`Carrera´

Designed by Stan Yeo

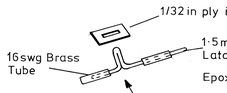
62 in span Aerobatic Slope Soarer

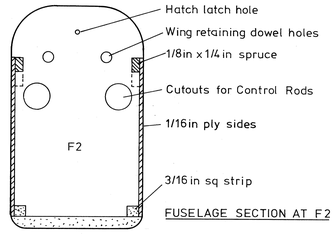
All wood balsa unless otherwise stated

CONTROL SURFACE MOVEMENT

AILERONS ± 3/8 in Min.
ELEVATOR ± 8°
RUDDER Max Possible

HATCH LATCH DETAIL





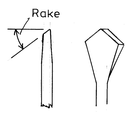
FUSELAGE SECTION AT F2

FUSELAGE BUILDING NOTES

1. Install Tailplane controls before joining Fuselage sides.
2. Install Rudder control cable. Set at minimum angle to Fuselage at exit.
3. Join Fuselage at rear ensuring Tailplane front pivot wire is square to the Fin sides in every direction.
4. When dry fit F2, F3, and F1. Top & Bottom sheeting etc. and sand to shape.

PIANO WIRE DRILL FOR WING DOWELS

1. Heat end of 18in length of 6swg piano wire and flatten end.
2. Shape to spear point and grind in rake to assist cutting.
3. Heat tip to cherry red and quench in water.
4. Check diameter by drilling test hole
5. Mark position of holes on F2. Fit wing and drill both sets of holes together.

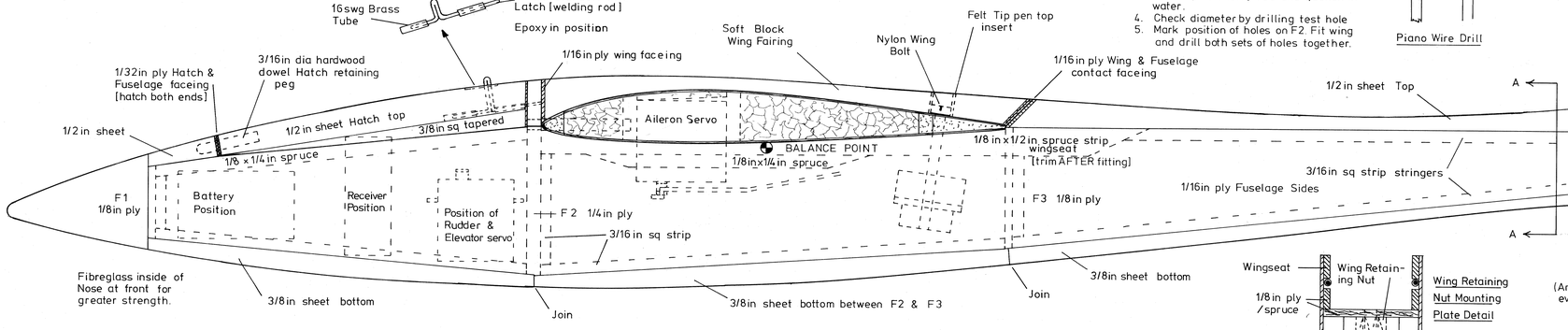


Piano Wire Drill

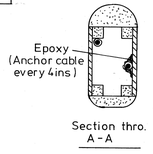
FOAM WING BUILDING INSTRUCTIONS

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 cetre section Trailing Edge.
4. Attach Wing Tips using Epoxy & sand to shape
5. Join wings using Epoxy. Check Dihedral. Ensure that the Epoxy completely seal 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 CAREFULL

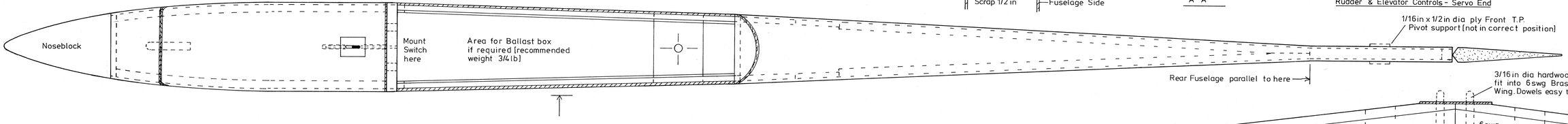
P.S. Before joining wings check there is the correct amount of Sweepback.

