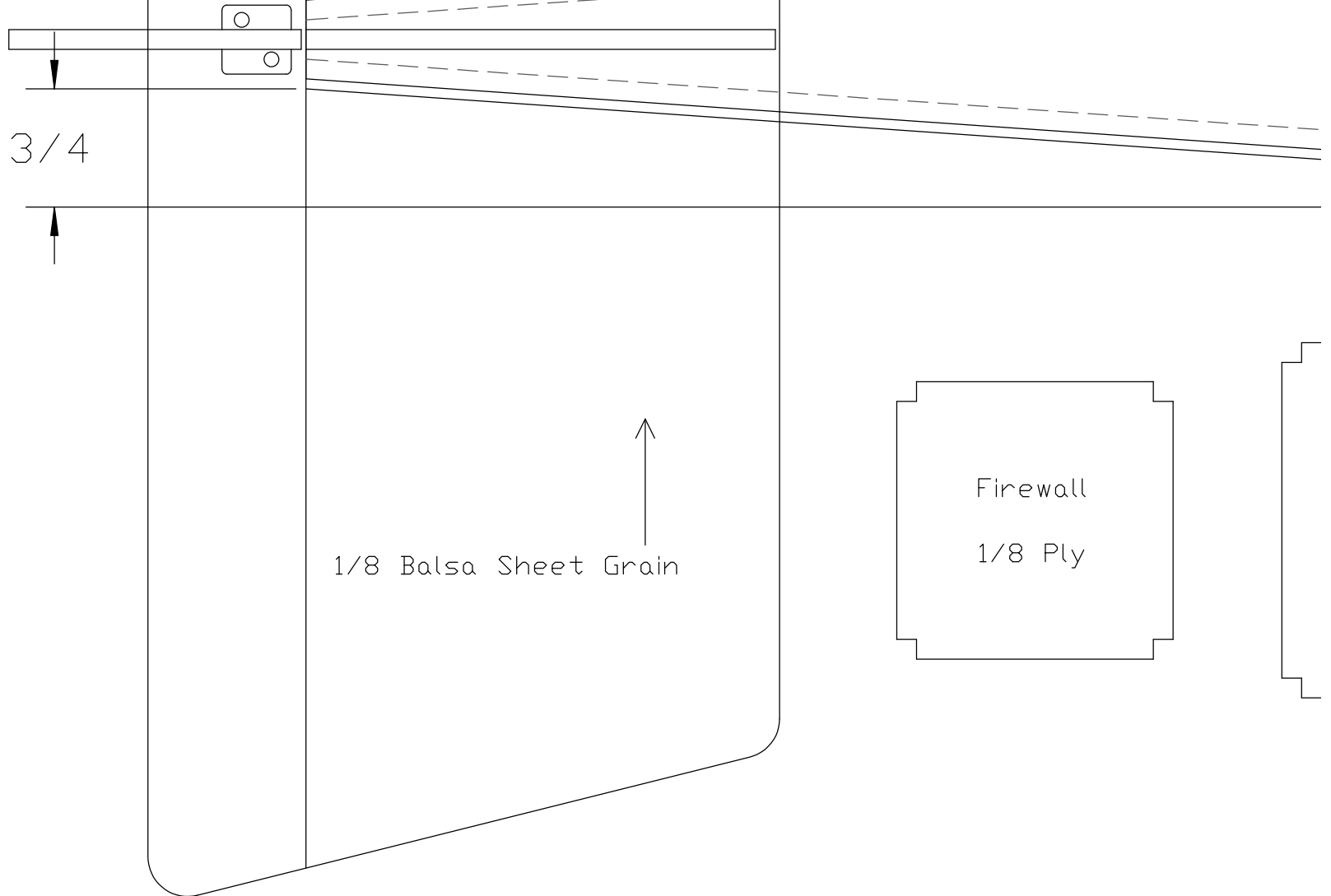
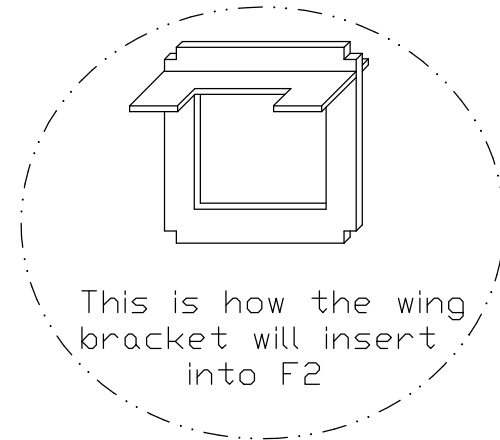
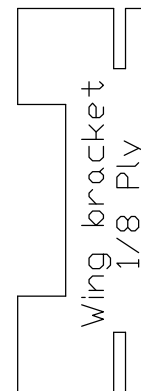
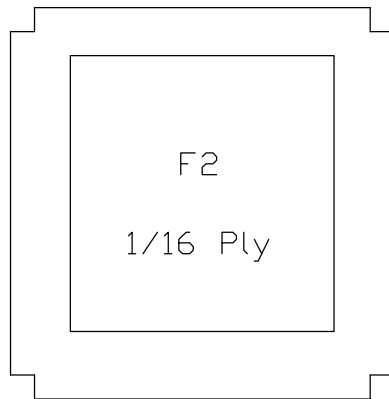
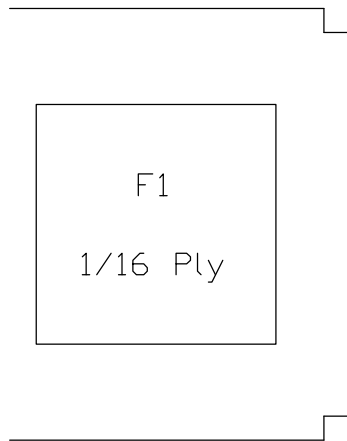
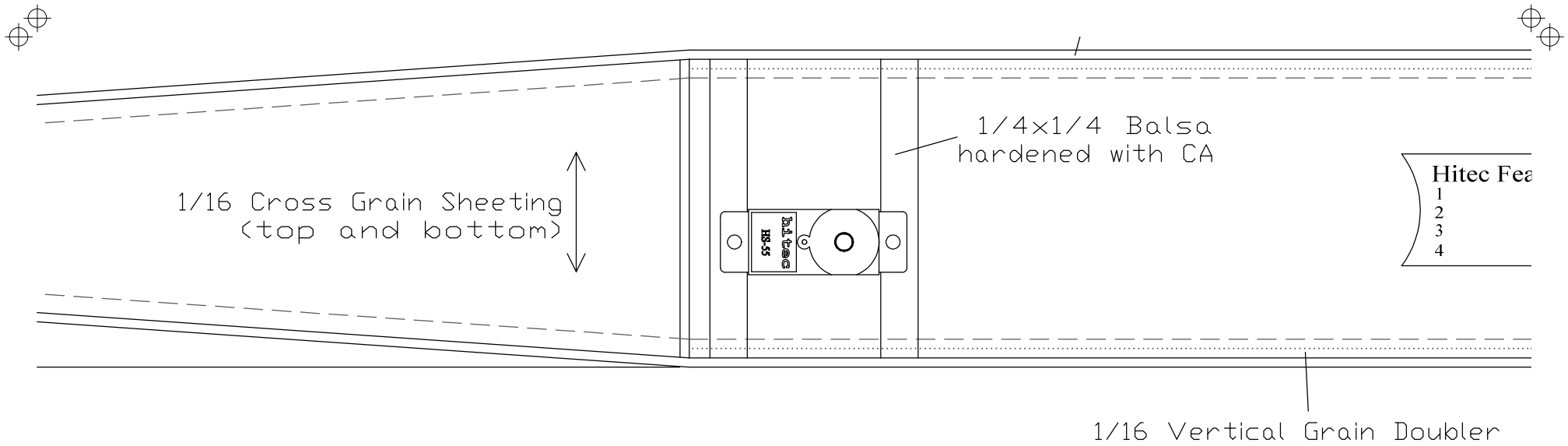
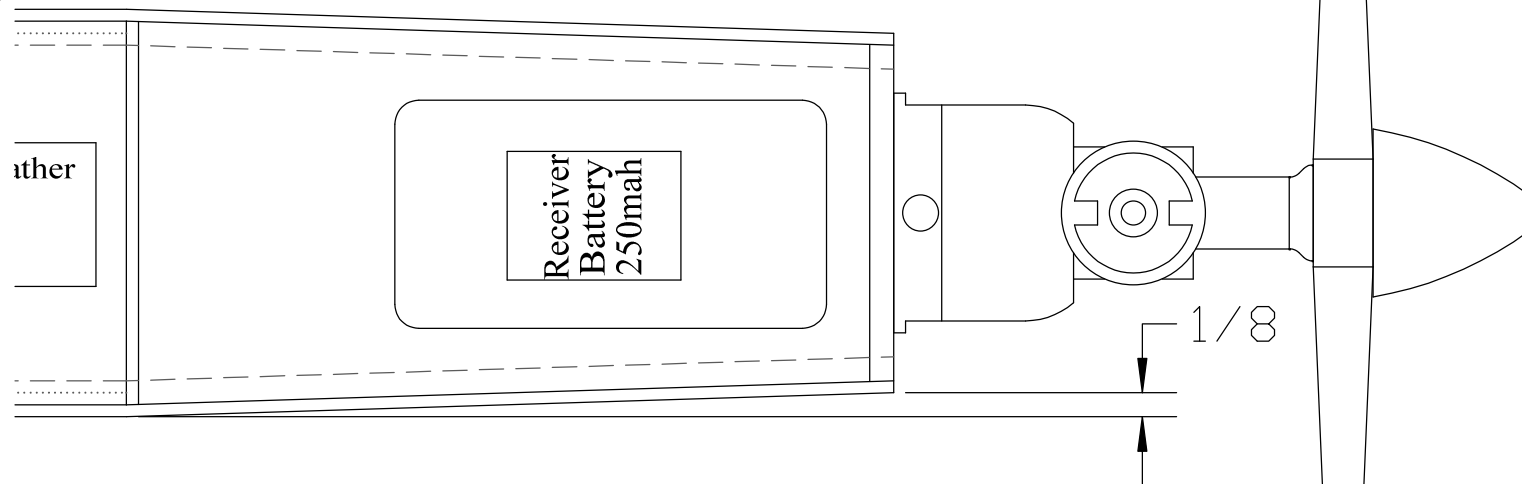


