V = 5 – 12 m/s
= 10 – 28 mph
Re = 8 – 23 K/in
CL = 0.8 – 0.1
L/D = 17 – 8

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

CG 45%
2 HS50 servo 12.0 g
Hitec 555 RX 15.0 g
3 NiCd 120 mAh 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

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

Laminated basswood strip

Ambroid skin

1/32” balsa

0.015 CF layup

1/16” CF dowels in ply bulkhead

CG 45%

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

Mark Drela 8.8.1999

Full Size Detail

Ambroid skin

wire insulation tubing

CG 45%

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

Mark Drela 8.8.1999