WING FILLET

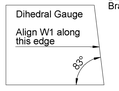
Use the templates to the right to make the fillet parts:

1. Wing Platform--cut from 1/16" balsa or 1/32" ply.
   1. Fit Platform to upper wing surface
   2. Glue the Platform to the bottom edge of the Wing Saddle WS.
2. Bottom--cut from 1/8" balsa
   1. Epoxy to back edge of Wing Platform and fuselage.
3. Side Panels--cut from 1/16" balsa or thick cardstock.
   1. Wet each Panel and gently shape to fit.
   2. Work from the Rear to the Front.
   3. Glue to Wing Platform and fuselage.
   4. Add bracing from scrap balsa as needed.

DIHEDRAL

The dihedral is set by installing center wing rib W1 at the angle provided by the Dihedral Gauge.

Completed wing assembly should measure 3.5"/88mm from board to bottom of W10 when wings are level and supported by W1.



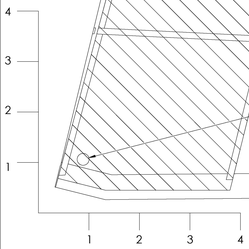
Dihedral Brace

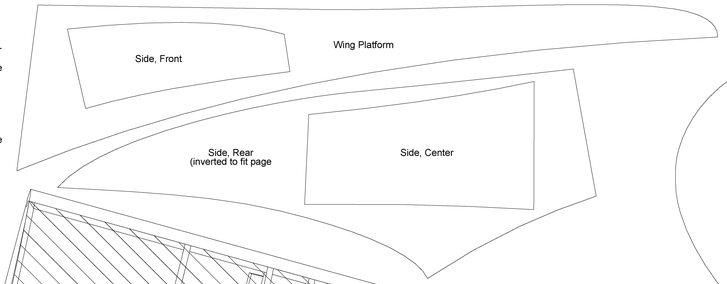
Sheet center section and leading edge with 1/16" balsa top and bottom

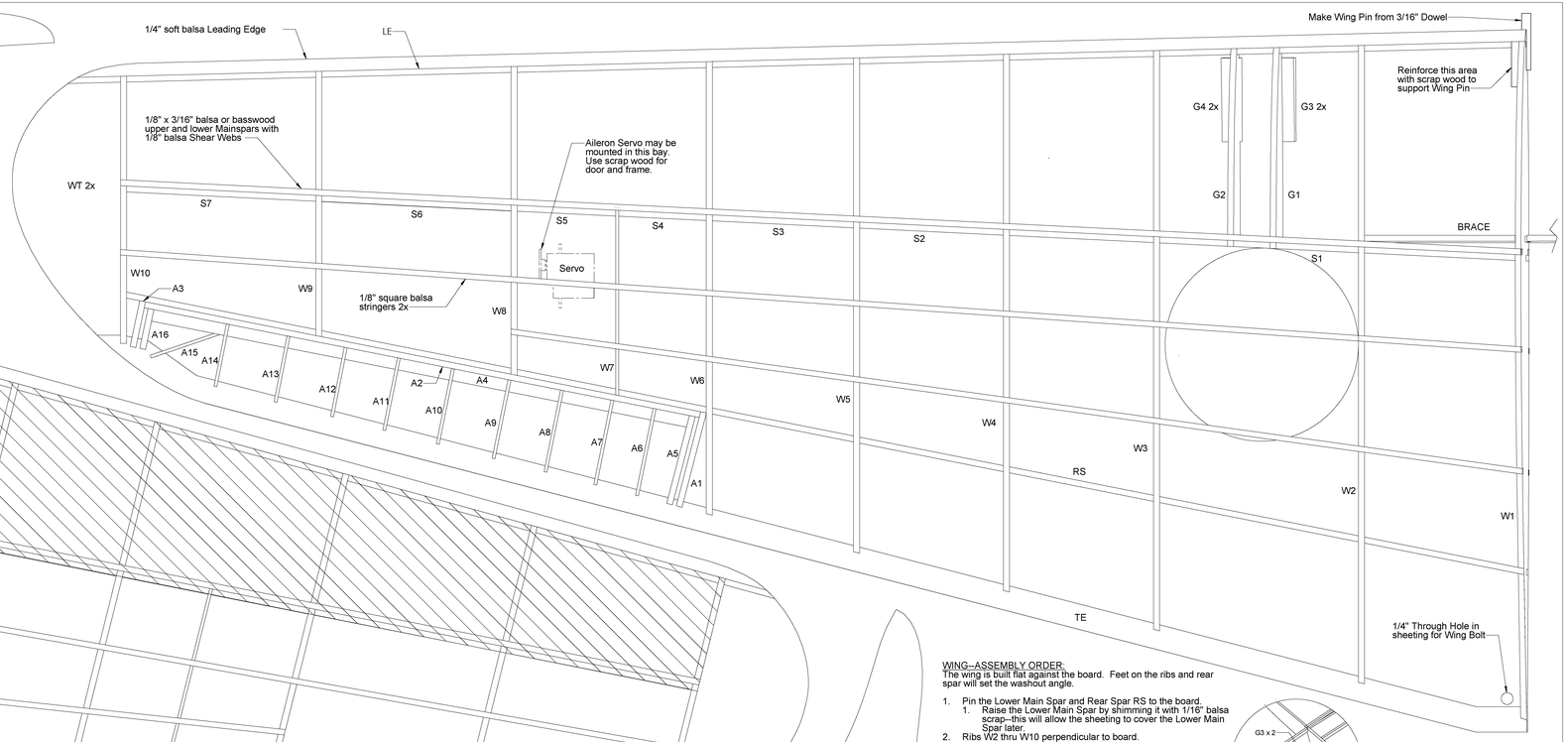
Extend sheeting to this area on underside only with 1/16" balsa to create wheel opening