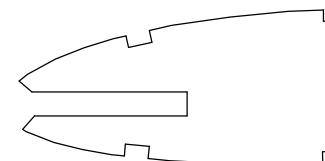
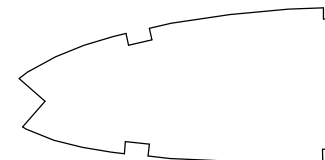
D3



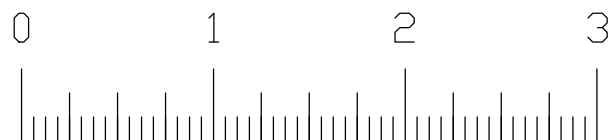




The two ribs  
are used  
The eight rib



2 - 1/8 Balsa



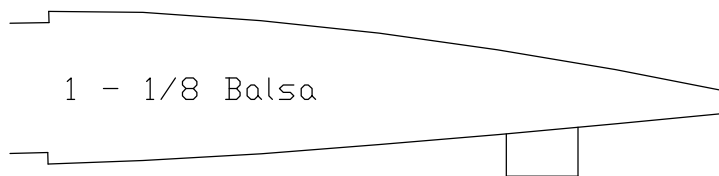
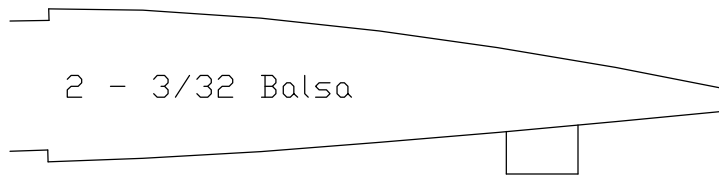
Copyright 2005 - Charles P. Ulmer all rights reserved

Power Source  
Wing Area -  
Wing Span -  
Length - 23'





5 below and the center rib  
under the center sheeting.  
5 above are the outboard ribs.



