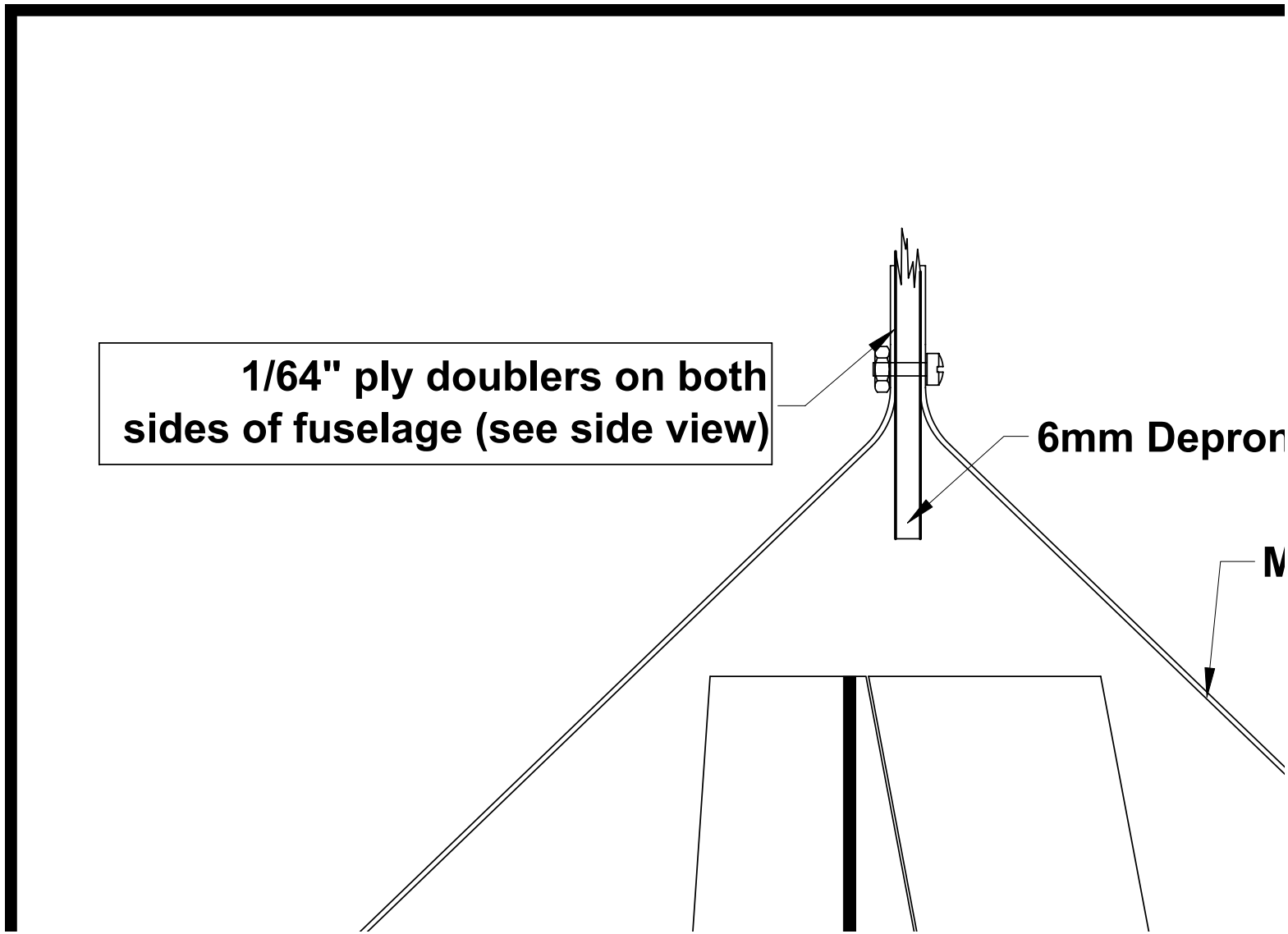
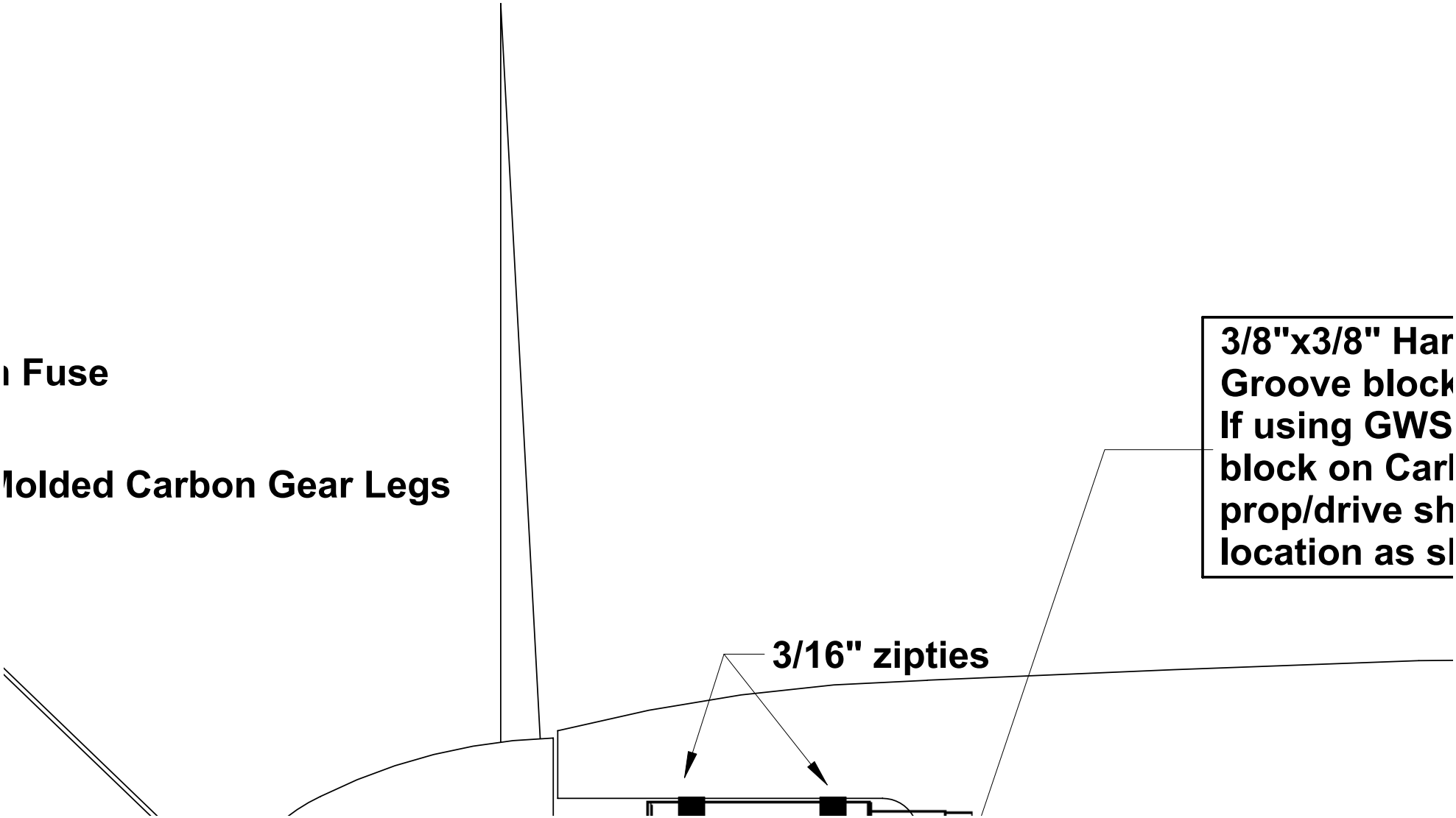
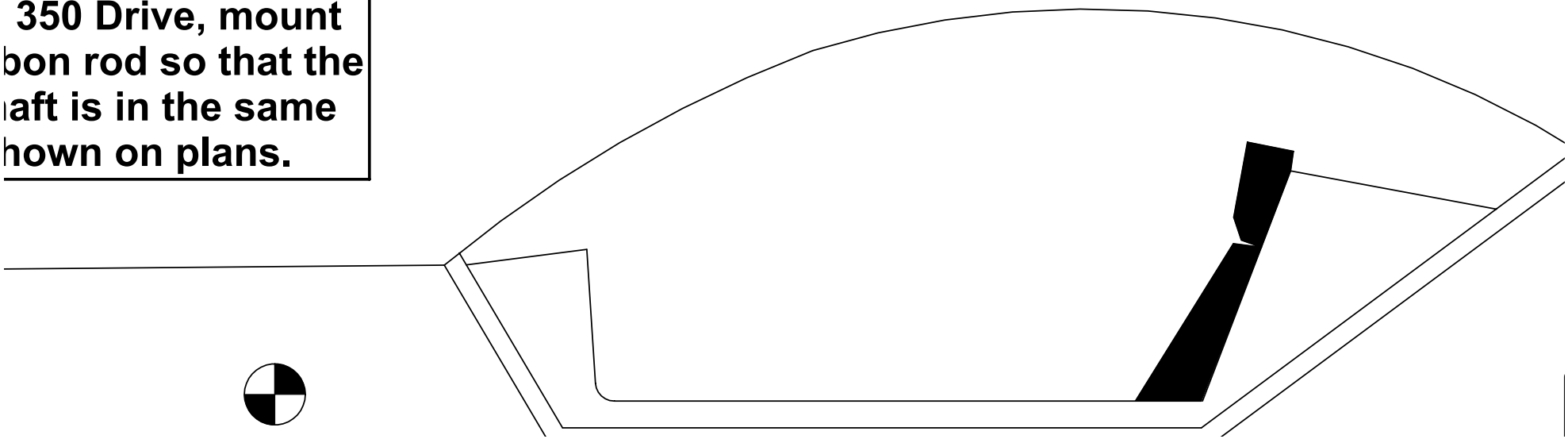

