

Esprit

Designed by: Stan Yeo
62in span Aerobatic Slope Soarer

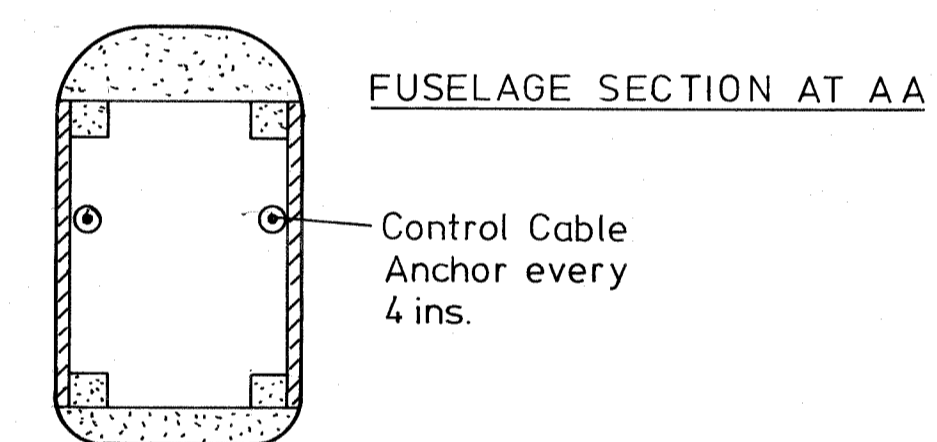
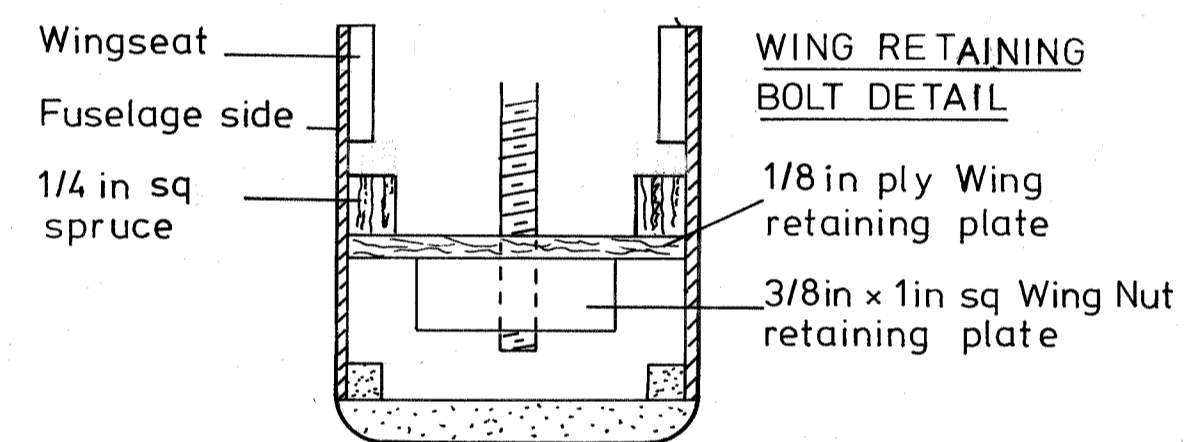
