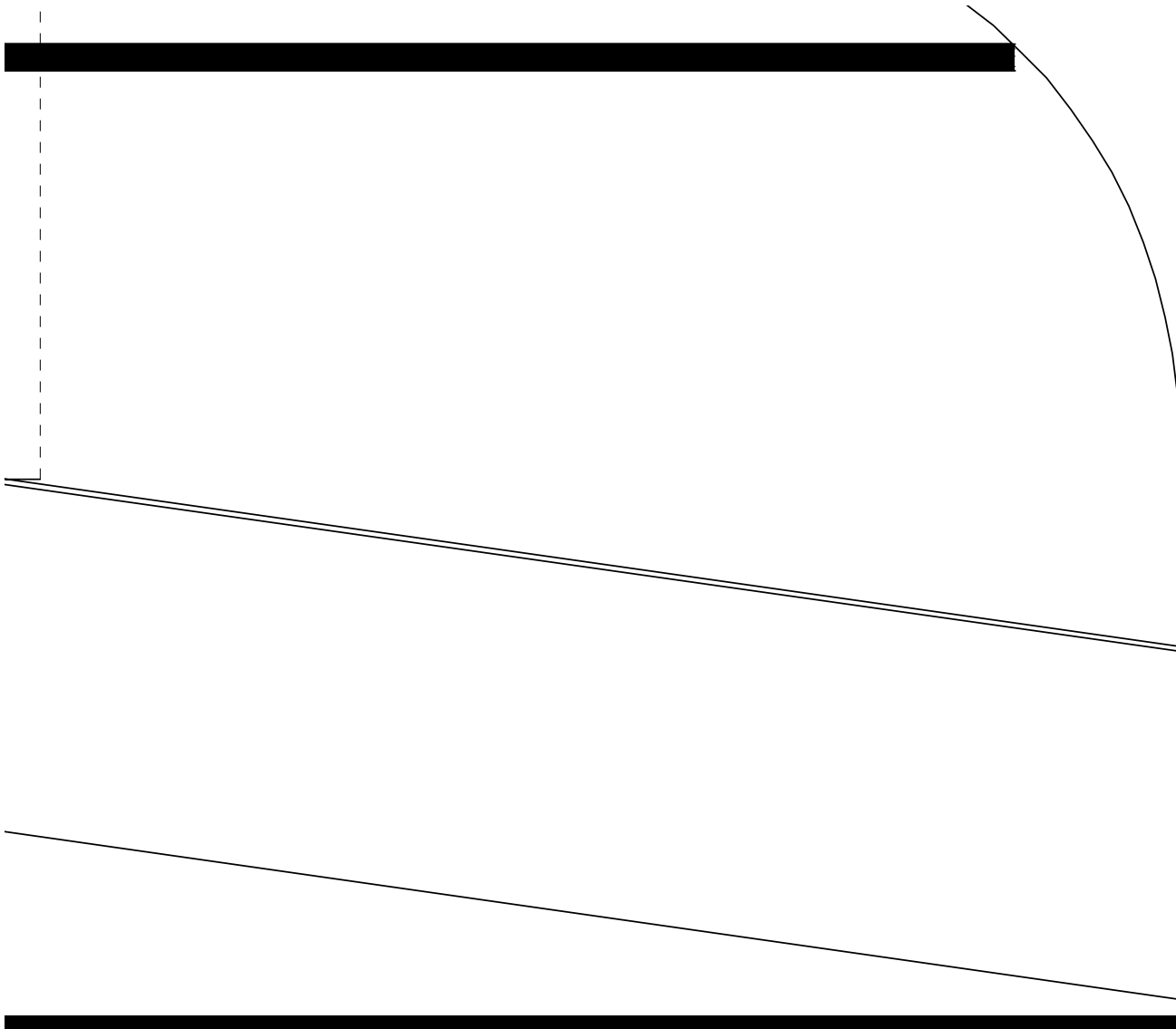
Mount Battery Pack



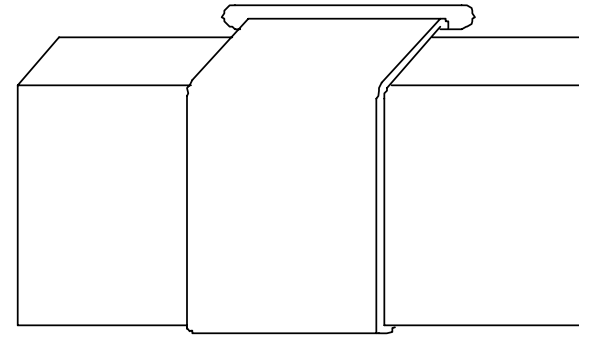






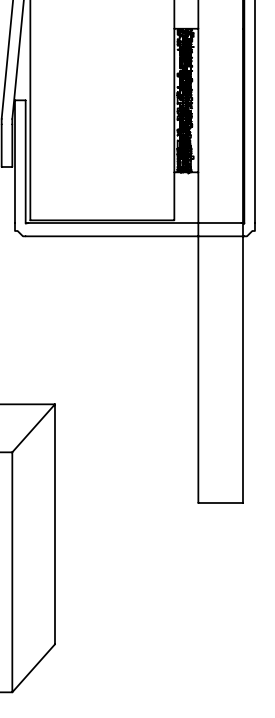


with 1" Velcro strap.
Also use adhesive
Velcro on the side of
fuselage and back of
pack to secure in
place.



Specs:

3D FC



Weight	10.5-15.5 oz.
Thrust	24-39 oz.
Radio	4-5 Chanel
Area	380.2 in2
Loading	4.0-6.1 oz/ft2
WWW.3DFOAMY.COM	

Pitts S2C 3D

FOAMY

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Designed and Drawn by Levi Jordan

Updated: 02/22/04.