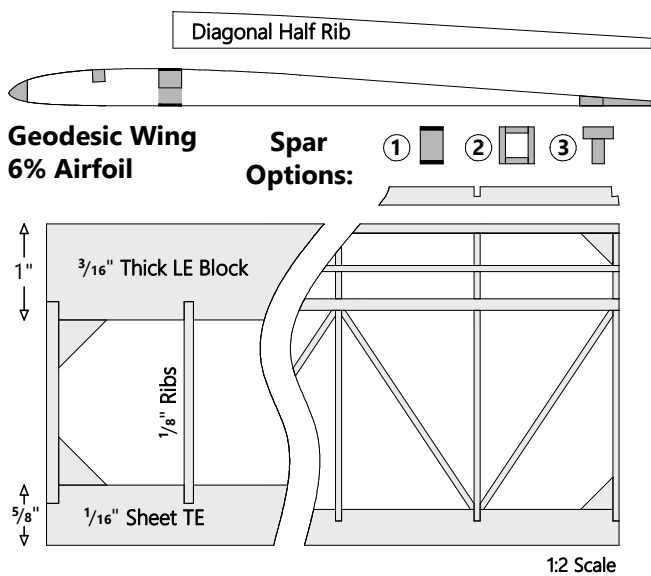
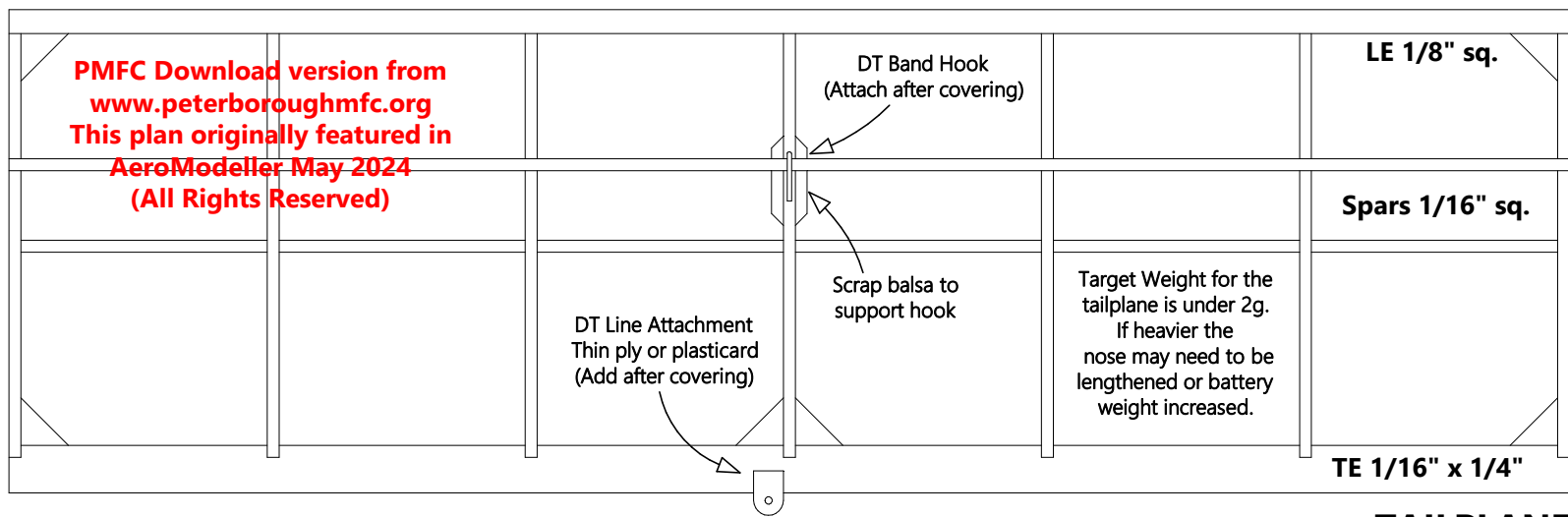


