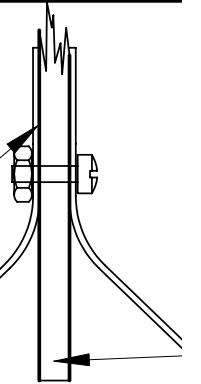
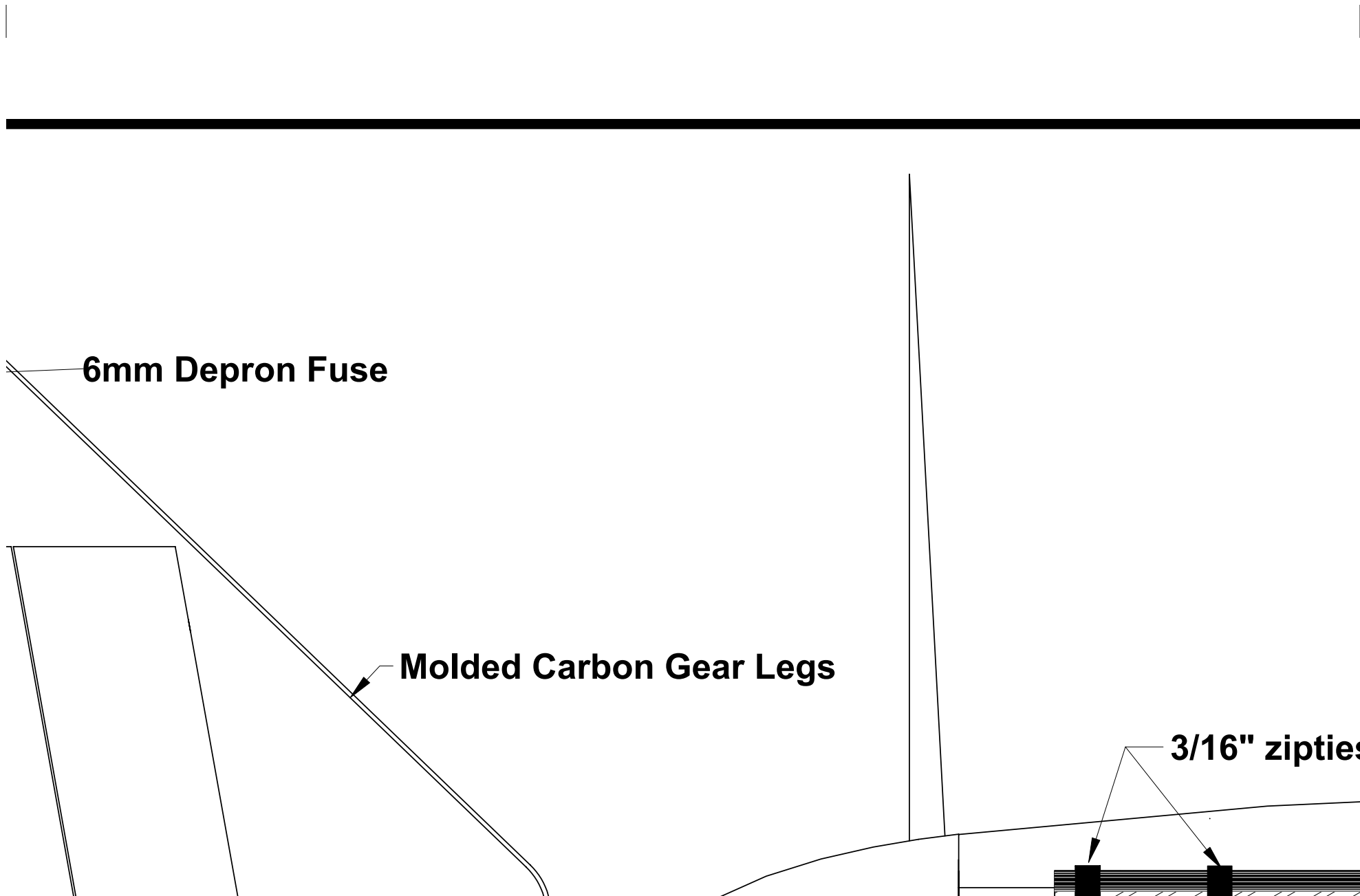


**1/64" ply doublers on both
sides of fuselage (see side view)**





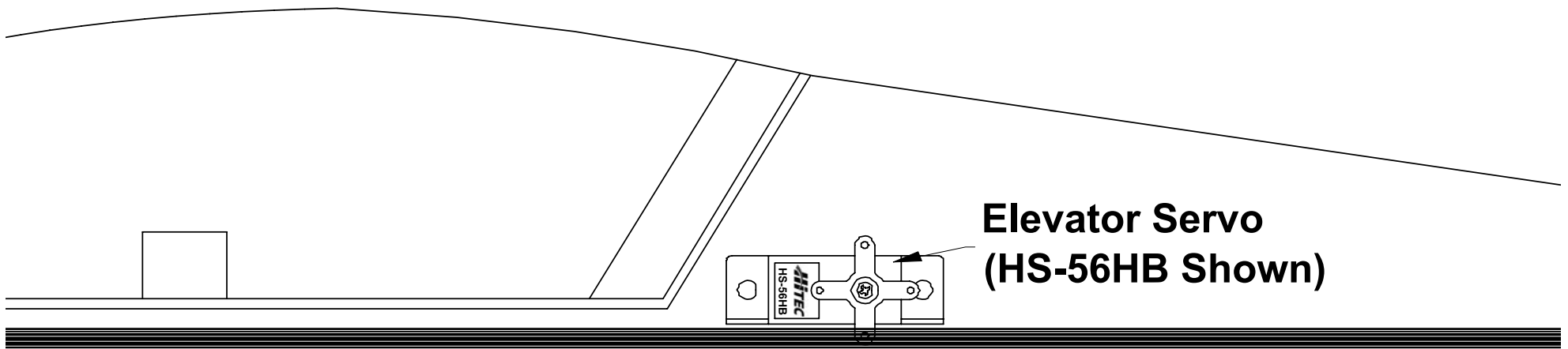
**3/8"x3/8" Hardwood motor block
Groove block to fit carbon rod.
If using GWS 350 Drive, mount
block on Carbon rod so that the
prop/drive shaft is in the same
location as shown on plans.**