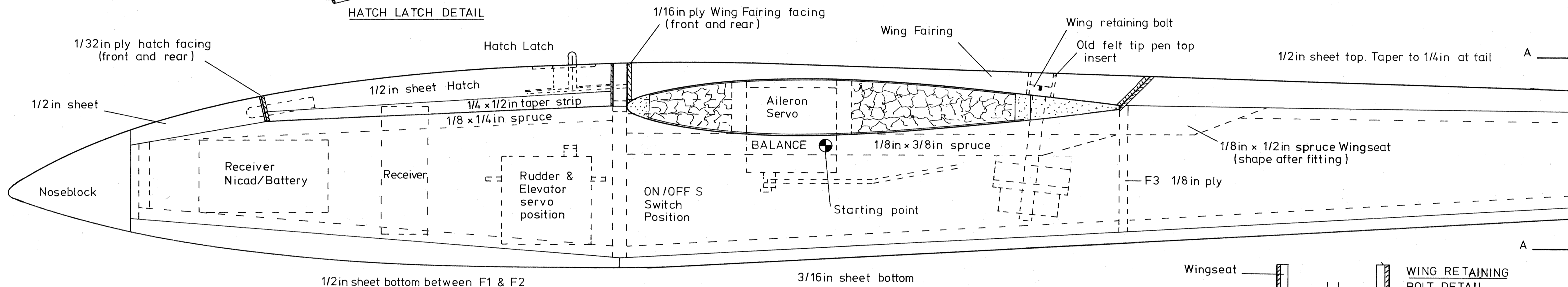
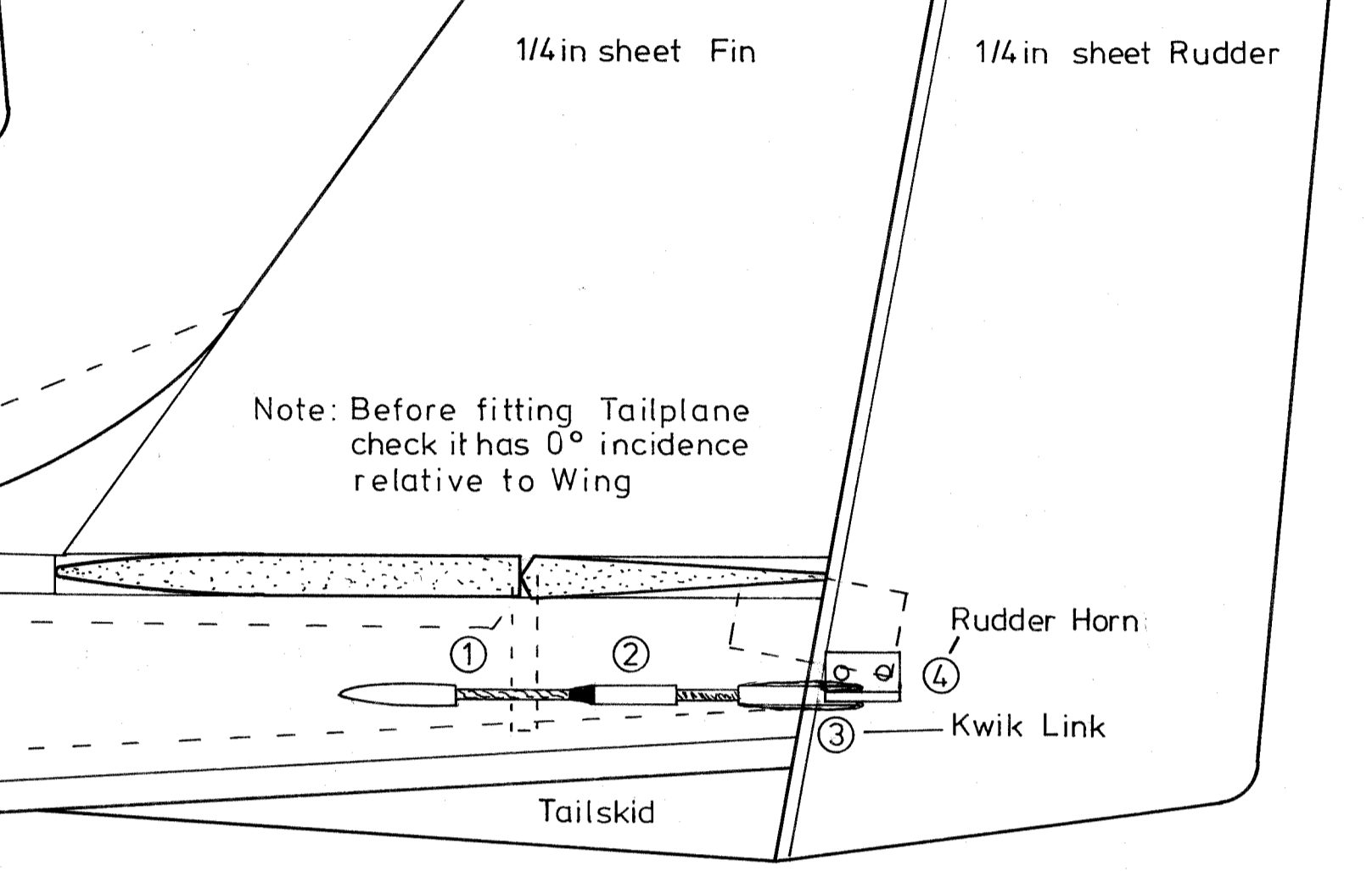
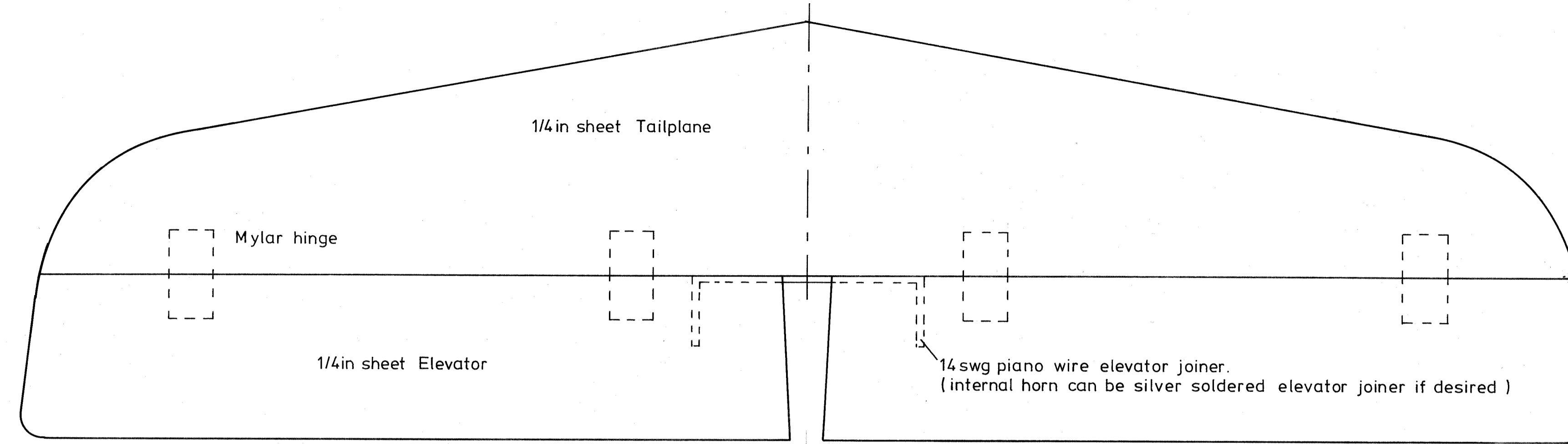
