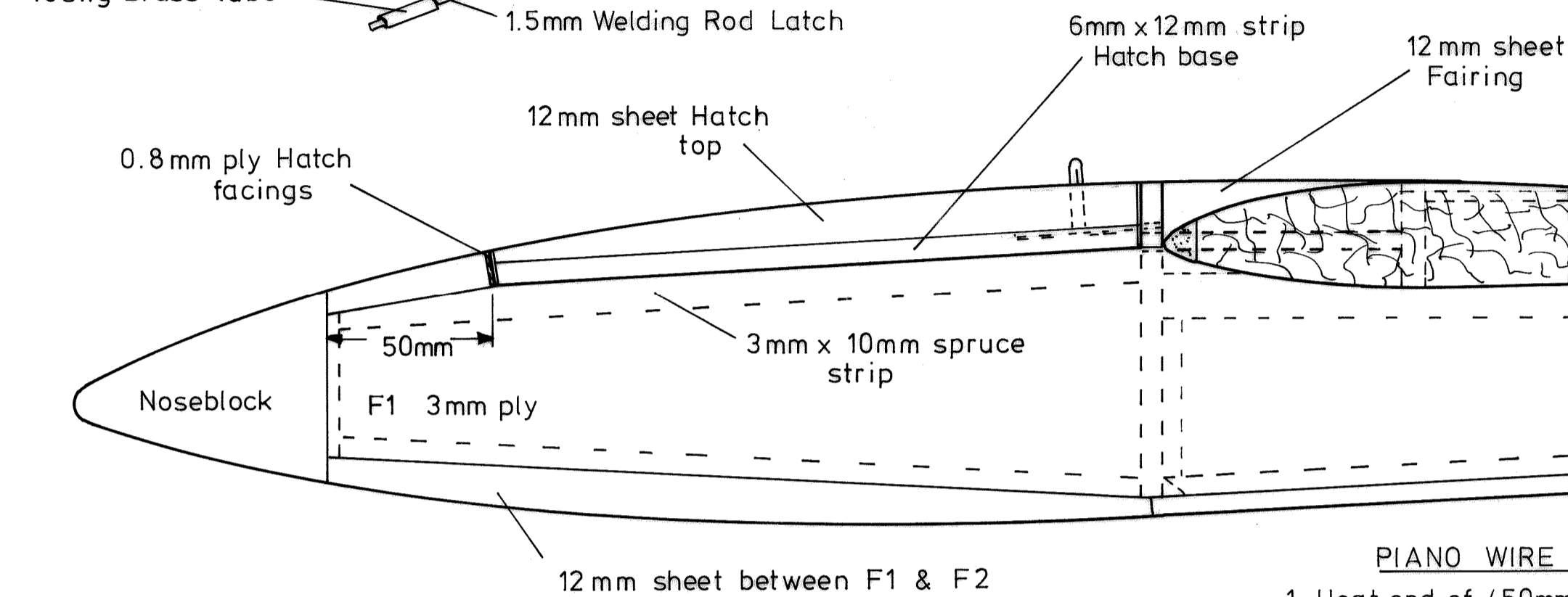
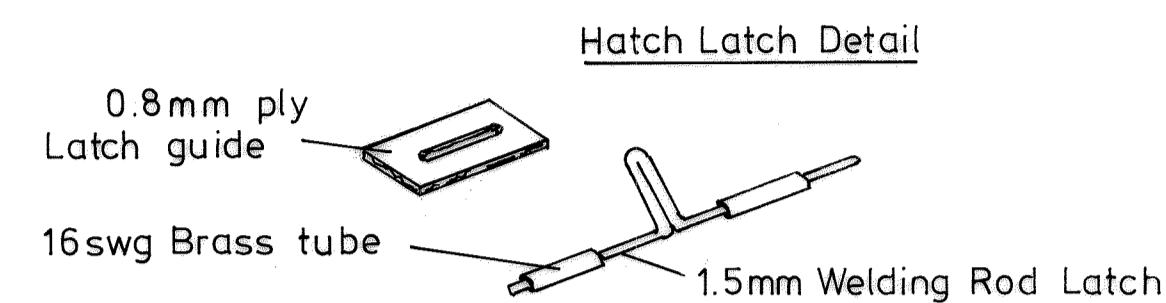