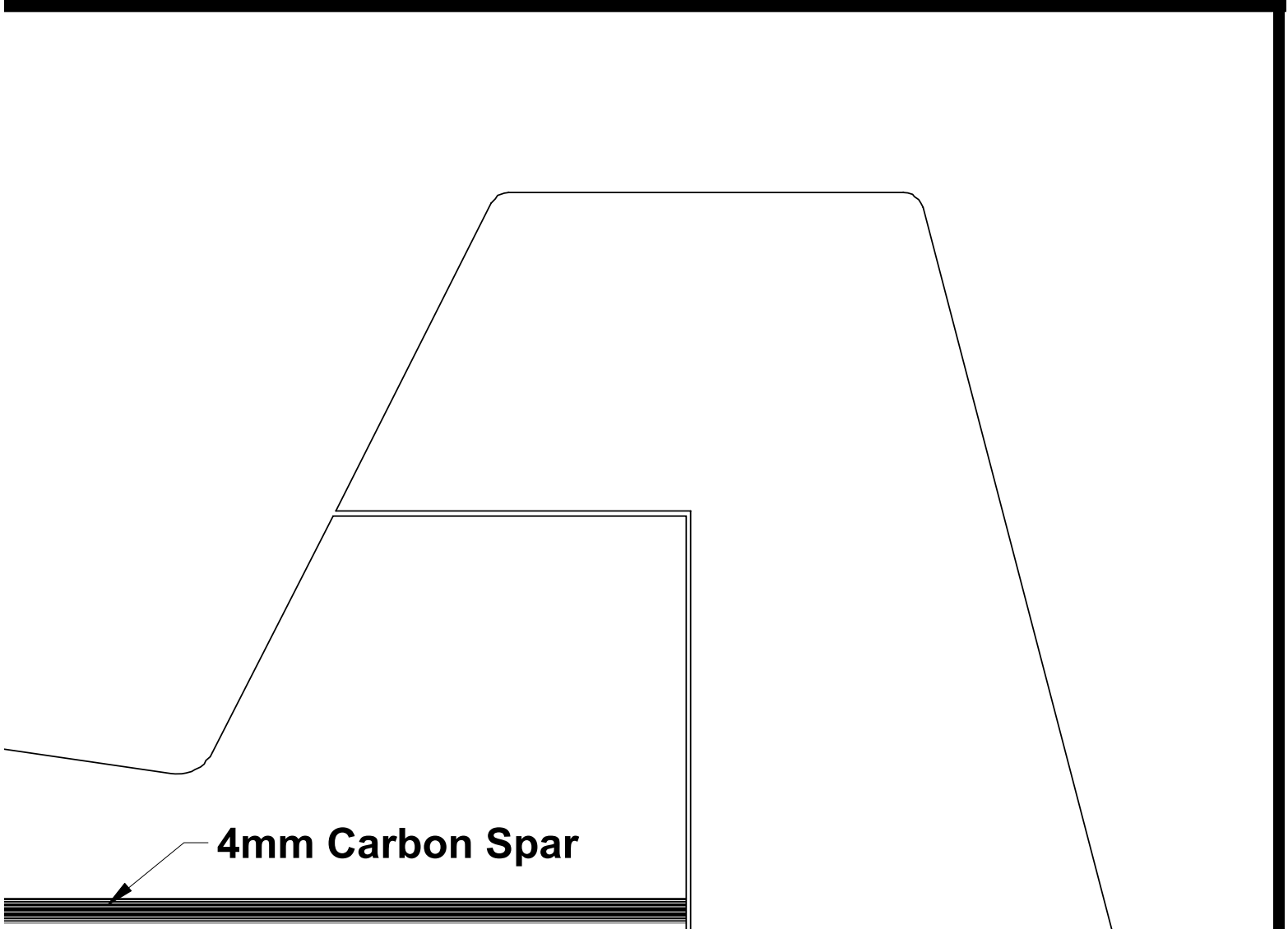
S

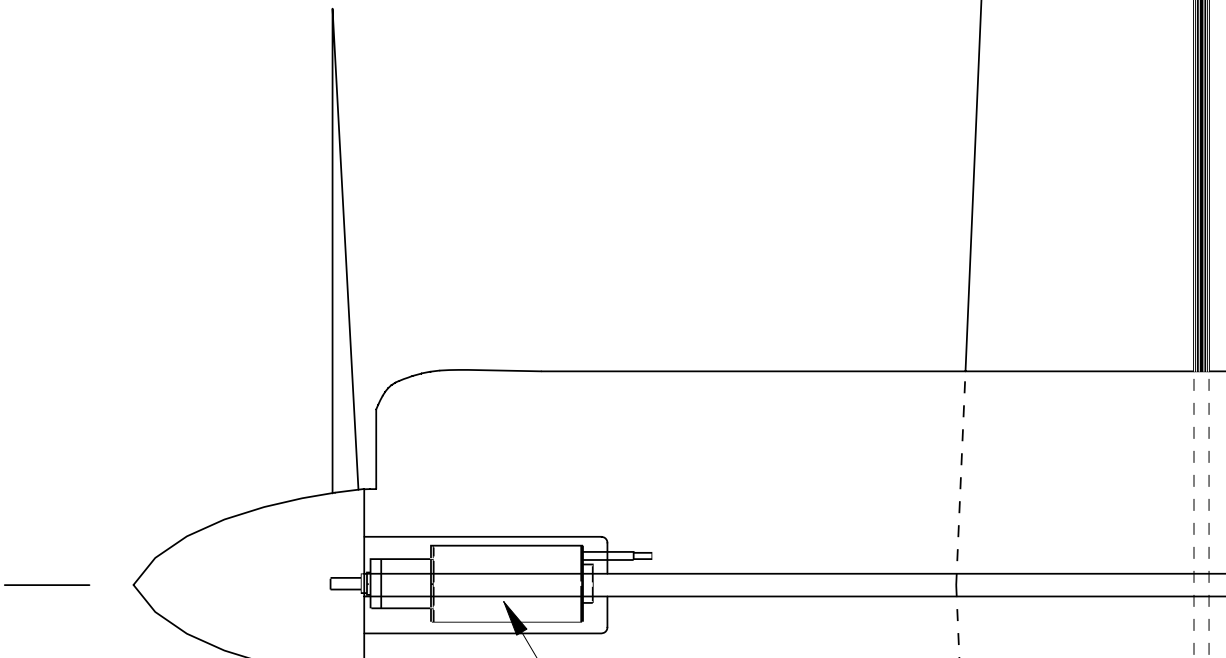
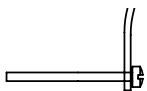


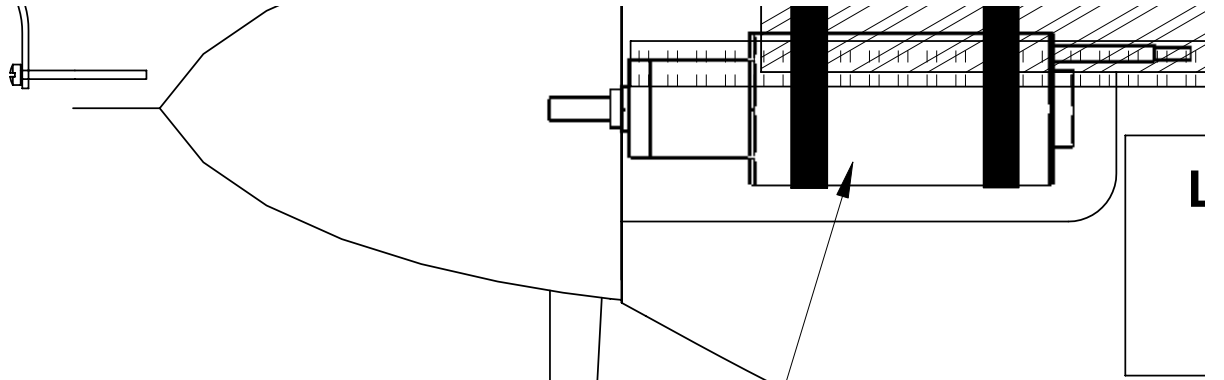
Notes on the fuse:

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.