1/64" ply doublers on both sides of fuselage (see side view)
6mm Depron
M

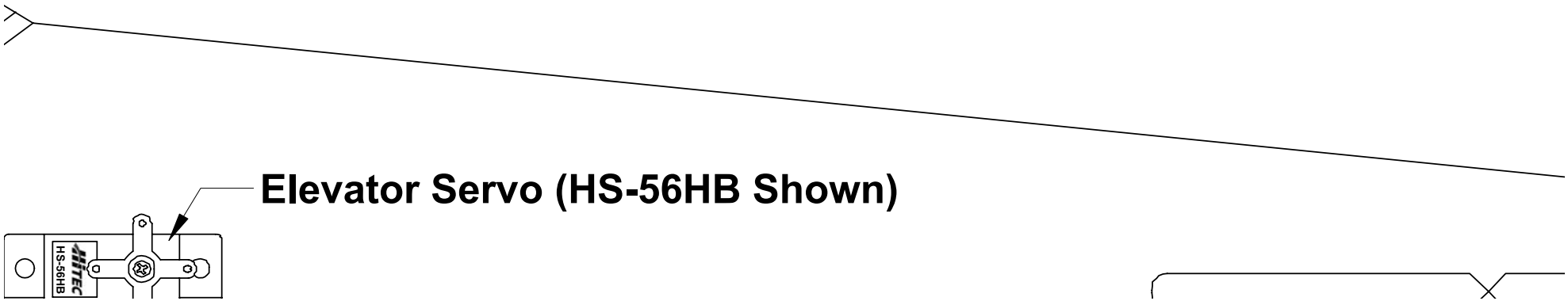

ı Fuse
Iolded Carbon Gear Legs
3/8"x3/8" Har
Groove block
If using GWS
block on Carl
prop/drive sh
location as sl
3/16" zipties

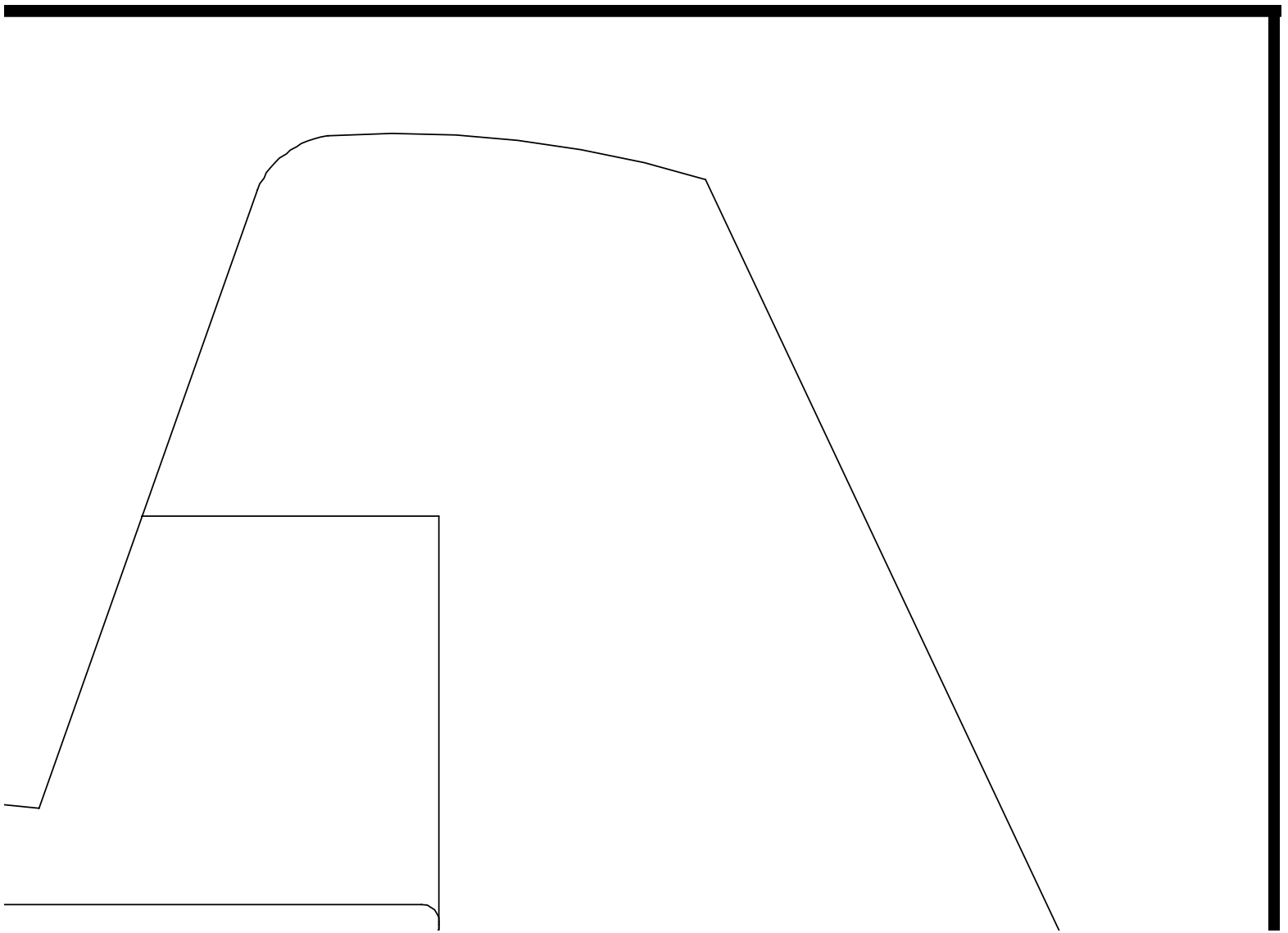
dwood motor block
to fit carbon rod.
350 Drive, mount
bon rod so that the
aft is in the same
hown on plans.