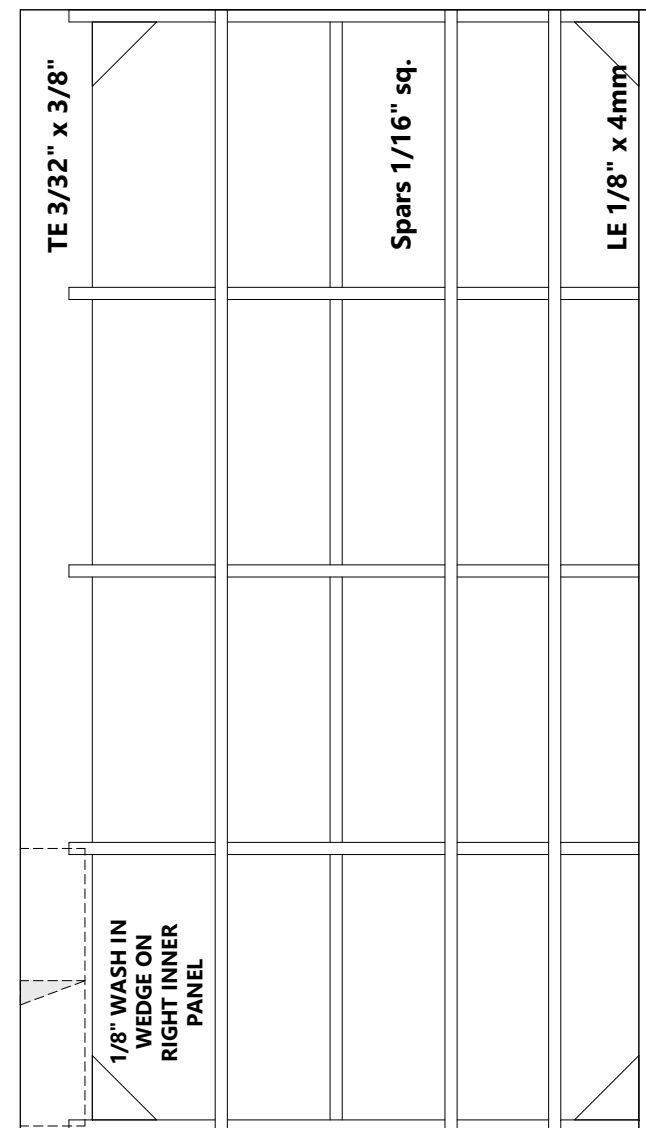
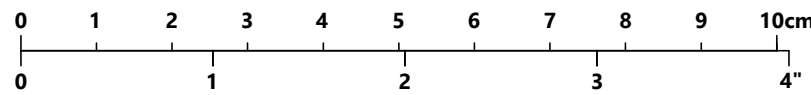
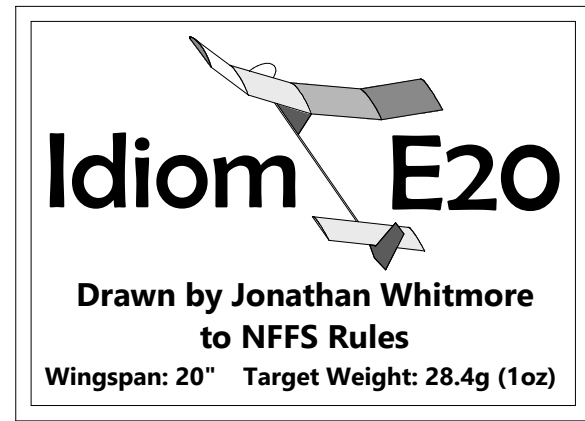
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 AeroModeller May 2024
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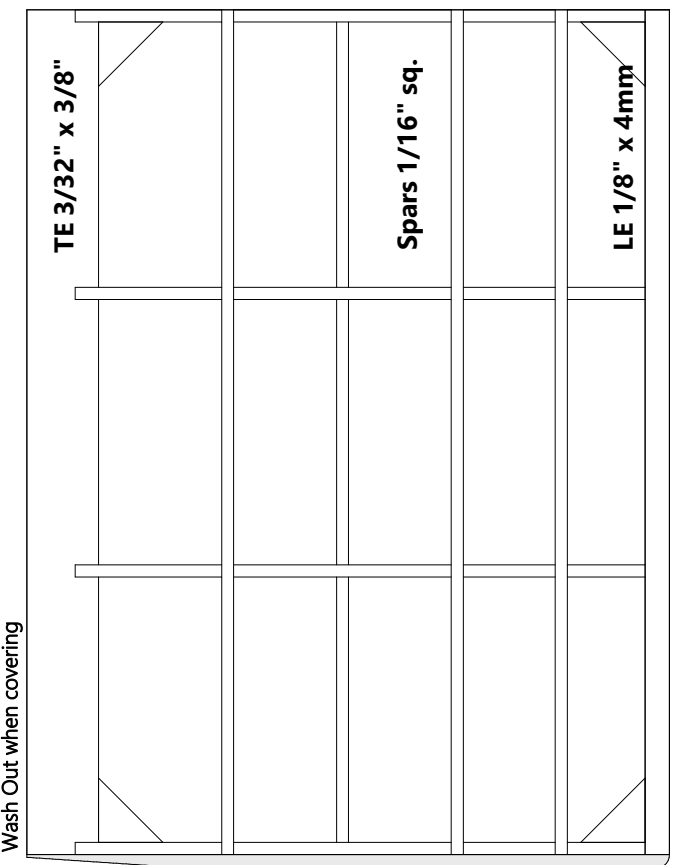
ALTERNATIVE WING CONSTRUCTION IDEAS