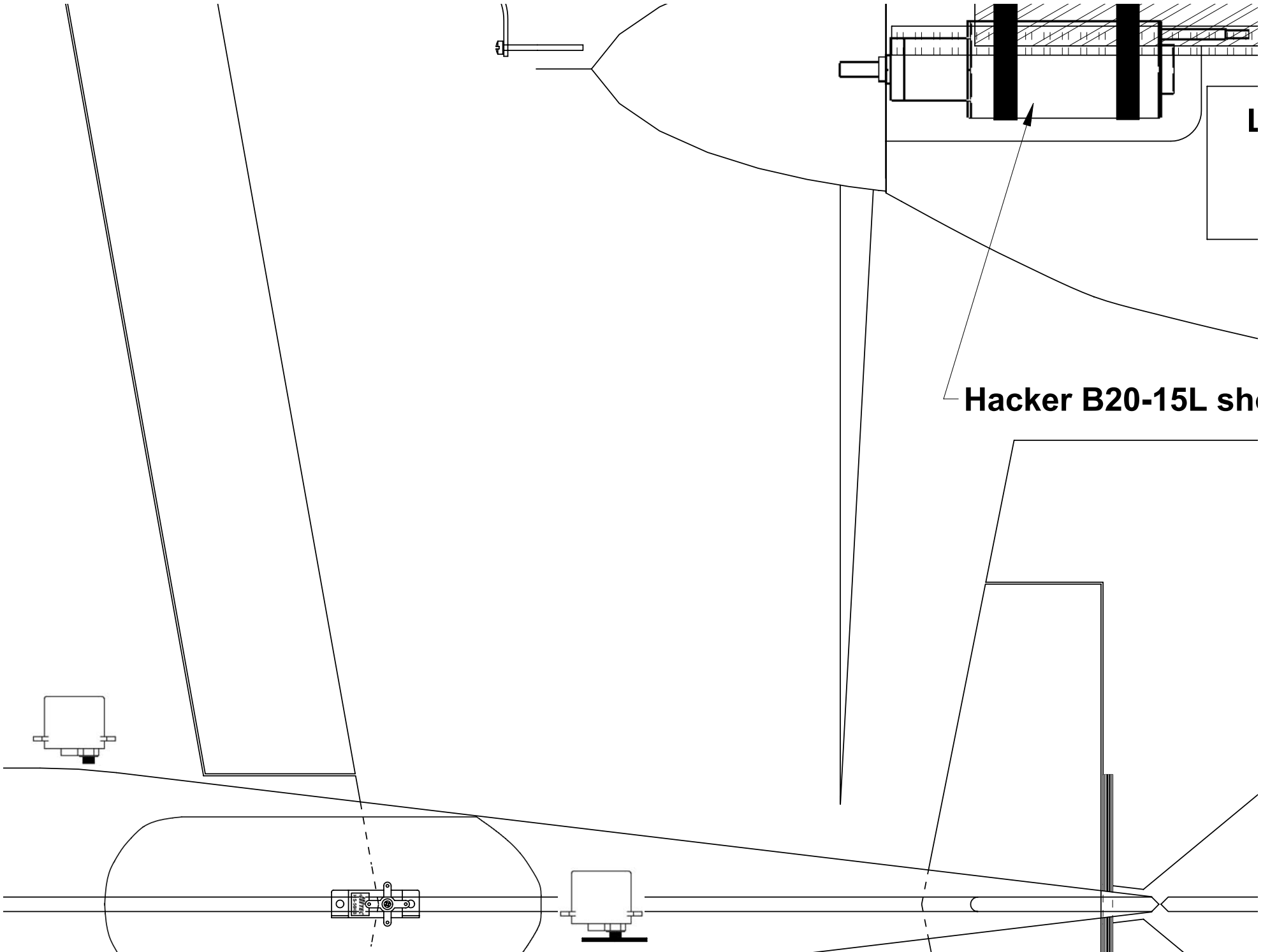


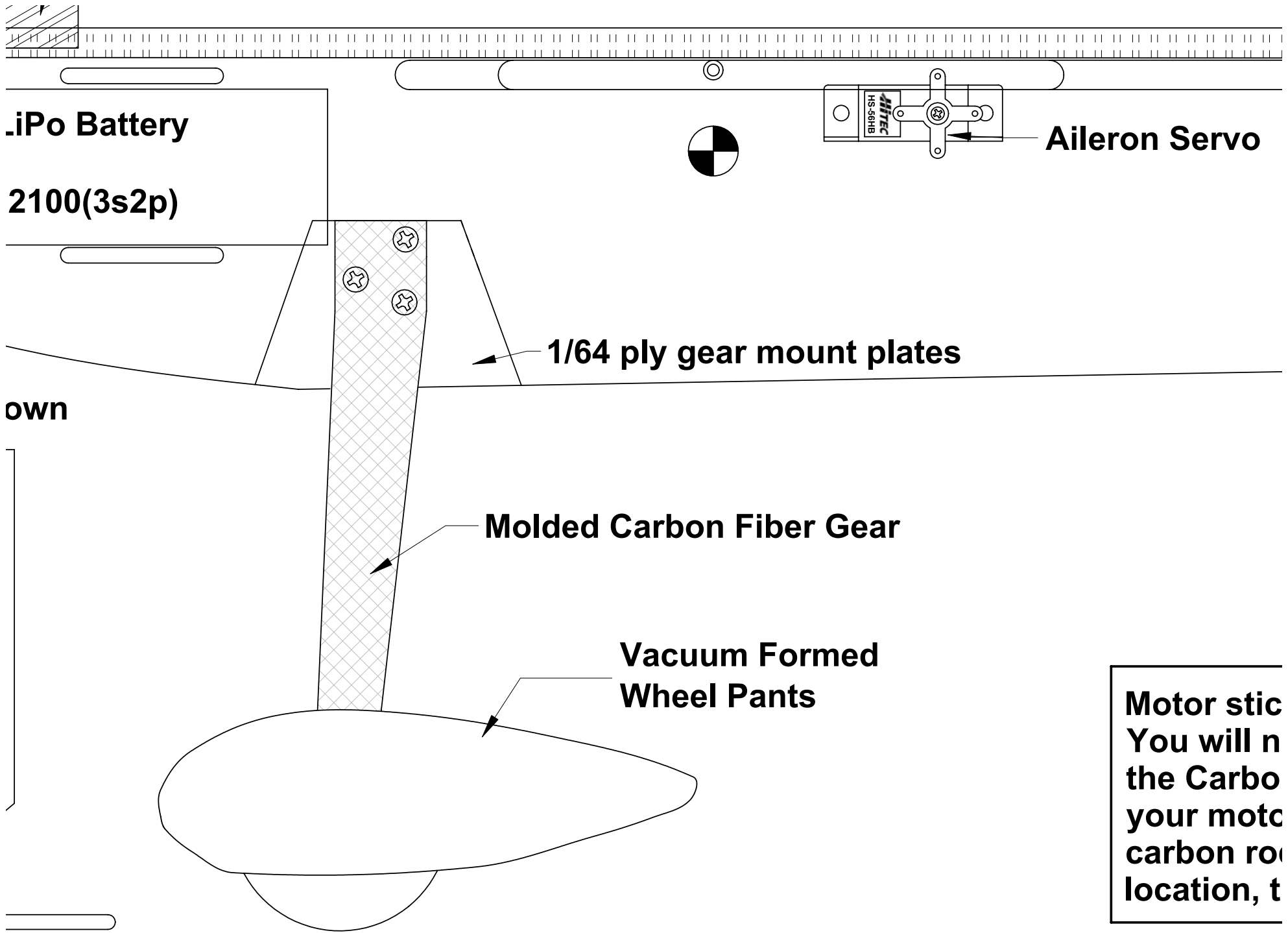






Hacker B20-15L sh





.iPo Battery
2100(3s2p)

