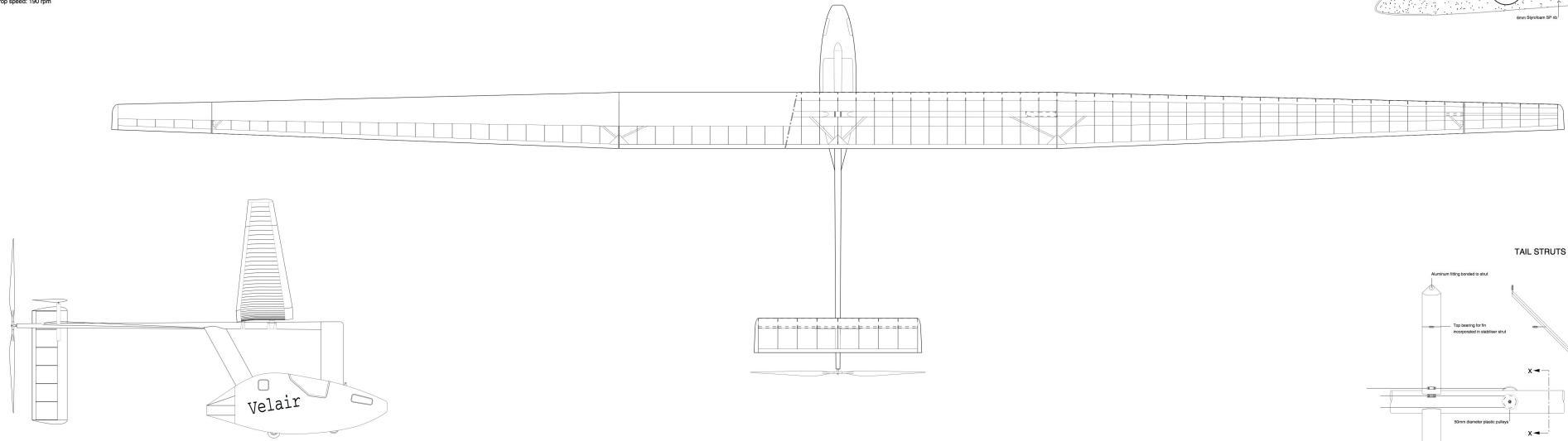
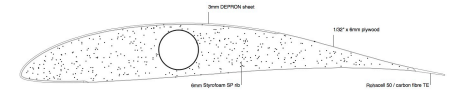


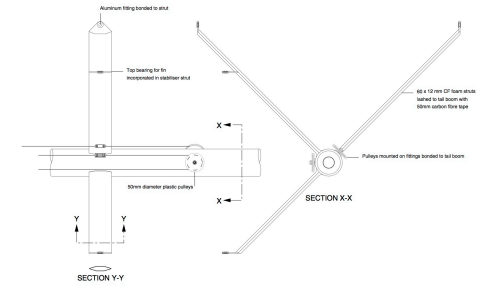
Designed and built by Peer Frank

span: 23.2 m
 wing area: 15.9 m²
 aspect ratio: 32
 empty weight: 30.5 kg
 design speed: 8.6 m/s
 design power: 225 W (pilot: 65kg = 85% of pilots aerobic power)
 wing airfoil: PF25
 stabiliser airfoil: Eppler 182
 rudder airfoil: PP19
 prop airfoil: FX 60-100
 prop diameter: 2.80 m
 prop speed: 190 rpm

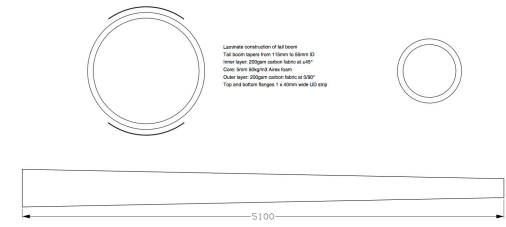
WING RIB
 Airfoil: PF25
 Scale: 1:4



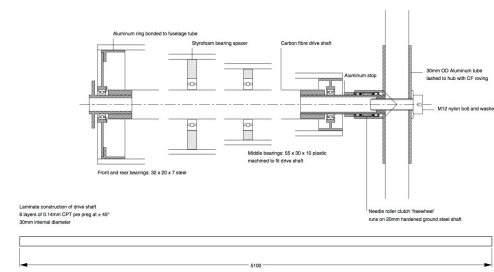
TAIL STRUTS (scale 1:5)



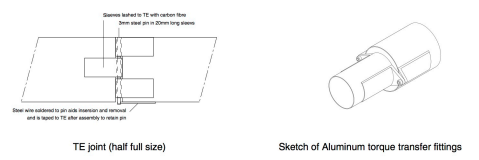
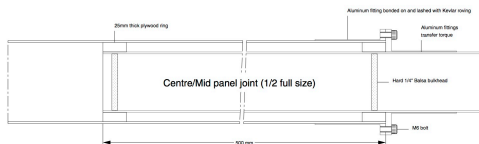
Tail Boom Construction



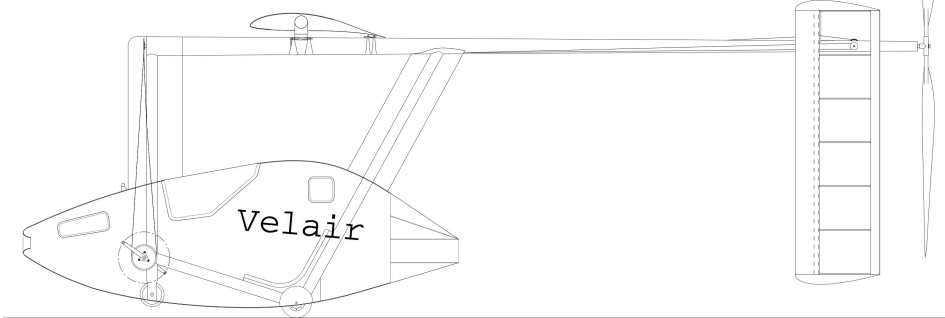
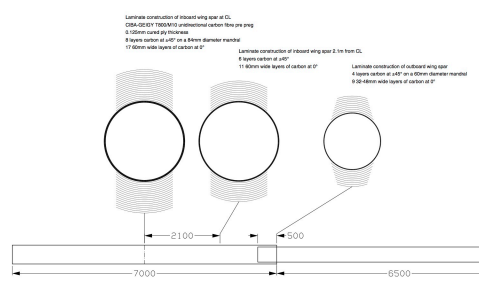
Drive Shaft



Wing Panel Joints



Wing Spar Laminate



Side view showing internal structure. Scale: 1:12.5

VELAIR 89 Human Powered Aircraft

Scale in m - 1:25

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