Use these two short ribs  
on the center rib above  
to make the dowel hole

# Das Not Ugly!

ce - Blackwidow .049

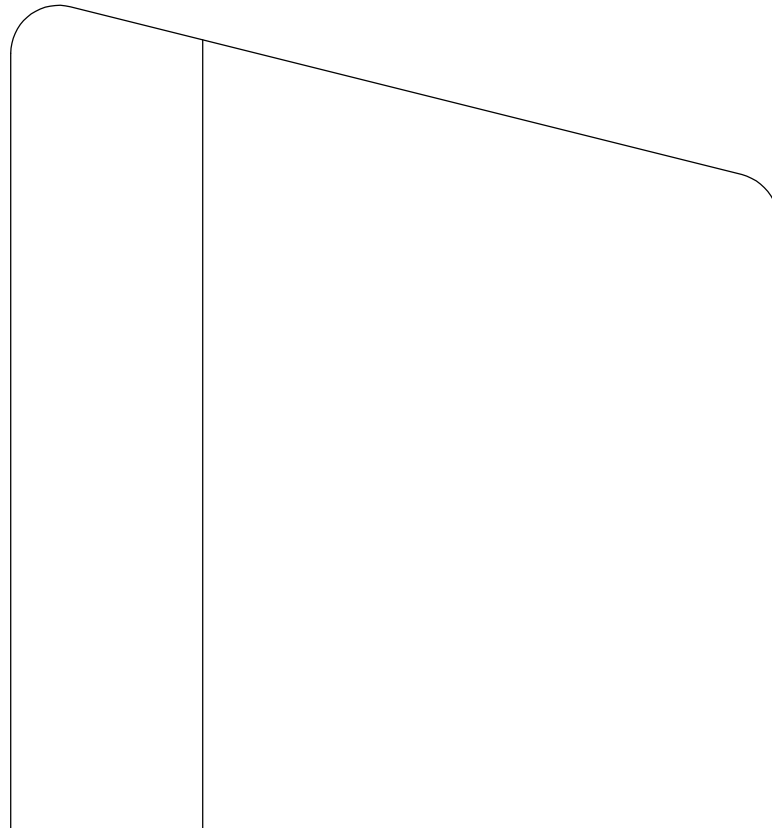
- 182 sq in

- 30 1/2"

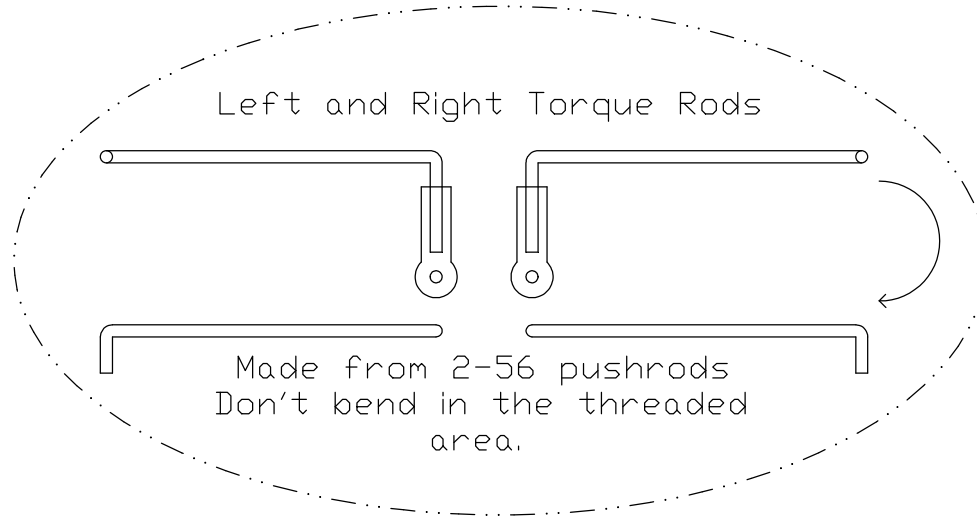
"



# as Not Ugly! .049-.06

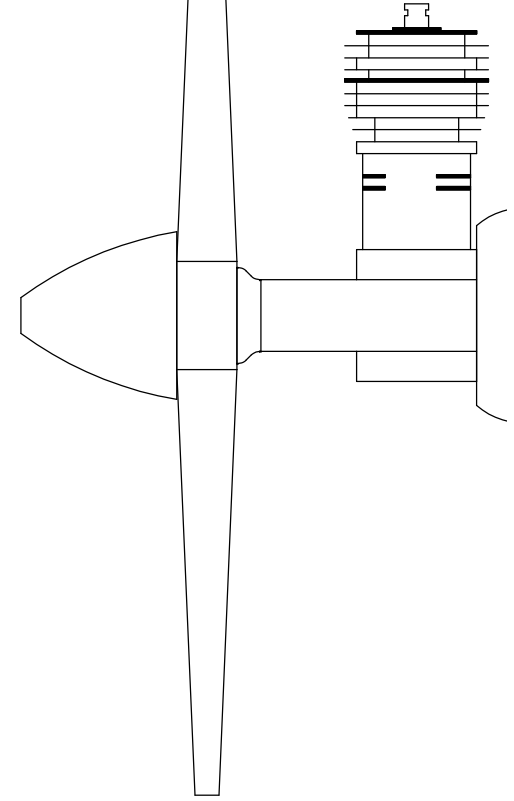


R2 C1

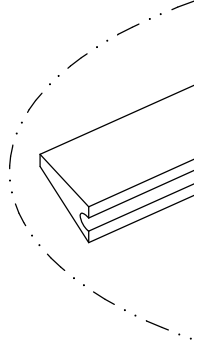


Left and Right Torque Rods

Made from 2-56 pushrods  
Don't bend in the threaded  
area.



