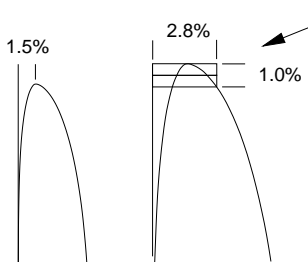
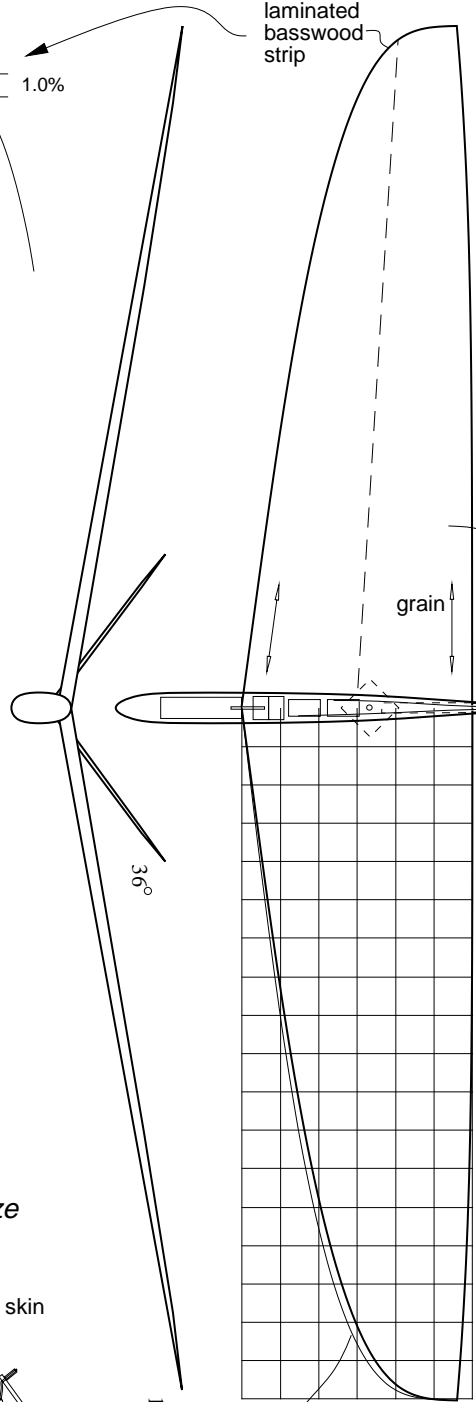


AG 03 6.2% thick 2.0% camber

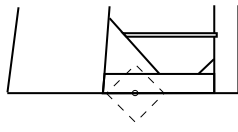


AG 11 5.8% thick 2.3% camber



2 HS50 servo	12.0 g
Tetra 301 RX	11.0 g
4 50mAh NiCd	16.0 g
Wiring	1.0 g
Wing	48.0 g
Fuse	7.0 g
Boom	5.0 g
Tail	3.0 g
TOTAL	104.0 g

Built-up version for 6 lb balsa



Alternative RX/batt.:

Berg RX	11.0 g
Hitec 555 RX	15.0 g
3 50mAh NiCd	12.0 g

4.5 lb or less C-grain balsa sanding sealer
30 cu in volume

5.0 lb or less C-grain balsa sanding sealer


6 lb balsa fuselage pod, 0.75 oz glass skin

Avia Skinny 7.6g, 32" carbon boom
Use big end, thin out wall towards tail

0.008" wire pushrods
0.027" Teflon housings on top of boom, with 0.75 oz glass spiral wrap
Right pushrod is antenna end

Sh = 14.7 sq in (effective)

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



Apogee RC HLG

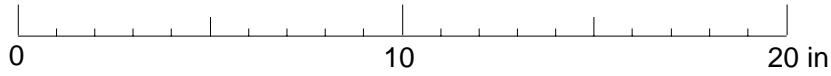
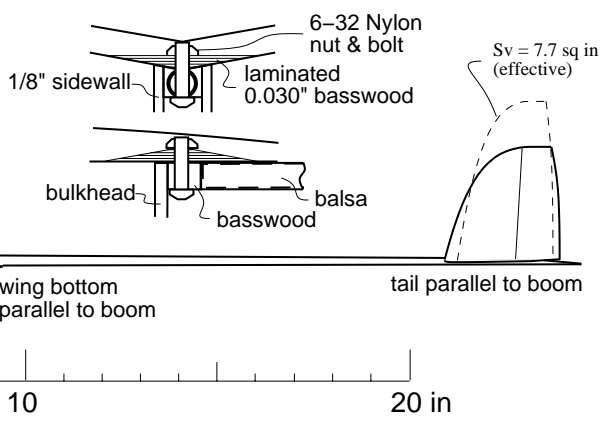
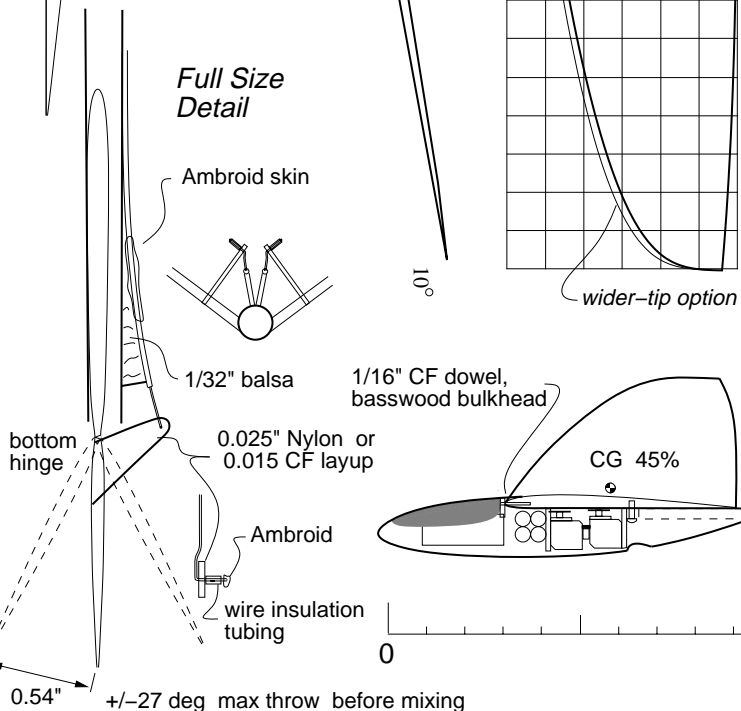
Span: 36 in
Area : 160 sq in
Mass: 3.7 oz

Mark Drela 7.7.1999

Suggested Improvements

- 12 degrees dihedral (more yaw response, more spiral stability)
- 1/4" wider tip chord (better tip stall resistance)
- 0.012" pushrods - center strand of 0.03 cable (more robust, stiffer)
- Extend balsa fuselage to 2" behind TE (less drag)
- Two front wing dowels (better transfer of roll moments)
- Add lightness!

Full Size Detail



0.54" +/-27 deg max throw before mixing