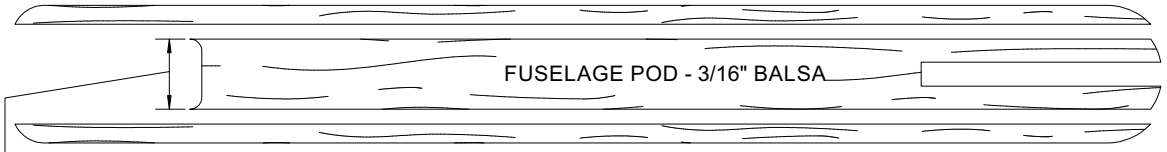
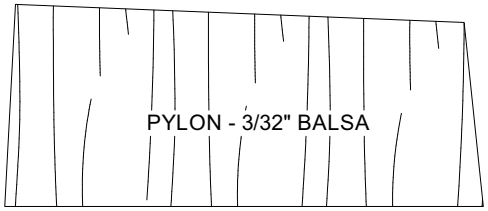
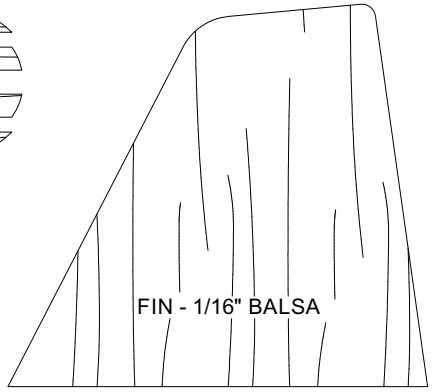
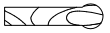


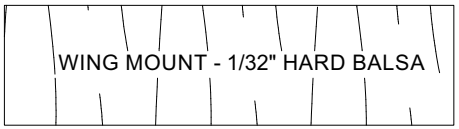
Put the heat shrink sleeving bands on the motor. Measure the outside diameter and set this dimention to be equal to that dimension.







SCISSOR SPRING MOUNT - 1/64" PLYWOOD



Cover each side of the fuselage pod with 1/2 ounce glass cloth. Attach with thin Ca.

No left thrust, no down thrust

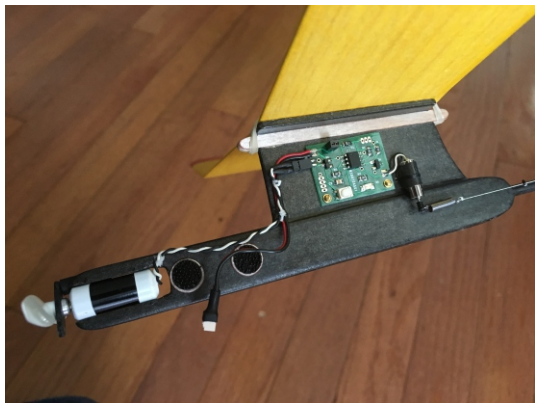
Hard 1/16 x 1/16" balsa sanded to the wing dihedral angle.

Platform is hard 1/32" balsa

$1\frac{7}{16}$ in

1/64" Plywood on each side with 3/32" balsa filler between the ends and the pylon.

Bob Selman timer with spin off DT acutator is shown



Bands of heat shrink tubing on the motor. Glue the heat shrink bands to the fuselage.