Semi-Solid Balsa (left) suits thin CLG-style airfoils. A wing blank is made up of LE block and wider TE, notched for 1/8" ribs. Airfoil shape is sanded into this. Thin Built-Up wings (right) may need geodesic ribs for stiffness and thinner spars must be engineered for strength. Spars options include: 1. Thin carbon caps on a light balsa web. 2. Box spar from 1/32" balsa. 3. T or I Beam spar from 1/16" balsa. Spars must be notched to allow for ribs. Ø3mm carbon tube spars could be used but must be very light.

1/16" TAILPLANE RIBS (7 REQ.) TAILPLANE



INNER WING PANEL



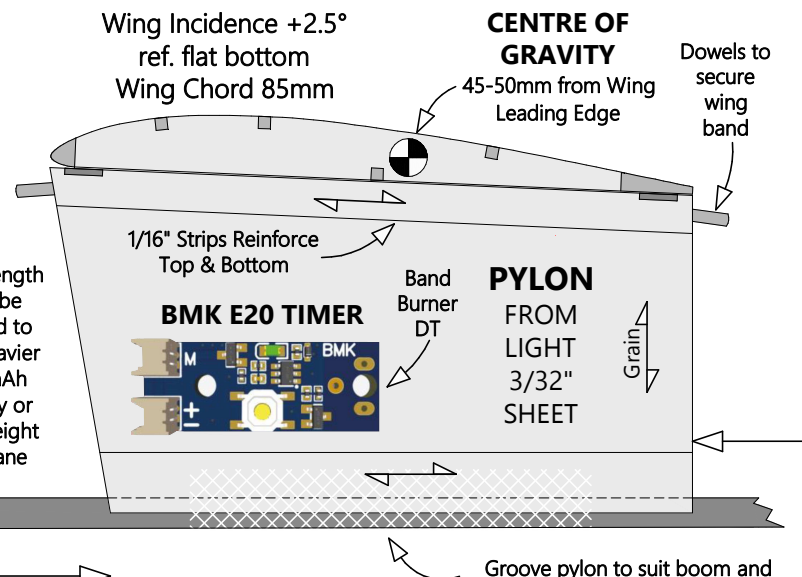
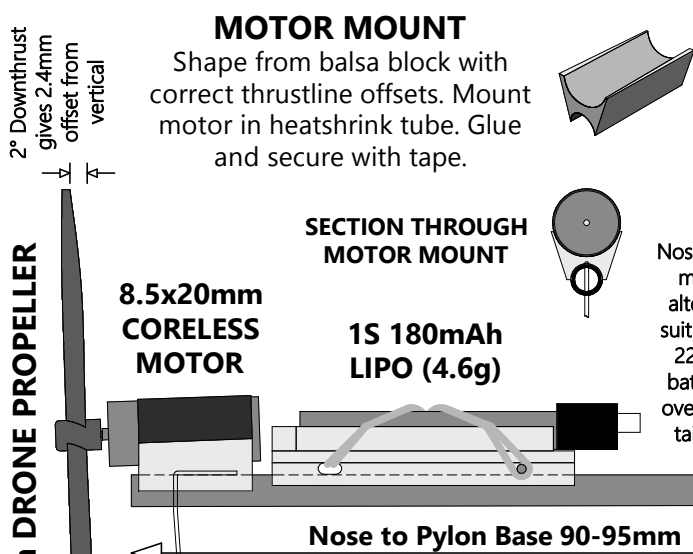
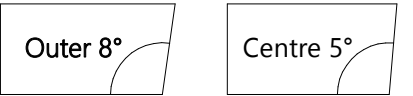
OUTER WING PANEL

Wing Target Weight: Under 8g

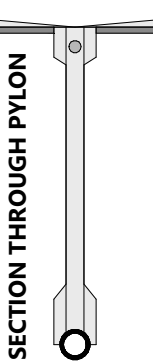
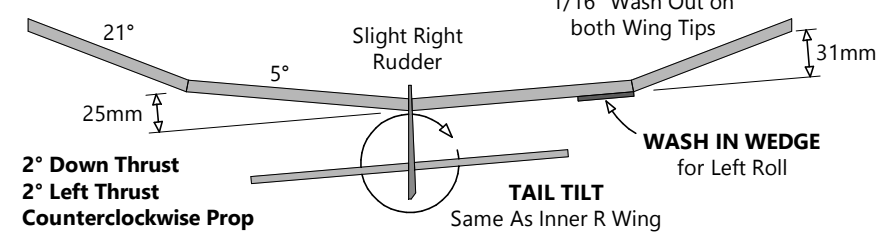
1/16" WING RIBS (18 REQ.)

