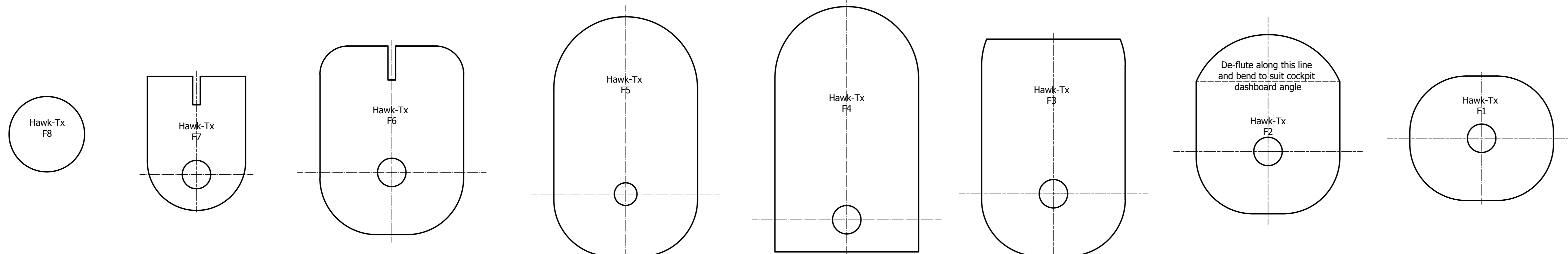
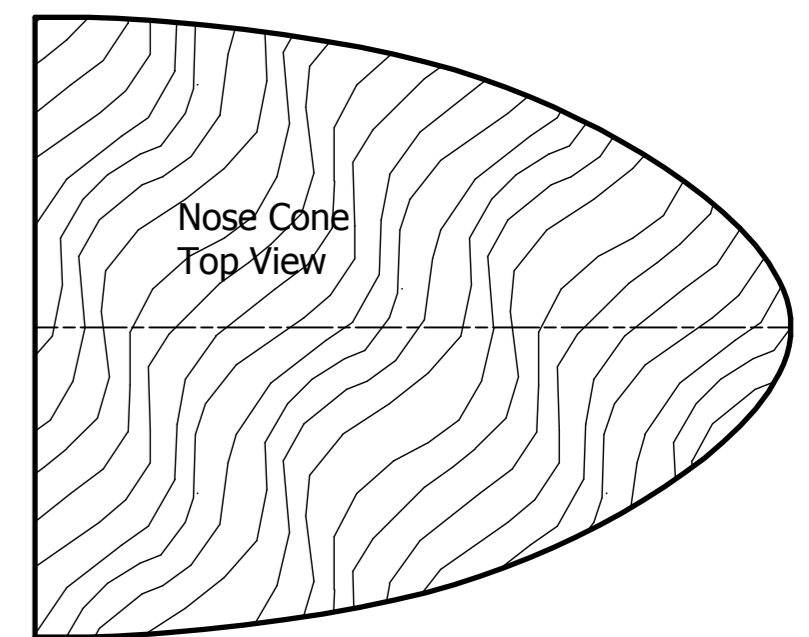
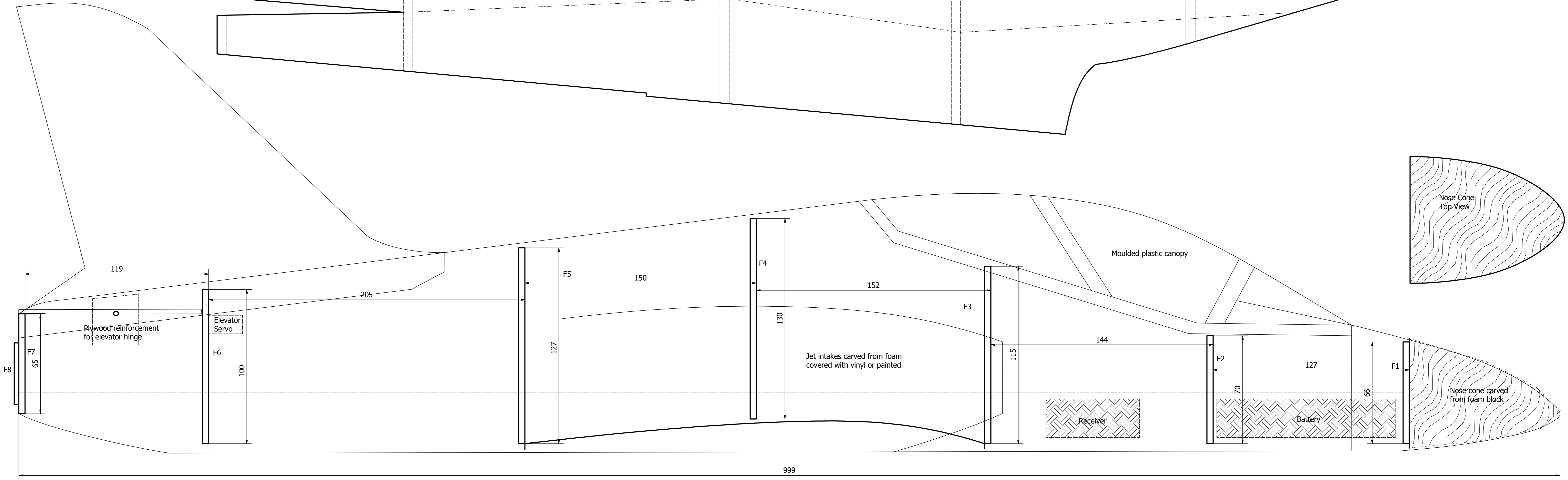