1/16x1/2 Balsa Strip k

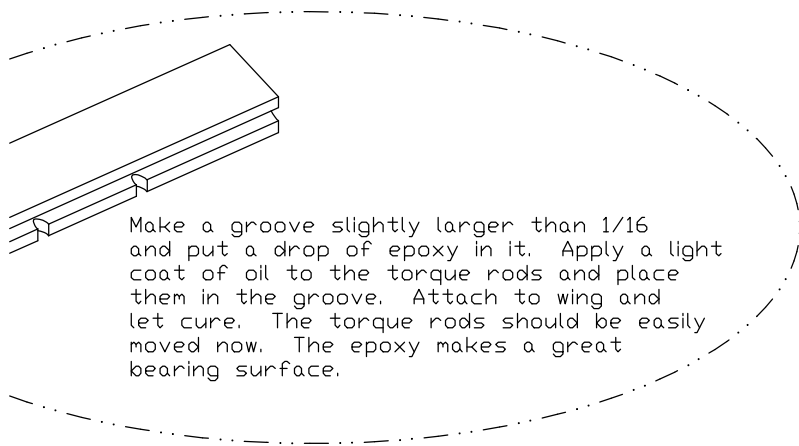




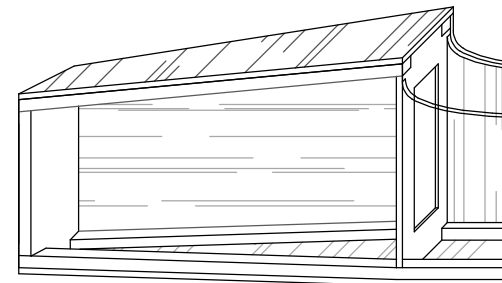
cutted to the TE

1/8x1/2 Balsa Trailing Edge

1/16 Ply Reinforcem  
(represented by c

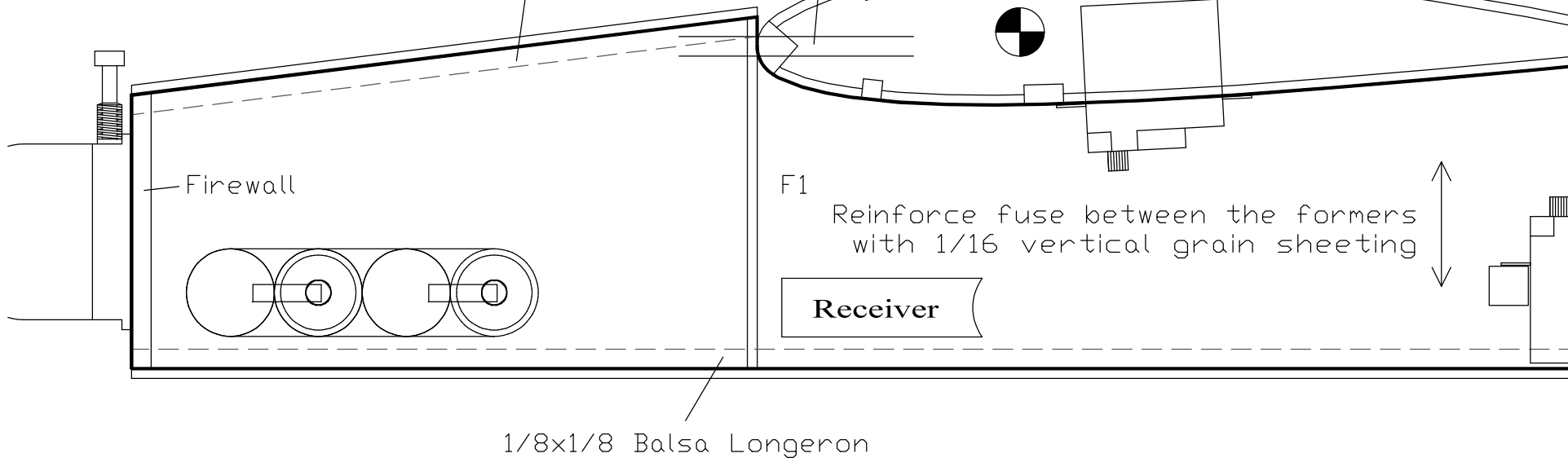


Make a groove slightly larger than 1/16 and put a drop of epoxy in it. Apply a light coat of oil to the torque rods and place them in the groove. Attach to wing and let cure. The torque rods should be easily moved now. The epoxy makes a great bearing surface.