SIERRA Ghia

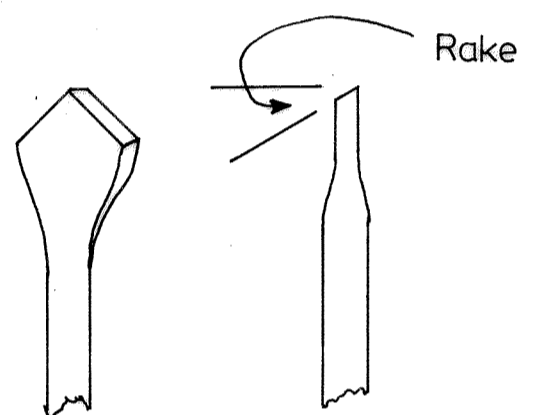
Designed by Stan Yeo
74in span Aerobatic Slope Soarer

All wood balsa unless otherwise stated

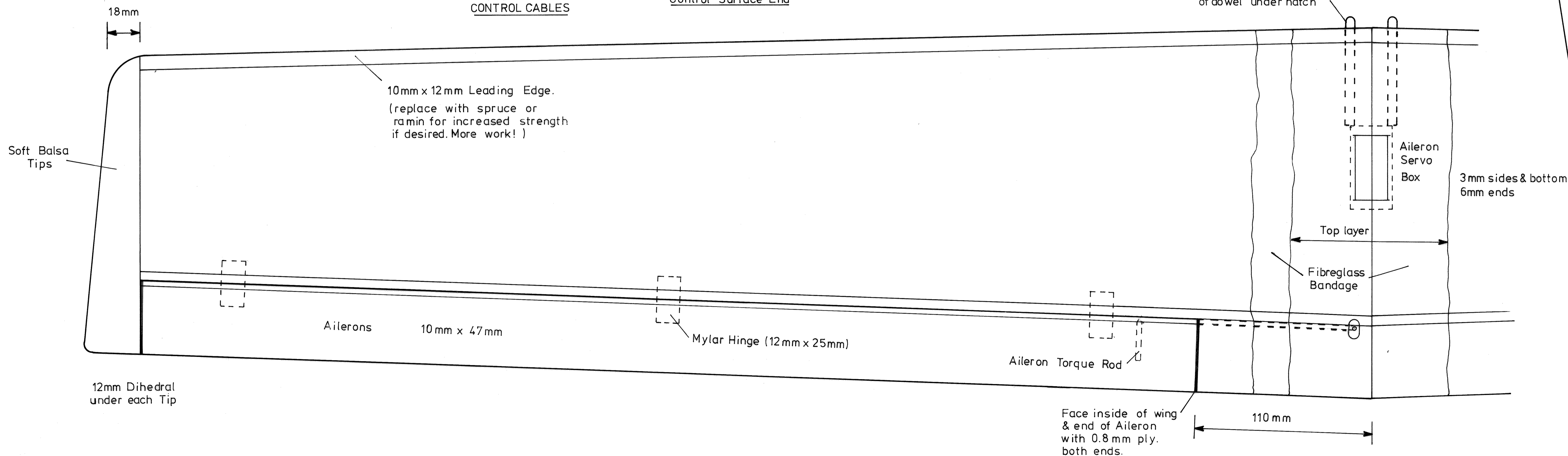
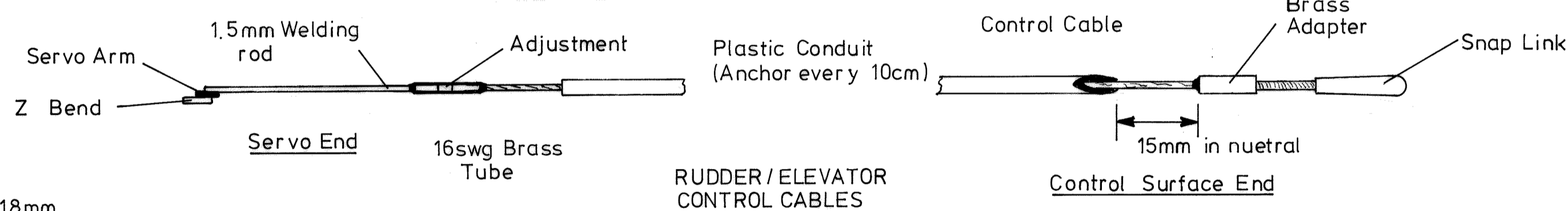
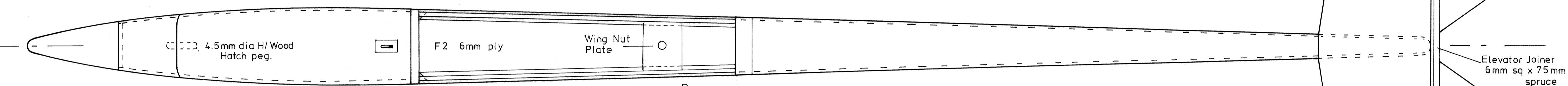
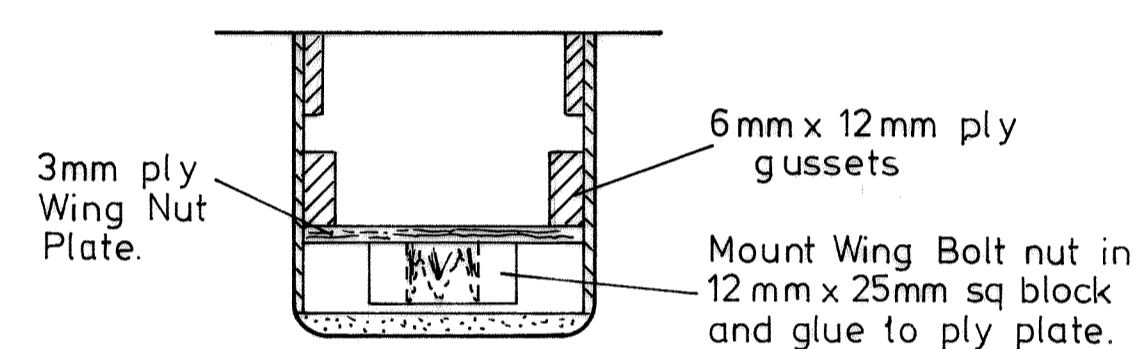