3/32" Balsa

Shrink tubing

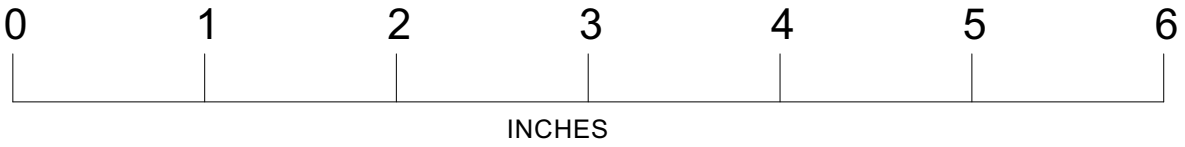
Small eyelet DT line stop

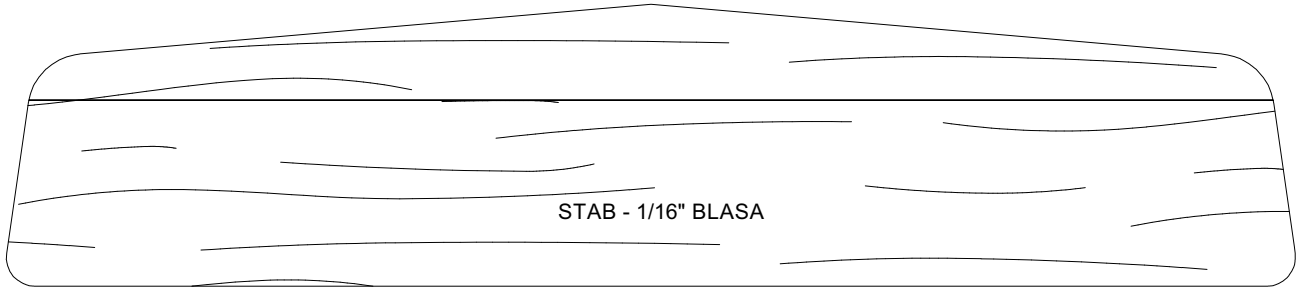
Battery

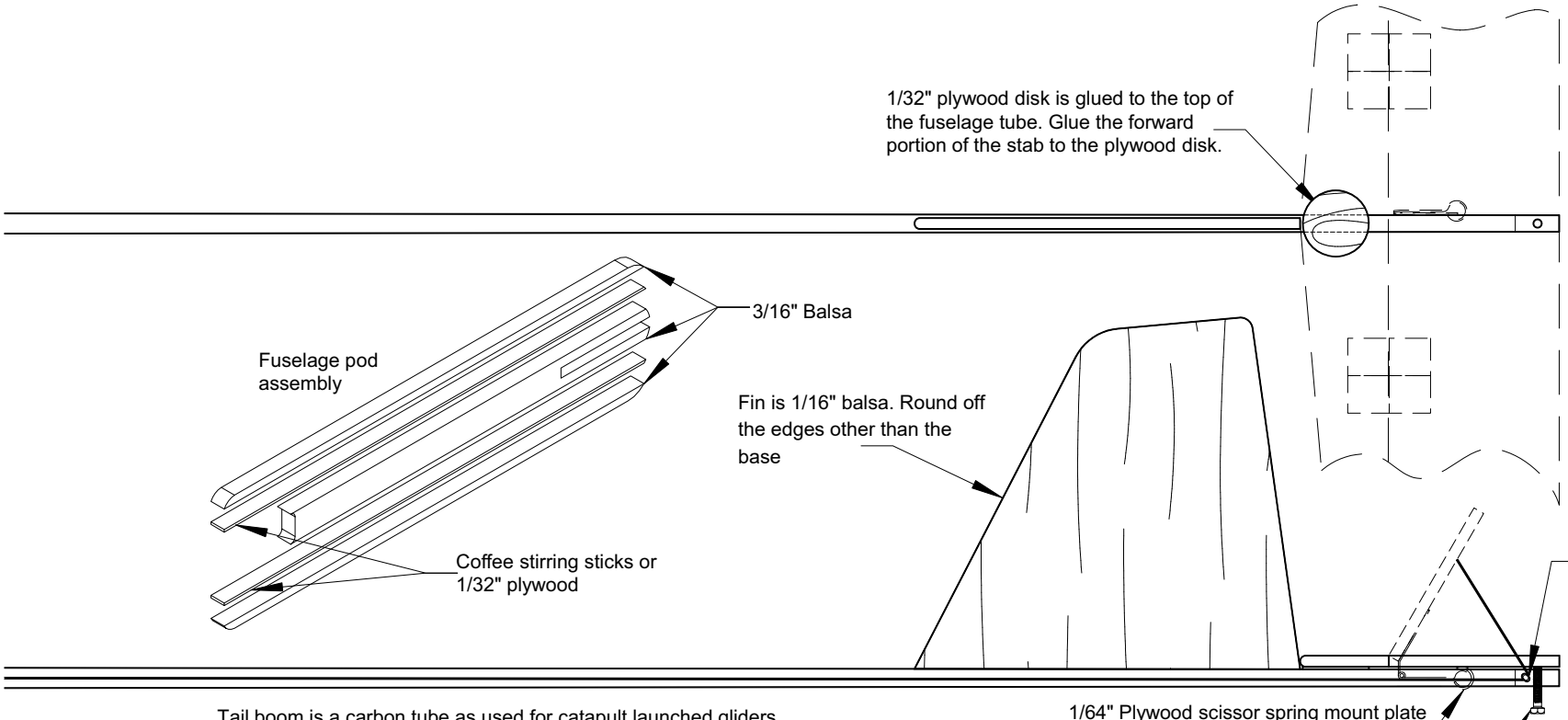
3/16" balsa

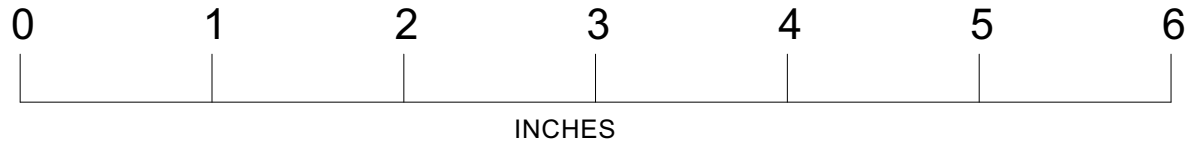
Tail boom is 13.5" long

Coffee stirring sticks or 1/32" plywood.





