

**WING FILLET**

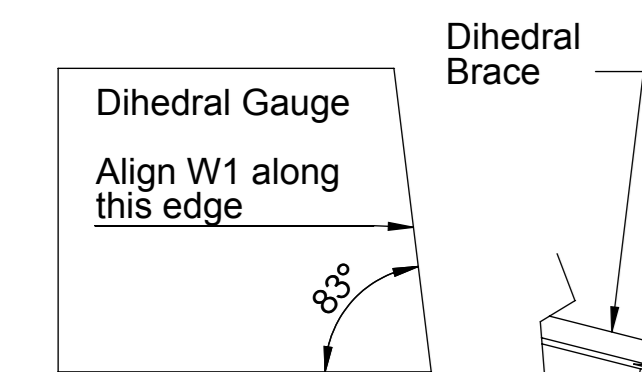
Use the templates to the right to make the fillet parts:

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

**DIHEDRAL**

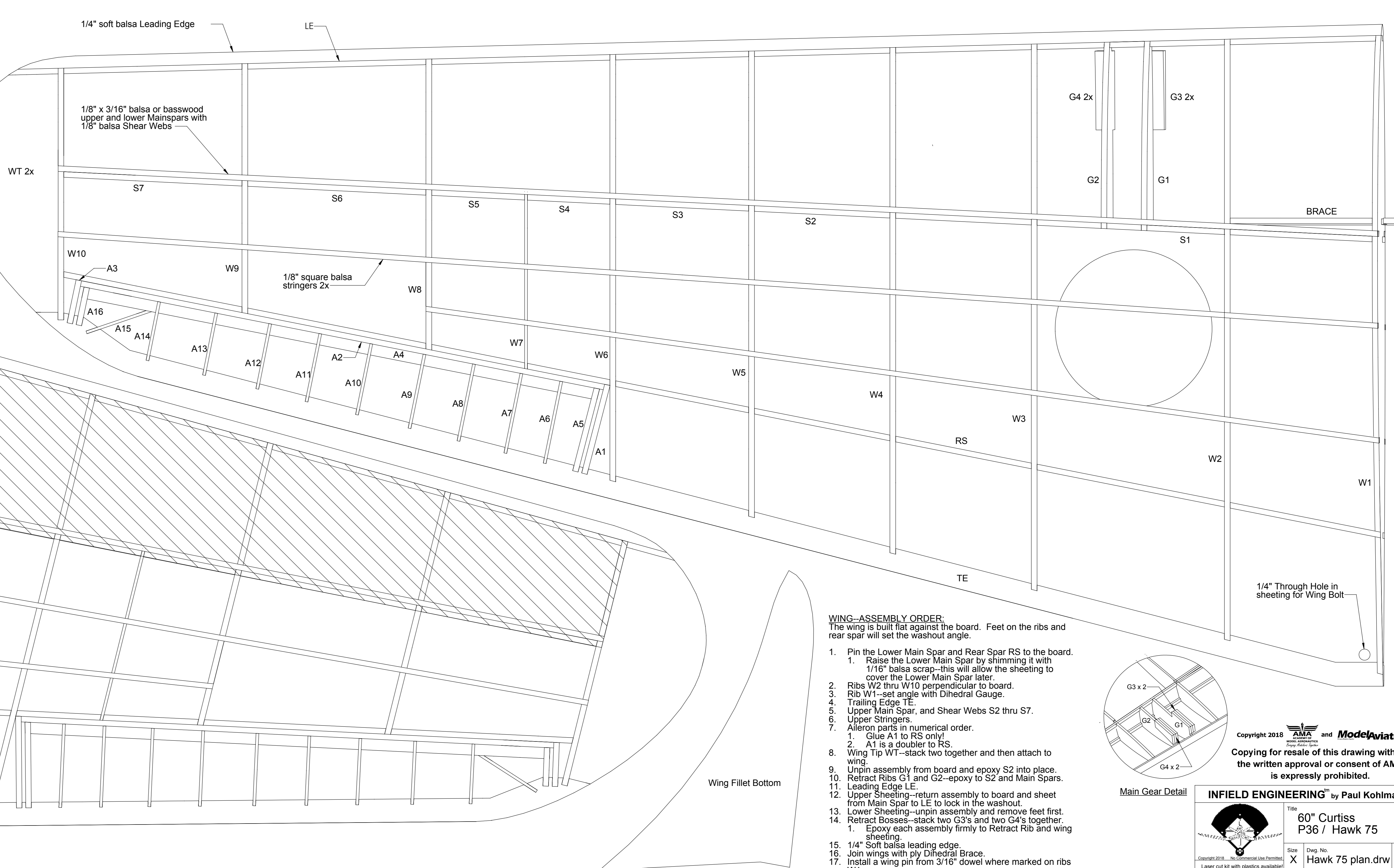
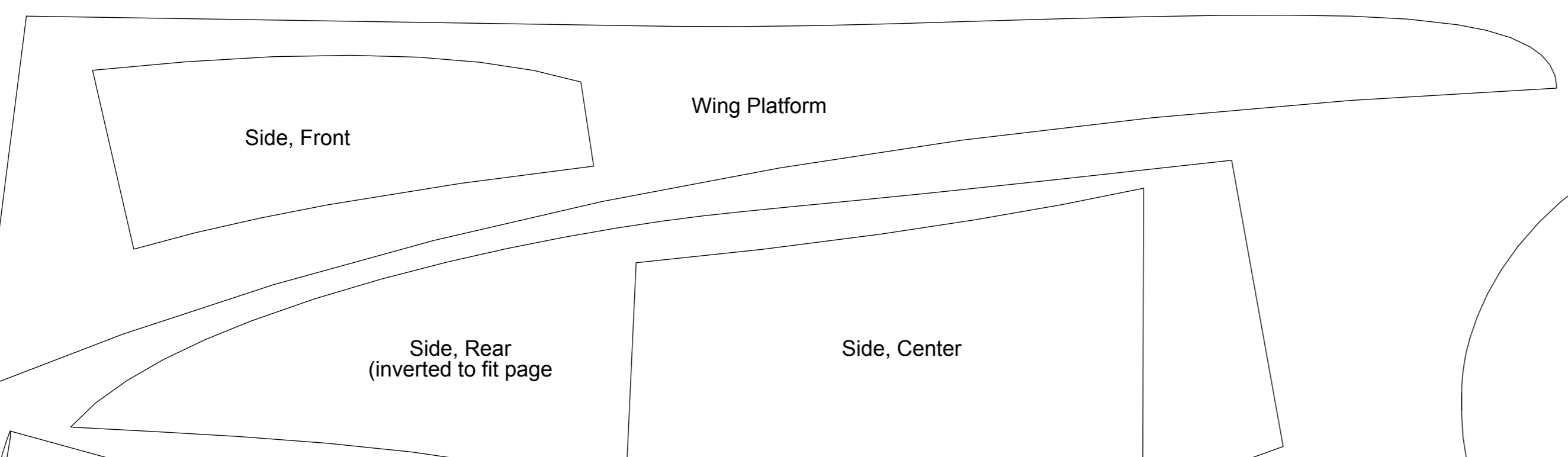
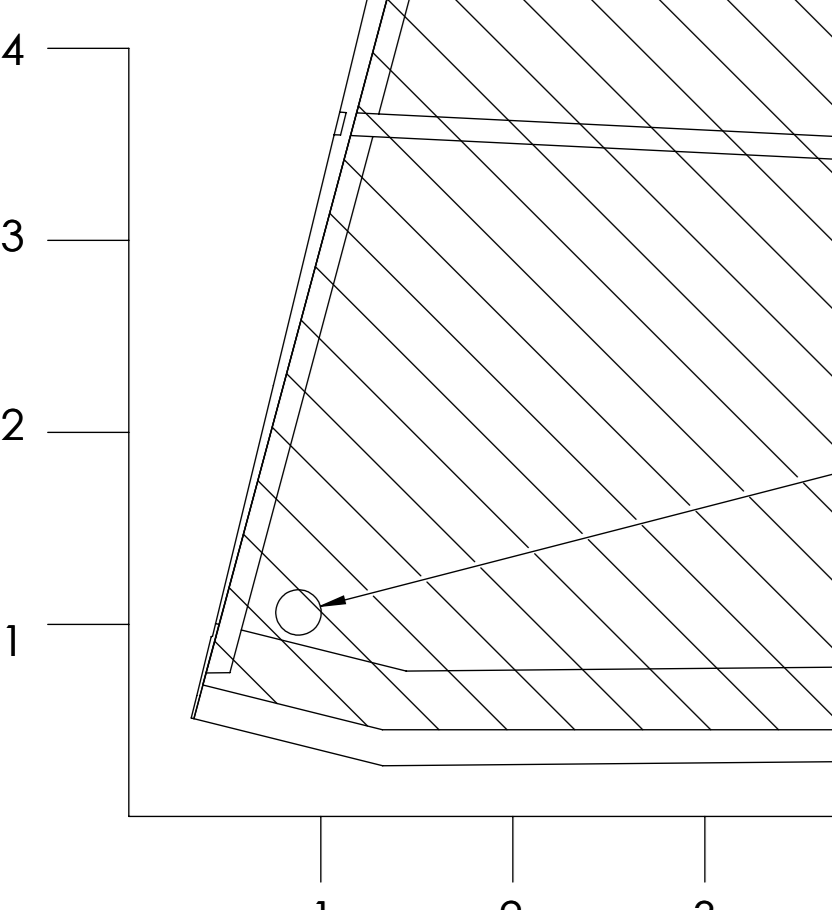
