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

6mm Depron Fuse

Molded Carbon Gear Legs

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.

3/16" zipties

LiPo Battery

2100(3s2p)

Hacker B20-15L shown

1/64 ply gear mount plates

Molded Carbon Fiber Gear

Vacuum Formed Wheel Pants

Elevator Servo (HS-56HB Shown)

4mm Carbon Spar

Aileron Servo

6mm Depron Fuse Rails

Rudder Servo (HS-56HB Shown)

10-12# fish line pull-pull rudder cables

Carbon Tail wheel bracket

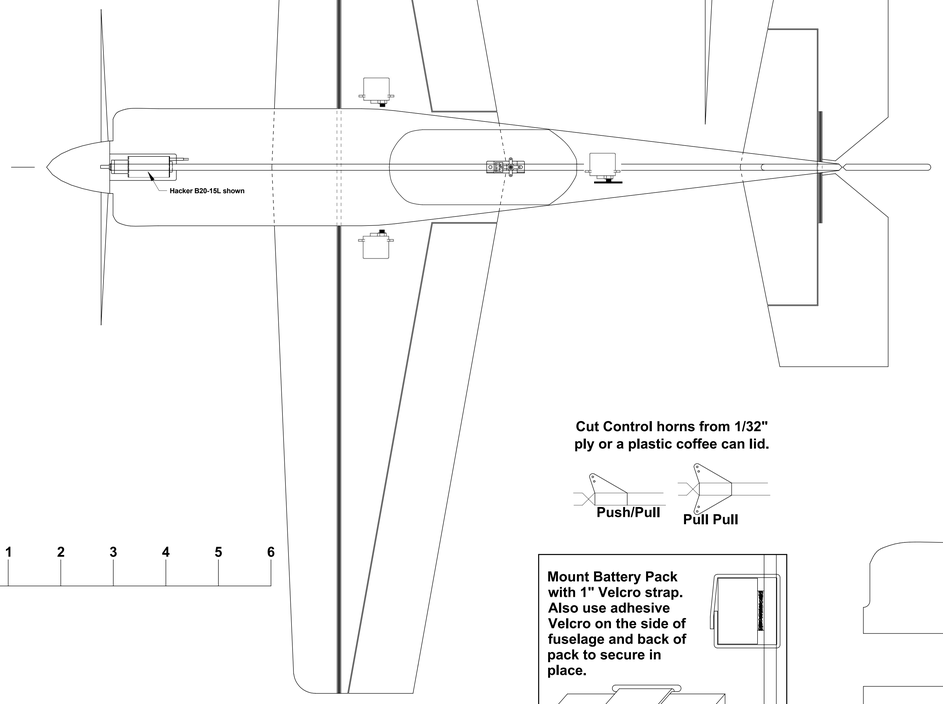
Use Cotterpin to adjust tension on pull-pull system. Mount using Dubro EZ Conectors

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.

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.

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)