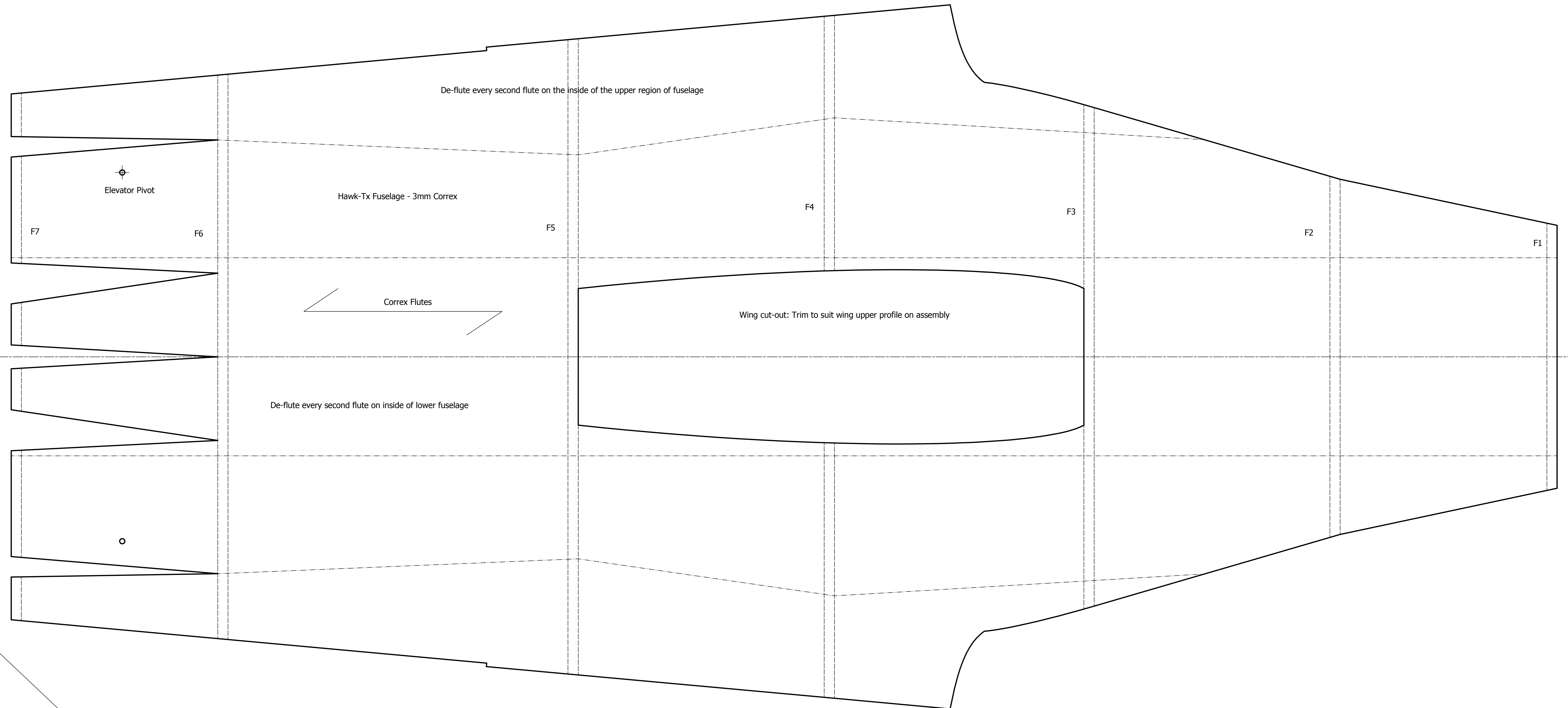
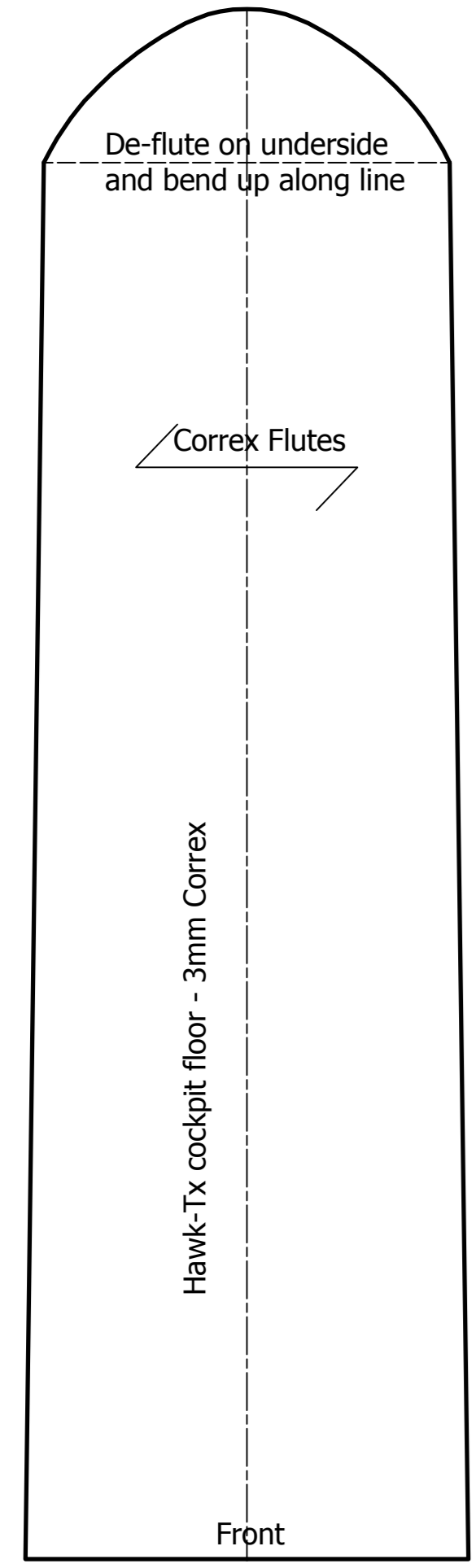


