

NOTES:

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

* Taileron flight controls recommended

* Rudder and thrust vectoring are optional

* Recommended control deflections (all dimensions measured at root trailing edge):

Stabilators (pitch): +/- 1.5" (-30% expo)

Stabilators (roll): +/- 1.5" (-30% expo)

Rudder: +/- .75"

Thrust vectoring (both pitch and roll): +/- 1.0" (measured at spinner)

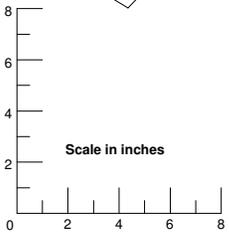
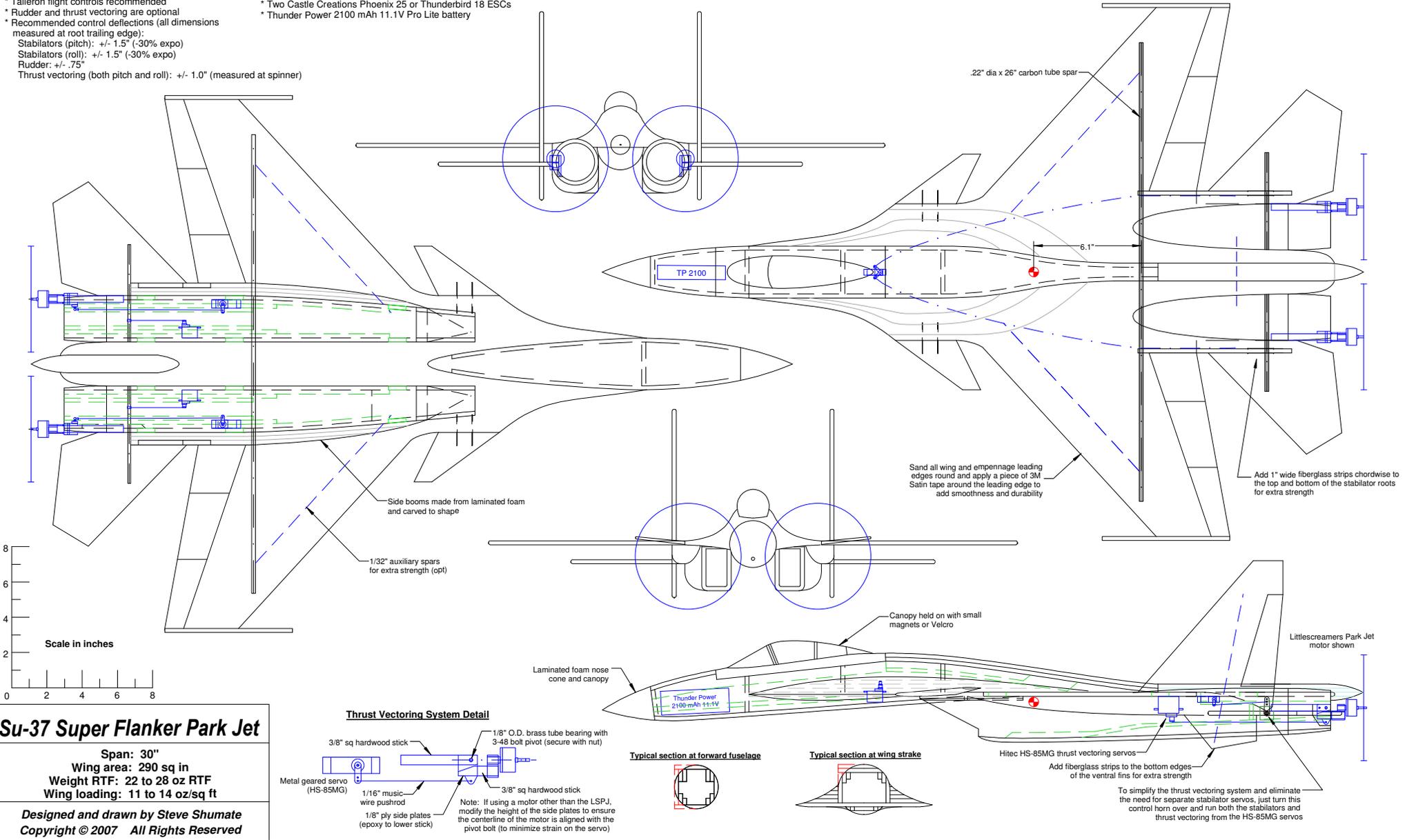
RECOMMENDED POWER SETUP:

* Two Littlecreamers Park Jet motors

* APC 6x4E regular and pusher props (counter-rotating)

* Two Castle Creations Phoenix 25 or Thunderbird 18 ESCs

* Thunder Power 2100 mAh 11.1V Pro Lite battery



Su-37 Super Flanker Park Jet

Span: 30"

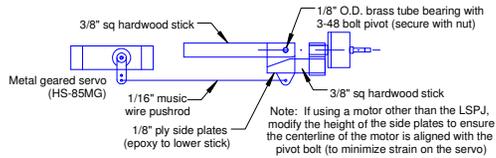
Wing area: 290 sq in

Weight RTF: 22 to 28 oz RTF

Wing loading: 11 to 14 oz/sq ft

Designed and drawn by Steve Shumate
Copyright © 2007 All Rights Reserved

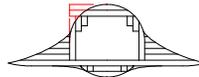
Thrust Vectoring System Detail



Typical section at forward fuselage



Typical section at wing strake



To simplify the thrust vectoring system and eliminate the need for separate stabilator servos, just turn this control horn over and run both the stabilators and thrust vectoring from the HS-85MG servos