1/8 Hardwood Dowel

1/8x1/8 Balsa Longeron



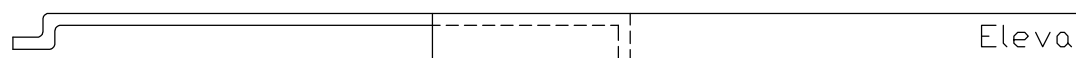
Firewall

F1

Reinforce fuse between the formers with 1/16 vertical grain sheeting

Receiver

1/8x1/8 Balsa Longeron



Eleva-

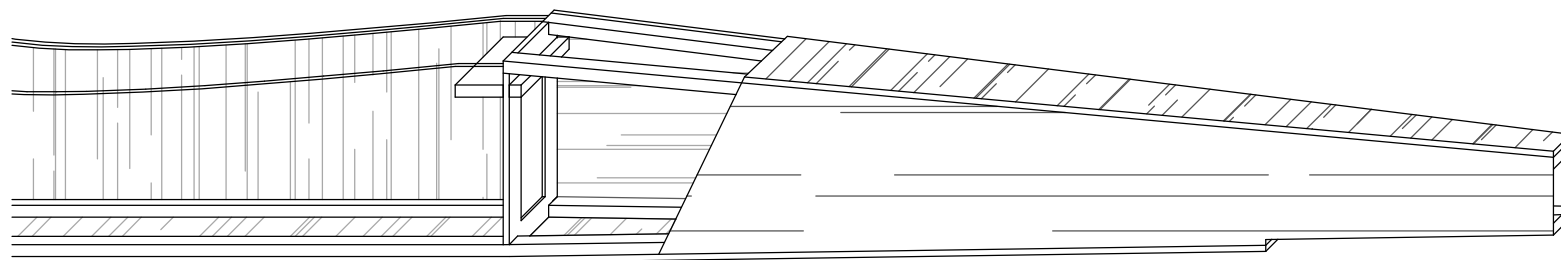
1/16 Balsa Fuselage Sides



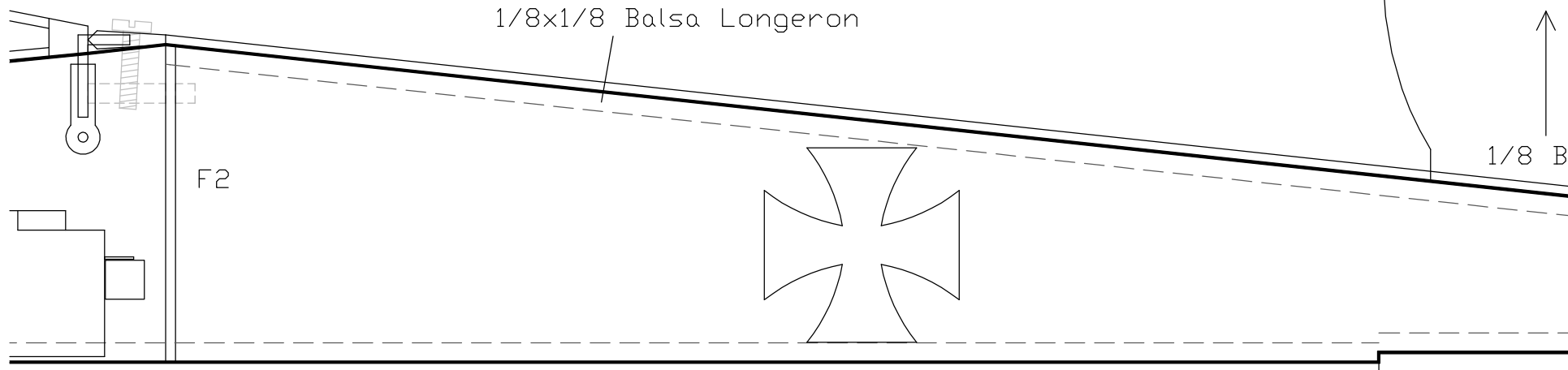


ent Plate  
otted line>

/  
1/4x1/4 Balsa Stick for TE

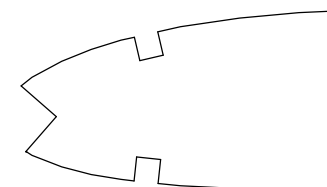
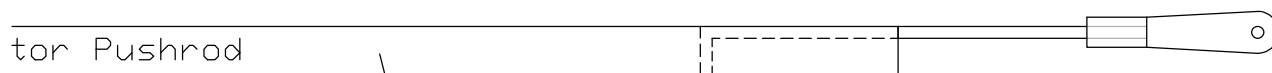


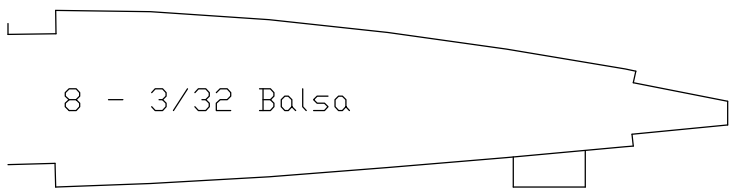
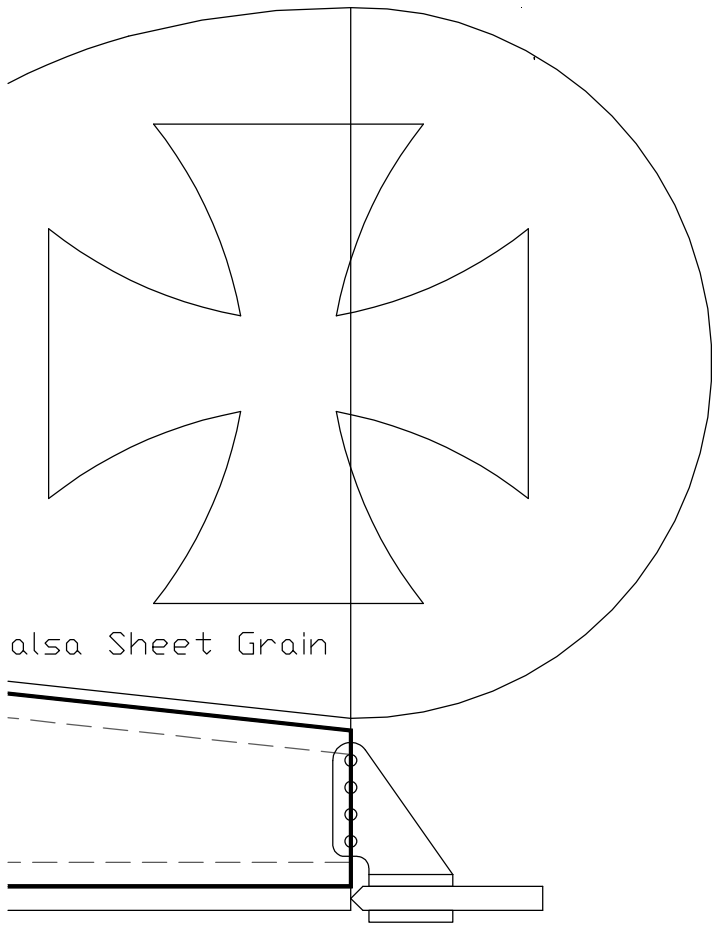
1/8x1/8 Balsa Longerons