General Information:
 The Hawk-Tx is a 1300mm wingspan Correx version of the BAE Hawk T1. The wing can be constructed using the traditional build technique with the 2mm Correx flutes chordwise, or using a foam core hot-wire cut to a Clarke-Y airfoil, and flutes spanwise. This plan is plotted on an A0 sheet and must be printed full size (1:1 scale).

- Build Notes:**
- 1) Wing dihedral = 60mm on one side
 - 2) Rear elevators mounted on central pivot which passes through fuselage
 - 3) Rear fuselage reinforced on the inside with 3mm ply at elevator hinge
 - 4) Bend one side of elevator joiner and attach to elevator before passing through fuselage and bending the other side.

- Alternative wing manufacture technique**
- 1) Fabricate airfoil templates from plywood
 - 2) Hot-wire cut foam cores for the wings
 - 3) Install servos and spars in foam core
 - 4) Cut out 2mm Correx skin with flutes spanwise
 - 5) De-flute inside skin of correx from just below the leading edge, around to the upper surface in line with the spar (where the wing airfoil is most curved)
 - 6) Apply double-sided carpet tape to wing core and stick to Correx skin on a flat surface to prevent warping. Start on lower surface and roll around LE to ensure alignment while gluing
 - 7) Glue TE and wingtips together with hot glue
 - 8) Join wing spars with dihedral brace and epoxy glue
 - 9) Add Correx strip (flutes spanwise) over wing joint upper and lower
 - 10) Cut and hinge ailerons

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Hawk - Correx PSS Glider WS 1300mm, OAL 1000mm		Hawk-Tx Slope Soarer		
Hawk-Tx_Glider_Plans		Edition	Sheet 1 / 2	



Notes:
 1) Formers from 3mm Correx (make 2 with flutes at 90° and glue together) or 4mm with flutes horizontal.
 2) Canopy from 2L soft drink bottles moulded around wooden former.
 3) Design shows fixed canopy with battery access from removable wing, but canopy can be made to be removable by adding false floor.

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Hawk-Tx_Glider_Plans		Edition 2 / 2	Sheet