

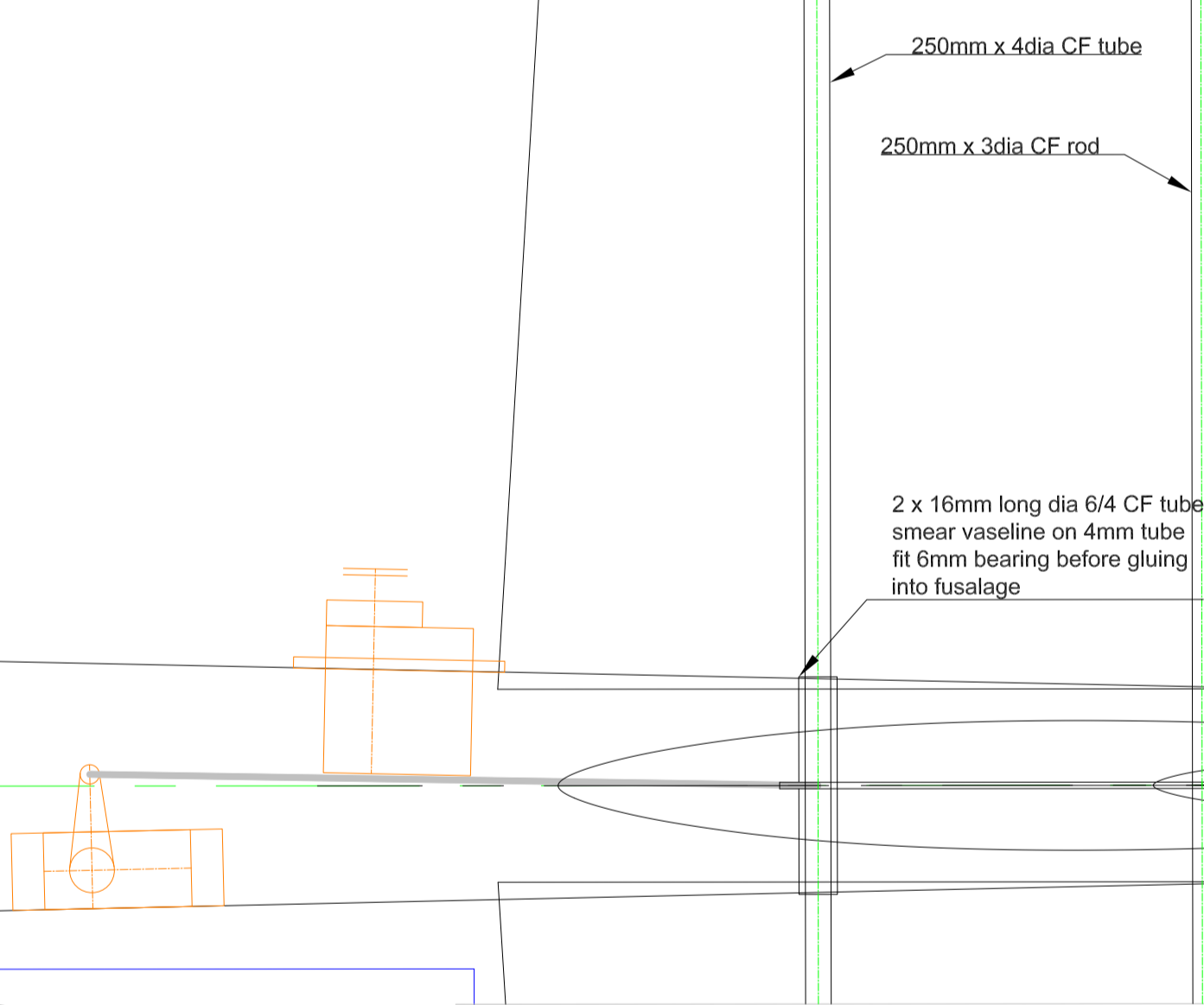
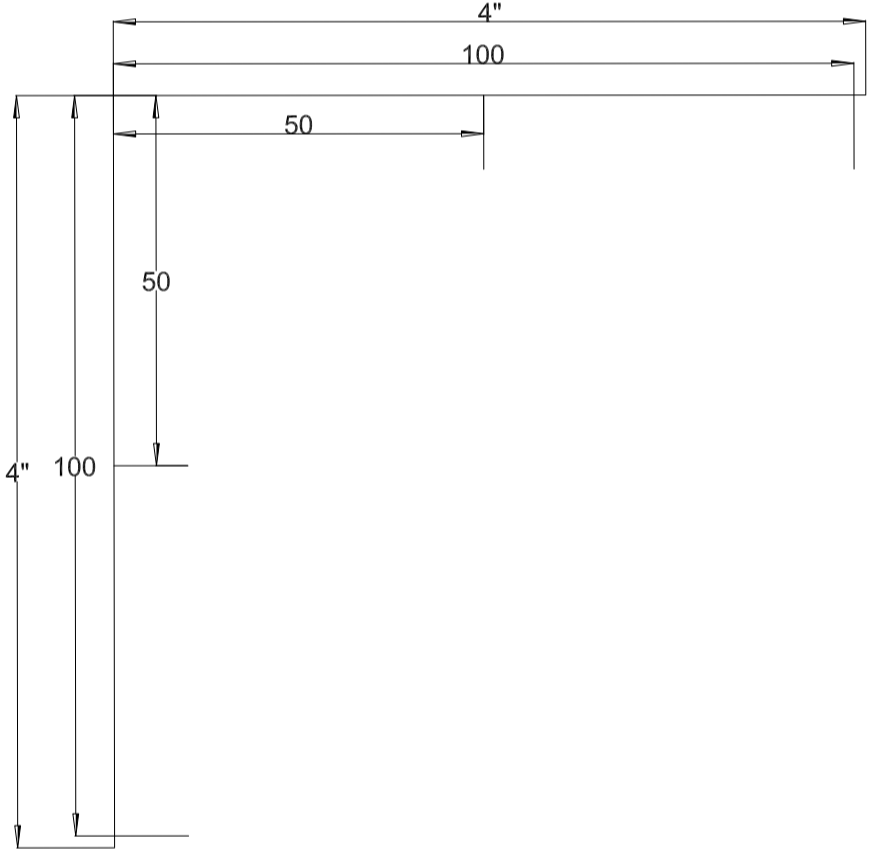
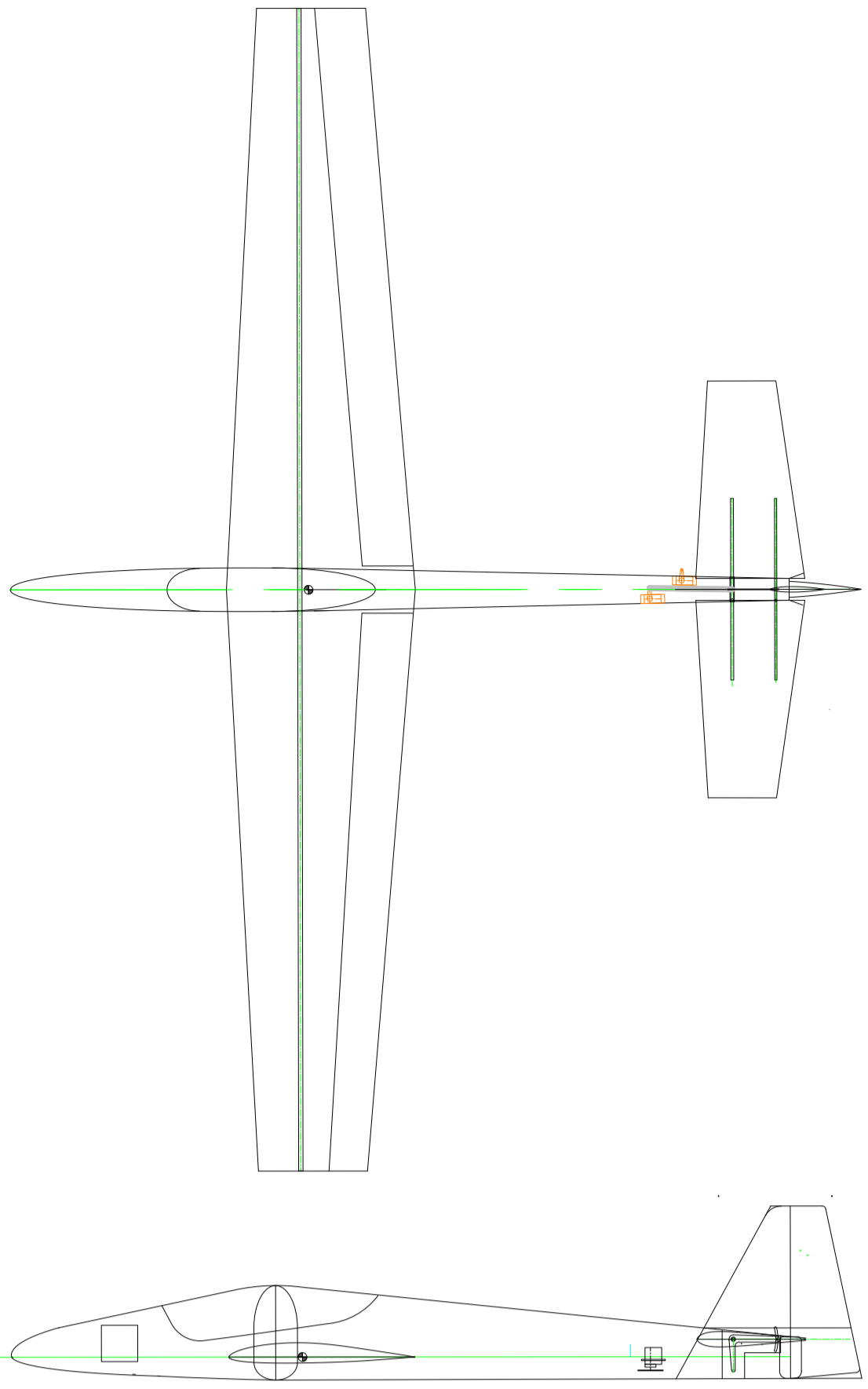
ESCAPE

A 19oz, 4.24sq ft, 4.5ozs/sqft. 1600mm span EPP slope soarer

