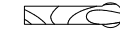
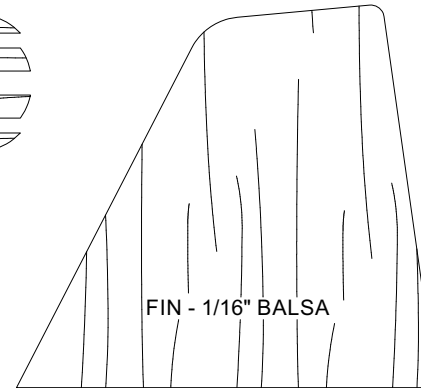
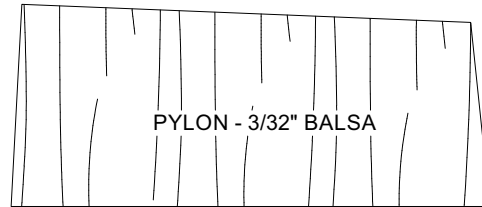
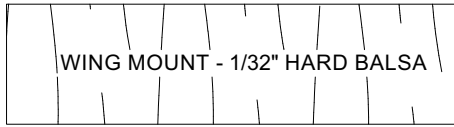


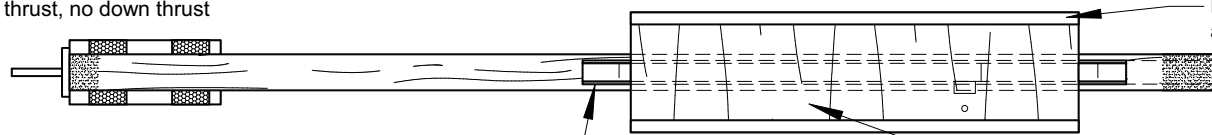
Put the heat shrink sleeving bands on the motor. Measure the outside diameter and set this dimension to be equal to that dimension.



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



Platform is hard 1/32" balsa

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

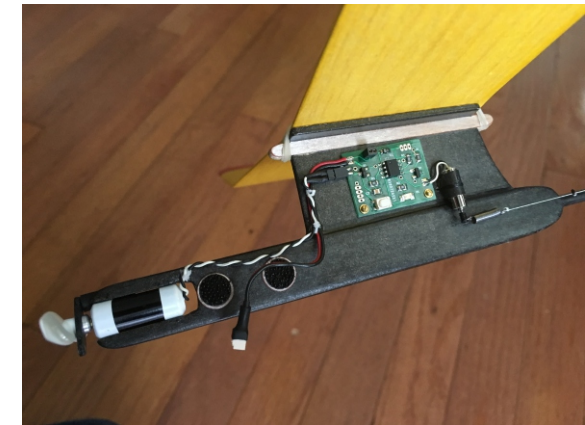
1 7/16 in

Bob Selman timer with spin off DT acuator is shown

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

3/32" Balsa

Shrink tubing



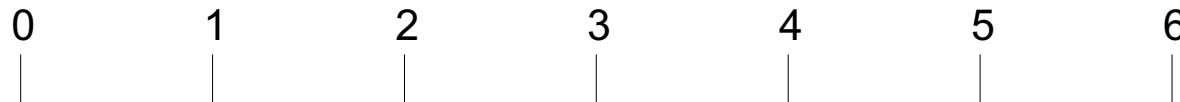
Small eyelet DT line stop

Coffee stirring sticks or 1/32" plywood.

