

Specs:

F-18 Park Jet

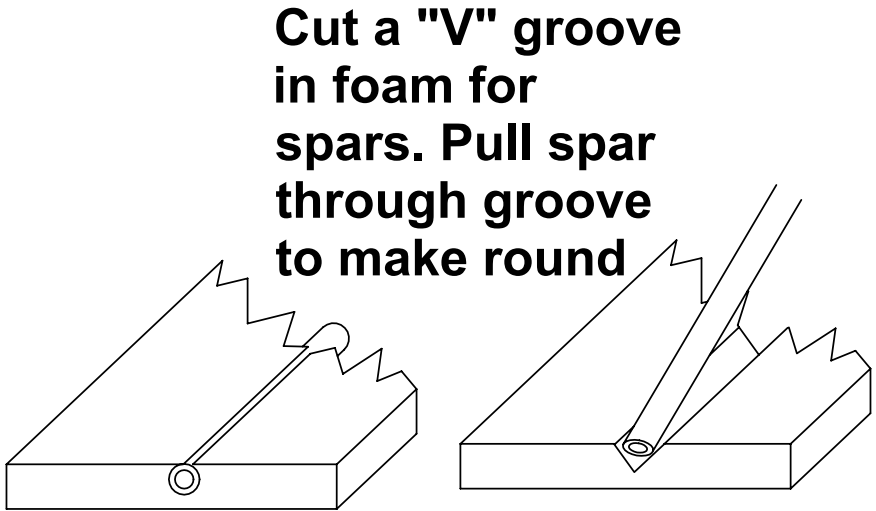
3D FOAMY

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Designed and Drawn by:
Steve Shumate & Levi Jordan
Updated: 0/19/2004

Weight	14-18 oz.
Thrust	14-24 oz.
Radio	4-5 Chanel
Area	275 in2
Loading	7.5-9.3 oz/ft2
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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/ft2 (based on effective wing area)
Motor: GWS EPS-350 with "C" gearing
Battery: 11.1V 1200 mAh Lipo
Prop: GWS 8x6 SF
Current draw: 9.7 amps
Power loading: 101 watts/lb
Radio equipment: GWS R-6 receiver, GWS Pico and Hitec HS-55 servos, 10 amp ESC
Flight controls: Wing flaperons, full-flying horizontal stabilizer, twin rudders
Materials used: Either 6mm Depron or BlueCore fan fold foam