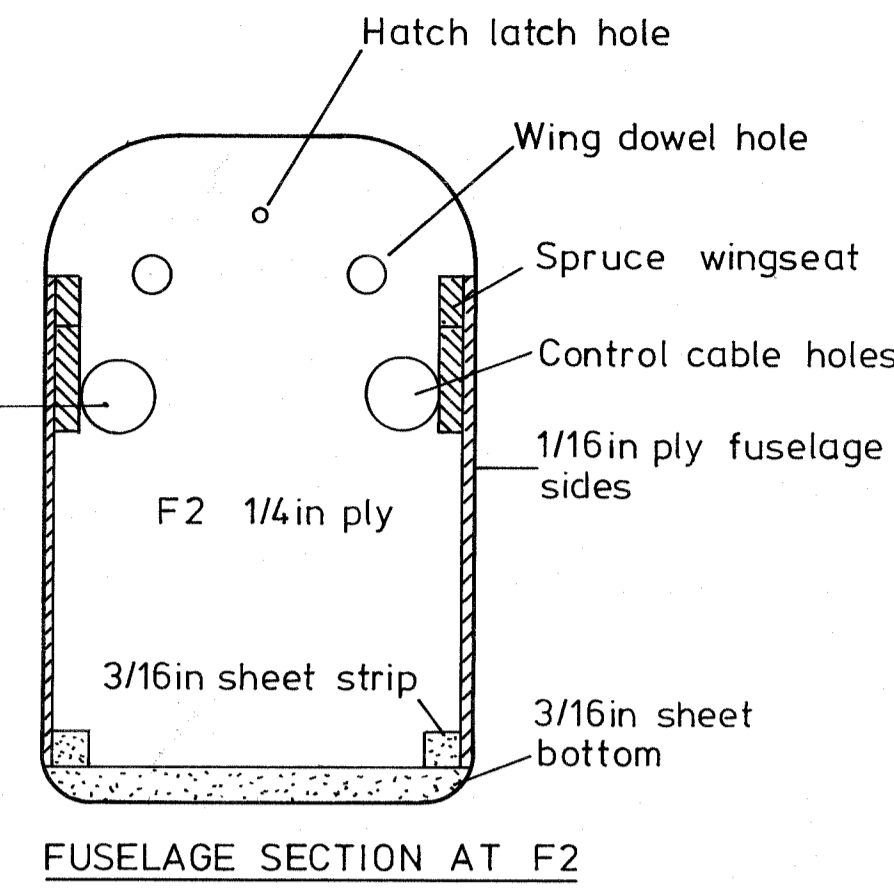
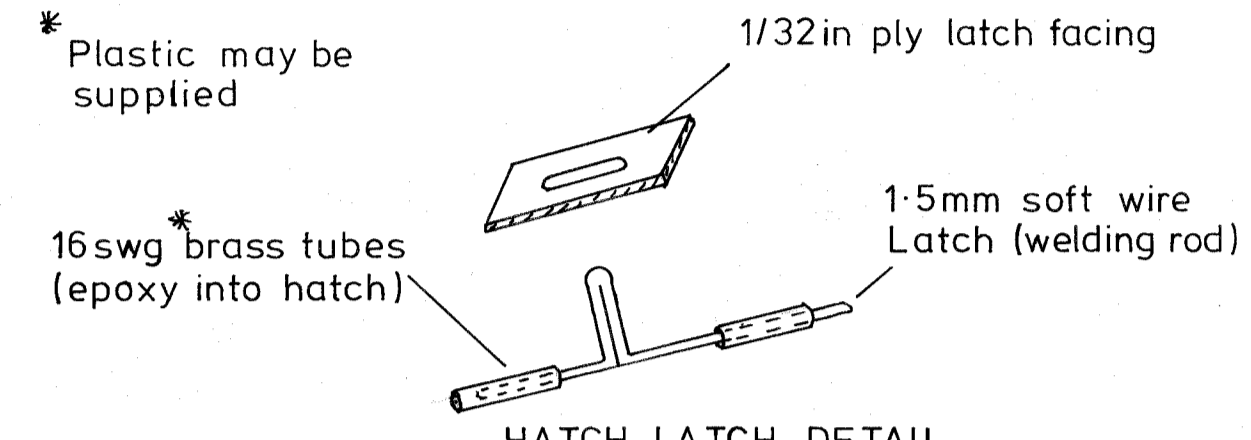
All wood balsa unless otherwise stated