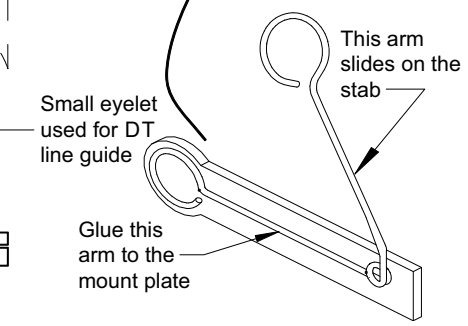
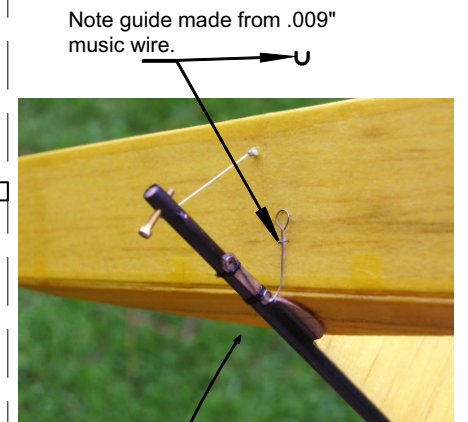
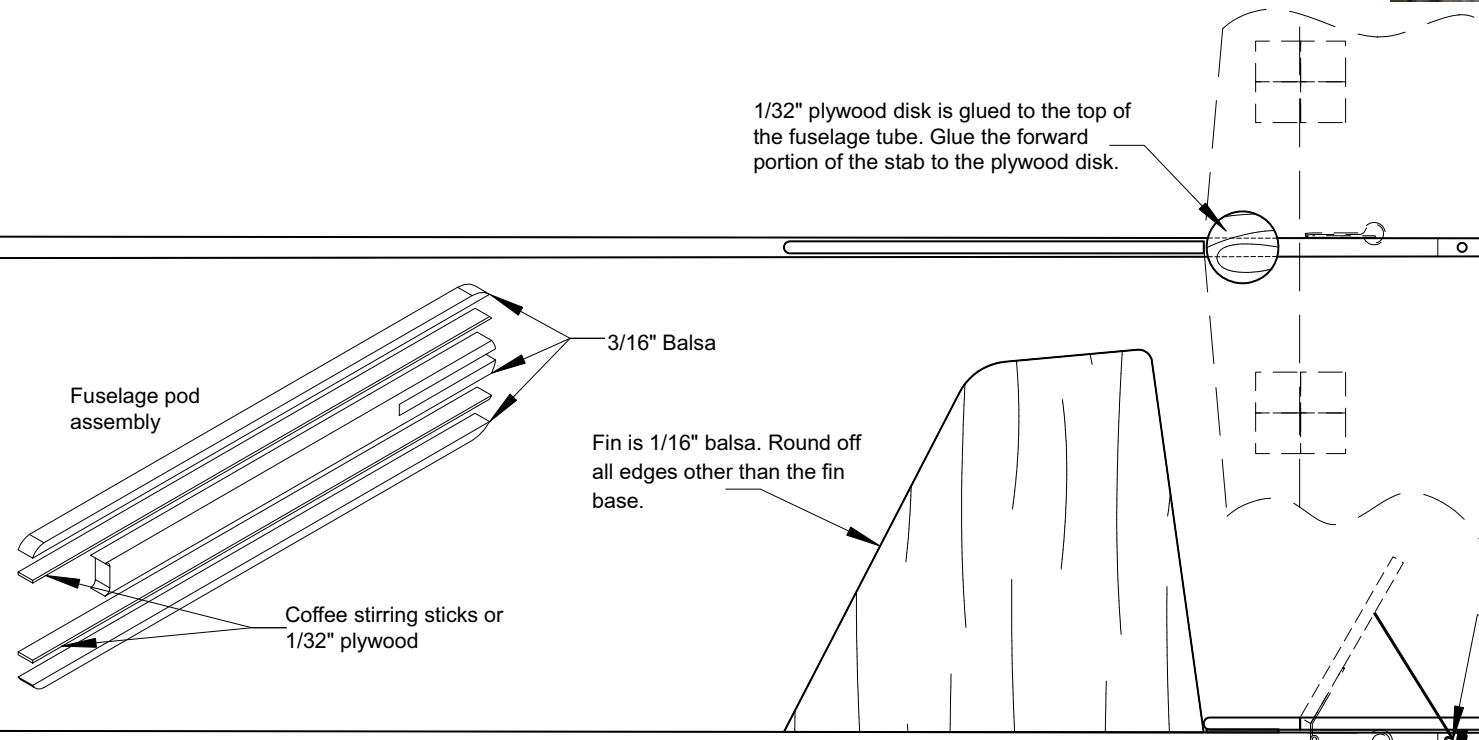
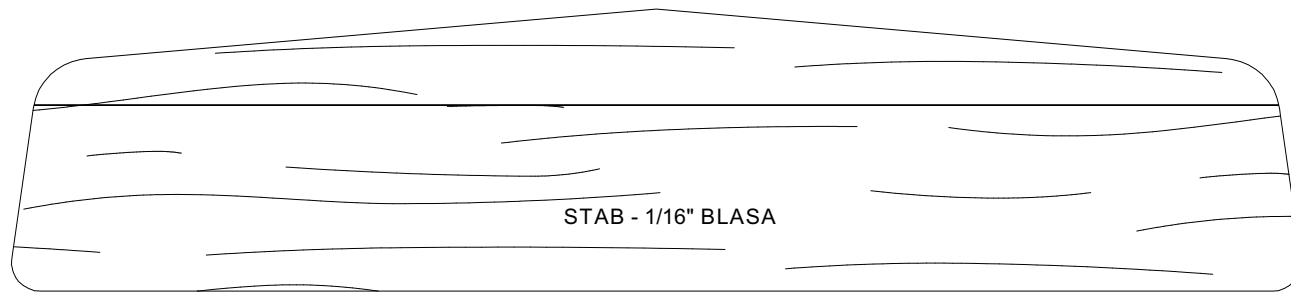
Battery

