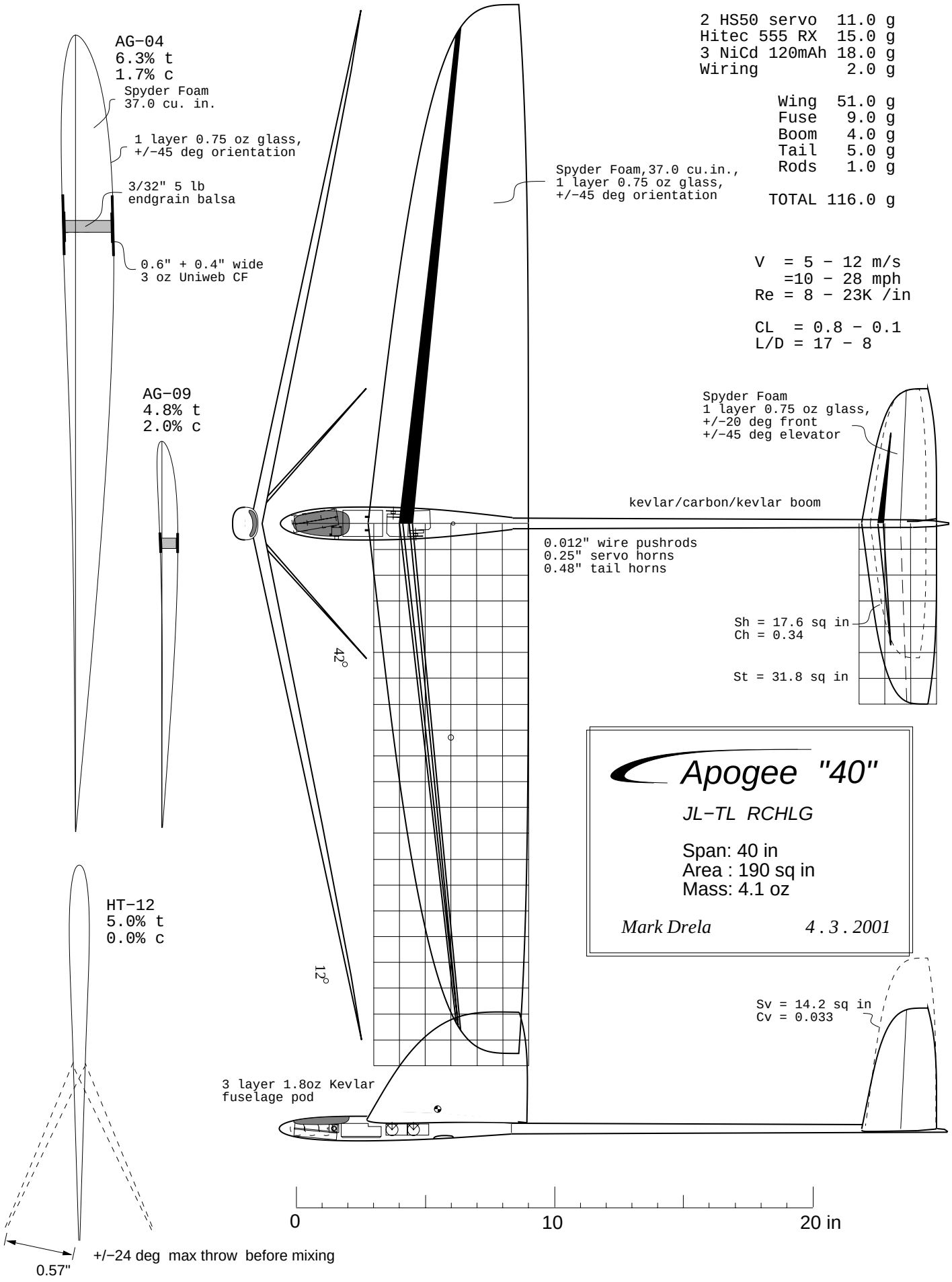
AG−04
6.3% t
1.7% c
Spyder Foam
37.0 cu. in.
1 layer 0.75 oz glass,
+/−45 deg orientation
3/32" 5 lb
endgrain balsa
0.6" + 0.4" wide
3 oz Uniweb CF
AG−09
4.8% t
2.0% c
HT−12
5.0% t
0.0% c
0.57"
+/−24 deg max throw before mixing
2 HS50 servo 11.0 g
Hitec 555 RX 15.0 g
3 NiCd 120mAh 18.0 g
Wiring 2.0 g
Wing 51.0 g
Fuse 9.0 g
Boom 4.0 g
Tail 5.0 g
Rods 1.0 g
TOTAL 116.0 g
V = 5 − 12 m/s
=10 − 28 mph
Re = 8 − 23K /in
CL = 0.8 − 0.1
L/D = 17 − 8
Spyder Foam,37.0 cu.in.,
1 layer 0.75 oz glass,
+/−45 deg orientation
Spyder Foam
1 layer 0.75 oz glass,
+/−20 deg front
+/−45 deg elevator
kevlar/carbon/kevlar boom
0.012" wire pushrods
0.25" servo horns
0.48" tail horns
Sh = 17.6 sq in
Ch = 0.34
St = 31.8 sq in
42°
12°
Apogee "40"
JL−TL RCHLG
Span: 40 in
Area : 190 sq in
Mass: 4.1 oz
Mark Drela
4 . 3 . 2001
Sv = 14.2 sq in
Cv = 0.033
3 layer 1.8oz Kevlar
fuselage pod
0
10
20 in