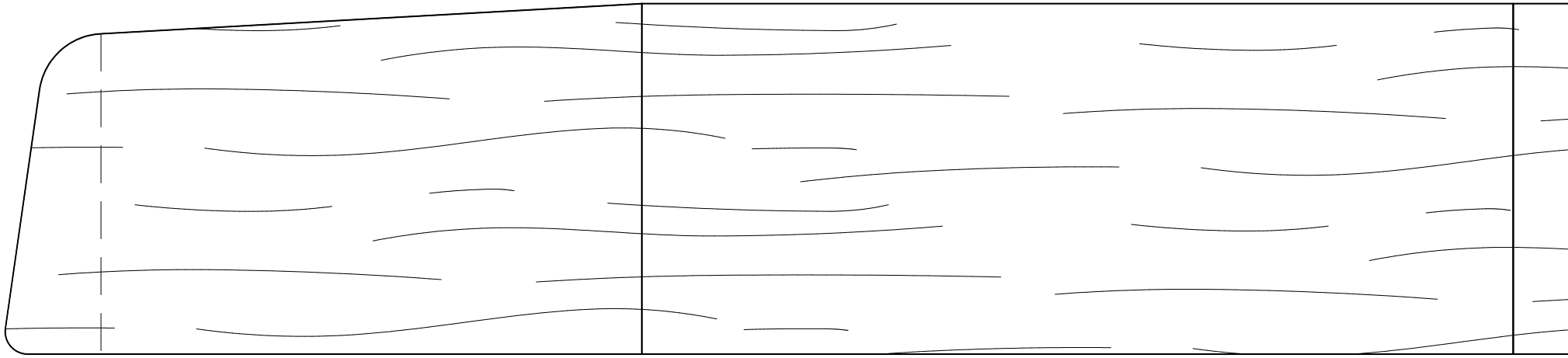




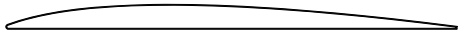
SHEET 2 of 4

Thermite

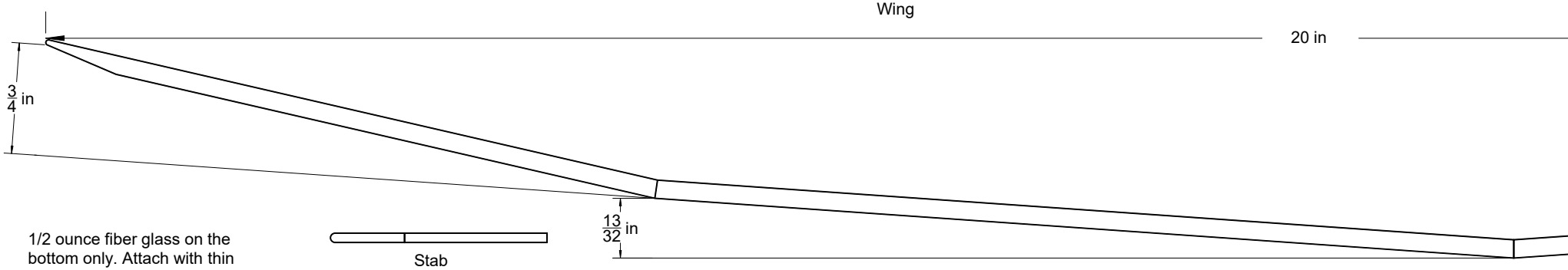
E20 Design by Ralph Bradley
CAD Drawing by Paul Bradley