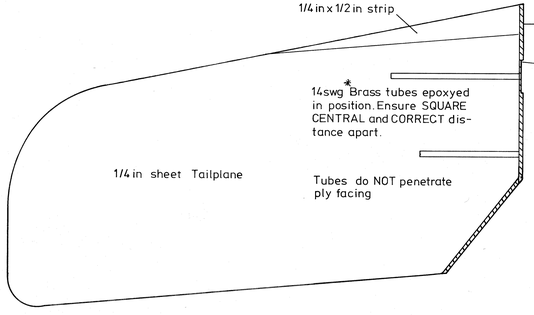


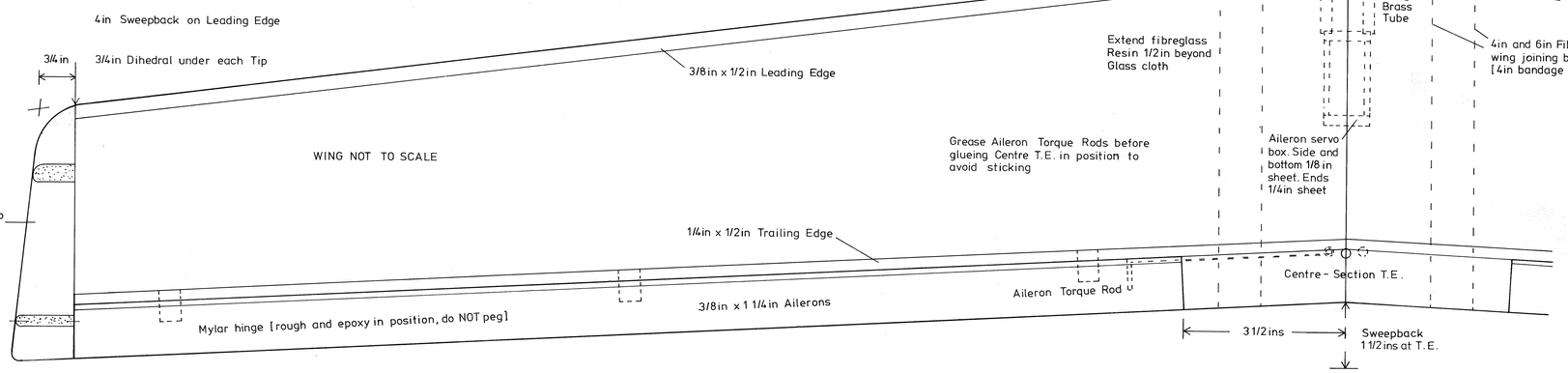
Wing Retaining Nut Mounting Plate Detail

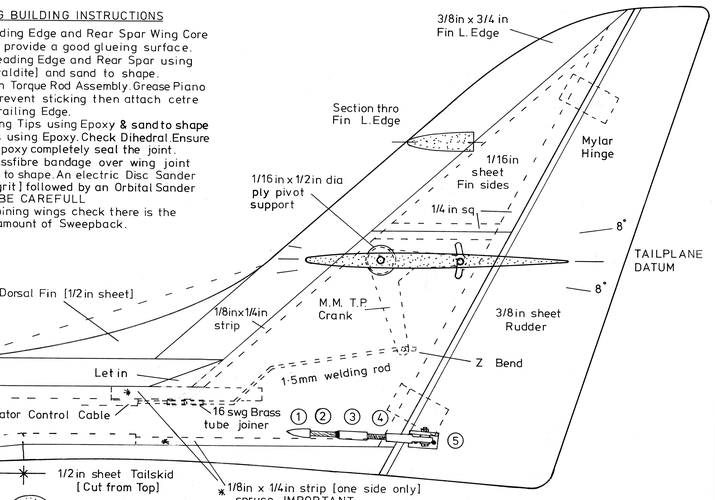


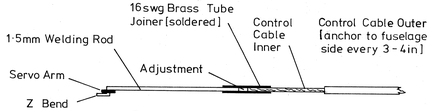
Section thro. A-A











Rudder & Elevator Controls - Servo End

1. Control Cable Outer
2. Control Cable Inner
3. Brass Cable Adaptor
4. Swivel Link
5. Control Surface Horn