3/16" balsa

Tail boom is 13.5" long



INCHES



Scissor spring used to lift the stab for DT. Make from .009" music wire. Glue and lash the assembly to the right side of the carbon tube.

Tail boom is a carbon tube as used for catapult launched gliders. Adjust the slot in the fuselage pod to fit the tube being used.

1/32" plywood disk is glued to the top of the fuselage tube. Glue the forward portion of the stab to the plywood disk.

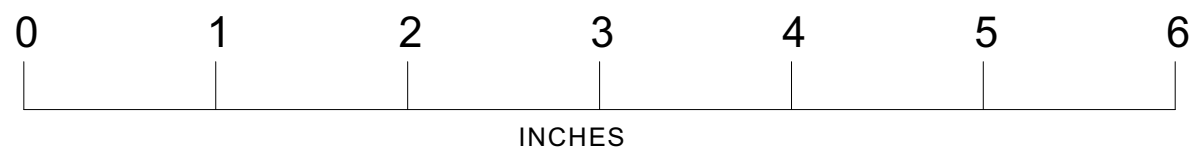
3/16" Balsa

Fin is 1/16" balsa. Round off all edges other than the fin base.

Coffee stirring sticks or 1/32" plywood

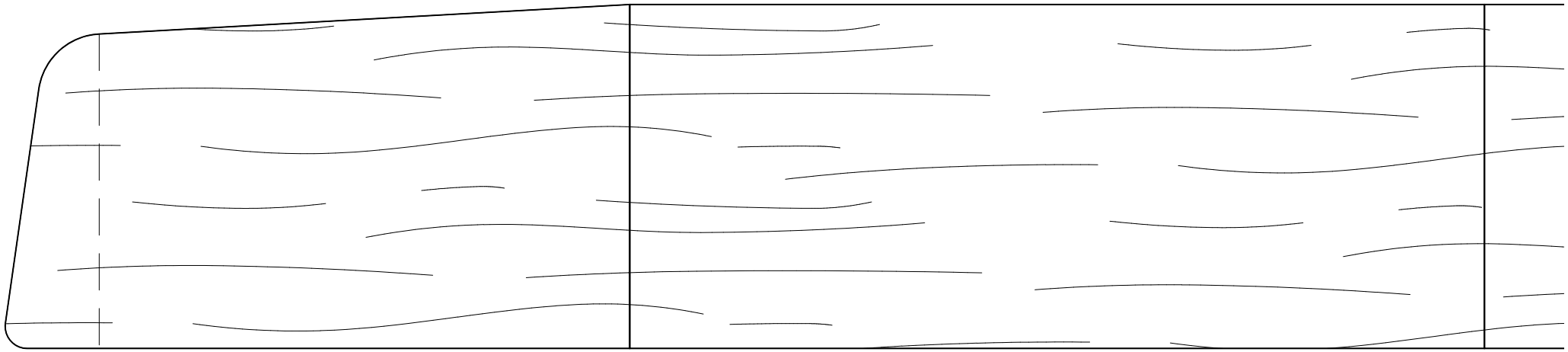
1/64" Plywood scissor spring mount plate on right side of carbon tube tail boom

00-90 DT set screw. Fill rear end of the tube with a length of dowel. Drill trough the tube and dowel and tap.

