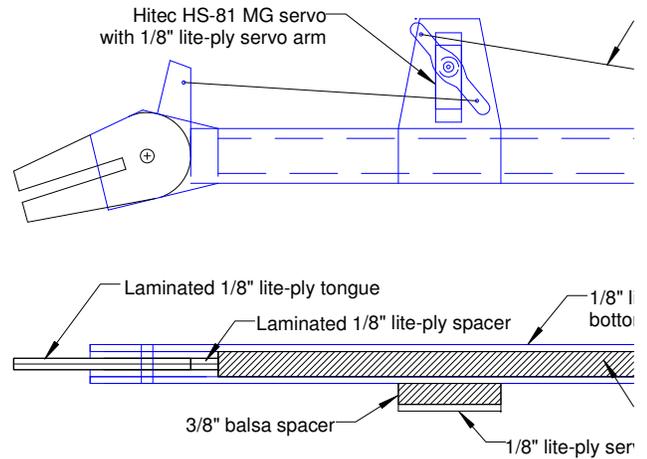


NOTES:

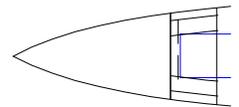
- * All parts are made from 6mm Depron or BlueCore foam unless otherwise indicated
- * If using BlueCore, peel the plastic covering off both sides of all fuselage parts (leave the skin on all wing and empennage parts for strength)
- * Recommended control deflections (all dimensions measured at root trailing edge):
 - Tailerons (pitch): +/- 1.5" (-40% expo)
 - Tailerons (roll): +/- 1.75" (-40% expo)
 - Rudder: +/- 7/8" (-30% expo)
- * Wing sweep to stabilator mixing is required to keep the airplane trimmed as the wing sweeps. Set it up so that swinging from full forward to full aft sweep provides 1/4" trailing edge up stabilator (about 5% mix rate)
- * Rudder control is optional and provides better control for aerobatics and low-speed high alpha flight
- * Use a heat gun to gently form the foam in the fuselage to the shapes shown

Wing Sweep Mechanism Detail

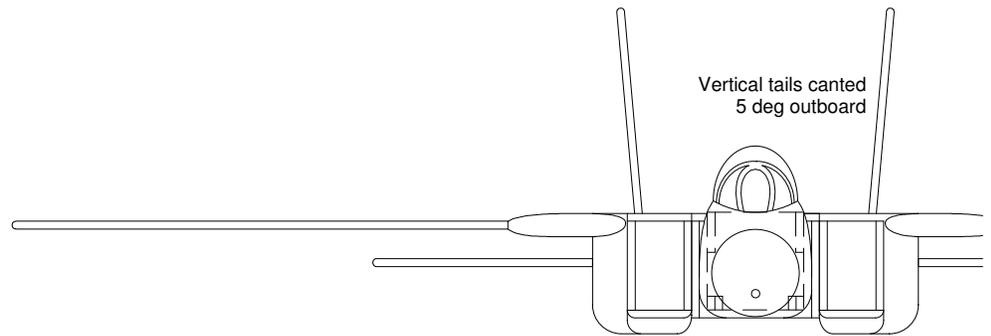
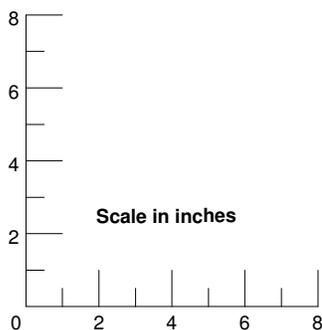


RECOMMENDED POWER SYSTEM:

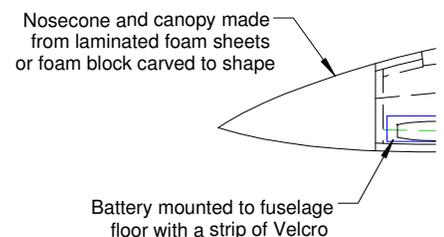
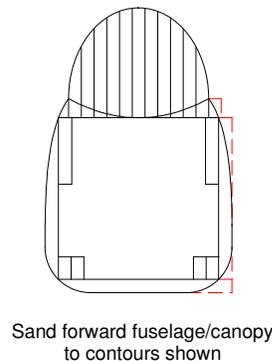
- * For best results choose a power system that provides 20-25 oz static thrust and 45-50 mph pitch speed.
- * Prototype used Himax 2015-4100 with 4.4:1 gearing, 9x6 APC Slowflyer prop, 1320 mAh 11.1V lithium-polymer battery, and Castle Creations Phoenix 10 speed control



If you enjoy these plans, please consider sending a small contribution to the designer to show your appreciation for all the work that went into developing them. Suggested contribution is \$10 U.S., and can be sent via PayPal to jetset44@verizon.net. Thanks for your support!



