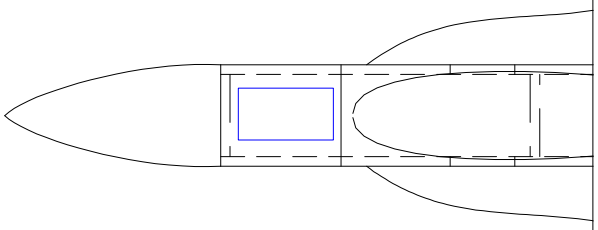
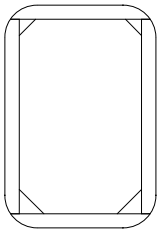
Notes:

* 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
* Rudder control is optional
* Recommended control deflections (all dimensions measured at root trailing edge):
  - Stabilators: +/- 1.0"
  - Ailerons: +/- 1.25"
  - Rudders: +/- 0.75"
  - Flaps: 0 up, 1.25" down
* Launch with 10 deg flaps, land with up to 30 deg flaps. For improved manuevering in small fields, set 10 deg flaps.
* Use -40% exponential on elevator and ailerons
* Recommended brushed power system: GWS EPS-350C with C gearing (5.33), 8x6 GWS SF prop, 11.1V 1200 mAh Lipo battery
* Use a heat gun to gently bend the foam in the aft fuselage to pre-form it to the shapes shown

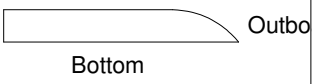


1"
wing spa
(t

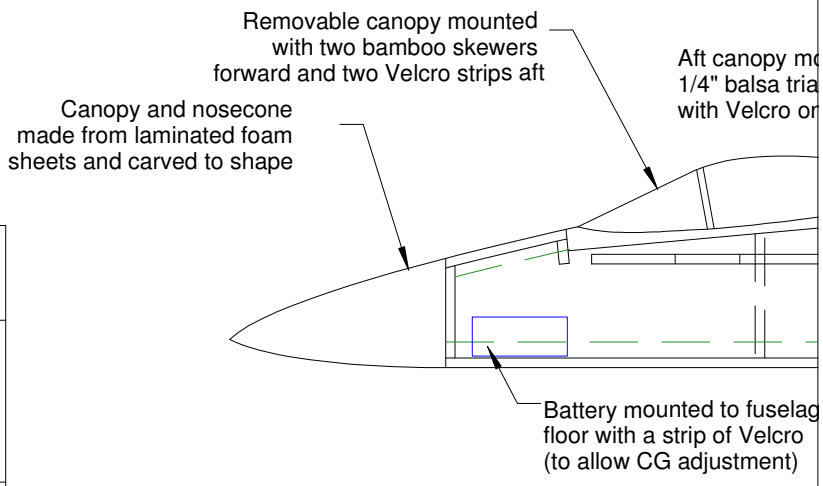
Sand fuselage corners round as shown below (not to scale)



Sand strake to cross section shown below (not to scale)