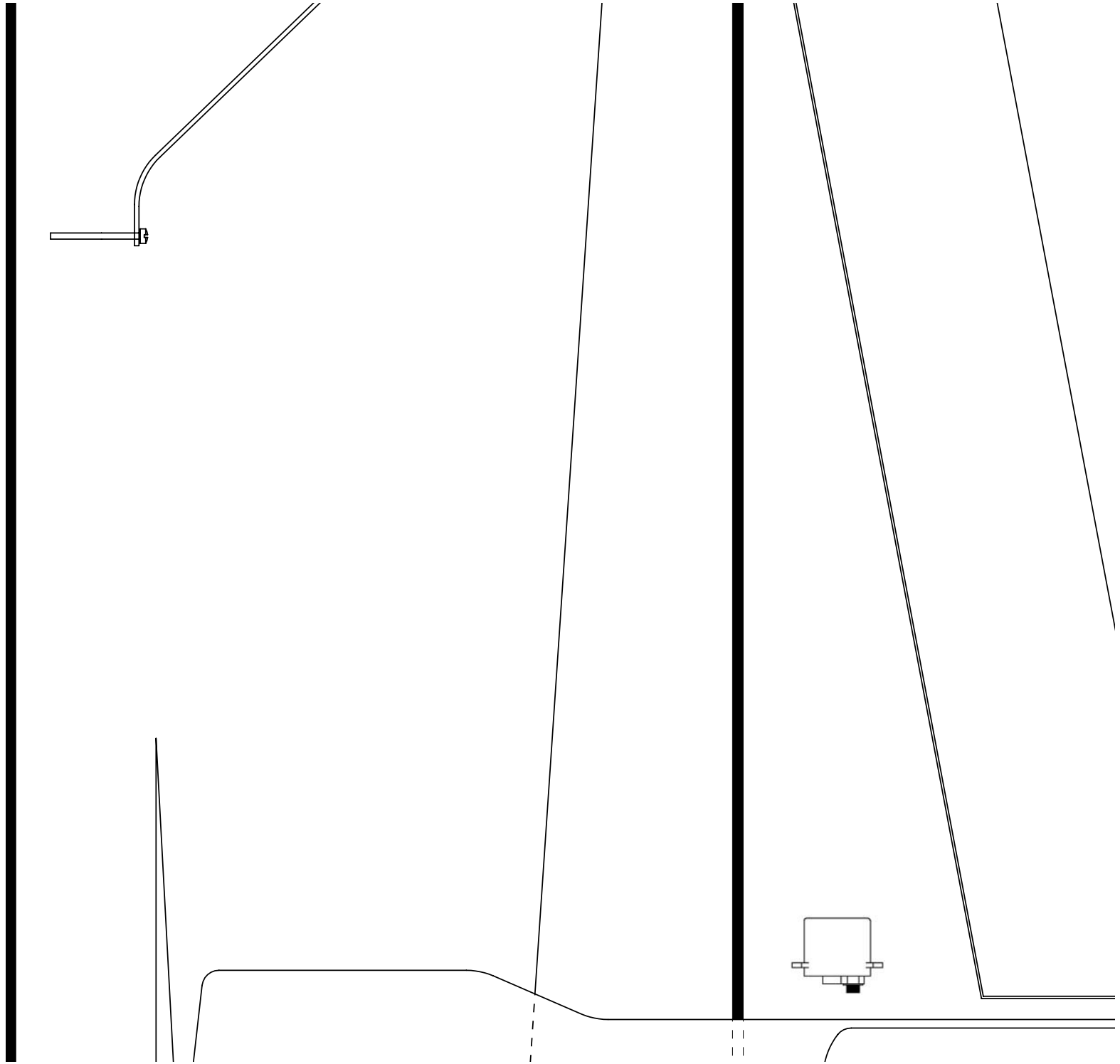


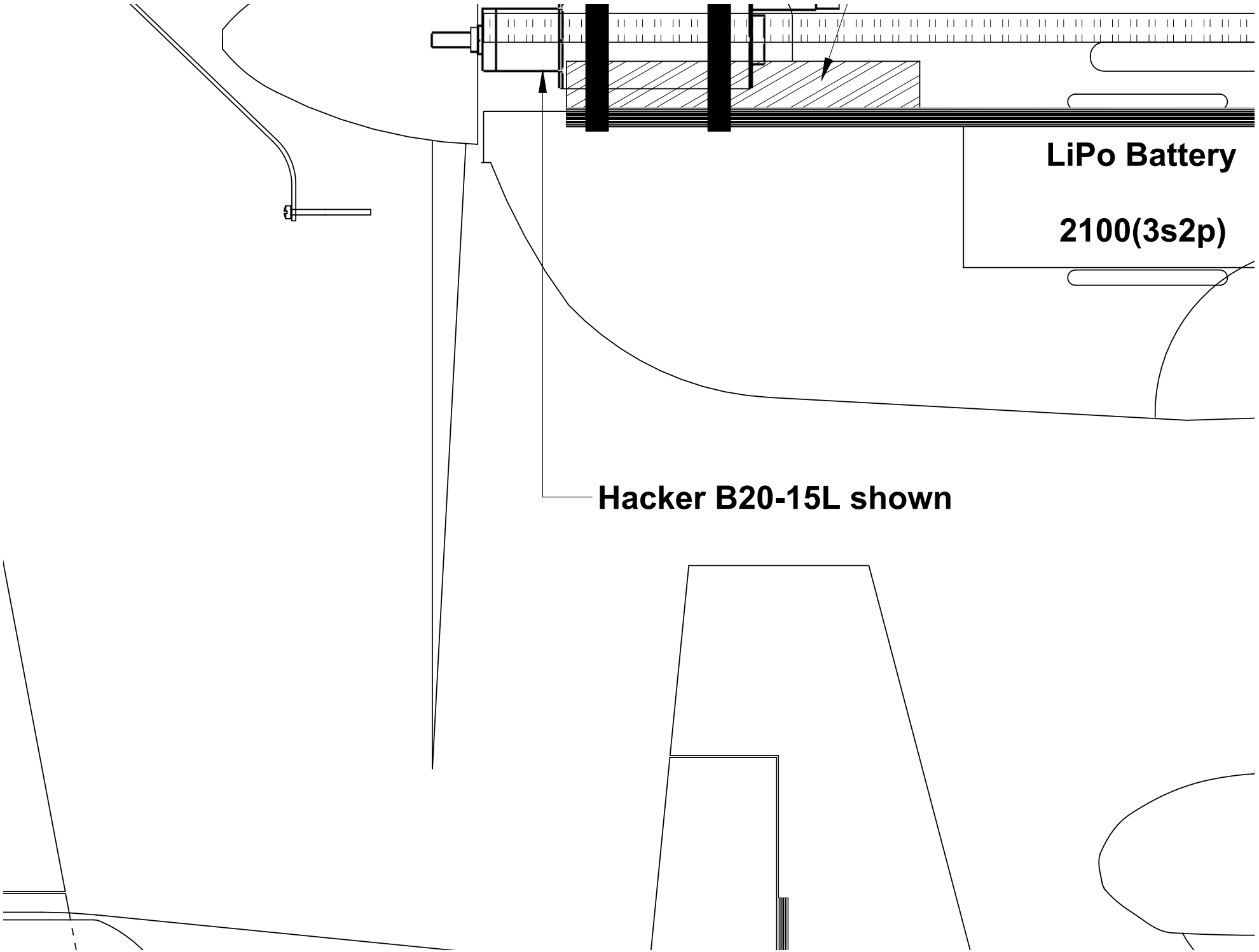
Notes on the fuse:

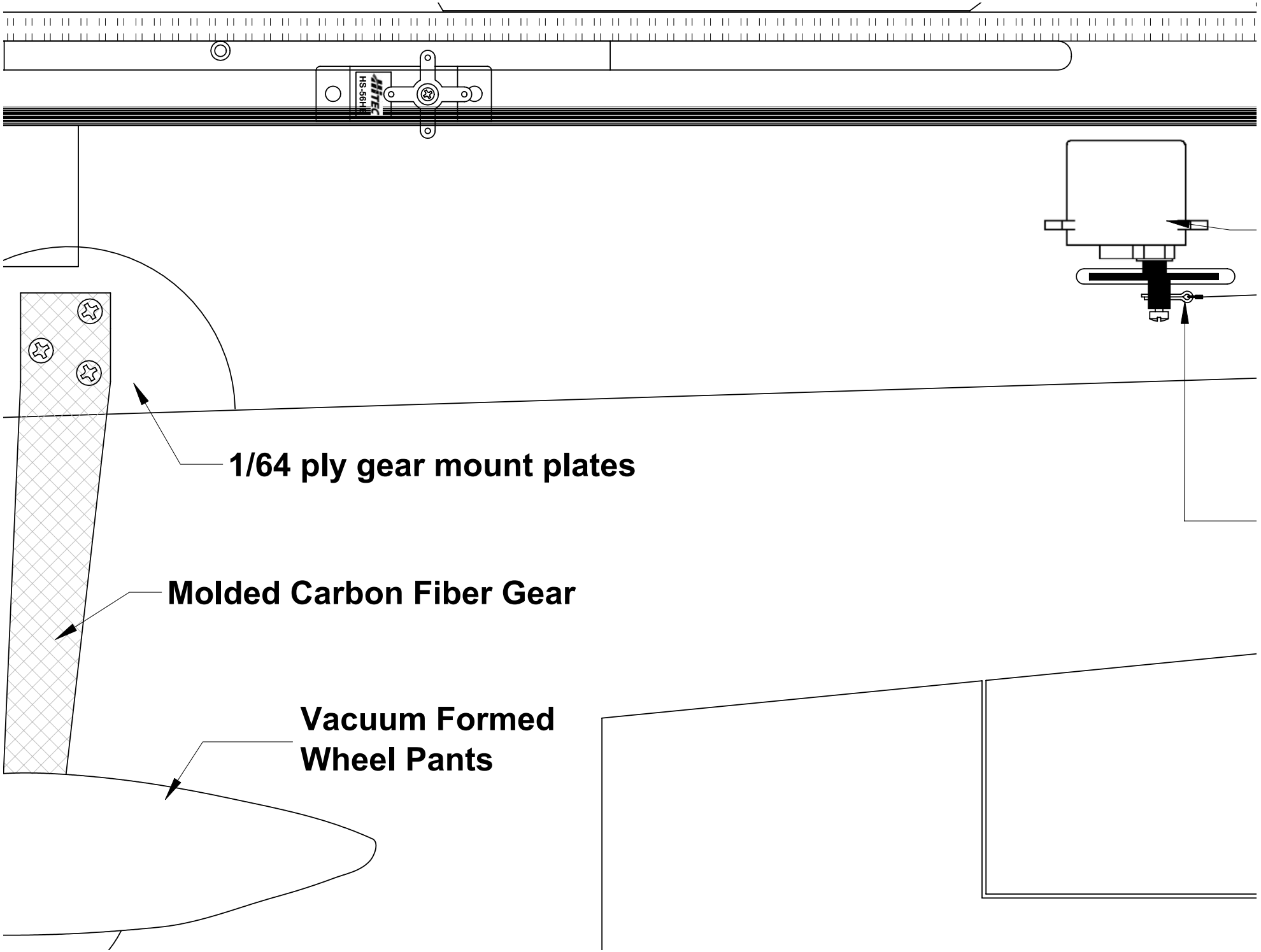
If you are going for all out light weight, consider leaving out the fuse spar. The side plates are strong enough for anything in flight, but will not be quite as tough for rough landings/crashes. Make sure to use 15-30 minute epoxy or shoogoo for the main parts...5 min and foam CA are not strongenough,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

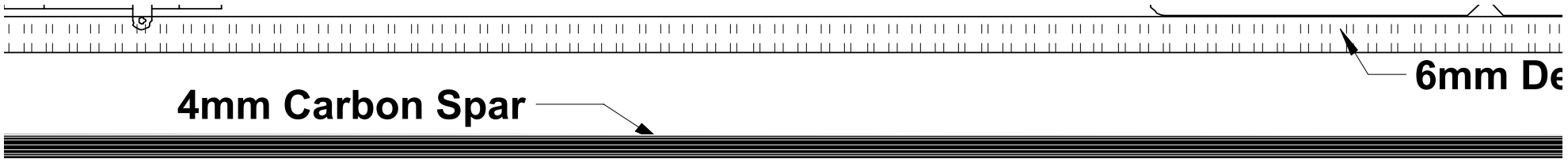







LiPo Battery
2100(3s2p)
Hacker B20-15L shown


HS-56HB
1/64 ply gear mount plates
Molded Carbon Fiber Gear
Vacuum Formed
Wheel Pants