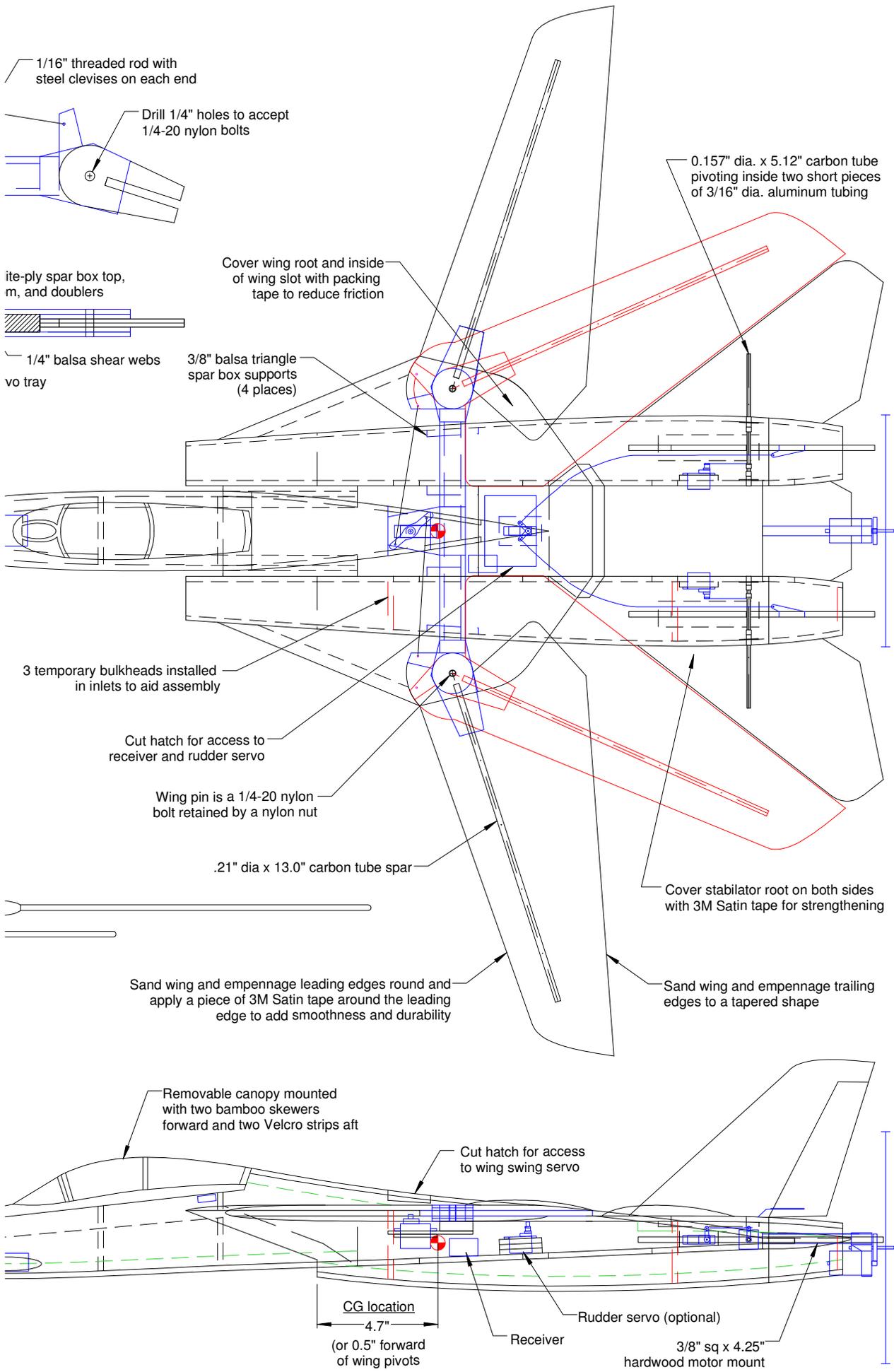
Fuselage Cross Section Detail



F-14 Tomcat Park Jet

Span: 40.7"/24.7"
 Wing area: 220 sq in
 Weight: 20 - 23 oz RTF
 Wing loading: 14 oz/sq ft

*Designed and drawn by Steve Shumate
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1/16" threaded rod with steel clevises on each end

Drill 1/4" holes to accept 1/4-20 nylon bolts

0.157" dia. x 5.12" carbon tube pivoting inside two short pieces of 3/16" dia. aluminum tubing

ite-ply spar box top, m, and doublers

Cover wing root and inside of wing slot with packing tape to reduce friction

1/4" balsa shear webs
vo tray

3/8" balsa triangle spar box supports (4 places)

3 temporary bulkheads installed in inlets to aid assembly

Cut hatch for access to receiver and rudder servo

Wing pin is a 1/4-20 nylon bolt retained by a nylon nut

.21" dia x 13.0" carbon tube spar

Cover stabilator root on both sides with 3M Satin tape for strengthening

Sand wing and empennage leading edges round and apply a piece of 3M Satin tape around the leading edge to add smoothness and durability

Sand wing and empennage trailing edges to a tapered shape

Removable canopy mounted with two bamboo skewers forward and two Velcro strips aft

Cut hatch for access to wing swing servo

CG location
4.7"
(or 0.5" forward of wing pivots)

Receiver

Rudder servo (optional)

3/8" sq x 4.25" hardwood motor mount