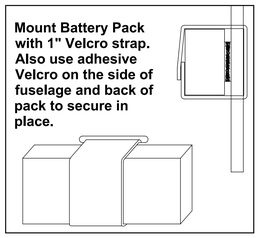


Motor/Battery Info

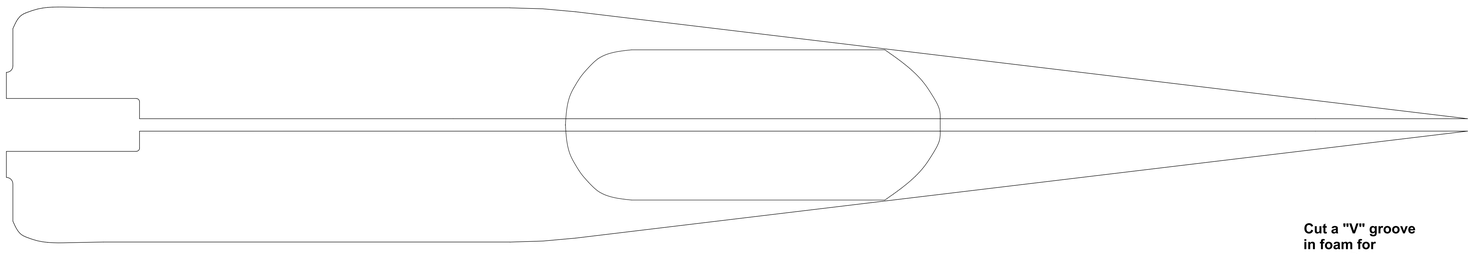
Motor Gearing Prop Battery Amp Draw Thrust
GWS EPS350C DS (6.6:1) GWS 12x6 2s1p Lipo 9.5 17.1 oz.
GWS EPS350C DS (6.6:1) GWS 11x4.7 3s1p Lipo 11.5 24.3 oz.
Hacker B20-26S 4:1 Planetary APC 11x4.7 3s1p LiPo 11 amps 22.1 oz.
Hacker B20-31S 4:1 Planetary APC 11x4.7 3s1p LiPo 7.7 amps 18.6 oz.
Hacker B20-15L 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.
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.

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

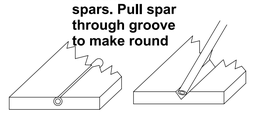
Mount Battery Pack with 1" Velcro strap. Also use adhesive Velcro on the side of fuselage and back of pack to secure in place.

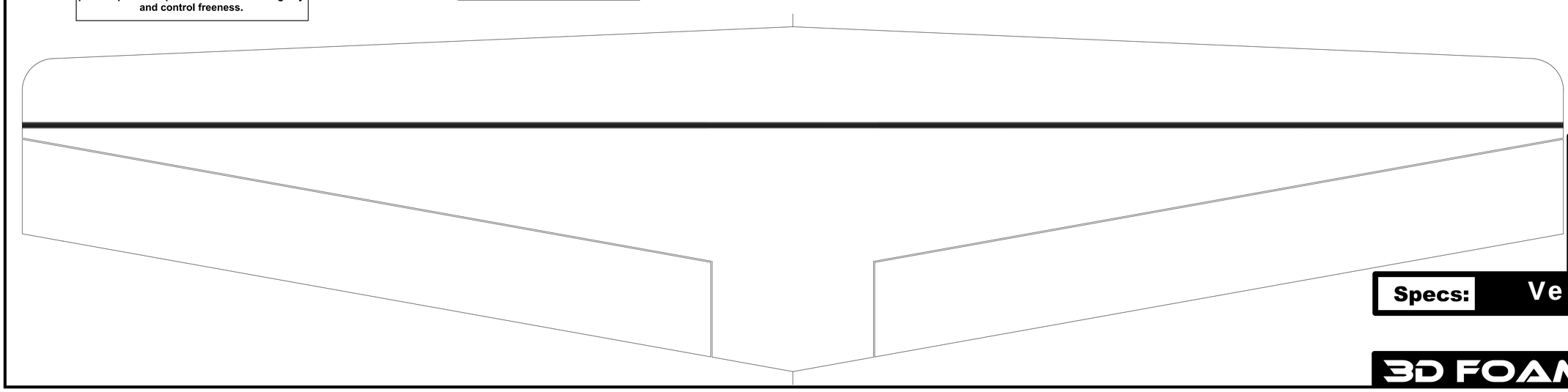


All hinging for control surfaces can be packing tape or actual hinges. I prefer robart hinge points epoxied in place for the added longivity and control freeness.



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





Weight	9.5-15.5 oz.
Power	24-39 oz.
Radio	4-5 Chanel
Area	268.3 in2
Loading	5.9-8.2 oz/ft2
WWW.3DFOAMY.COM	

Specs: Velox REV II 3D

3D FOAMY

Designed and Drawn by Levi Jordan
Updated: 3/5/04.