

38.0 cu in wing volume
 LE: 3/8"
 6.0 lb balsa (or lighter)

TE: 1/8"
 6.0 lb balsa
 Ribs: 3/32"
 6.0 lb balsa

Micafilm or Oracover covering

Wing failure at...
 ...18 lb launch pull
 ...CLmax at 90 mph

Fuselage pod:
 1/8" 8.0 lb balsa sides
 3/8" 6.0 lb top & bot
 0.75 oz glass skin

0.012" wire pushrods
 0.030" Polyethylene housings on top of boom, with 0.75 oz glass spiral wrap
 Left pushrod is antenna end

0.19" servo horns for +/-60 deg servo
 0.23" servo horns for +/-45 deg servo
 0.36" tail horns

2 HS50 servo 12.0 g
 Hitec 555 RX 15.0 g
 3 NiCd 120mAh 18.0 g
 Wiring 3.0 g

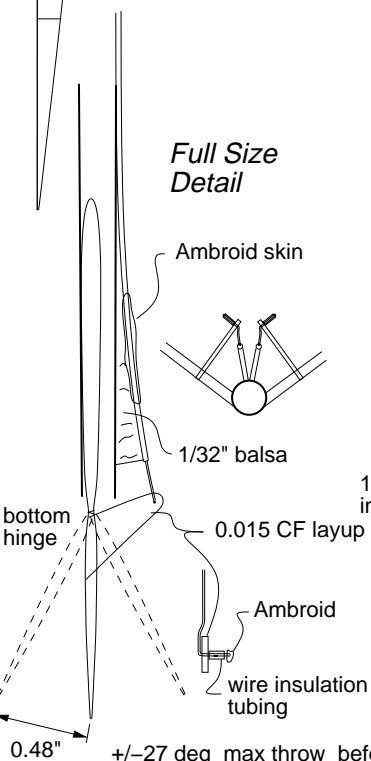
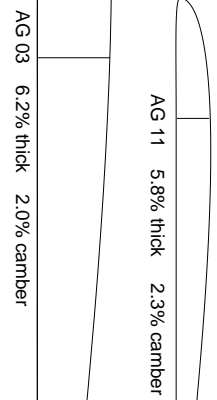
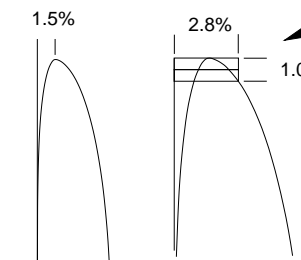
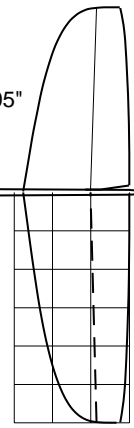
Wing 56.0 g
 Fuse 7.0 g
 Boom 5.0 g
 Tail 4.0 g

TOTAL 120.0 g

V = 5 - 12 m/s
 = 10 - 28 mph
 Re = 8 - 23K /in

CL = 0.8 - 0.1
 L/D = 17 - 8

Tails: 1/8"
 5.0 lb balsa or lighter.
 Taper to 0.05" at tip



1/16" CF dowels in ply bulkhead

Apogee "40w"

RC HLG

Span: 40 in
 Area : 190 sq in
 Mass: 4.2 oz

Mark Drela 8 . 8 . 1999

Avia Skinny 7.6g,
 32" carbon boom
 Use big end

