'Encore'

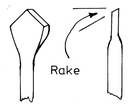
Designed by Stan Yeo

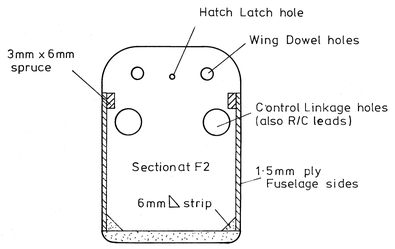
1600 mm span Aerobatic Slope Soarer

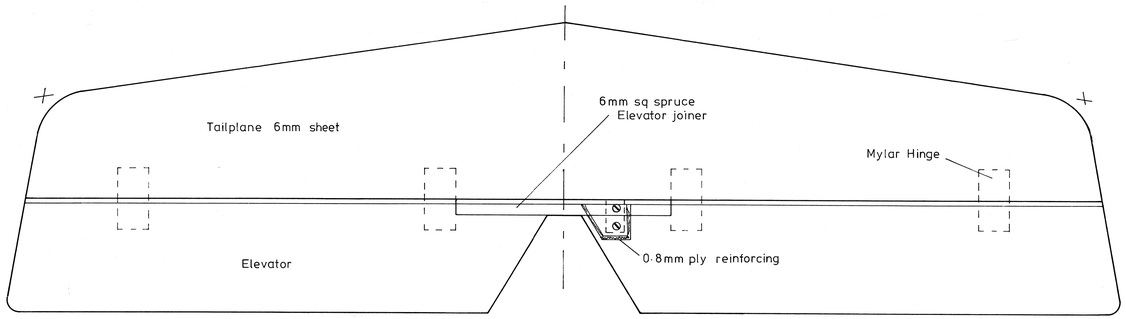
All wood balsa unless otherwise stated

PIANO WIRE DRILL

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

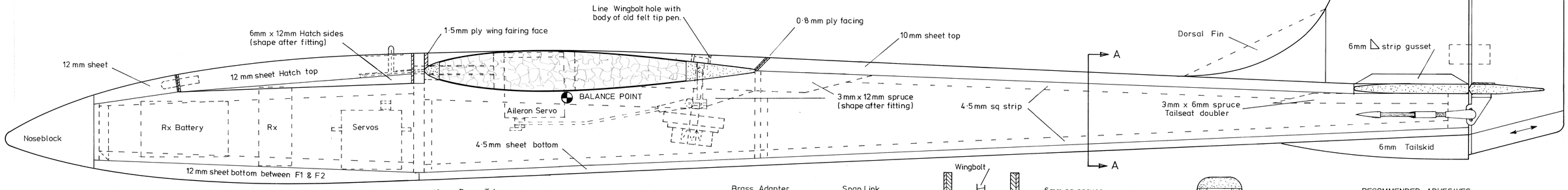




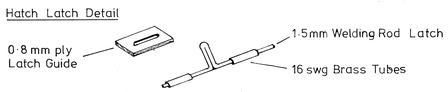


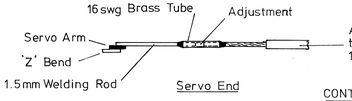
IMPERIAL CONVERSION

0·8 mm	=	1/32 in
1·5 mm	=	1/16 in
3·0 mm	=	1/8 in
4·5 mm	=	3/16 in
6·0 mm	=	1/4 in
10 mm	=	3/8 in
12 mm	=	1/2 in



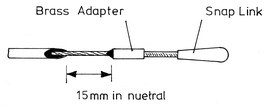
Hatch Latch Detail



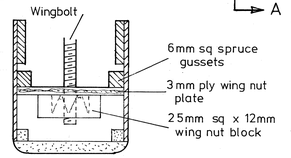


Servo End

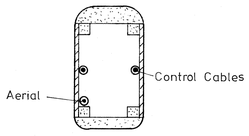
CONTROL CABLE CONNECTIONS



Control Surface



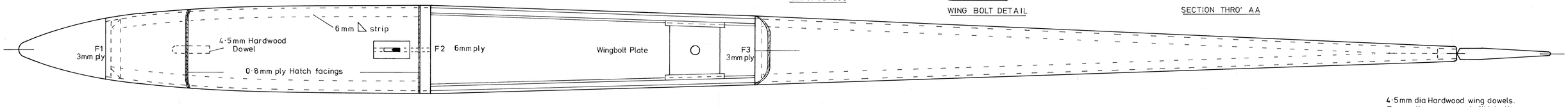
WING BOLT DETAIL



SECTION THRO' AA

RECOMMENDED ADHESIVES

Wood to Wood	Resin W / PVA
Wood to Foam	Epoxy (Araldite)
Wing Bandage	Polyester (Fibreglass) Resin



WING BUILDING NOTES

1. Sand wing Leading Edge flat to provide a good gluing area. Attach L.E strip using Epoxy & masking tape,
2. Sand L.E to shape.
3. Grease piano wire of Aileron torque rod and fit to centre section T.E. Attach T.E to wing. Sand to shape.
4. Epoxy wing tips in place and sand to shape.
5. Set wings to correct dihedral and join using Epoxy.
6. Construct Aileron servo box using balsa sheet & Epoxy
7. Check that the wing joint is completely sealed with Epoxy
8. Attach wing bandage using polyester resin (drape band-over wing L.E) narrow bandage outermost.
9. Sand using Orbital Sander. BE CAREFUL. Use 180 grade Wet and Dry to finish.

WING DOWEL HOLE DRILLING

1. Fit finished wing (less fairing) to fuselage in correct position and secure. Mark position of wing dowel holes on front of F2. Leave wing in position.
2. Using piano wire drill, drill wing dowel holes through F2 and wing simultaneously.
3. Enlarge holes in wing and fit 6swg brass wing dowel tubes. Epoxy in position.

FLIGHT SETUP

Ailerons ± 15 mm
Elevator ± 12 mm
Rudder - Max posible
Wing incidence 0 deg
Tailplane incidence 0deg
Balance Point 90mm ± 5mm from Leading Edge
Optimum Flying Weight 1050grms.