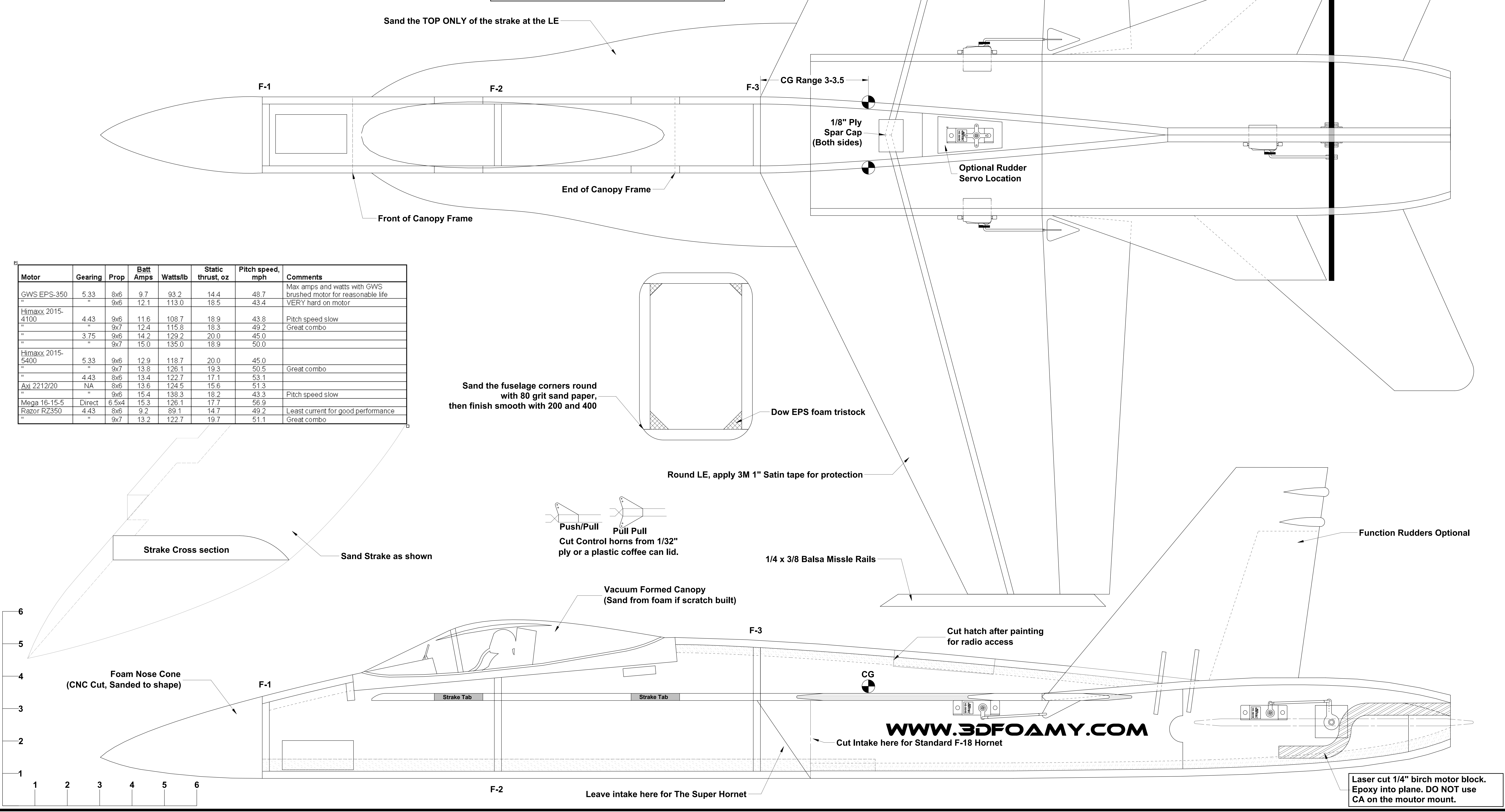
CG INFO

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

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. CA hinges work well also.

Notes on the fuse:

Make sure to use 5-15 minute epoxy for the main parts...foam CA are not strongenough, and will crack under the torque.



Motor	Gearing	Prop	Batt Amps	Watts/lb	Static thrust, oz	Pitch speed, mph	Comments
GWS EPS-350	5.33	8x6	9.7	93.2	14.4	48.7	Max amps and watts with GWS brushed motor for reasonable life
"	"	9x6	12.1	113.0	18.5	43.4	VERY hard on motor
Himaxx 2015-4100	4.43	9x6	11.6	108.7	18.9	43.8	Pitch speed slow
"	"	9x7	12.4	115.8	18.3	49.2	Great combo
"	3.75	9x6	14.2	129.2	20.0	45.0	
"	"	9x7	15.0	135.0	18.9	50.0	
Himaxx 2015-5400	5.33	9x6	12.9	118.7	20.0	45.0	
"	"	9x7	13.8	126.1	19.3	50.5	Great combo
"	4.43	8x6	13.4	122.7	17.1	53.1	
Axi 2212/20	NA	8x6	13.6	124.5	15.6	51.3	
"	"	9x6	15.4	138.3	18.2	43.3	Pitch speed slow
Mega 16-15-5	Direct	6.5x4	15.3	126.1	17.7	56.9	
Razor RZ350	4.43	8x6	9.2	89.1	14.7	49.2	Least current for good performance
"	"	9x7	13.2	122.7	19.7	51.1	Great combo

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All parts made from 6 mm Depron or BlueCore foam unless otherwise specified

