

WING FILLET

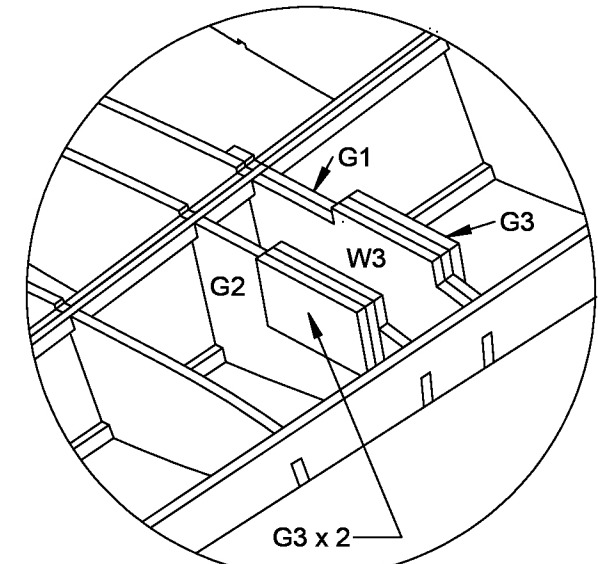
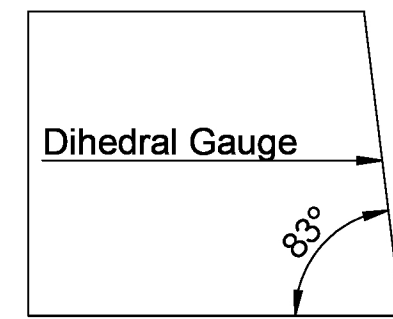
Use the templates below to make the fillet parts:

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.

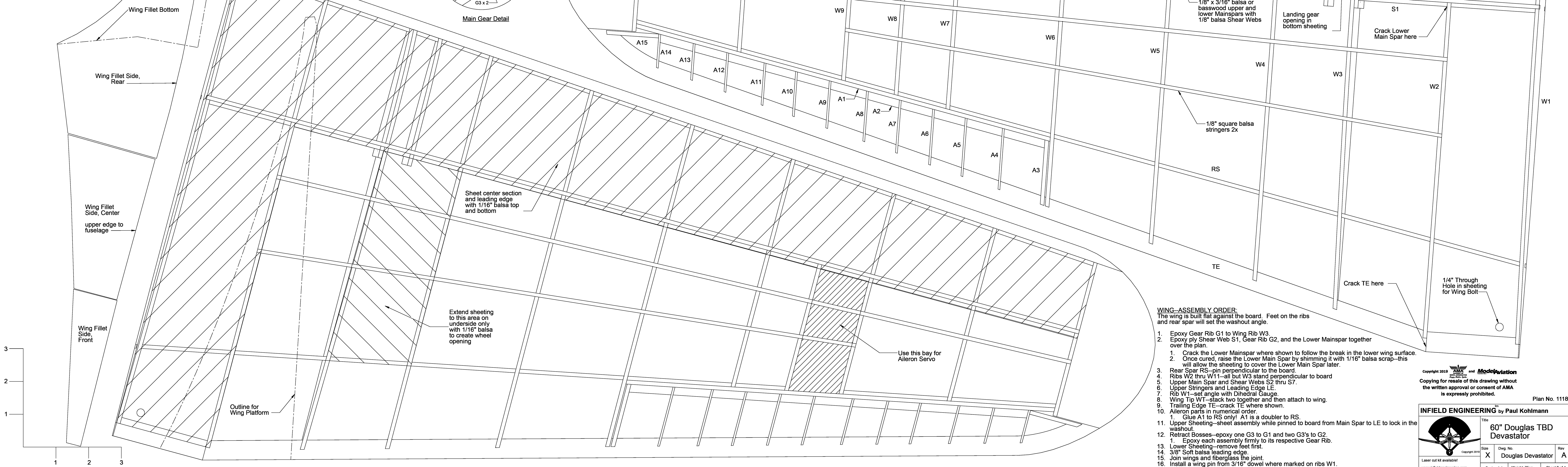
DIHEDRAL

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

Completed wing assembly should measure 1.9" / 48mm from board to bottom of W10 when wings are level and supported by sheeted W1.



Main Gear Detail



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

1. Epoxy Gear Rib G1 to Wing Rib W3.
2. Epoxy ply Shear Web S1, Gear Rib G2, and the Lower Mainspar together over the plan.
 1. Crack the Lower Mainspar where shown to follow the break in the lower wing surface.
 2. Once cured, 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.
3. Rear Spar RS—pin perpendicular to the board.
4. Ribs W2 thru W11—all but W3 stand perpendicular to board
5. Upper Main Spar and Shear Webs S2 thru S7.
6. Upper Stringers and Leading Edge LE.
7. Rib W1—set angle with Dihedral Gauge.
8. Wing Tip WT—stack two together and then attach to wing.
9. Trailing Edge TE—crack TE where shown.
10. Aileron parts in numerical order.
 1. Glue A1 to RS only! A1 is a doubler to RS.
11. Upper Sheeting—sheet assembly while pinned to board from Main Spar to LE to lock in the washout.
12. Retract Bosses—epoxy one G3 to G1 and two G3's to G2.
 1. Epoxy each assembly firmly to its respective Gear Rib.
13. Lower Sheeting—remove feet first.
14. 3/8" Soft balsa leading edge.
15. Join wings and fiberglass the joint.
16. Install a wing pin from 3/16" dowel where marked on ribs W1.

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Plan No. 1118

INFIELD ENGINEERING by Paul Kohlmann

	Title		Rev
	60" Douglas TBD Devastator		
Size	Dwg. No.	Rev	
X	Douglas Devastator	A	
Scale: 1:1		Weight: 75oz	Sheet 2 of 4