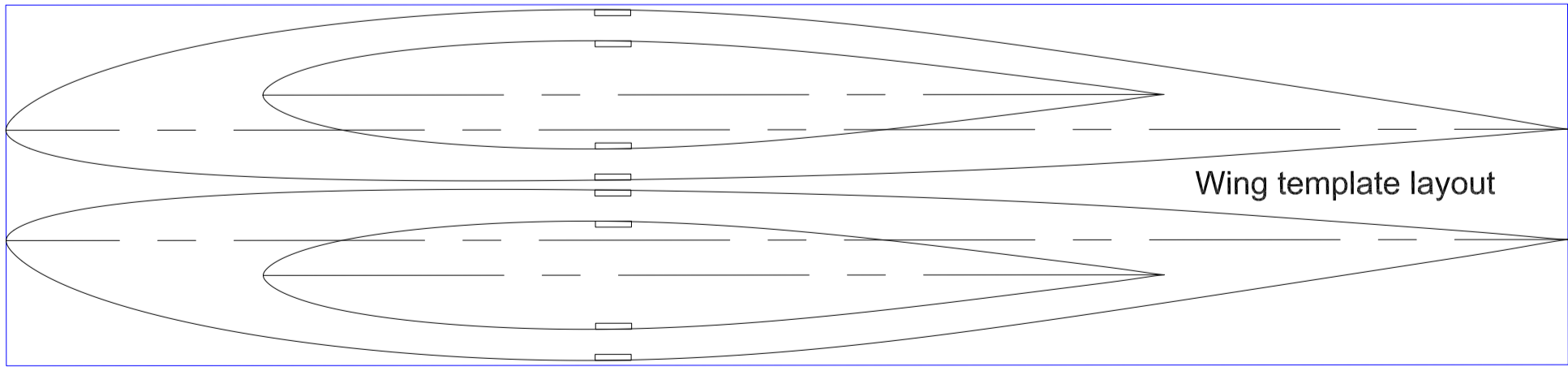
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July 2011
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I used UHU Por for all EPP joints; I have found that large EPP surfaces do not always glue well so I now prime both faces then leave to dry before applying a second coat before joining the parts together.
