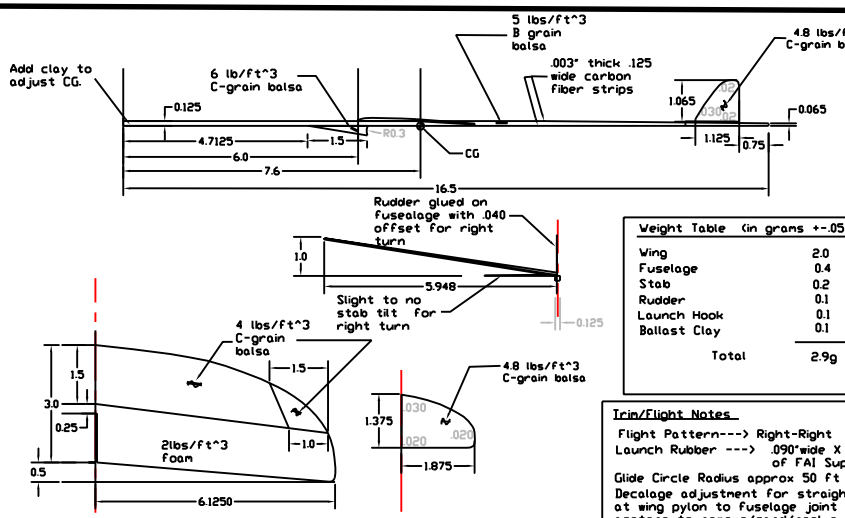

Weight Table (in grams +-.05)	
Wing	2.0
Fuselage	0.4
Stab	0.2
Rudder	0.1
Launch Hook	0.1
Ballast Clay	0.1
Total	2.9g

Trim/Flight Notes

Flight Pattern---> Right-Right
Launch Rubber ---> .090"wide X 10.5" loop of FAI Super Sport
Glide Circle Radius approx 50 ft
Decalage adjustment for straight launch at wing pylon to fuselage joint (use acetone to remove/sand/reglue

UpSweep
LE Angle
Sand wing on flat surface, bend foam flap after glued on fuselage

Wing Airfoil Parameter Sanding Table

Span Location	0	1.516	3.031	4.547	6.000
Chord	3.000	3.000	2.910	2.493	1.080
High Point (HP)thickness	0.081	0.081	0.079	0.067	0.029
HP to Leading Edge (LE)	0.900	0.900	0.873	0.748	0.324
Foam Flap Chord	1.500	1.440	1.380	1.320	1.260
Thickness at LE of flap	0.044	0.042	0.040	0.036	0.030
UpSweep	0.010	0.010	0.010	0.010	0.010
LE Radius	0.010	0.010	0.010	0.010	0.010
Trailing Edge (TE) thickness	0.020	0.020	0.020	0.020	0.020
LE Angle	23	23	23	23	23

Glue joints

Launch hook to fuselage	CA
Dihedral wing joint	CA
Foam to balsa joints	Weldbond
All other joints	Duco Cement thinned 50%

4
3
2
1
.5
0
0 .5 1 2 3 4

Vertical and Horizontal scale

All dimension all in inches except for angles which are in degrees.

Kent Special

Designed by K. Grenpeta

National Record on 4/29/2018 at Kent Ohio Kent University FieldHouse
Two Flight total Time 2 minutes 21 seconds
Launch Height approx. 55 ft