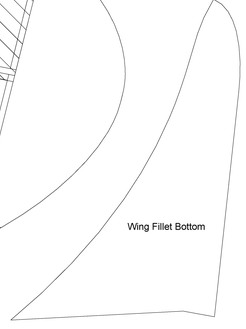
Landing gear opening in bottom sheeting

1/4" Through Hole in sheeting for Wing Bolt





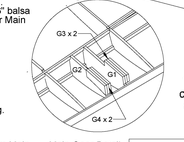




WING--ASSEMBLY ORDER:

The wing is built flat against the board. Feet on the ribs and rear spar will set the washout angle.

1. Pin the Lower Main Spar and Rear Spar RS to the board.
   1. Raise the Lower Main Spar by shimming it with 1/16" balsa scrap--this will allow the sheeting to cover the Lower Main Spar later.
2. Ribs W2 thru W10 perpendicular to board.
3. Rib W1--set angle with Dihedral Gauge.
4. Trailing Edge TE.
5. Upper Main Spar, and Shear Webs S1 thru S7.
6. Upper Stringers.
7. Aileron parts in numerical order.
   1. Glue A2 to RS only!
   2. A2 is a doubler to RS.
8. Wing Tip WT--stack two together and then attach to wing.
9. Unpin assembly from board and epoxy S2 into place.
10. Retract Ribs G1 and G2--epoxy to S1 and Main Spars.
11. Leading Edge LE.
12. Upper Sheeting--return assembly to board and sheet from Main Spar to LE to lock in the washout.
13. Lower Sheeting--unpin assembly and remove feet first.
14. Retract Bosses--stack two G3's and two G4's together.
    1. Epoxy each assembly firmly to Retract Rib and wing sheeting.
15. 1/4" Soft balsa leading edge.
16. Join wings with ply Dihedral Brace.
17. Install a wing pin from 3/16" dowel where marked on ribs W1.



Main Gear Detail

INFIELD ENGINEERING℠ by Paul Kohlmann

Title: 60" Curtiss P-40C Tomahawk **Plans No. 1143**

Laser cut kit with plastics available from Manzano Laser Works

www.manzanolaser.com

Size	Dwg. No.	Rev.
X	Curtiss P40C.drw	A

Scale: 1:1 | Weight: 4.5-5.5lbs | Sheet 2 of 4