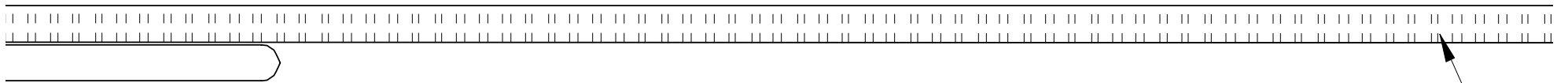
Aileron Servo

1/64 ply gear mount plates

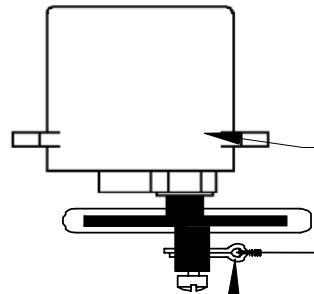
Molded Carbon Fiber Gear

**Vacuum Formed
Wheel Pants**

Motor stick
You will n
the Carbo
your motc
carbon ro
location, t



6n



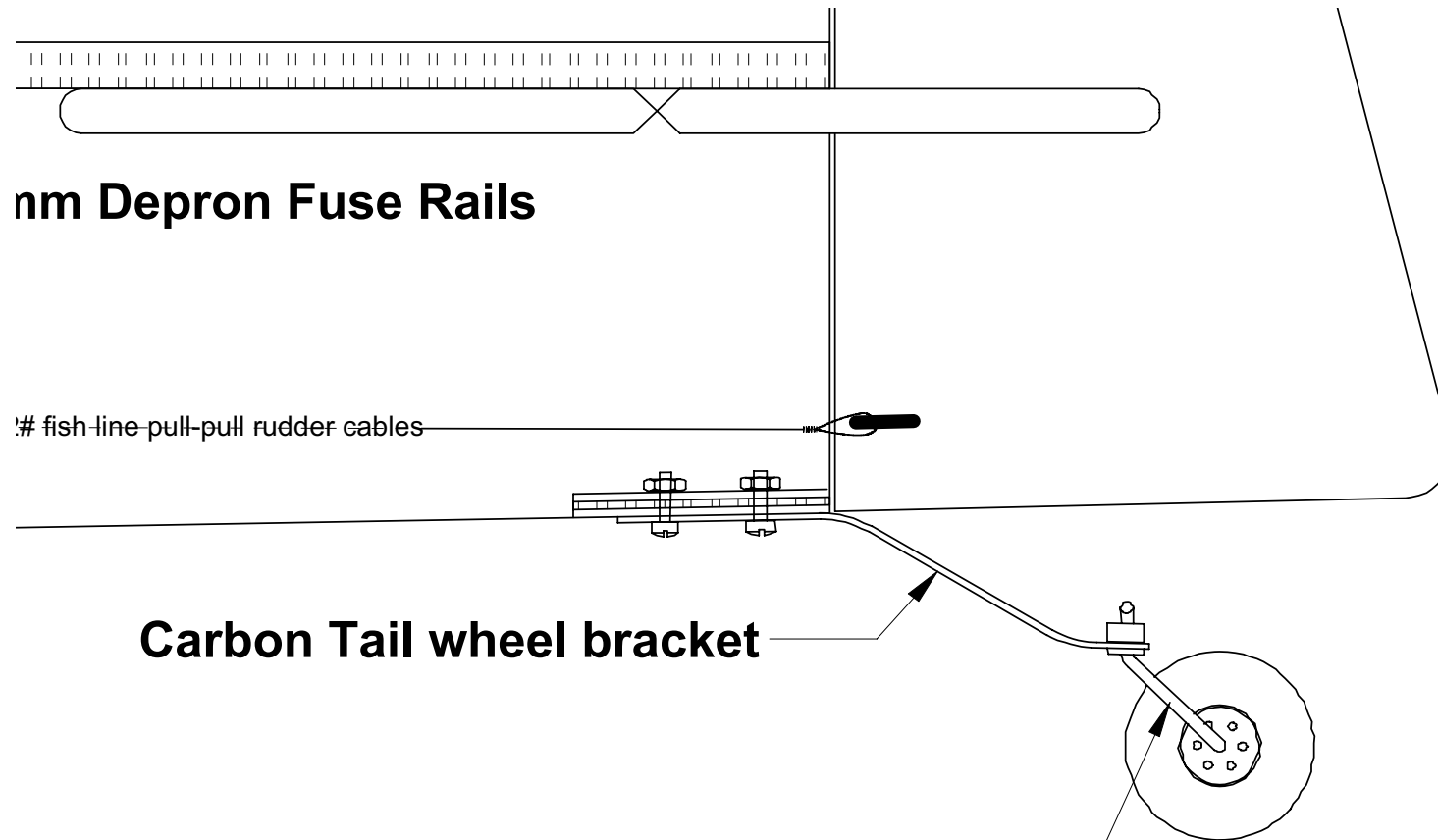
Rudder Servo (HS-56HB Shown)

10-12

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

**k instilation.
eed to adjust the position of
n rod and motor mount for
or/gearbox combination. The
d may be in a diferent
hat is OK.**

