# `Cariba´

Designed by Stan Yeo

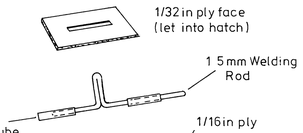
62 in span Aerobatic Slope Soarer

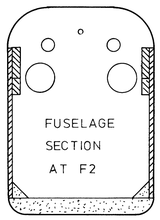
All wood balsa unless otherwise stated

## CONTROL MOVEMENTS

Aileron ± 7/16 in
Elevator ± 3/8 in
Rudder ± 1/2 in
(If fitted)

## HATCH LATCH DETAIL



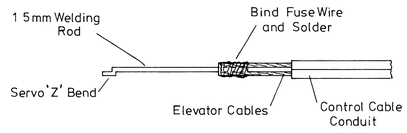



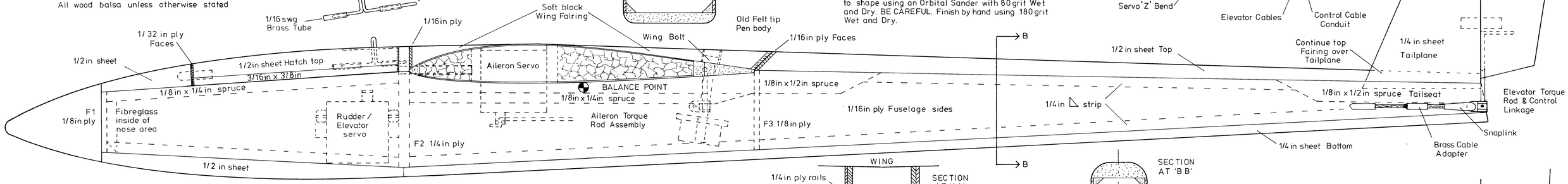

## WING BUILDING NOTES

1. Sand Leading Edge and Rear Spar of wing core to provide a good glueing surface.
2. Attach Leading Edge and Rear Spar using Epoxy and sand to shape.
3. Fit Aileron Torque Rod Assembly. Grease piano wire to prevent sticking before attaching Trailing Edge.
4. Attach Wing Tips with Epoxy and sand to shape.
5. Join Wings using Epoxy. Check for correct Dihedral and Sweepback. Ensure that the Epoxy completely seals the joint.
6. Construct Aileron Servo box using balsa sheet.
7. Apply Glass Fibre bandage over Wing Joint and sand to shape using an Orbital Sander with 80 grit Wet and Dry. BE CAREFUL. Finish by hand using 180 grit Wet and Dry.

## 2 CHANNEL OPTION

If the Rudder is not required join the Elevator cables together at the Servo end as per the diagram below

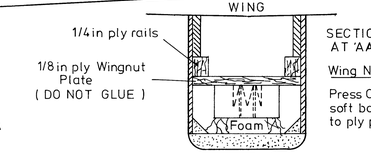



## DRILLING INSTRUCTIONS FOR WING DOWELS

1. Fit finished wing less centre decking securely, in correct position and hole positions on front of F2.
2. Using Piano Wire drill, drill both holes through former and wing together.

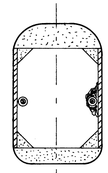
Note: To achieve the correct Balance it may be necessary to ballast the Tail owing to Wing Sweepback.




SECTION AT 'AA'

### Wing Nut Detail

Press Captive Nut into soft balsa block & glue to ply plate.

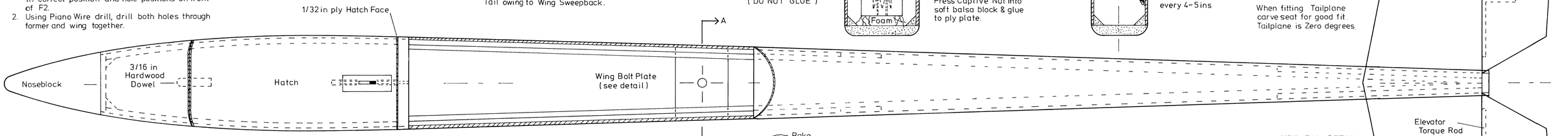


SECTION AT 'B B'

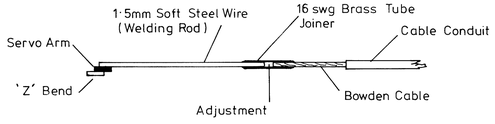
Epoxy control cables to sides every 4-5 ins

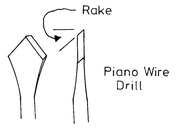
### NOTE

When fitting Tailplane carve seat for good fit. Tailplane is Zero degrees.



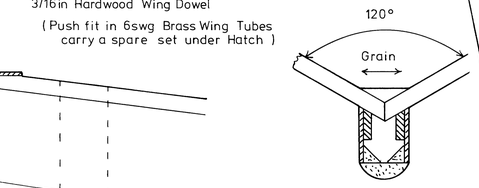

REVISIONS
22.6.93




### WING DOWEL DRILL

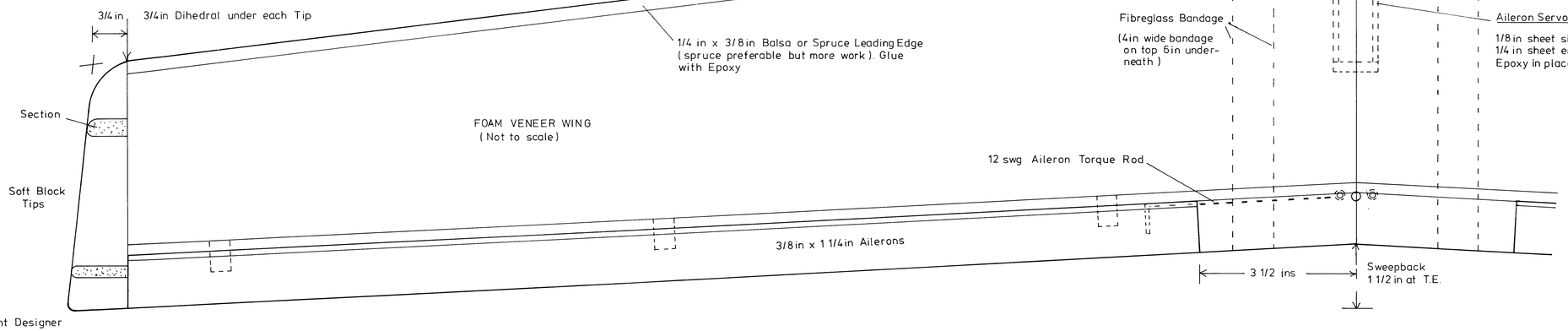
1. Heat end of 18in length of 8swg Piano wire and flatten end.
2. Shape to spear type point and grind Rake to assist cutting.
3. Heat tip to Cherry Red and Quench in water.
4. Check diameter of hole drilled by drill and adjust by grinding sides as necessary.




### VEE TAIL DETAIL




4 in Sweepback on Leading Edge




### VEE TAIL JOINING INSTRUCTIONS

1. Construct a 120° template on a suitable flat surface.
2. Sand tailplanes to correct angle with the aid of a 60/30 set square.
3. Pin and glue tailplane halves, elevator hinge down, to template checking tailplane is square and set at correct angle.
4. Fit triangular filler, grain in same direction as tailplane.

Shape Tailplane tips after assembly

WARNING: THIS IS NOT A FIRST AILERON MODEL