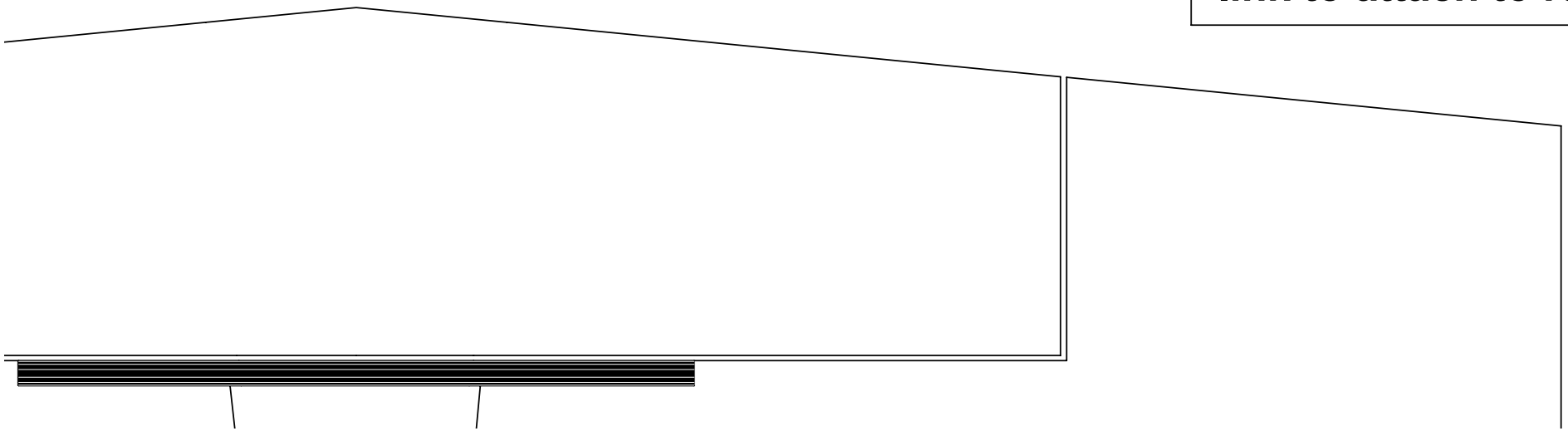


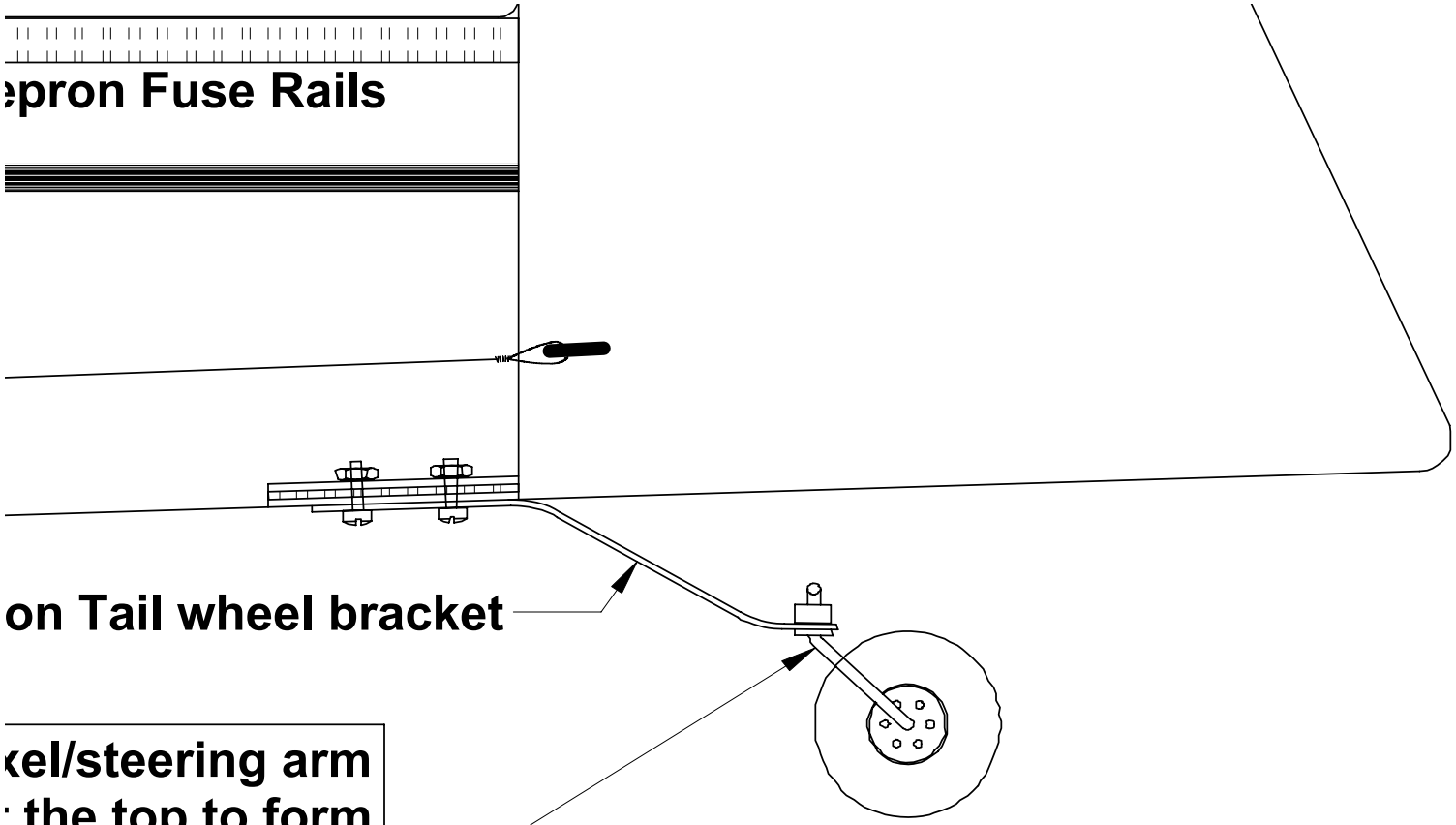
Rudder Servo (HS-56HB Shown)

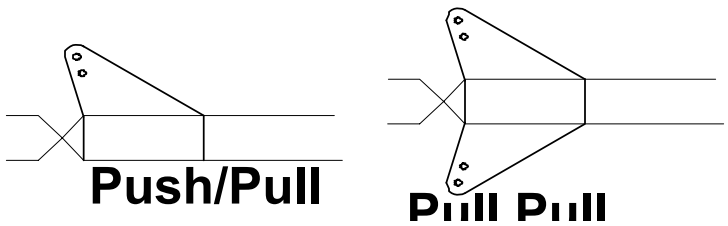
Carb

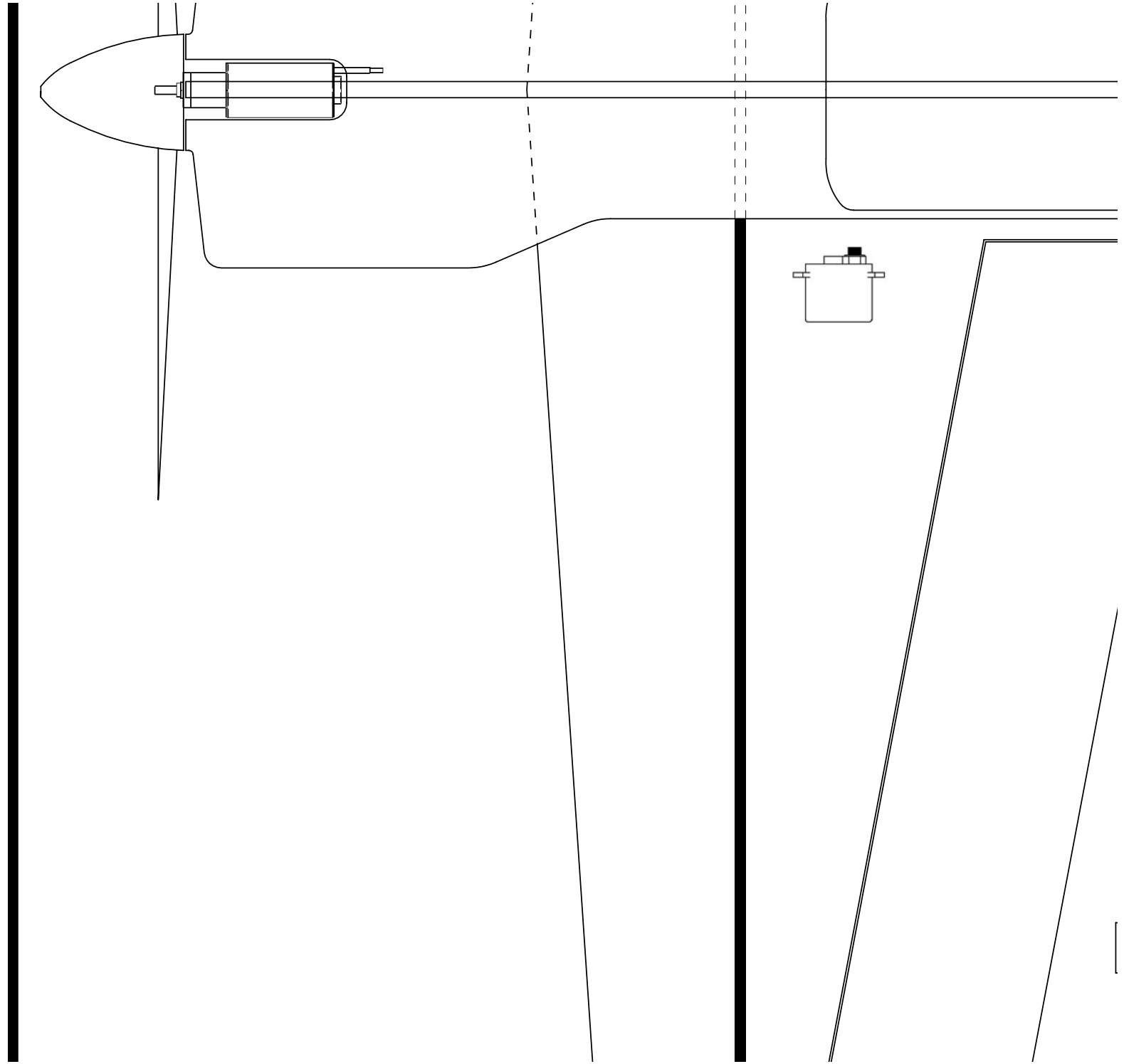
Use Cotterpin to adjust
tension on pull-pull system.
Mount using Dubro EZ Conectors