li



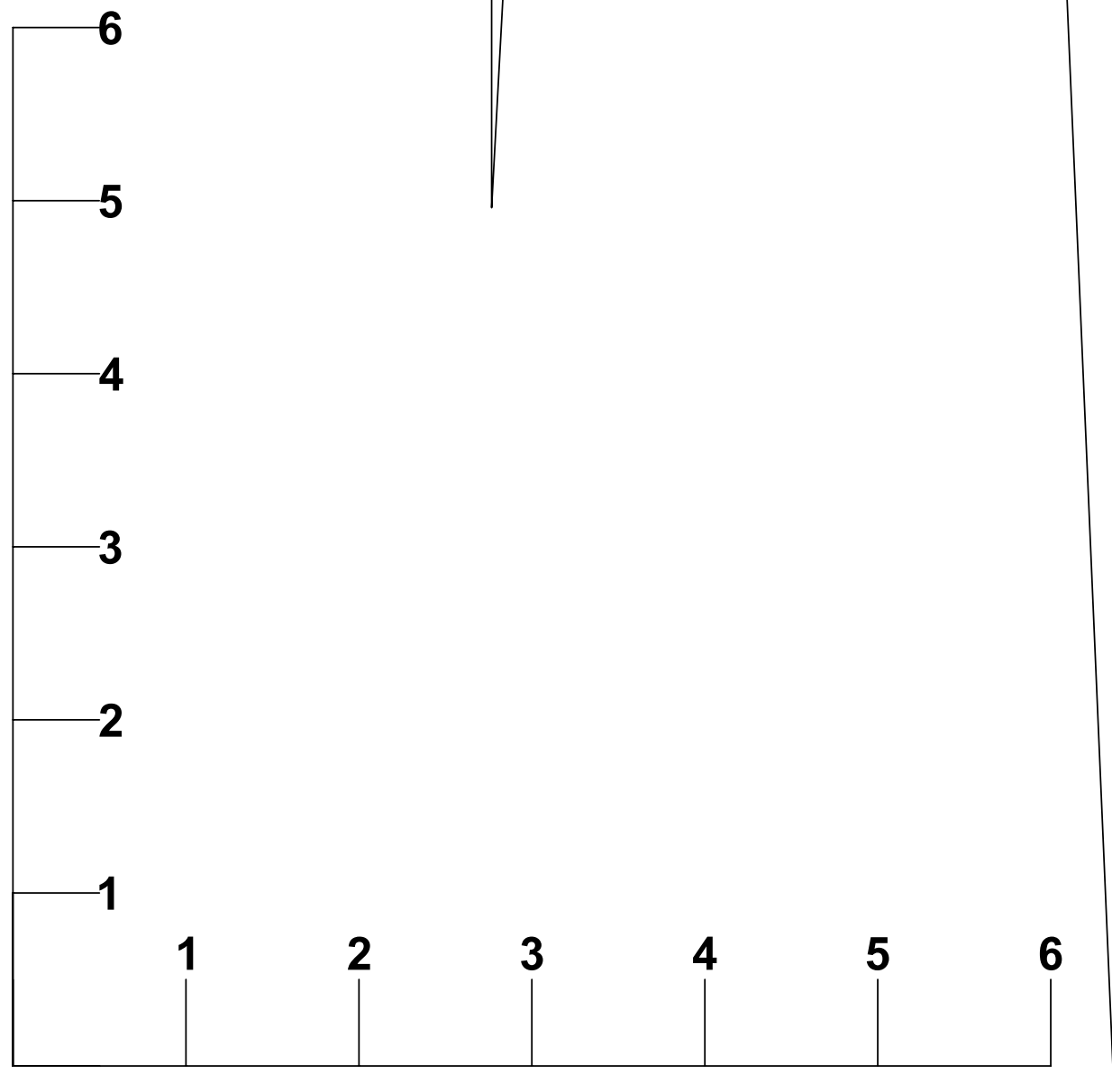
nm Depron Fuse Rails

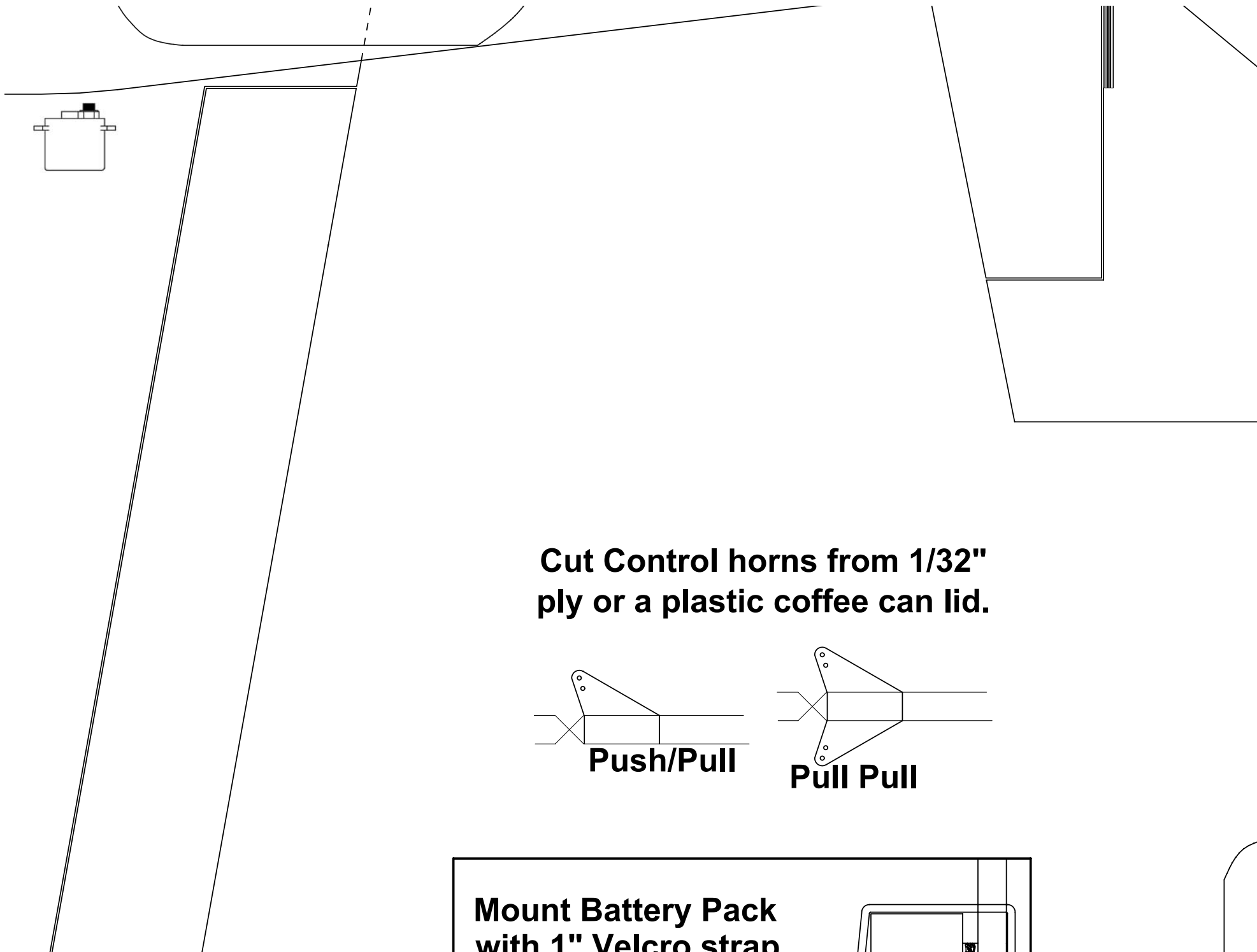
fish-line pull-pull rudder cables

Carbon Tail wheel bracket

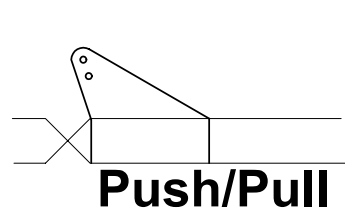
**1/16" wire wheel axel/steering arm
(Bend 90 deg. at the top to form
a control arm. Use clamp on ball
link to attach to rudder control horn)**

Hacker B20-15L shown

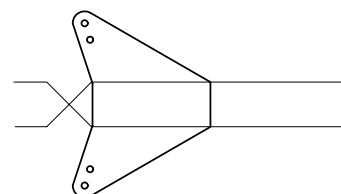




**Cut Control horns from 1/32"
ply or a plastic coffee can lid.**

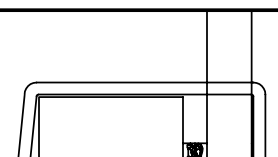


Push/Pull



Pull Pull

**Mount Battery Pack
with 1" Velcro strap.**



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.

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.

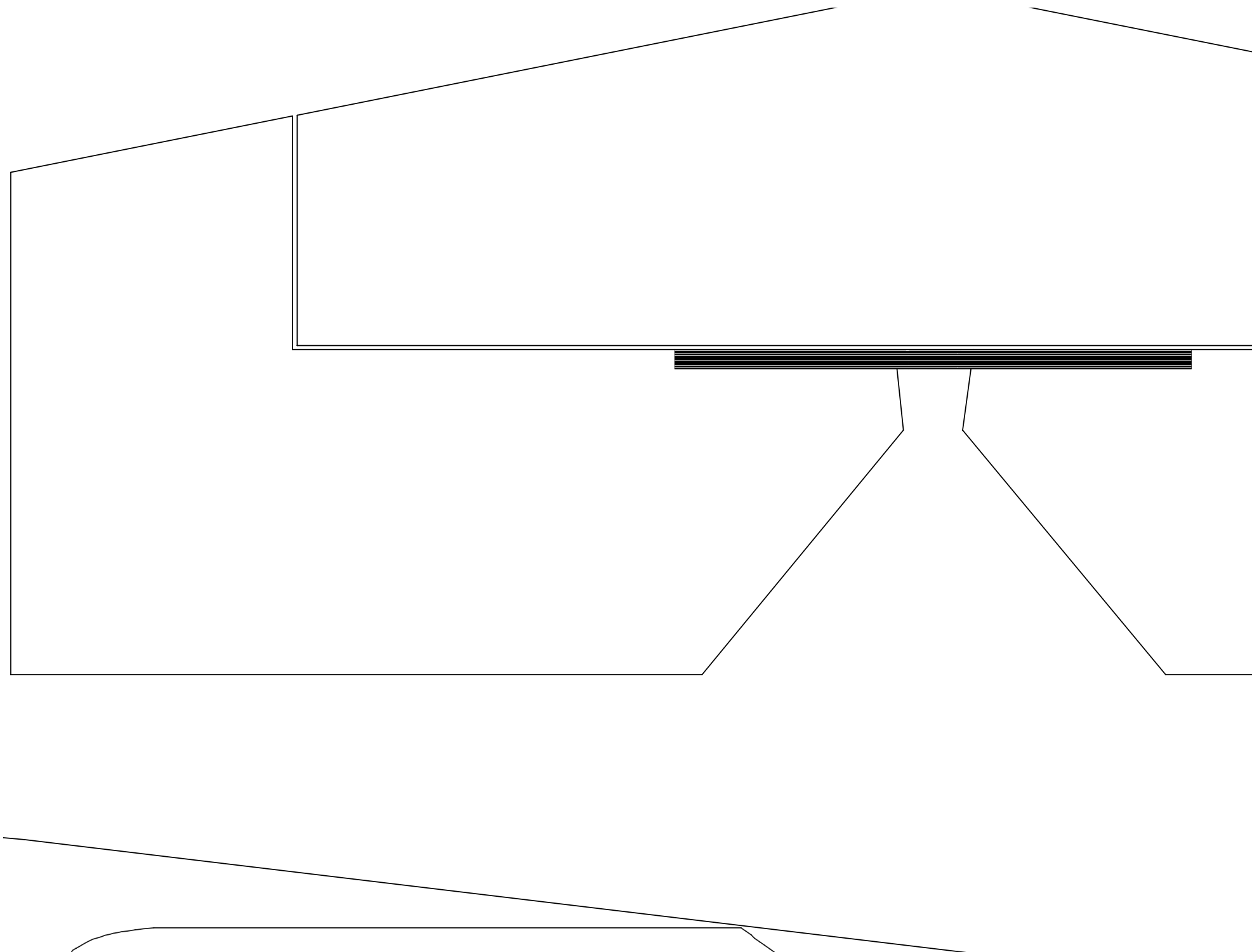
HiMax HA2015-4100 GWS/5.3:1 GWS 11x4.7 3s1p LiPo 11.6 amps 25.2 oz.