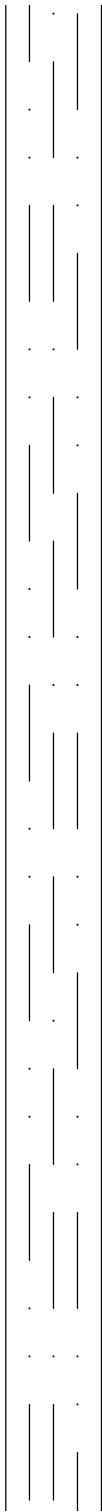
tor Pushrod

1/4 Square Balsa and 2-56 pushrods

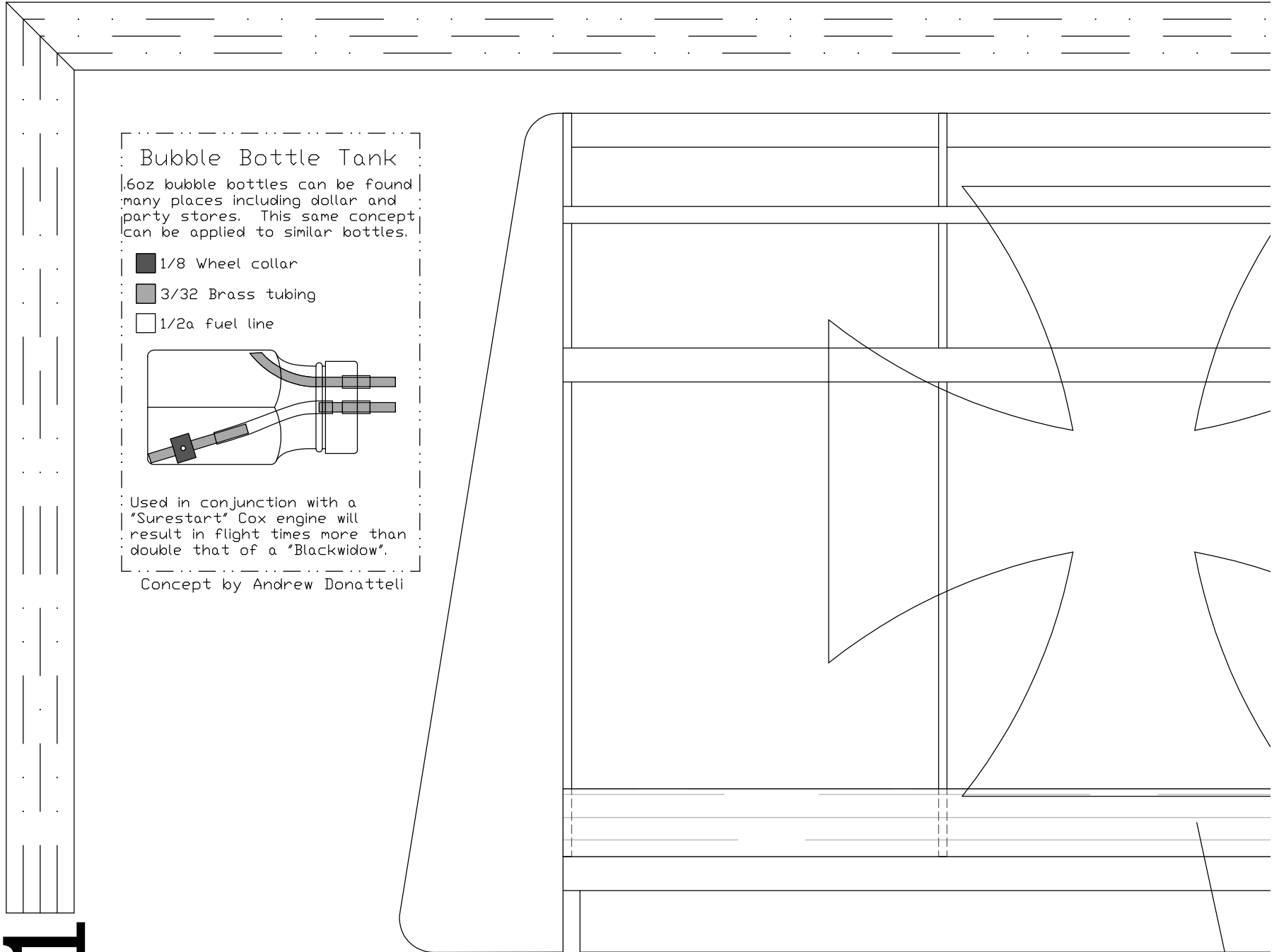




R2 C4



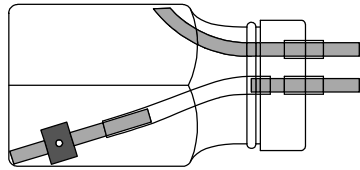




### Bubble Bottle Tank

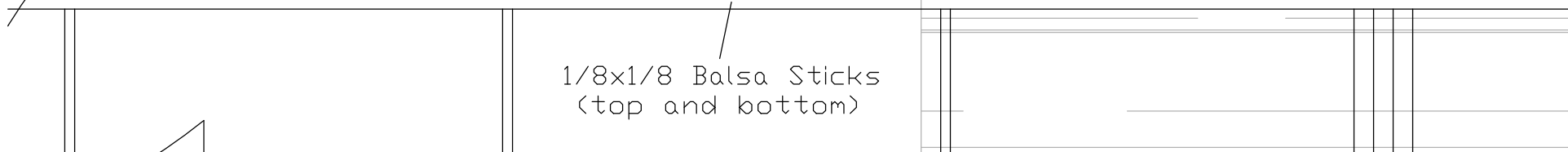
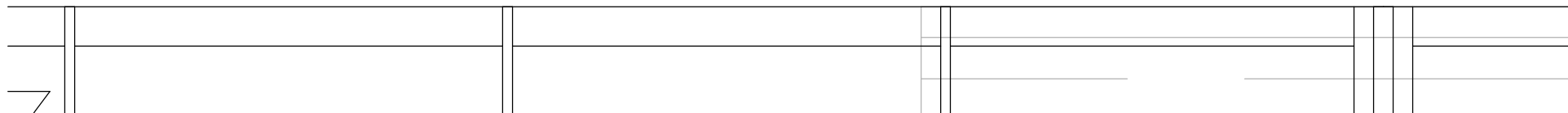
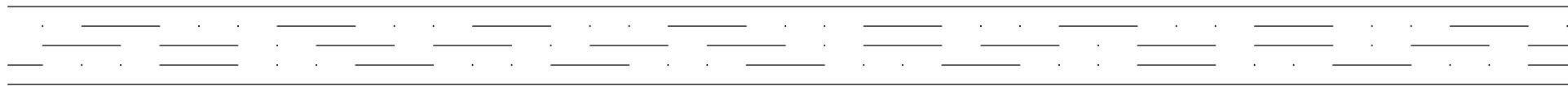
.6oz bubble bottles can be found in many places including dollar and party stores. This same concept can be applied to similar bottles.