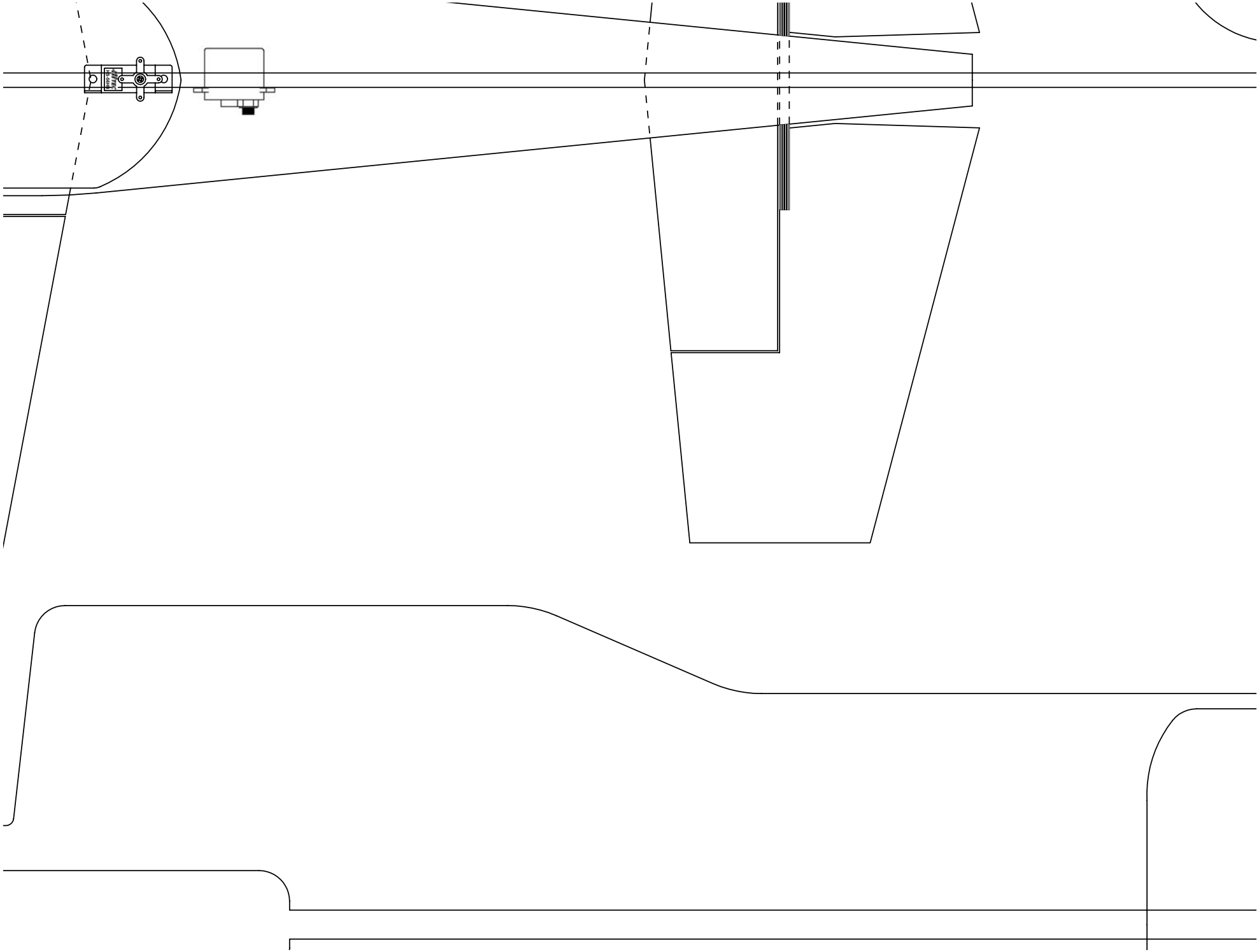
1/16" wire wheel ax
(Bend 90 deg. at
a control arm. Us
link to attach to rudd




epron Fuse Rails
on Tail wheel bracket
kel/steering arm
: the top to form
se clamp on ball
er control horn)


Push/Pull
Pull Pull





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

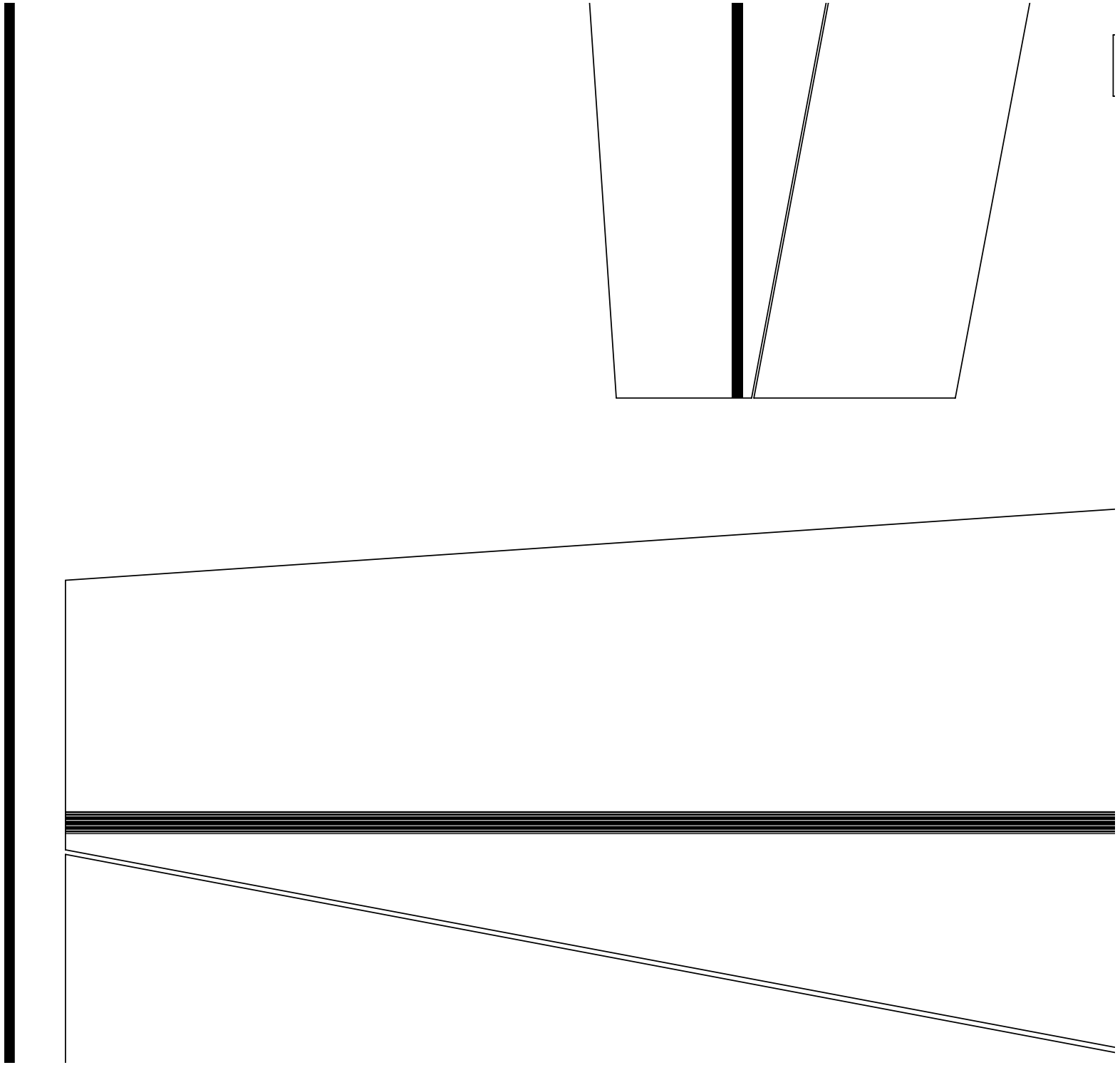
Motor stick instilation.
You will need to adjust the position of the Carbon rod and motor mount for your motor/gearbox combination. The carbon rod may be in a diferent location, that is OK.