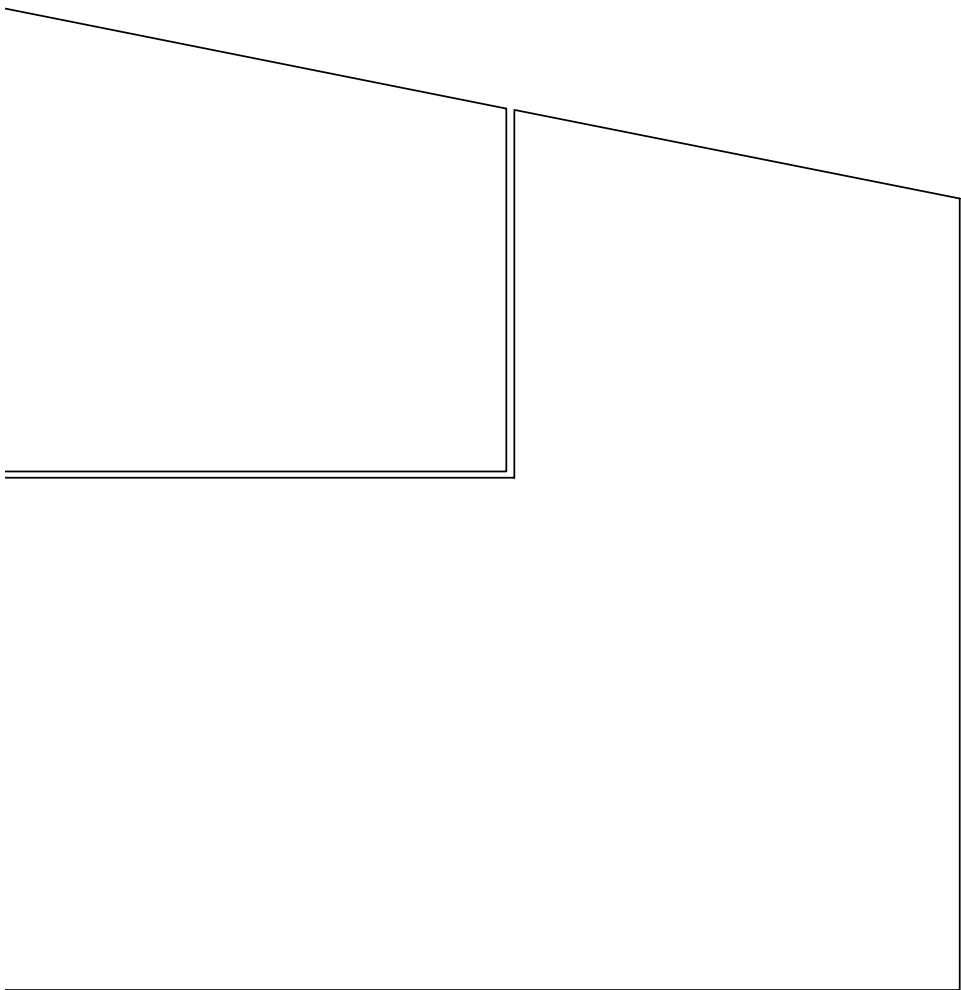
HiMax HA2015-5400 GWS/6.6:1 GWS 12x6 2s1p LiPo 10.2 amps 17.8 oz.

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.



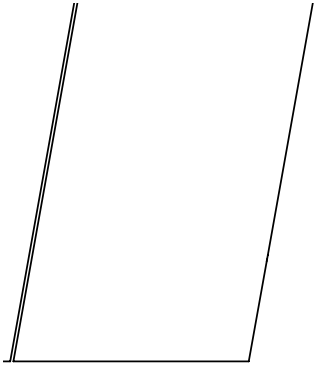
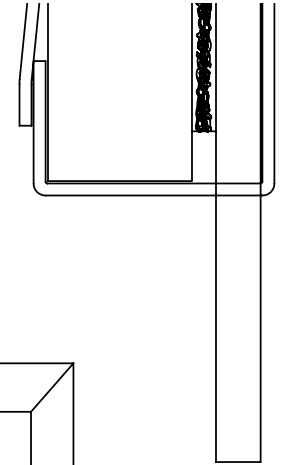
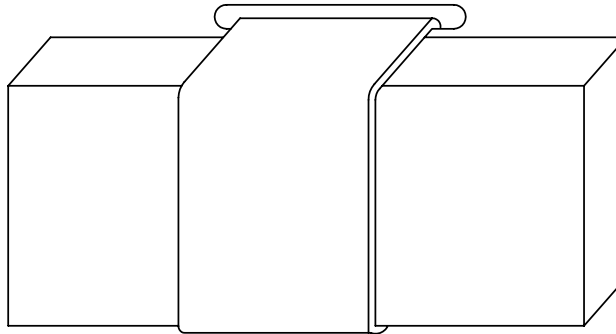


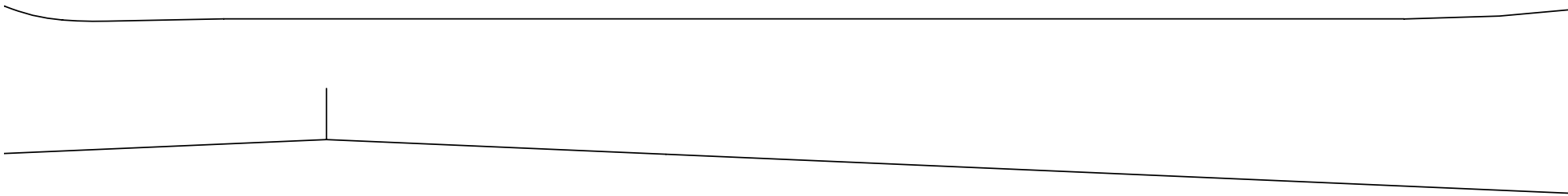
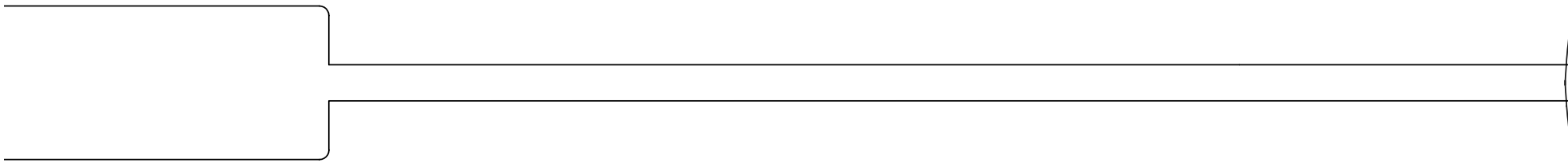


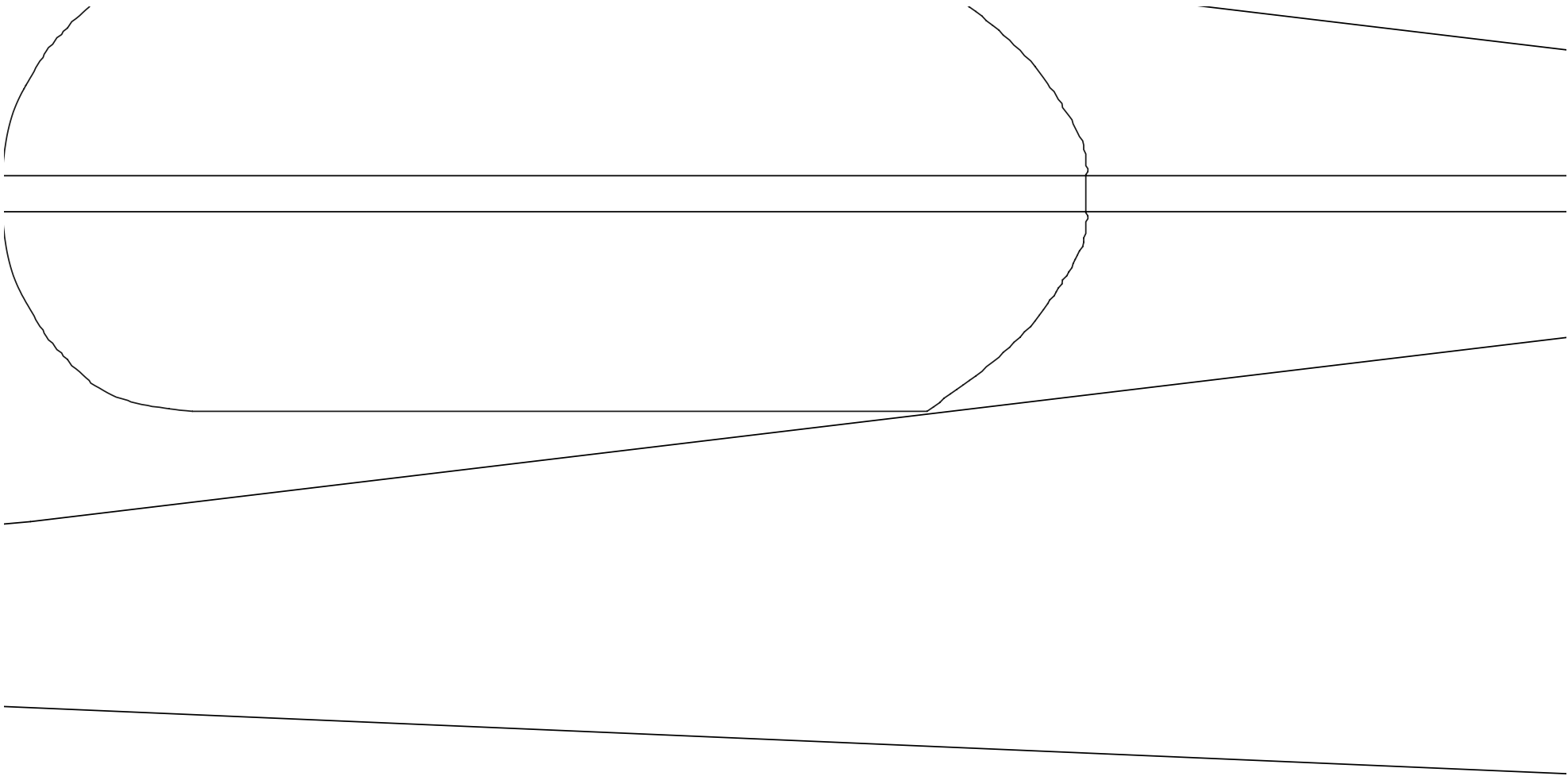
All hinging for control surfaces can be packing tape or actual hinges. I prefer robart hinge points epoxied in place for the added longevity and control freeness.