The wing 6x1 CF strips were glued in with a single application of UHU Por as were the bearing halves for the tailplane.
The CF rod and tube at the wing root were glued in with Gorilla glue making sure to add some water to make it foam up.
The EPP ailerons were initially strengthened by adding diagonal glass reinforced tape & laminating film, although latterly they were recut and skinned with 1.5mm balsa

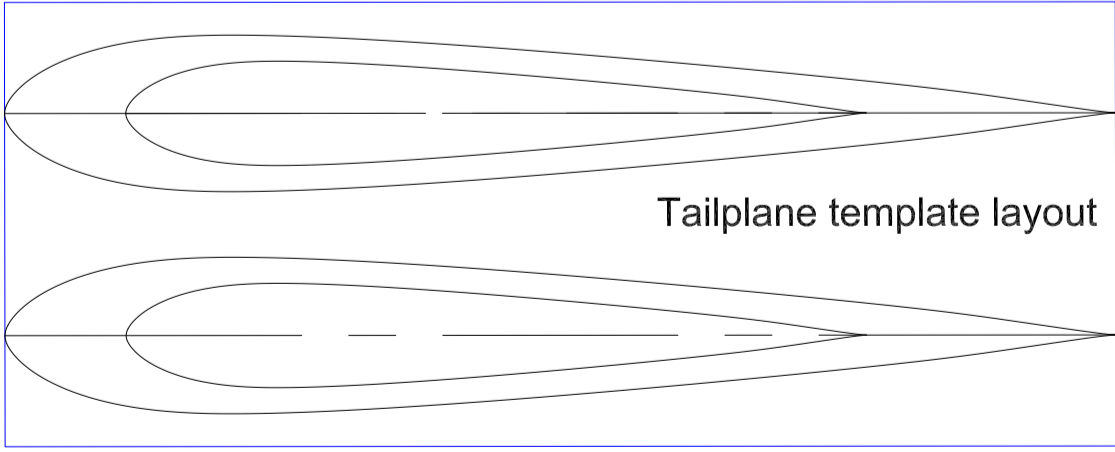
Prototype fitted with
3 x 14g Hextronic MG14 metal geared servo, 2.5kg/cm, 0.10sec/60degree
at 6 v for elevator and aileron.