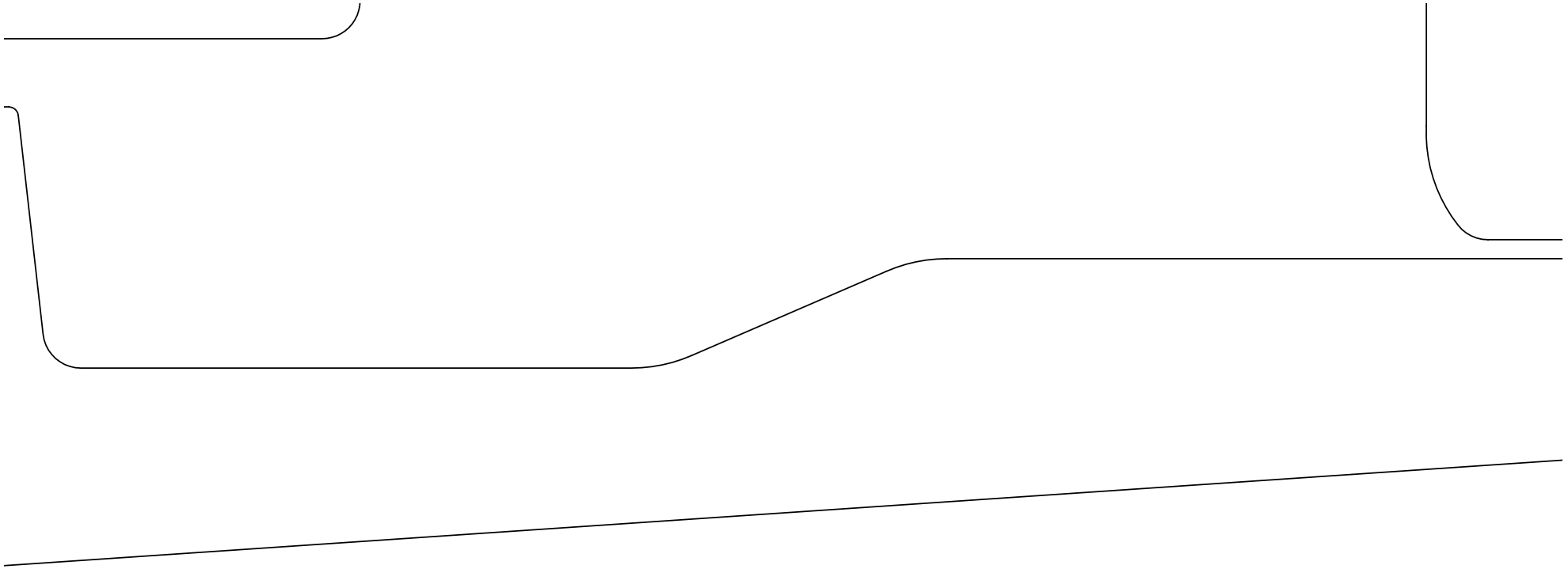
Moto
GWS
GWS
Hack
Hack
Hack
Hack
Hack
Hack
Razo
Razo
Razo
Razo
Razo
Razo
Razo
PJS
PJS
HiMa
HiMa
HiMa
HiMa
HiMa
HiMa
HiMa
HiMa

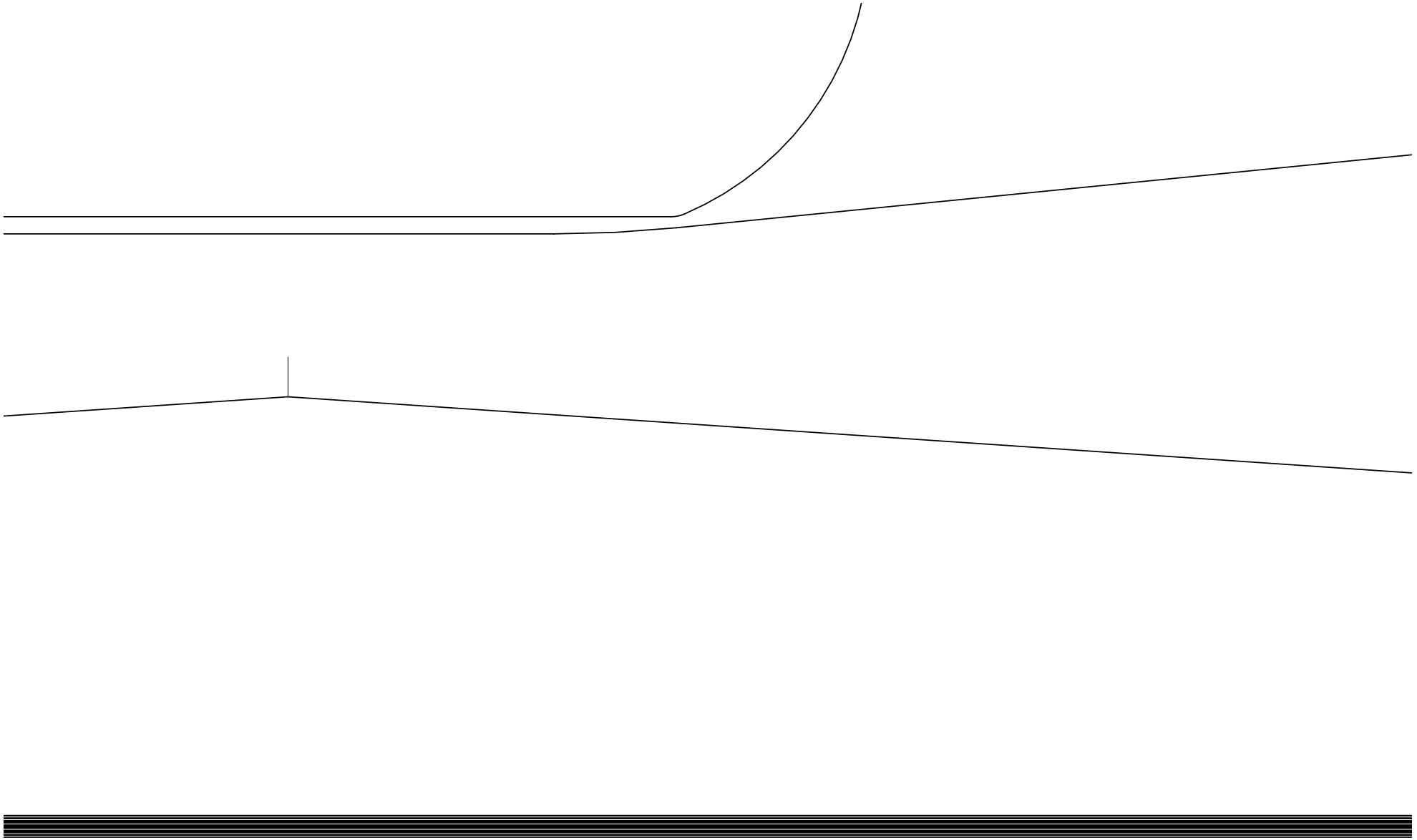
Cut Control horns from 1/32" ply or a plastic coffee can lid.