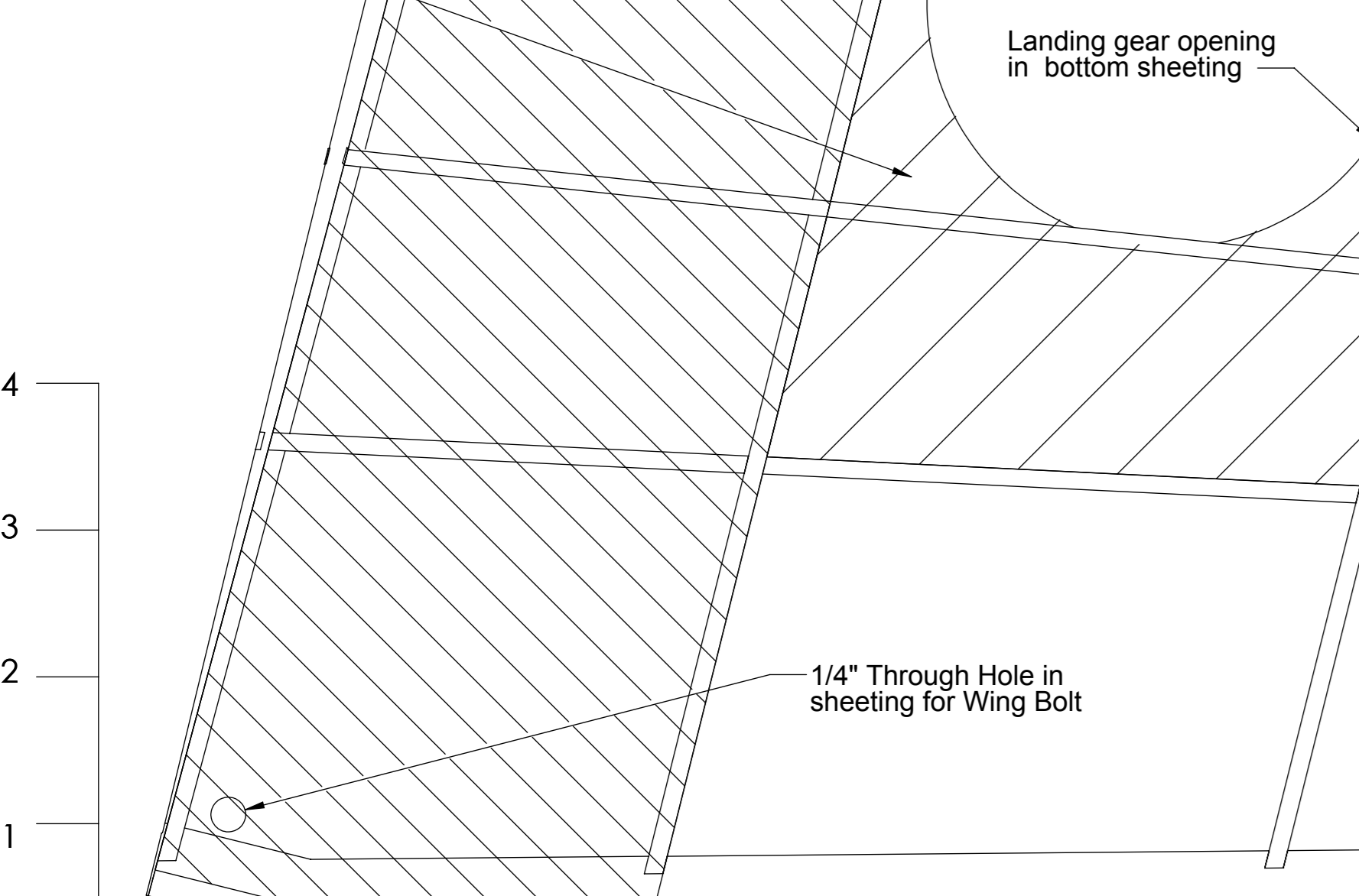
The dihedral is set by installing center wing rib W1 at the angle provided by the Dihedral Gauge.