Rudder - 9g ,1.6 kg-cm, 0.12 sec/60
Hitec Aurora9 & Optima7 receiver Ailerons on ch1 & 5 for flapperon function
Battery 6v 2300 NiMH 5 cell pack weighing in at 150gm



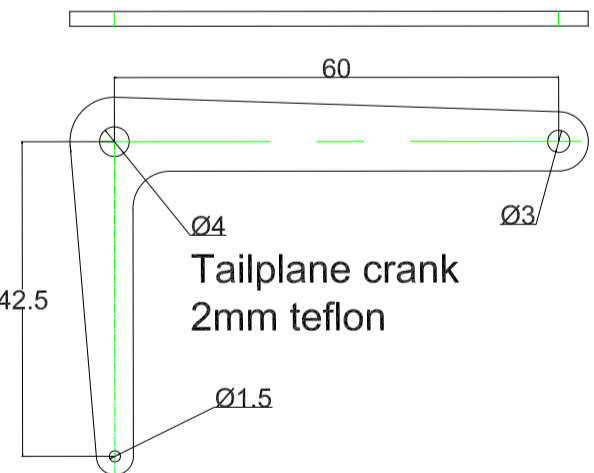
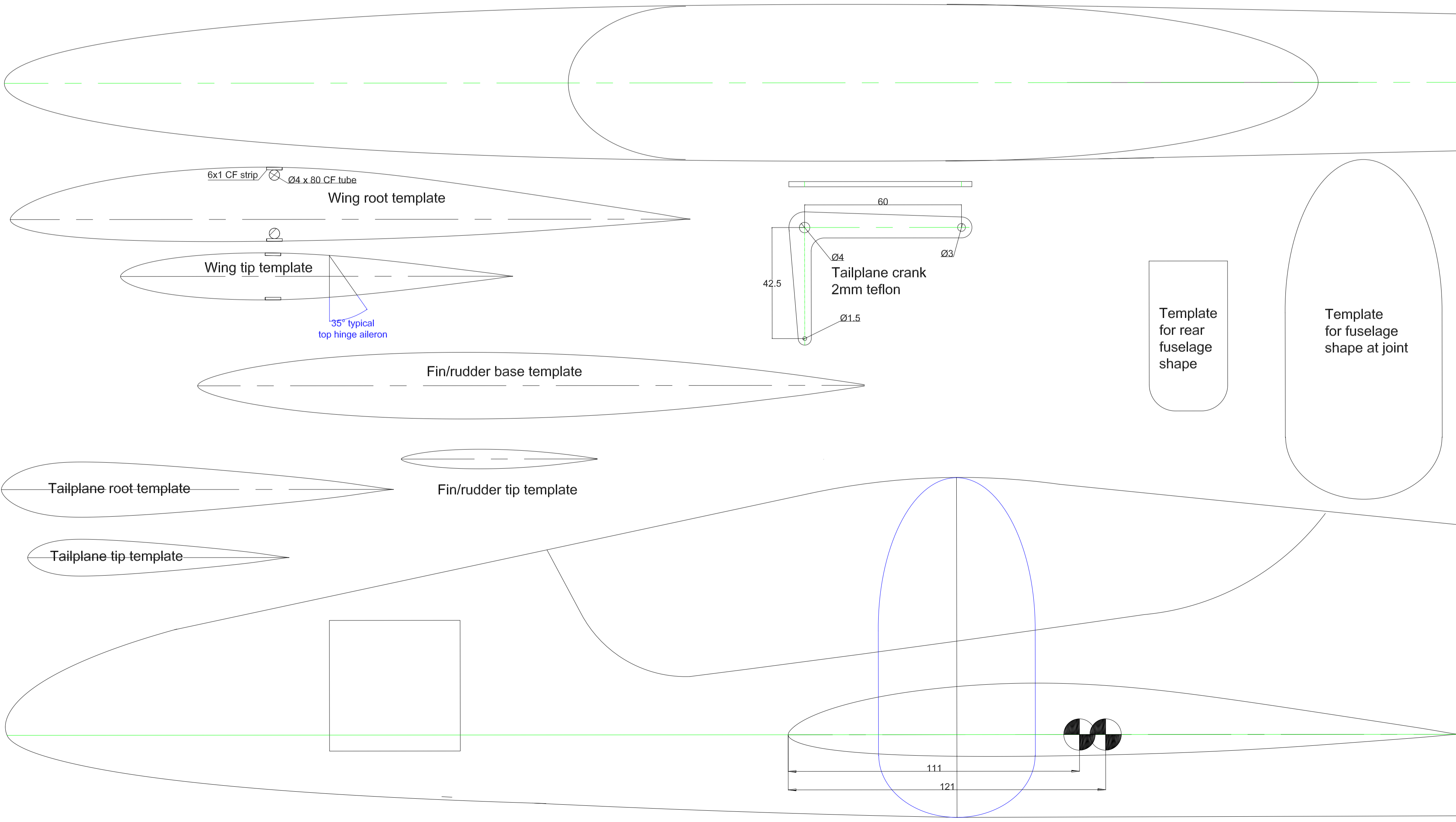
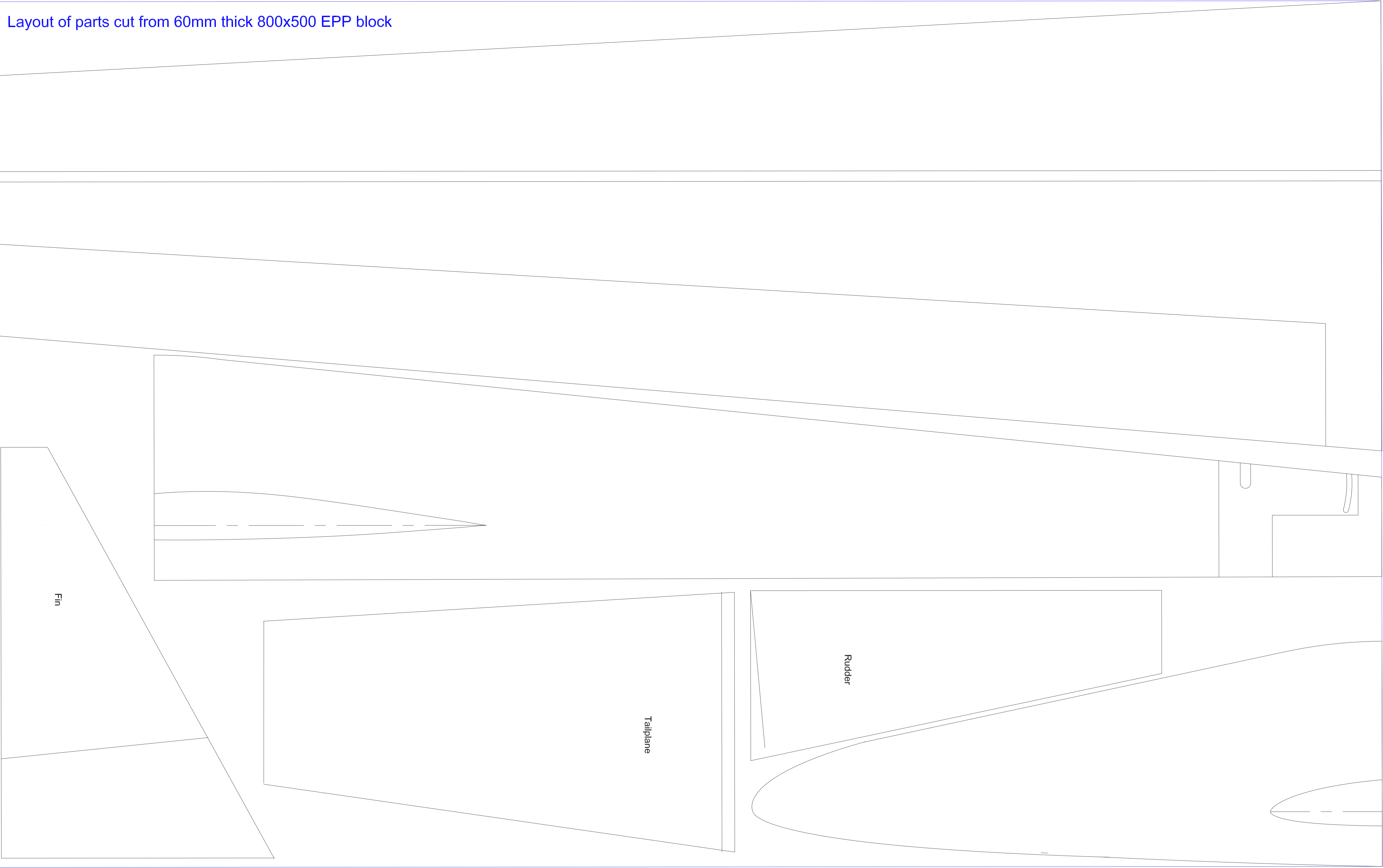
Fin/rudder template layout



Wing template layout



Tailplane template layout



Template for rear fuselage shape

Template for fuselage shape at joint