Motor/Battery Info

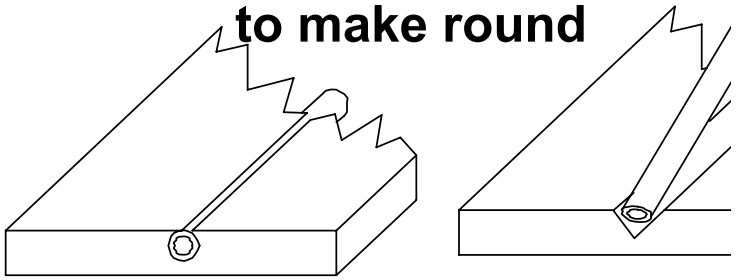
Gearing	Prop	Battery	Amp Draw	Thrust
S EPS350C DS (6.6:1)	GWS 12x6	2s1p Lipo	9.5	17.1 oz.
S EPS350C DS (6.6:1)	GWS 11x4.7	3s1p Lipo	11.5	24.3 oz.
ter B20-26S 4:1 Planetary	APC 11x4.7	3s1p LiPo	11 amps	22.1 oz.
ter B20-31S 4:1 Planetary	APC 11x4.7	3s1p LiPo	7.7 amps	18.6 oz.
ter B20-15L 4:1 Planetary	APC 11x4.7	3s2p LiPo	19.5 amps	38.5 oz.
ter B20-15L 4:1 Planetary	APC 11x4.7	2s1p LiPo	10.8 amps	20.6 oz.
ter B20-18L 4:1 Planetary	APC 11x4.7	3s1p LiPo	11.7 amps	27.7 oz.
ter B20-18L 4:1 Planetary	APC 12x6	3s2p LiPo	19 amps	36.7 oz.
or RZ300 GWS/5.3:1	GWS 11x4.7	2s1p LiPo	8.8 amps	15.7 oz.
or RZ300 GWS/5.3:1	GWS 12x6	2s1p LiPo	9.9 amps	18.5 oz.
or RZ300 GWS/6.6:1	GWS 11x4.7	3s1p LiPo	12 amps	26 oz.
or RZ350 GWS/6.6:1	GWS 12x6	3s1p LiPo	12.4 amps	27 oz.
or RZ350 GWS/6.6:1	GWS 11x4.7	3s1p LiPo	8.7 amps	21.2 oz.
or MicroHeli v2 GWS/6.6:1	GWS 12x6	3s1p LiPo	8.9 amps	22.8 oz.
3D 500 Direct	APC 10x4.7	3s2p LiPo	16.4 amps	21.9 oz.
3D 550 Direct	APC 10x4.7	3s2p LiPo	13.8 amps	20.7 oz.
ax HA2015-3600 GWS/5.3:1	GWS 12x6	3s1p LiPo	8.7 amps	20.5 oz.
ax HA2015-3600 GWS/6.6:1	GWS 12x6	3s1p LiPo	6.5 amps	18.5 oz.
ax HA2015-4100 GWS/6.6:1	GWS 12x6	3s1p LiPo	11.2 amps	26.4 oz.
ax HA2015-4100 GWS/5.3:1	GWS 11x4.7	3s1p LiPo	11.6 amps	25.2 oz.
ax HA2015-5400 GWS/6.6:1	GWS 12x6	2s1p LiPo	10.2 amps	17.8 oz.
ax HA2025-3236 3.6:1 Planetary	APC 11x4.7	3s2p LiPo	14 amps	29.3 oz.
ax HA2025-3236 3.6:1 Planetary	APC 12x6	3s2p LiPo	17 amps	32.2 oz.
ax HA2025-4236 4.3:1 Planetary	APC 11x4.7	3s2p Lipo	20.2 amps	38.1 oz.