- 1/8 Wheel collar
- 3/32 Brass tubing
- 1/2a fuel line

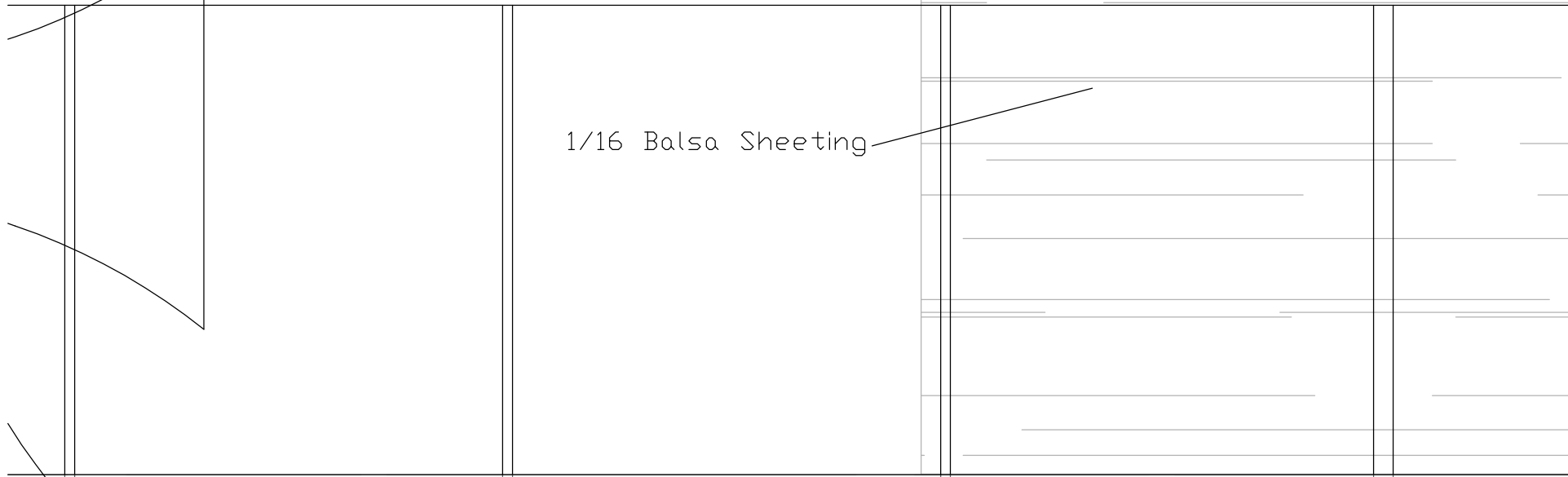


Used in conjunction with a "Surestart" Cox engine will result in flight times more than double that of a "Blackwidow".

Concept by Andrew Donatteli

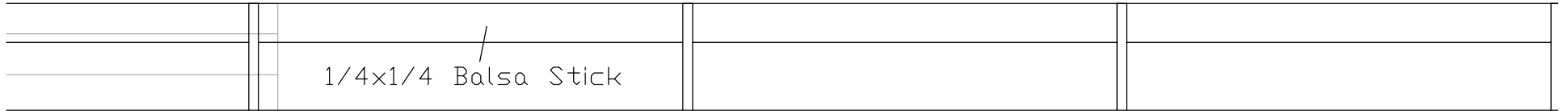
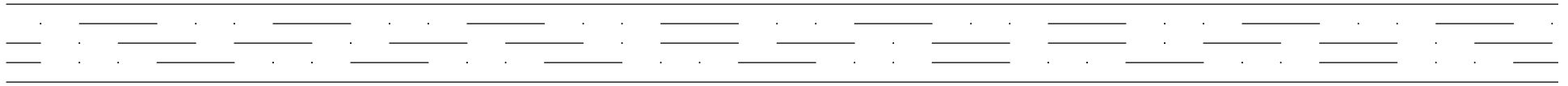


1/8x1/8 Balsa Sticks  
(top and bottom)