Completed wing assembly should measure 3,57/88mm from board to bottom of W10 when wings are level and supported by W1.



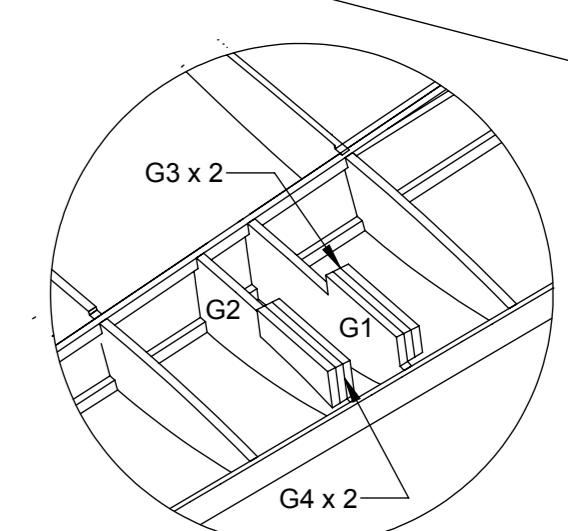
Sheet center section and leading edge with 1/16" balsa top and bottom

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



**WING-ASSEMBLY ORDER:**  
The wing is built flat against the board. Feet on the ribs and rear spar will set the washout angle.

- Pin the Lower Main Spar and Rear Spar RS to the board.
  - 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.
- Ribs W2 thru W10 perpendicular to board.
- Rib W1--set angle with Dihedral Gauge.
- Trailing Edge TE.
- Upper Main Spar, and Shear Webs S2 thru S7.
- Upper Stringers.
- Aileron parts in numerical order.
  - Glue A1 to RS only!
  - A1 is a doubler to RS.
- Wing Tip W1--stack two together and then attach to wing.
- Unpin assembly from board and epoxy S2 into place.
- Retract Ribs G1 and G2--epoxy to S2 and Main Spars.
- Leading Edge LE.
- Upper Sheeting--return assembly to board and sheet from Main Spar to LE to lock in the washout.
- Lower Sheeting--unpin assembly and remove feet first.
- Retract Bosses--stack two G3's and two G4's together.
  - Epoxy each assembly firmly to Retract Rib and wing sheeting.
- 1/4" Soft balsa leading edge.
- Join wings with ply Dihedral Brace.
- Install a wing pin from 3/16" dowel where marked on ribs W1.



Main Gear Detail

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<b>INFIELD ENGINEERING™</b> by Paul Kohlmann		
Title <b>60" Curtiss P36 / Hawk 75</b>		
Size <b>X</b>	Dwg No. <b>Hawk 75 plan.drw</b>	Rev <b>A</b>
Scale: 1:1    Weight: 60oz    Sheet 2 of 4		