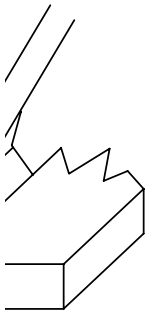


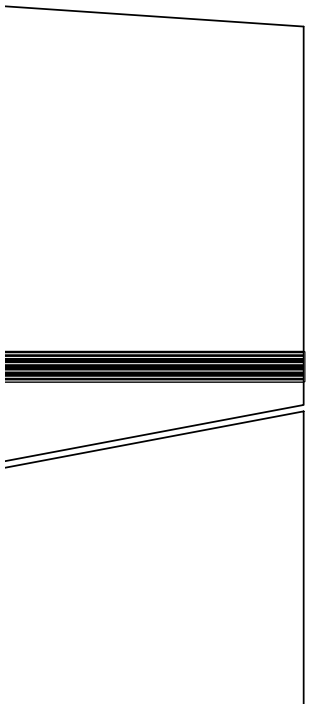


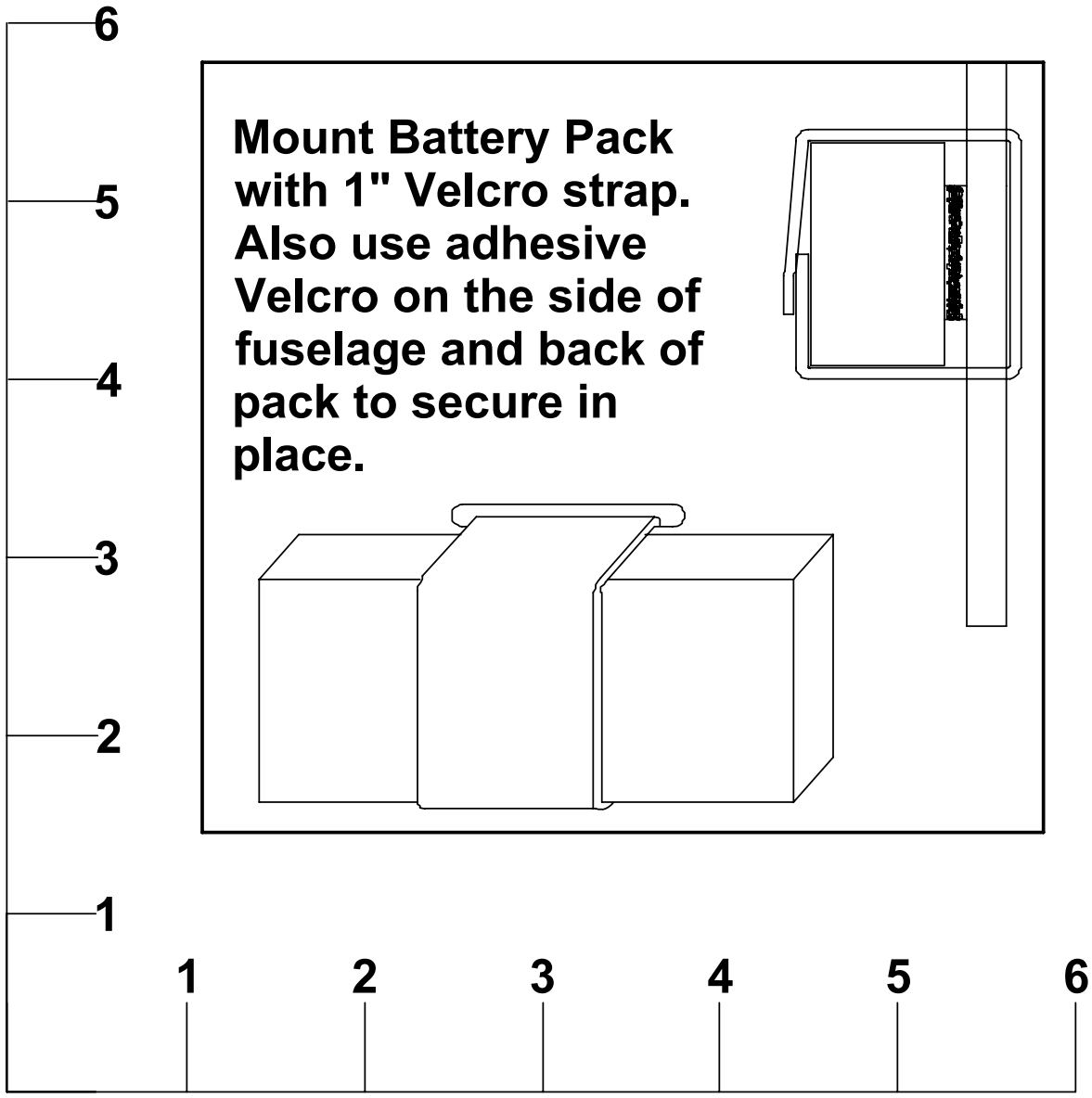


Cut a "V" groove in foam for spars. Pull spar through groove to make round



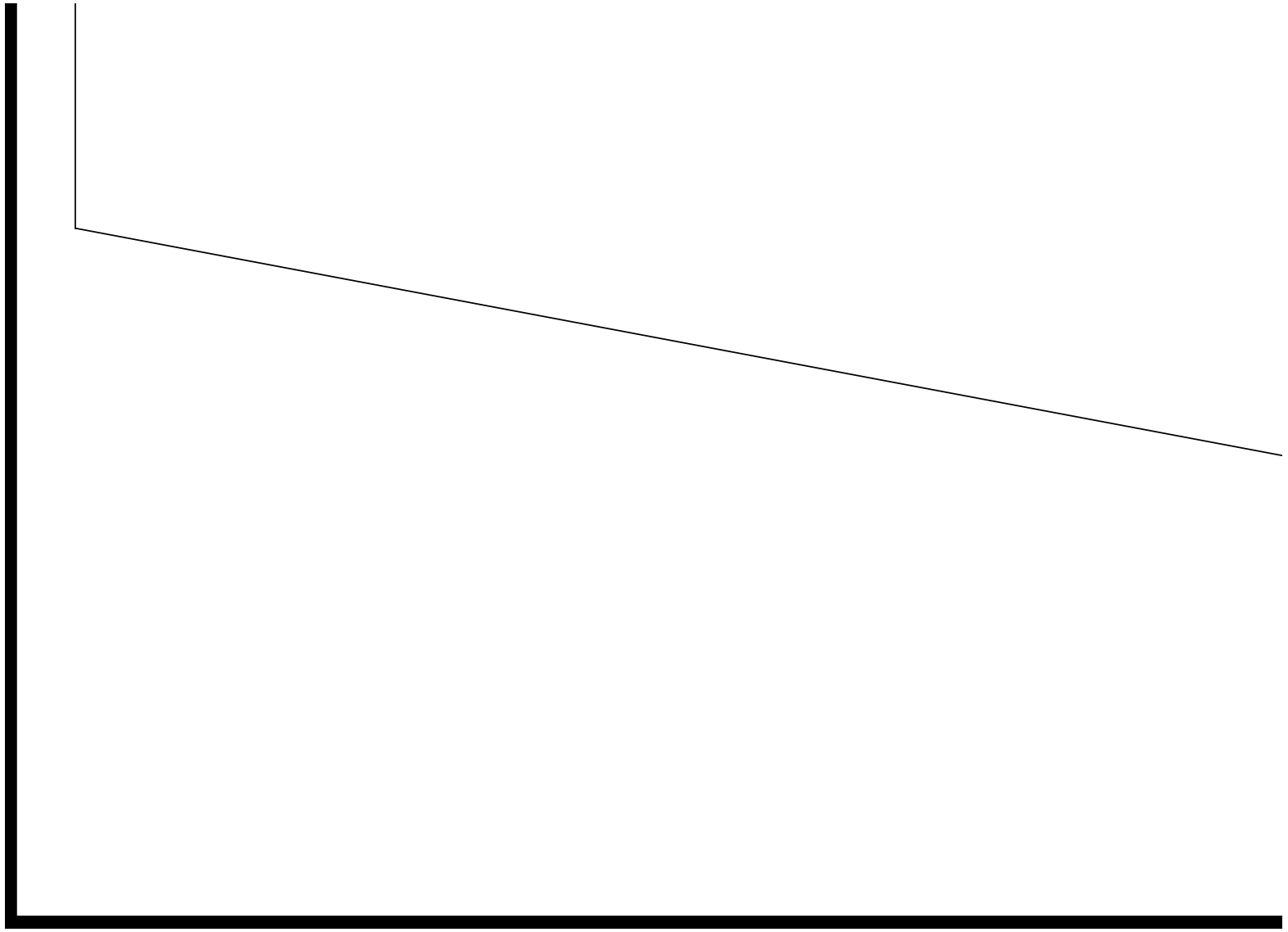


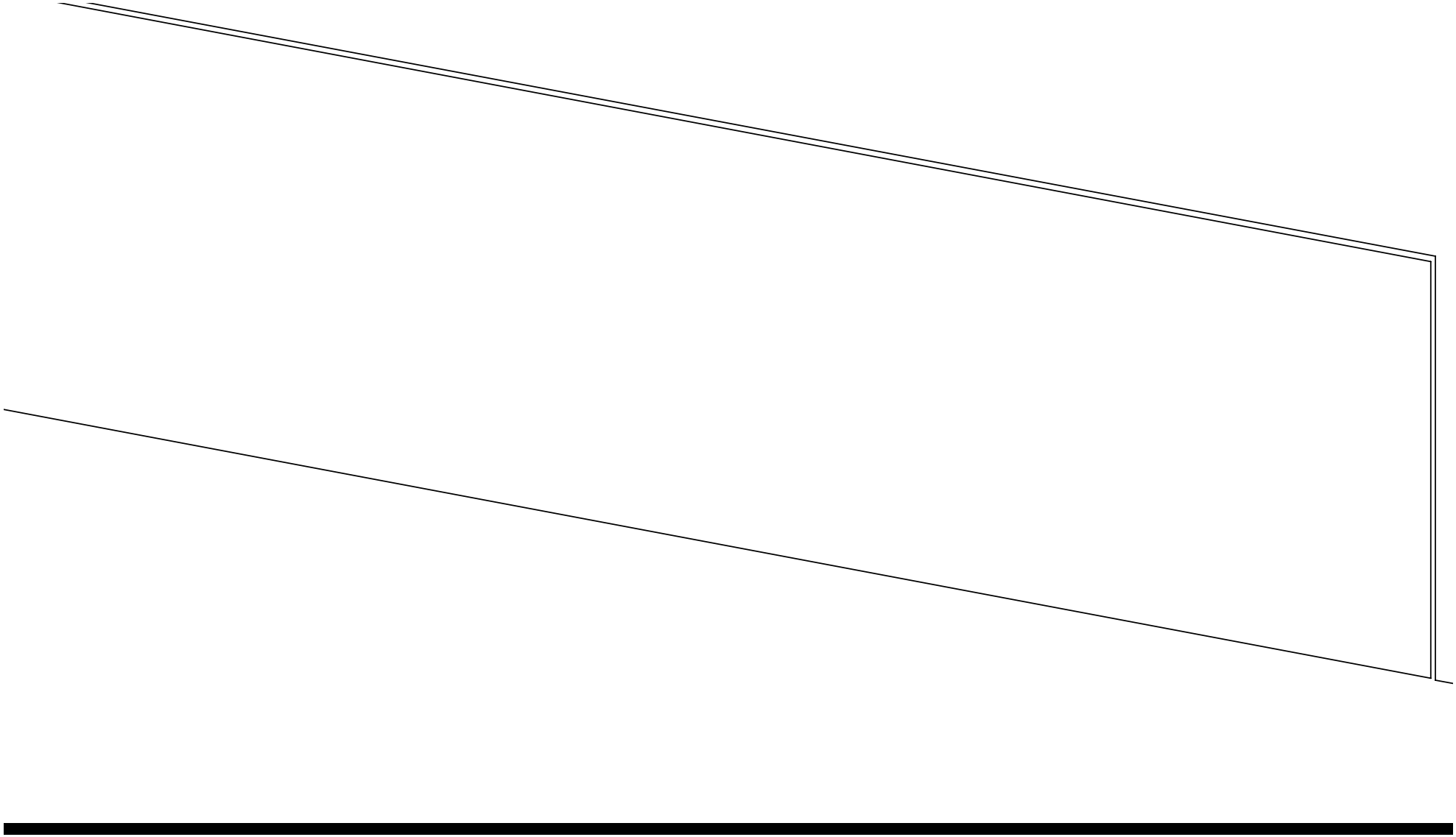


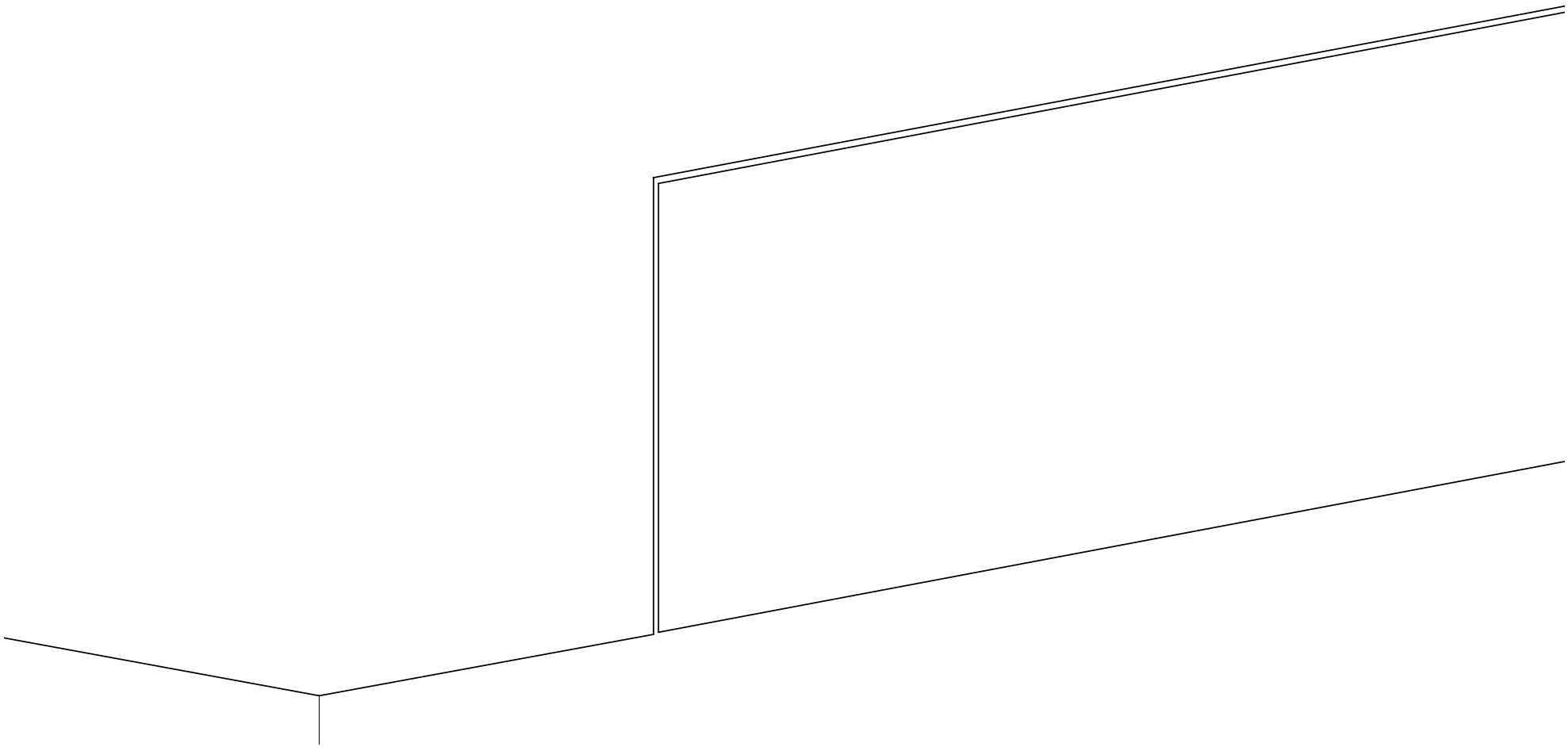


Mount Battery Pack with 1" Velcro strap. Also use adhesive Velcro on the side of fuselage and back of pack to secure in place.

Weight	10.5-15.5 oz







Specs:

3D FC

Weight	10.5-13.5 oz.
Thrust	24-39 oz.
Radio	4-5 Chanel
Area	300.1 in2
Loading	5.0-7.7 oz/ft2

WWW.3DFOAMY.COM

CAP 232 3D

DAMY

Designed and Drawn by Levi Jordan
Updated: 03/5/04.