Wing is 1/8" balsa in the 5 pound per cubic foot density range



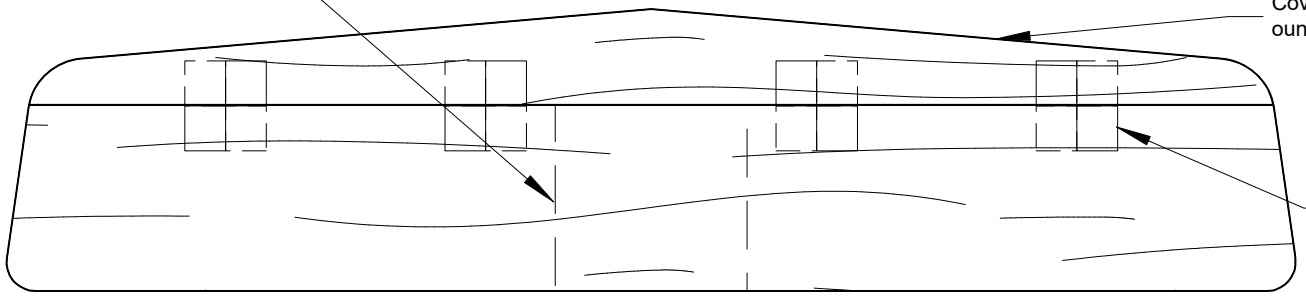
Wing



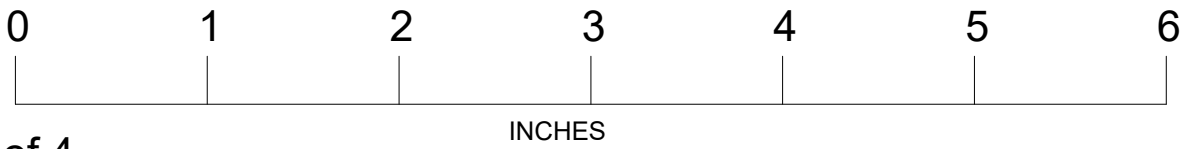
Stab

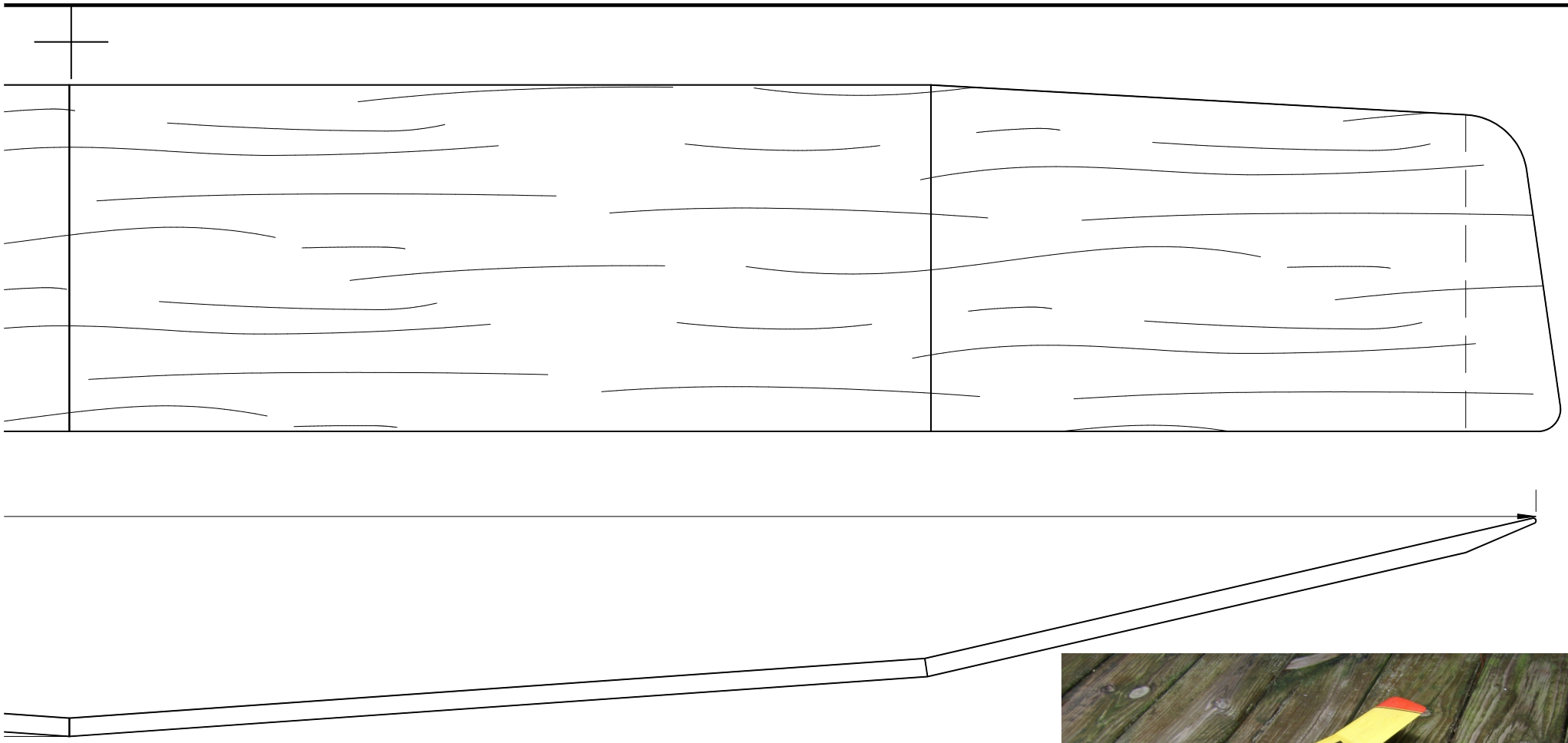
1/2 ounce fiber glass on the bottom only. Attach with thin CA and sand smooth.

Cover both sides of the forward portion of the stab with 1/2 ounce glass cloth. Attach with thin CA and sand smooth.



Prototype used tissue for the hinges. This has proven to be very durable and long lasting. Apply hinges in the Control Line over/under style. Alternate hinge material can be silk or Mylar.





NOTE: All flying surfaces should be covered with tissue. This adds considerable strength. The prototype model has a ready to fly weight of 30.5 grams including the battery.

0 1 2 3 4 5 6

INCHES

Thermite

E20 Design by Ralph Bradley
CAD Drawing by Paul Bradley