

Glue wing post tubes, so that at rest, the wing has 3/32" washout on port wing, and 3/32" washin in on starboard panel.

When fully wound, the wing will then have the right amount of washin, on the inner port wing panel.

Winner of the German Indoor Nationals  
 Sept 14/15th 2002- 27:45 & 28:16\*  
 \*European, British & World? record time.

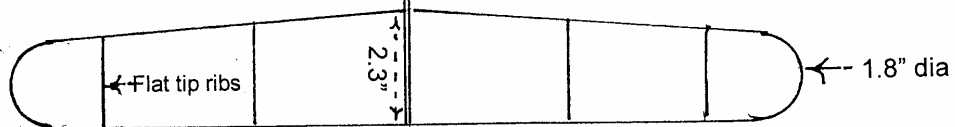
1.5 degrees left thrust only.  
 Record Flight Motor-  
 4 strands of .025" Tan 3/02 17.5" long.  
 1.025 grams dry. Max turns 3246+.  
 actual winds 2760 backed off to 2745  
 Launch Torque 4.40 inch/Ozs Model landed  
 with all turns used. At Cargolifter there was  
 more height available, if all possible turns  
 were used, over 30 mins is possible.

Weights	oz	gram
Wings	0.0076	.216
Fuselage)		
Tailboom )...	0.224	.636
Tailplane).....	0.0029	.084
Prop	0.0098	.278
Total		1.214 grams

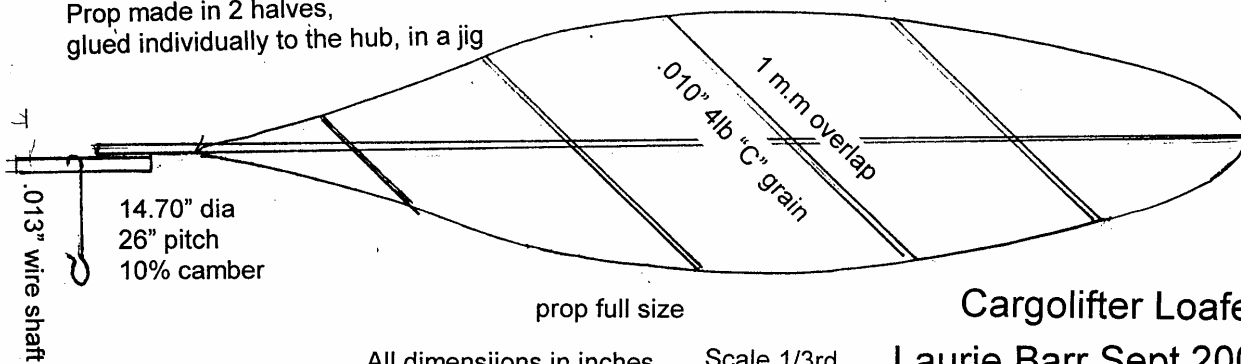
All wood except wing posts (Which are approx 6lb) is 4.5 lbs, tested for flex/weight ratio (S.C) by method shown by John Taylor, in Norwind News To achieve these weights, and required stiffness, you must have wood that tests above 100!

Wing Tips .036"x .060" taper to .042"  
 Wing Spars .036 thick x .085" taper to .055"  
 Wing Ribs .025 x .040 (C-Grain) 3% Arc.  
 Motorstick. .250" x .125", no taper!!  
 Tailboom .170" deep x .073" at root, at tip .100" deep x .055" wide. Must be stiff with no flexing.  
 Prop Spar .065" x .065" approx 6lb wood.  
 Blades .010" C grain, 4lb to 4.5Lb  
 Wing and tail posts 6lb x .047" dia, glued to fuselage/boom. Tissue tubes glued to wing and tail.

Covered in YK2-2 plastic film.  
 Dimensions and plan for wing and tail shown flat



Prop made in 2 halves, glued individually to the hub, in a jig



prop full size

Cargolifter Loafer