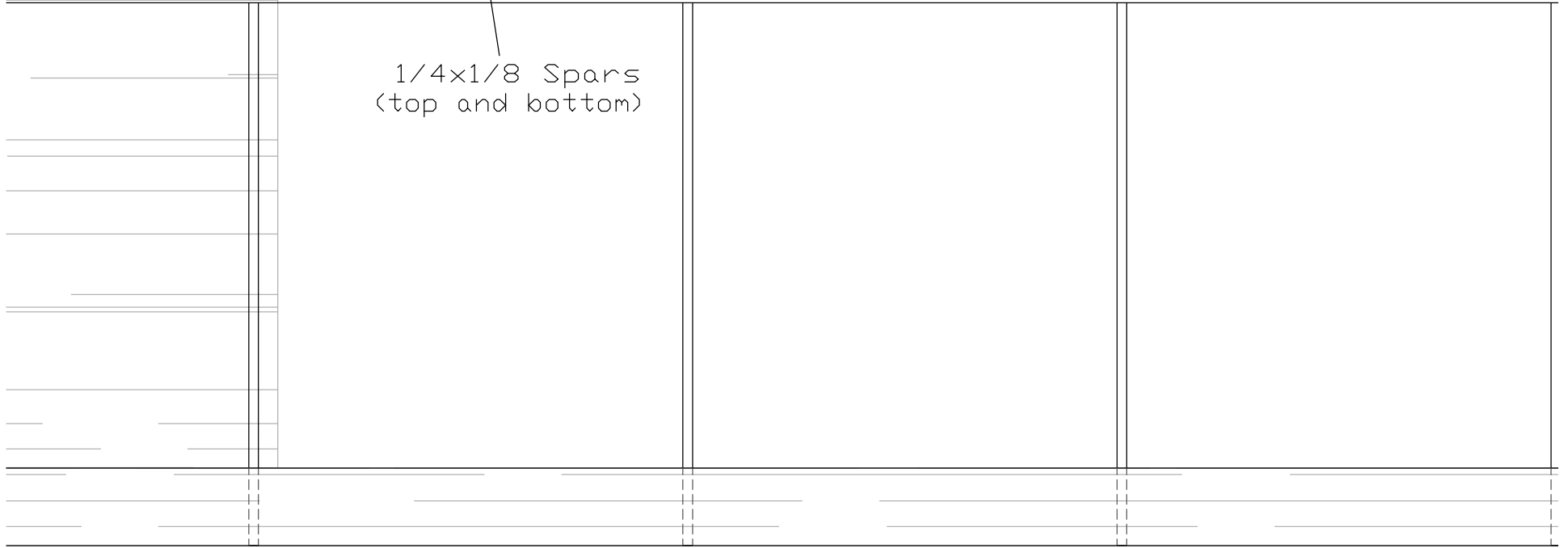


1/16 Balsa Sheeting



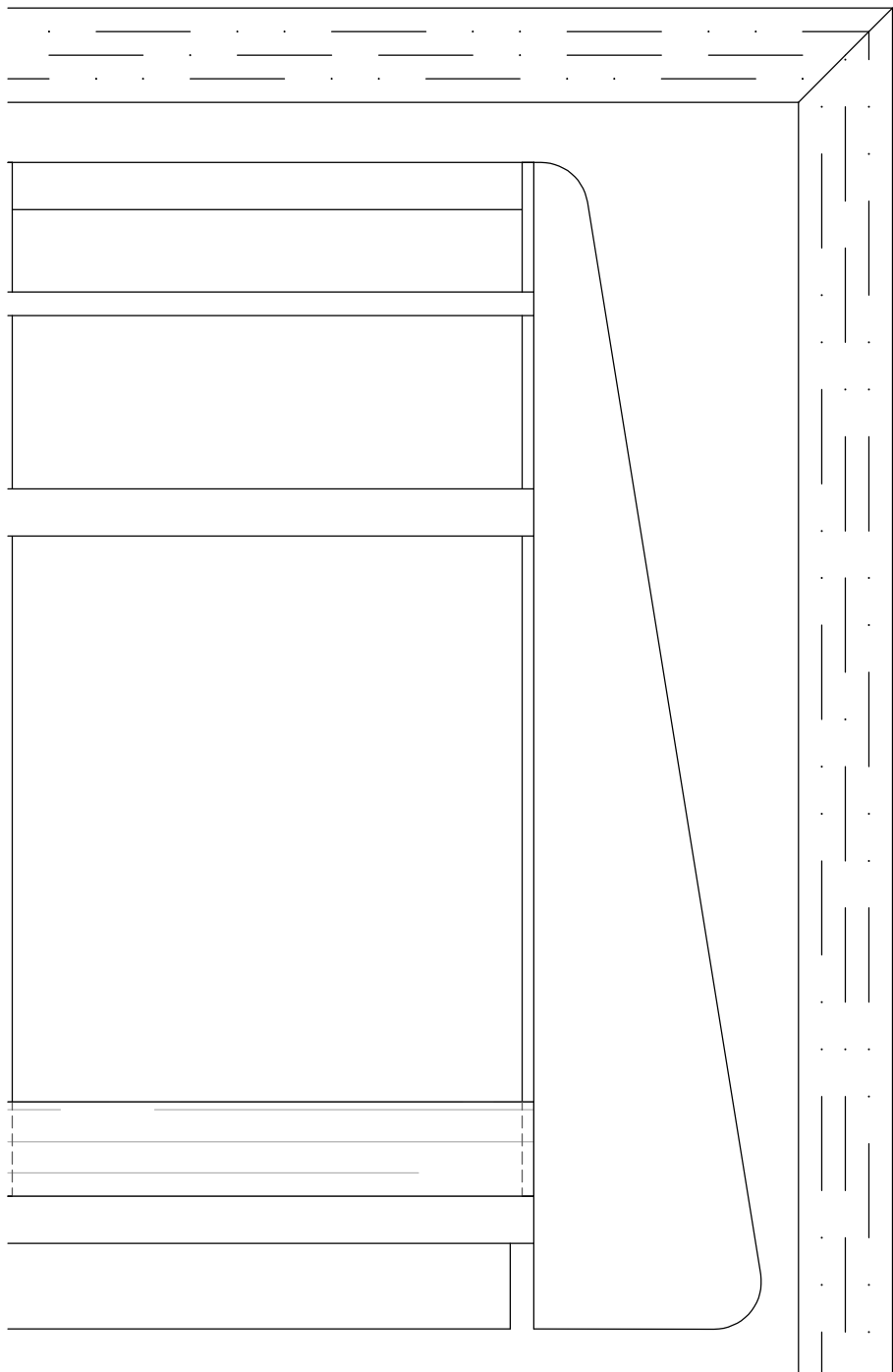


1/4x1/4 Balsa Stick



1/4x1/8 Spars  
(top and bottom)





R3 C4