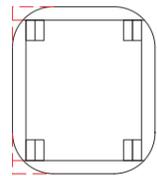


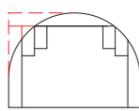
Notes:

- * All parts 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)
- * Sand all wing and empennage leading edges round and apply a piece of 3M Satin tape around the leading edge to add smoothness and durability
- * Flaperon and stabilator flight controls are recommended. Rudder is optional (nice to have but not necessary).
- * Recommended control deflections (all dimensions measured at root trailing edge):
 Stabilators: +/- 1.0"
 Ailerons: +/- 1.0"
 Flaps: 0 up, 0.5" down
- * Use -40% exponential on elevator and ailerons
- * Choose a power system that provides 15-20 oz static thrust and a 45-50 mph pitch speed.
- * Recommended brushed power system: GWS EPS-350C with C gearing (5.33), 8x6 prop, 11.1V 1200 mAh Lipo battery
- * Recommended brushless power system: Himax 2015-4100, 4.4 gearing, 9x7.5 APC SF prop, 11.1V 1500 mAh Lipo battery
- * Use a heat gun to gently bend the foam in the fuselage to pre-form it to the shapes shown

Sand fuselage corners round as shown below (not to scale)



Sand turtledeck corners round as shown below (not to scale)



.21" dia x 23.1" carbon tube spar

4.0"

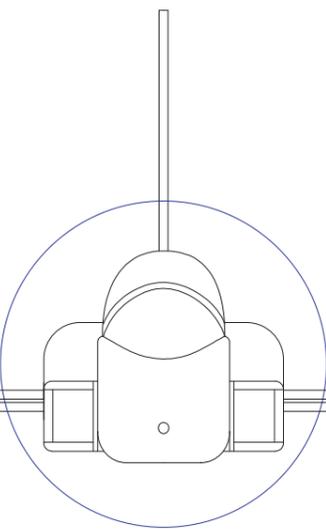
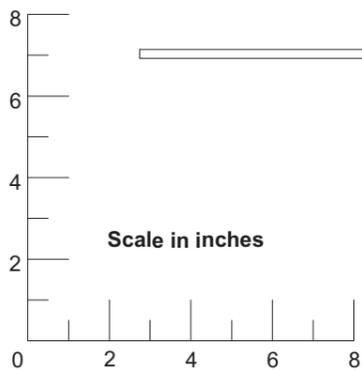
Flaperon servos

Sand leading edge round and cover with a strip of 3M Satin tape for smoothness and durability

Cut 45 deg bevel in flaperon leading edge and hinge with 3M Satin tape

GWS EPS-350 motor shown (no right or down thrust)

4mm diameter x 9" carbon tube pivoting inside two 0.5" pieces of 3/16" diameter aluminum tubing



Removable canopy mounted with two toothpicks forward and two Velcro strips aft

Canopy made from laminated foam sheets and sanded to shape

Aft canopy mount made from 1/4" balsa triangle with Velcro on top

Cut hatch as required for access to receiver

3/8" sq x 4" hardwood motor mount

Nosecone made from laminated foam sheets and sanded to shape

Receiver

3/4" x 3/4" 1/64" ply bearing supports

Battery mounted to fuselage floor with a strip of Velcro

Dashed green lines indicate foam strip doublers at corners (see parts templates for details)

Cut holes in fuselage sides to fit flaperon servos tightly

Stabilator servo

Span: 28.2"
Wing area: 218 sq in
Weight: 15.0 - 18.0 oz RTF
Wing loading: 10.9 oz/sq ft

Designed and drawn by Steve Shumate
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