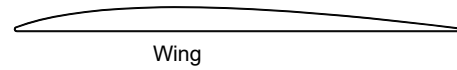


# Thermite

E20 Design by Ralph Bradley  
CAD Drawing by Paul Bradley

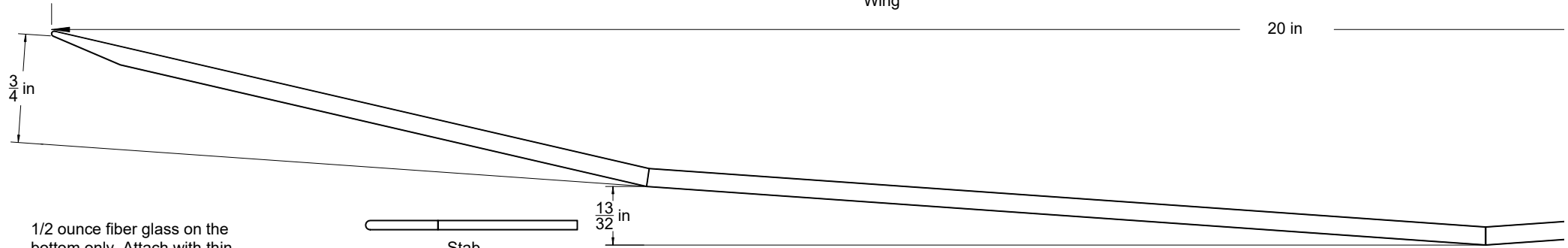


Wing is 1/8" balsa in the 5 pound per cubic foot density range

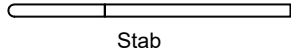


Wing

20 in



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

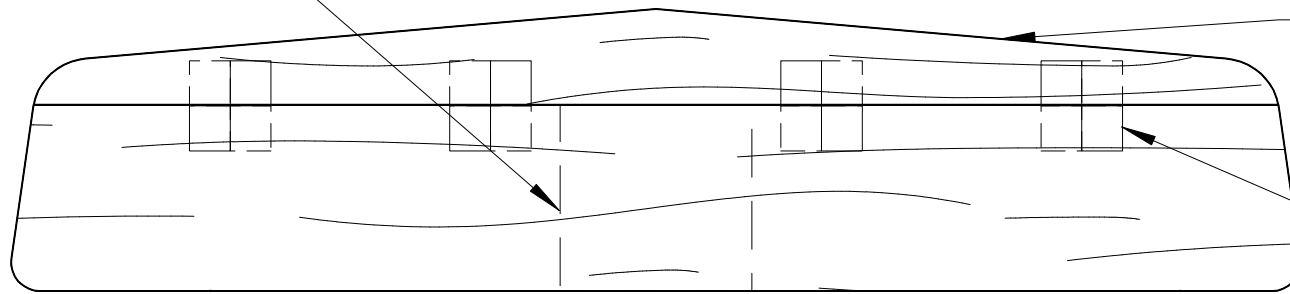


Stab

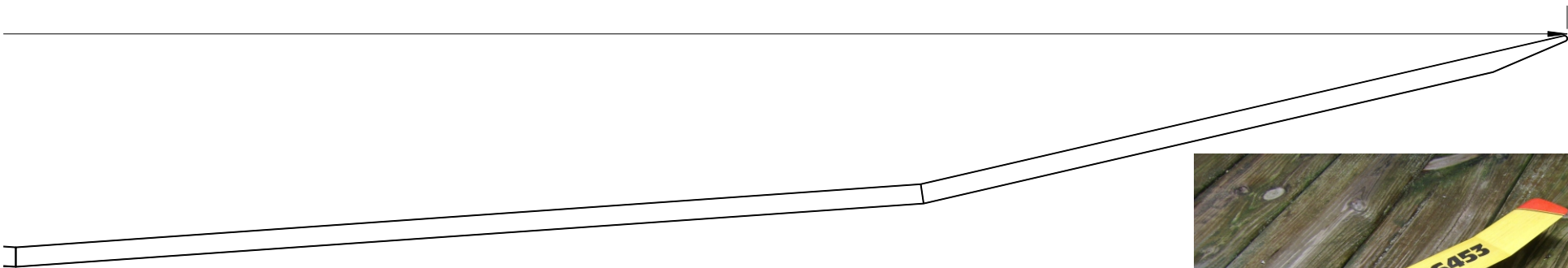
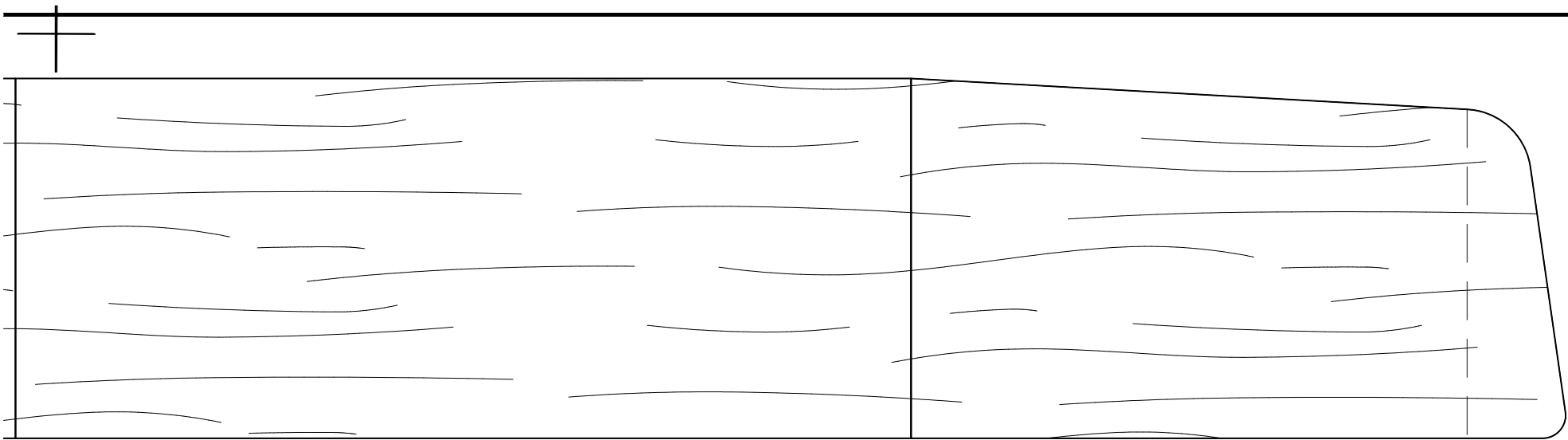
13/32 in

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

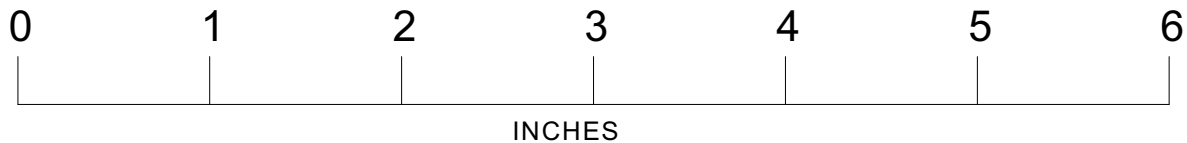
Prototype used tissue for the hinges. This has proven to be very durable and long lasting. Apply hinges in the Control Line over/under style. Alternate hinge material can be silk or Mylar.



0 1 2 3 4 5 6



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.



## Thermite

E20 Design by Ralph Bradley  
CAD Drawing by Paul Bradley

SHEET 4 of 4