with 1 Velcro strap.

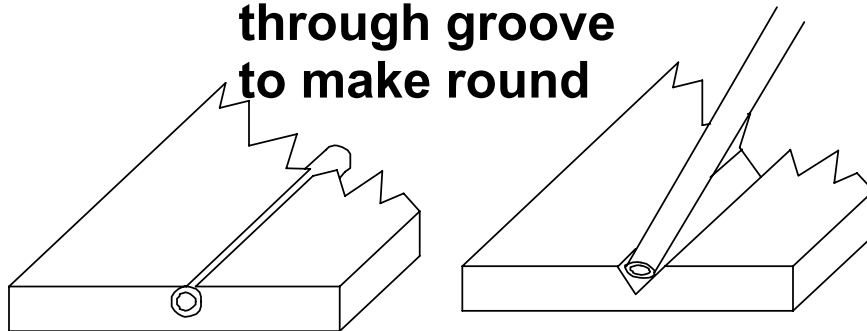
**Also use adhesive
Velcro on the side of
fuselage and back of
pack to secure in
place.**



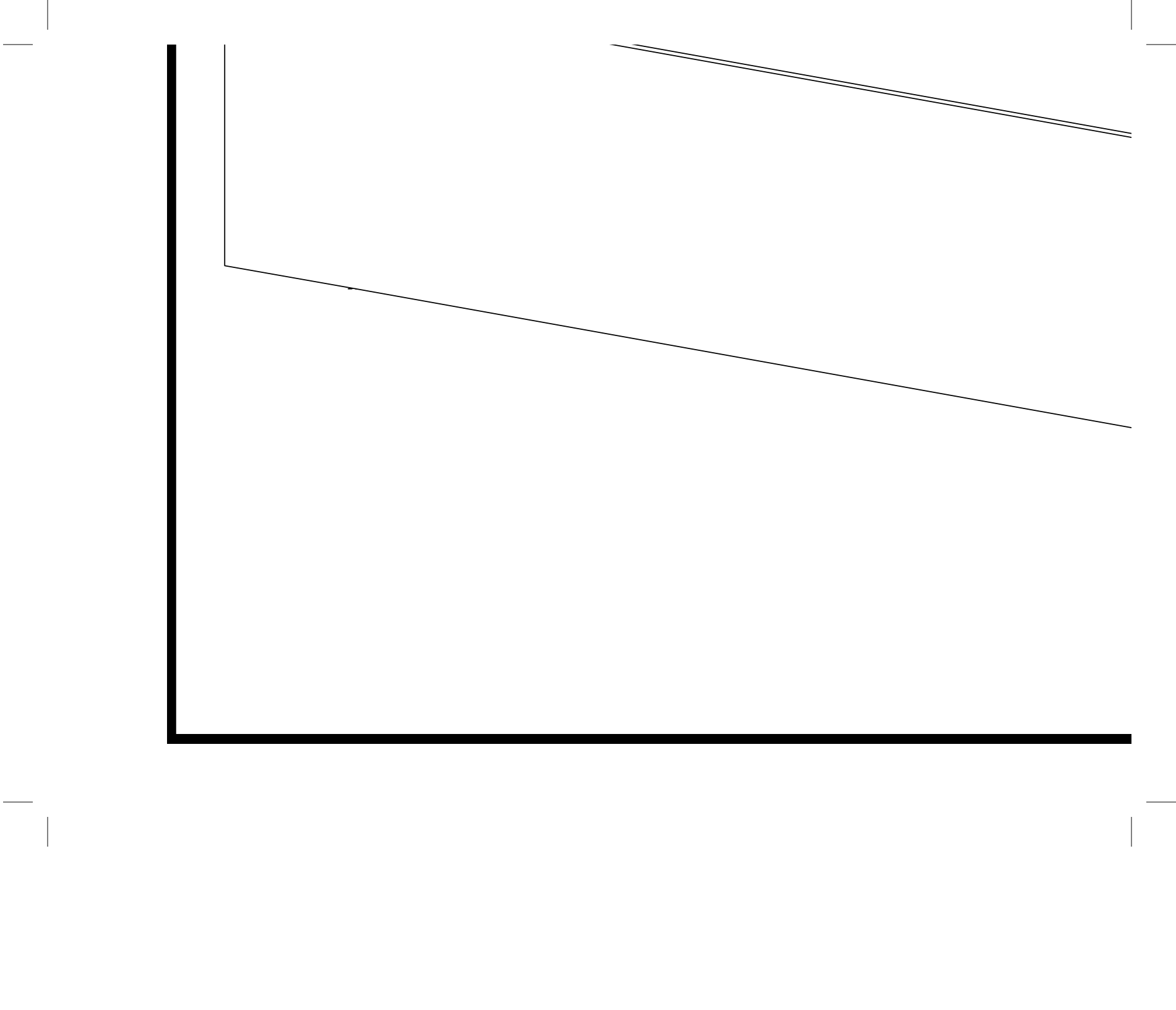


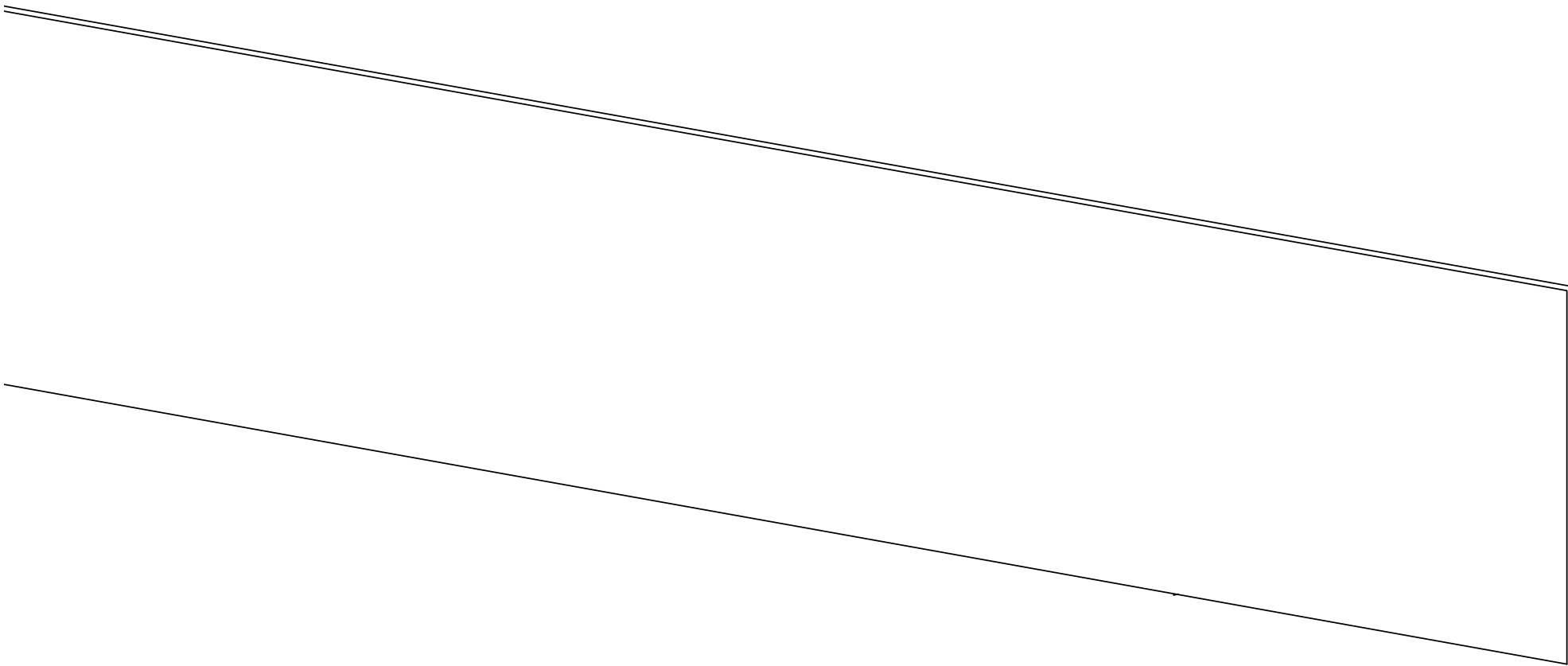


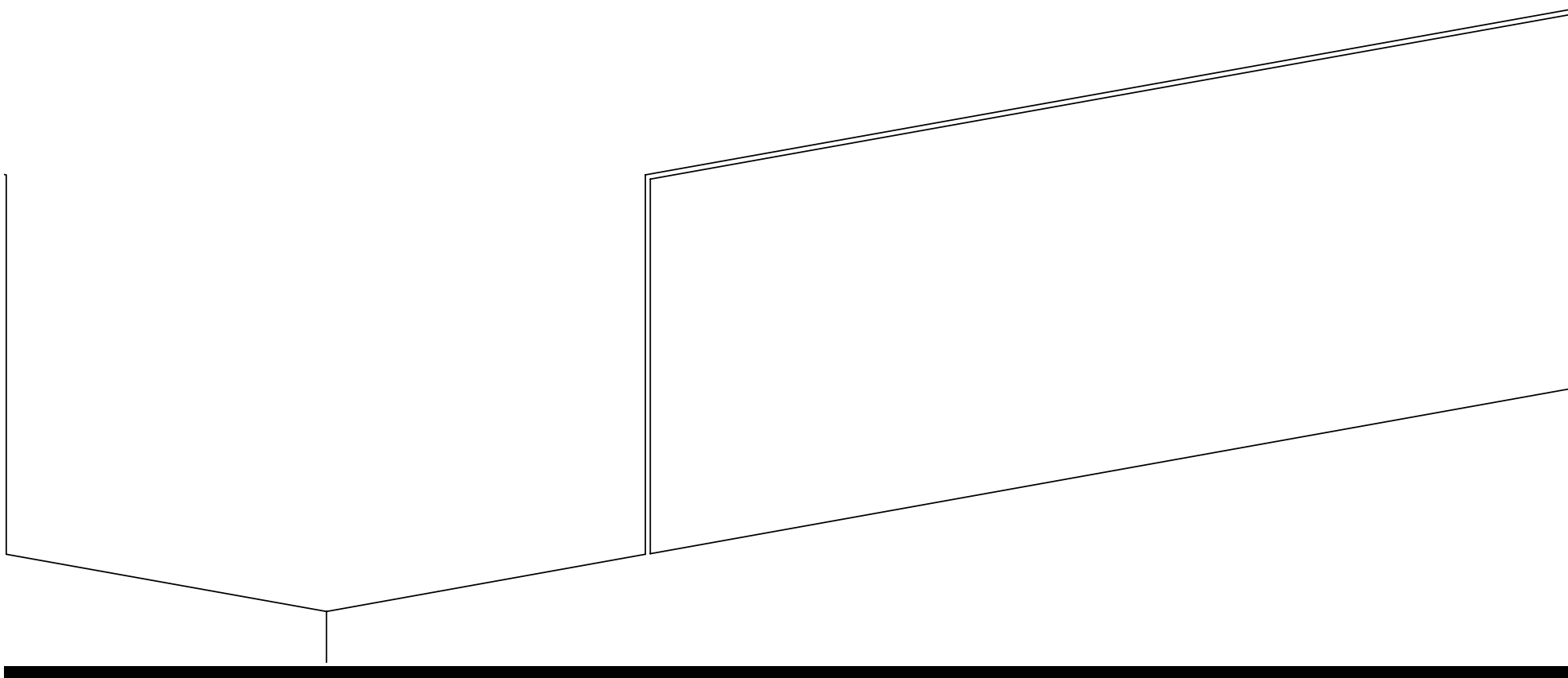
**Cut a "V" groove
in foam for
spars. Pull spar
through groove
to make round**

