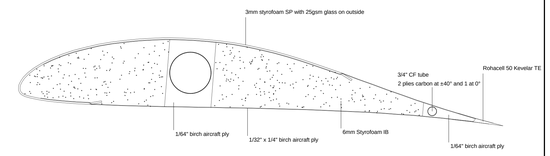
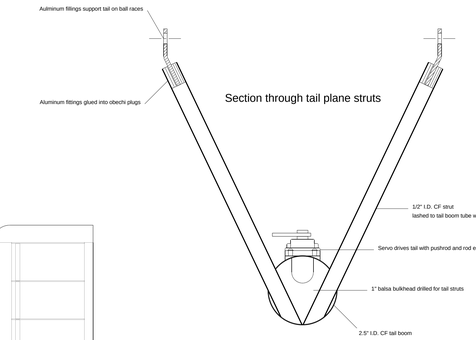
Designed and built by John McIntyre, Mark McIntyre and Nick Weston

Span: 29 m
Wing area: 25 m square
Aspect ratio: 32
Empty weight: 35 kg
Design speed: 8 m/s
Power requirement: 289 W
Wing airfoil: DAI1335
Stabiliser airfoil: FX-76-100-MP
Rudder airfoil: WF76-100-MP
Prop airfoil: E193
Prop diameter: 2.9 m
Prop speed: 180 rpm



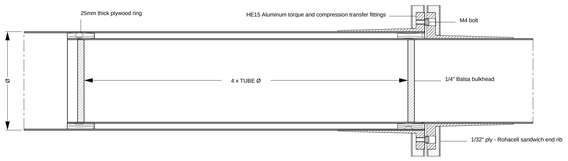
Wing Rib

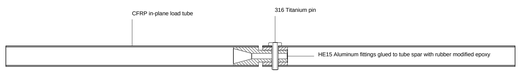
Tail Rib



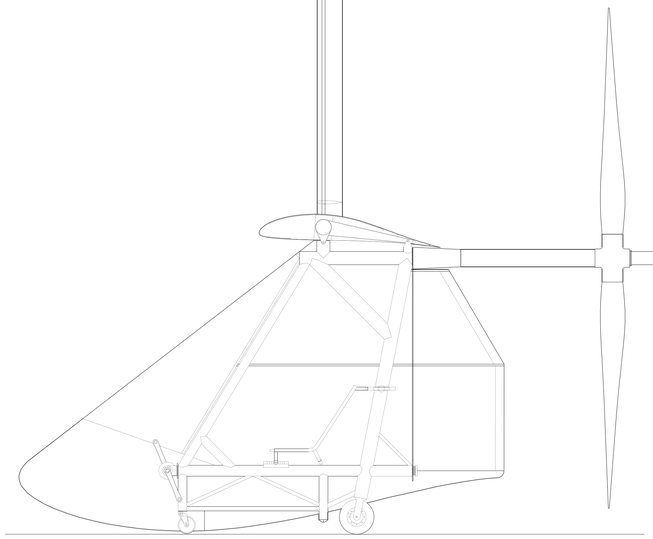
Section through tail plane struts

Wing Panel Joints

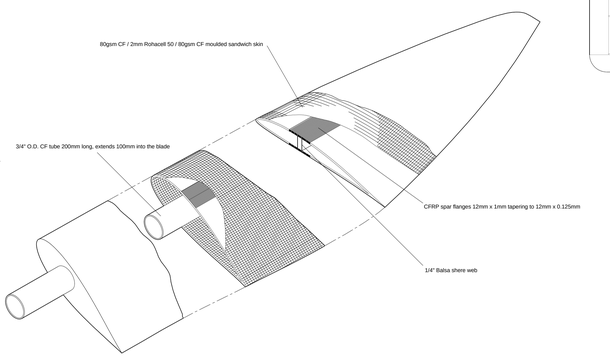


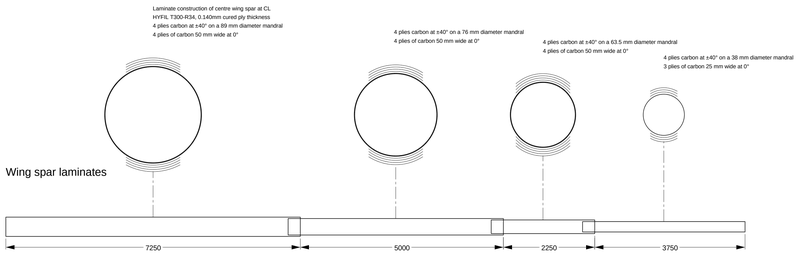


Sketch of Aluminum torque transfer fittings

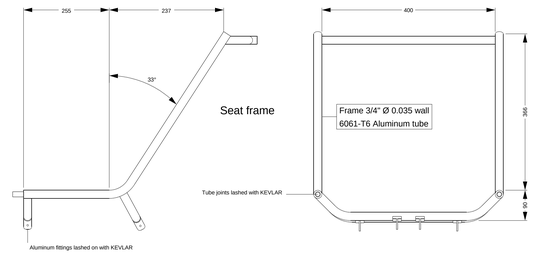


Side view showing internal structure. Scale: 1:12.5





Wing spar laminates



Seat frame

Airglow Human Powered Aircraft

Scale in m - 1:32

0.0 0.5 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0