GAUGES FOR RIB ANGLES AT DIHEDRAL BREAKS

Make Left & Right-hand wing panels with angled ribs at the dihedral breaks



TRIM SETTINGS - REAR VIEW

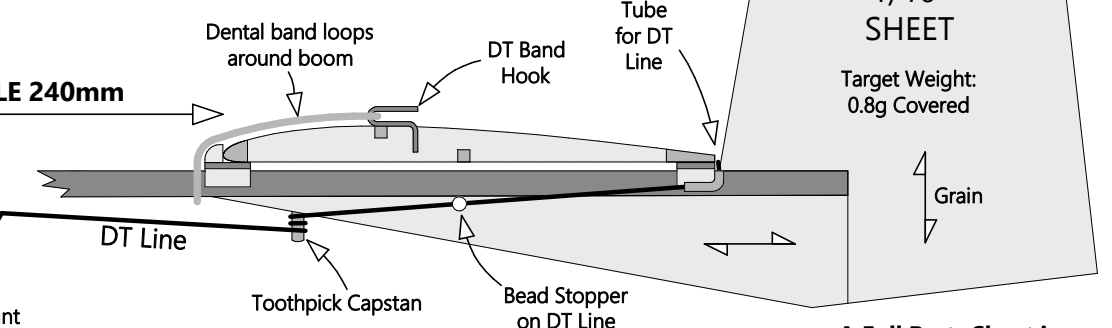


Wing TE to Tail LE 240mm

Nylon Washer attachment point for DT Loom Band

DeThermalizer Set Up:

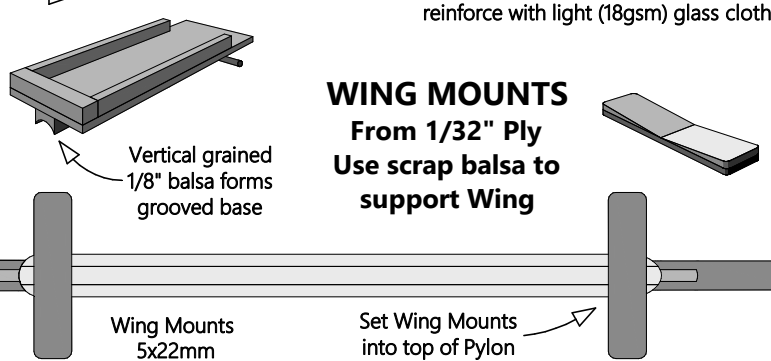
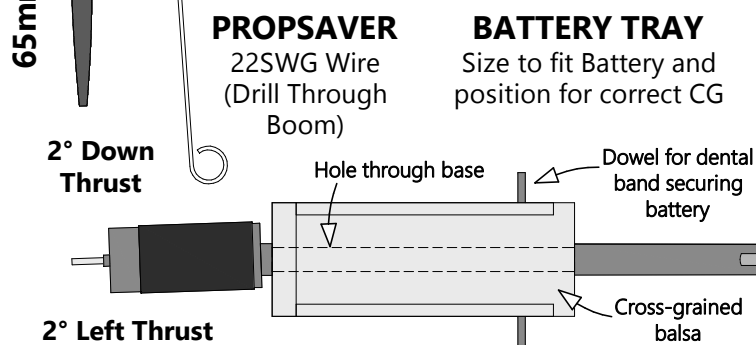
- Tailplane pivots against forward mount
- Tip up activated by dental band
- Tail is held down at TE by DT line
- Line secured by wraps on capstan
- Bead stopper sets DT'd tail angle
- Loom band hooks on band burner



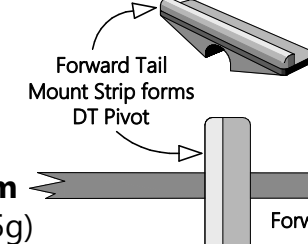
FIN FROM LIGHT 1/16" SHEET

Target Weight: 0.8g Covered

A Full Parts Sheet is available at www.peterboroughmfc.org



Carbon Tapered Boom
 Ø4.4mm x c.490mm (3.5g)



TAILPLANE MOUNTS From 1/32" Ply Support with scrap balsa Use 5° Left Tailplane Tilt