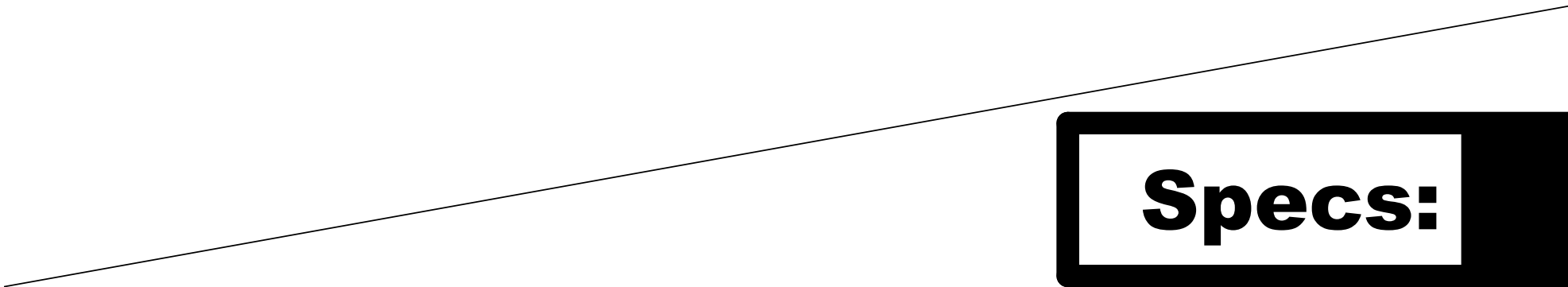
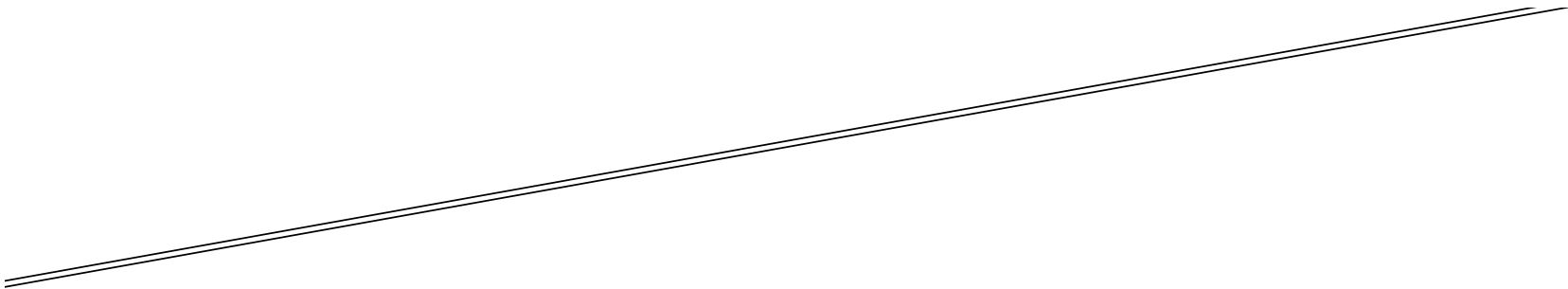


Weight	9.5-15.5 oz.
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Specs:



3D FC

Power	24-39 oz.
Radio	4-5 Chanel
Area	268.3 in2
Loading	5.9-8.2 oz/ft2
WWW.3DFOAMY.COM	

Vel ox REV II 3D

DAMY

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Designed and Drawn by Levi Jordan

Updated: 3/5/04.