CONTROL SURFACE MOVEMENTS

Ailerons $\pm 7/16$ in min
Elevator $\pm 1/2$ in
Rudder Maximum possible
Wing/ Tailplane Incidence 0°

CONTROL SURFACE MOVEMENTS

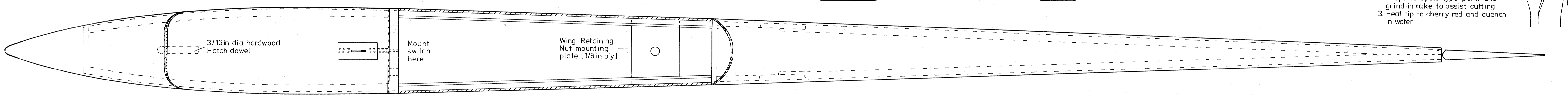
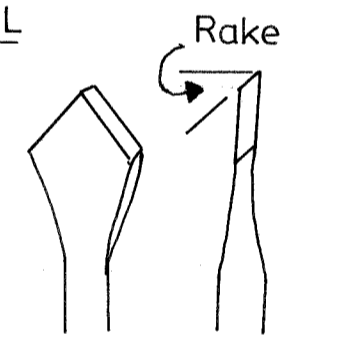
Ailerons $\pm 1/2$ in Elevator $\pm 1/2$ in
Rudder $\pm 1 1/2$ in min



- 1 Control Cable
- 2 Cable Adapter
- 3 Snap Link
- 4 Control Horn

PIANO WIRE DRILL FOR WING DOWEL

1. Heat end of 18 in length of 8 swg Piano wire and flatten.
2. Shape to spear type point and grind in rake to assist cutting
3. Heat tip to cherry red and quench in water



FOAM WING BUILDING INSTRUCTIONS

1. Sand Leading Edge and Rear Spar. Wing Core joints to provide a good glueing surface.
2. Attach Leading Edge and Rear Spar using Epoxy (Araldite) and sand to shape.
3. Fit Aileron Torque Rod assembly. Grease piano wire to prevent sticking then attach centre section Trailing Edge.
4. Attach wing tips using epoxy & sand to shape.
5. Join wings using epoxy. Check Dihedral. Ensure that the epoxy completely seals the joint.
6. Apply Glassfibre bandage over wing joint and sand to shape. An electric Disc Sander (coarse grit) followed by an Orbital Sander to finish BE CARE-FULL. Use 60 grit Car body sandpaper

DRILLING INSTRUCTIONS FOR WING DOWEL

1. Fit FINISHED wing less top decking to fuselage and mark position of dowel holes on front face of F2. Check that centre of hole lines up with centre of Leading Edge.
2. Using the Piano Wire drill, hold the wing in position securely and drill dowel holes.
3. Clean holes using a round file and epoxy tubes in position.

