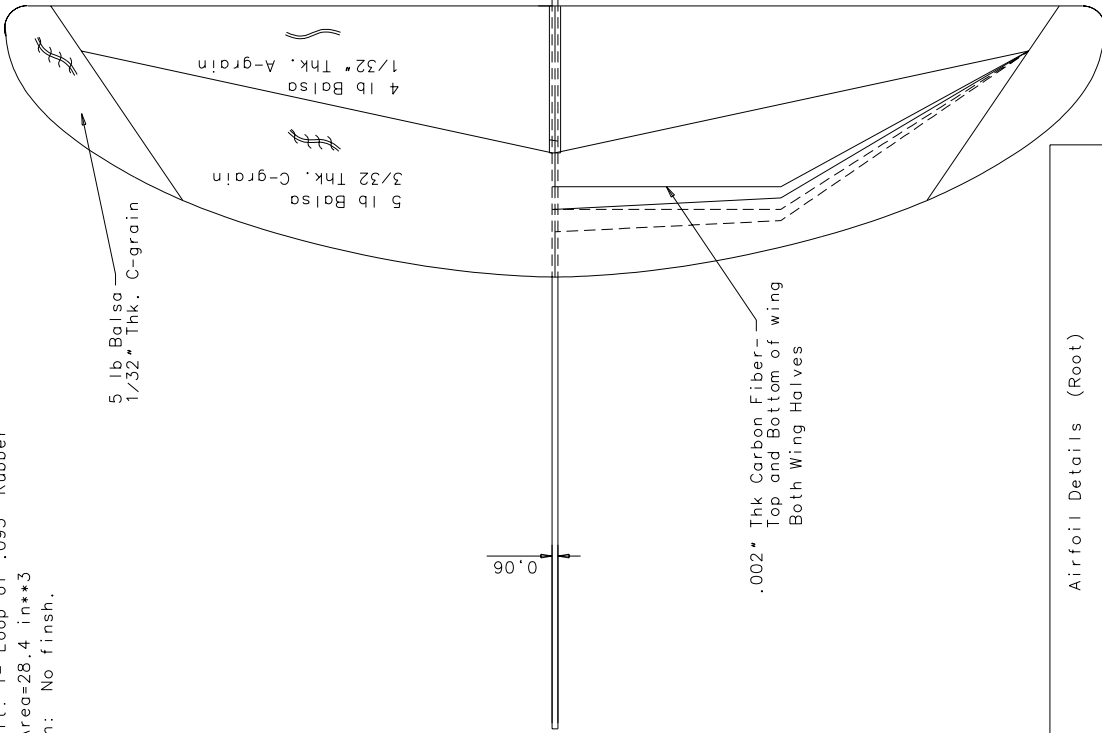


Catapult: 1- Loop of .093" Rubber
 Wing Area=28.4 in**3
 Finish: No finish.

5 lb Balsa
 1/32" Thk. C-grain

5 lb Balsa
 3/32 Thk. C-grain

4 lb Balsa
 1/32" Thk. A-grain



.002" Thk Carbon Fiber-
 Top and Bottom of wing
 Both Wing Halves

Airfoil Details (Root)

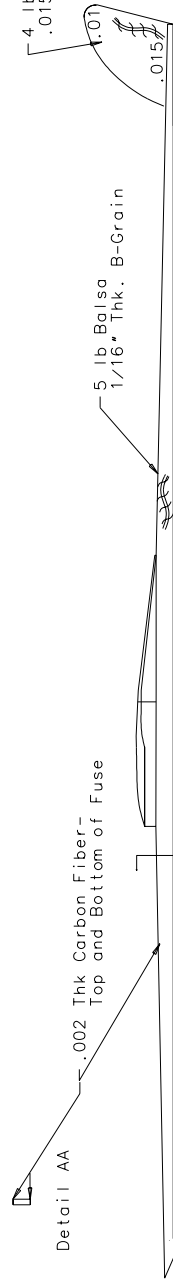
Sand as shown (2X)

Bend and form carefully as
 shown (2X) Flat at tips.

Detail AA
 .002 Thk Carbon Fiber-
 Top and Bottom of Fuselage

4 lb Balsa
 .015" Thk. C- Grain

5 lb Balsa
 1/16" Thk. B-Grain

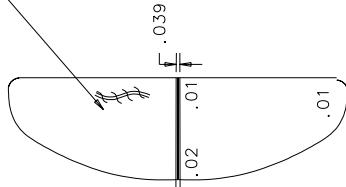


Span (1" Increments)	Thickness
0	.060
1	.055
2	.049
3	.042
4	.034
5	.024
TIP	.015

Note: For a Catapult Cat I glider, use lighter wood, and thin surfaces/fuse (in thickness) about 20% from the dimensions shown.

Span (1" Increments)	Thickness
0	.090
1	.082
2	.073
3	.063
4	.052
5	.036
TIP	.020

5 lb Balsa
 .020" Thk. C-grain



Offset Rudder's Trailing
 Edge .025" for left turn

1.5

No Stab Tilt

Weight Chart (Cat I)	
Wing	1.15g
Elevator	.10g
Rudder	.09g
Fuse	.50g
Clay	.10g
Total	1.9g

Weight Chart (Cat II)	
Wing	1.30g
Elevator	.13g
Rudder	.02g
Fuse	.60g
Clay	.15g
Total	2.2g

Standard Time Machine
 By Kurt Krempetz
 Category 1-2 Standard Class
 Catapult Glider

.25
 0 .5 1 Scale 2 3 (in)