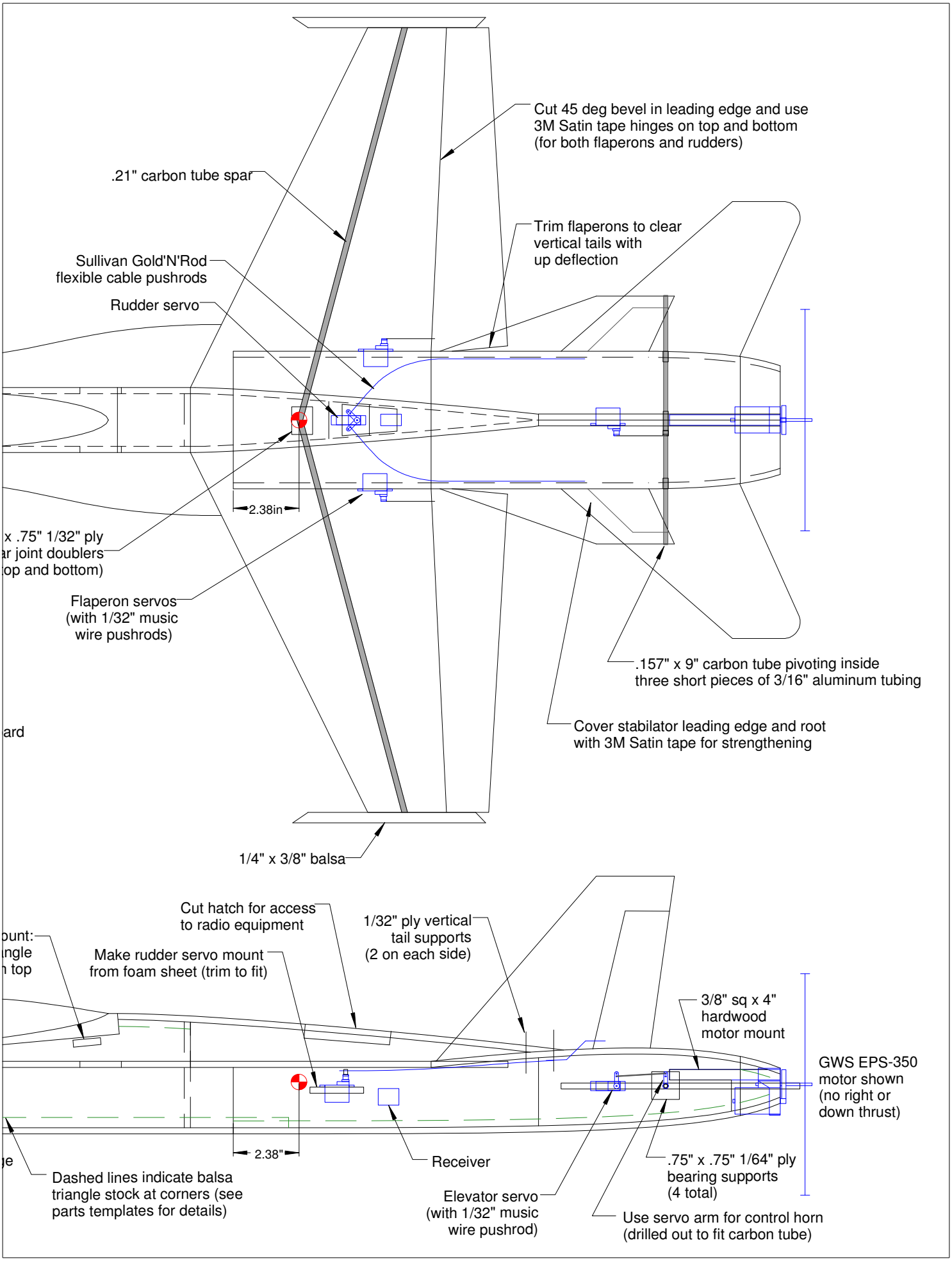
Scale in inches



F/A-18 Hornet Parkflyer

Span: 28.4"
Effective wing area: 275 sq in
Weight: 15.0 - 17.0 oz RTF
Wing loading: 8.9 oz/sq ft

Designed and drawn by Steve Shumate


Cut 45 deg bevel in leading edge and use
3M Satin tape hinges on top and bottom
(for both flaperons and rudders)
.21" carbon tube spar
Trim flaperons to clear
vertical tails with
up deflection
Sullivan Gold'N'Rod
flexible cable pushrods
Rudder servo
2.38in
x .75" 1/32" ply
ar joint doublers
op and bottom)
Flaperon servos
(with 1/32" music
wire pushrods)
.157" x 9" carbon tube pivoting inside
three short pieces of 3/16" aluminum tubing
ard
Cover stabilator leading edge and root
with 3M Satin tape for strengthening
1/4" x 3/8" balsa
Cut hatch for access
to radio equipment
1/32" ply vertical
tail supports
(2 on each side)
ount:
ngle
n top
Make rudder servo mount
from foam sheet (trim to fit)
3/8" sq x 4"
hardwood
motor mount
GWS EPS-350
motor shown
(no right or
down thrust)
2.38"
Receiver
.75" x .75" 1/64" ply
bearing supports
(4 total)
ge
Dashed lines indicate balsa
triangle stock at corners (see
parts templates for details)
Elevator servo
(with 1/32" music
wire pushrod)
Use servo arm for control horn
(drilled out to fit carbon tube)