PIANO WIRE DRILL

1. Heat end of 450mm length of 8swg Piano wire and flatten end. Grind to Spear shape with cutting angles as indicated.
2. Heat tip to cherry red and quench in water.
3. Drill test hole to check diameter. Adjust drill sides as necessary.



Wing Bolt Detail



FLIGHT SETUP

- Ailerons ± 20mm
- Elevator ± 12mm
- Rudder - Max. Possible
- Wing Incidence=0 deg.
- Tailplane Incidence=0 deg.
- Balance Point 90mm from Leading Edge.
- Optimum Flying Wt 1.5 Kgs

WING BUILDING NOTES

1. Sand Leading Edge to provide a good glueing area and attach L.E. strip using Epoxy.
2. Sand L.E. strip to shape.
3. Fit Aileron torque rod assembly. Grease piano wire before attaching to Trailing Edge.
4. Attach Wing Tips with epoxy and sand to shape.
5. Join Wings at correct dihedral using epoxy.
6. Construct Aileron servo box using balsa sheet.
7. Check that the Wing is completely seal with epoxy around the wing joint.
8. Attach Wing Bandage with polyester resin. Narrow bandage outermost. Sand to shape using Orbital Sander. BE CAREFUL Finish with 180 Wet & Dry

WING DOWEL HOLE DRILLING

1. Fit finished wing less fairing securely to fuselage in correct position and mark hole centres on front of F2. Leave wing in position.
2. Using Piano Wire drill, drill dowel holes through both wing and former at same time.
3. Epoxy 6swg Brass tubes into wing.

IMPERIAL CONVERSION

- 0.8mm = 1/32in
- 1.5mm = 1/16in
- 3mm = 1/8in
- 4.5mm = 3/16in
- 6mm = 1/4in
- 10mm = 3/8in
- 12mm = 1/2in