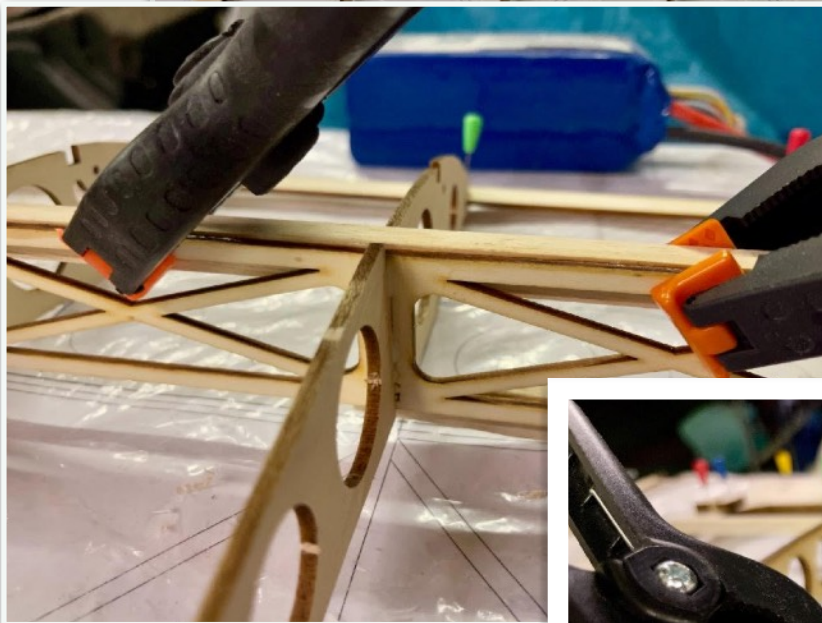
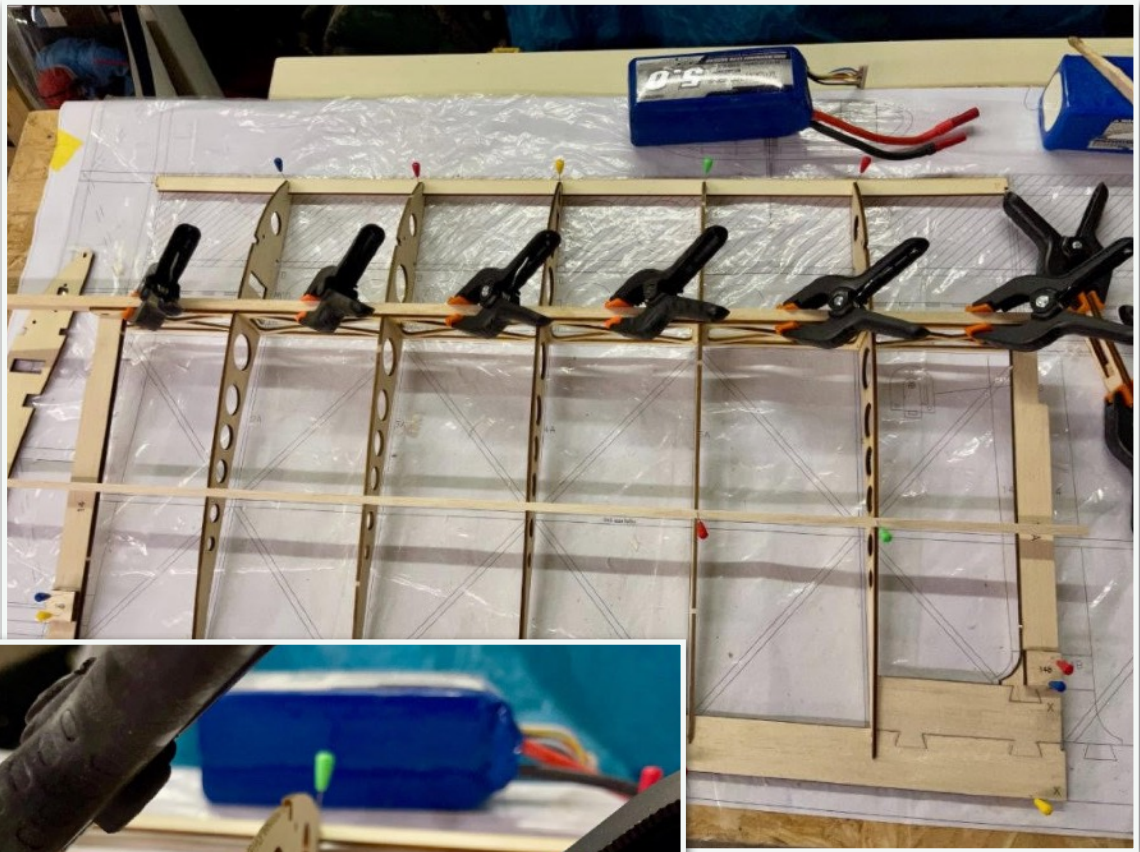


# Ron Gray - Leprechaun XL

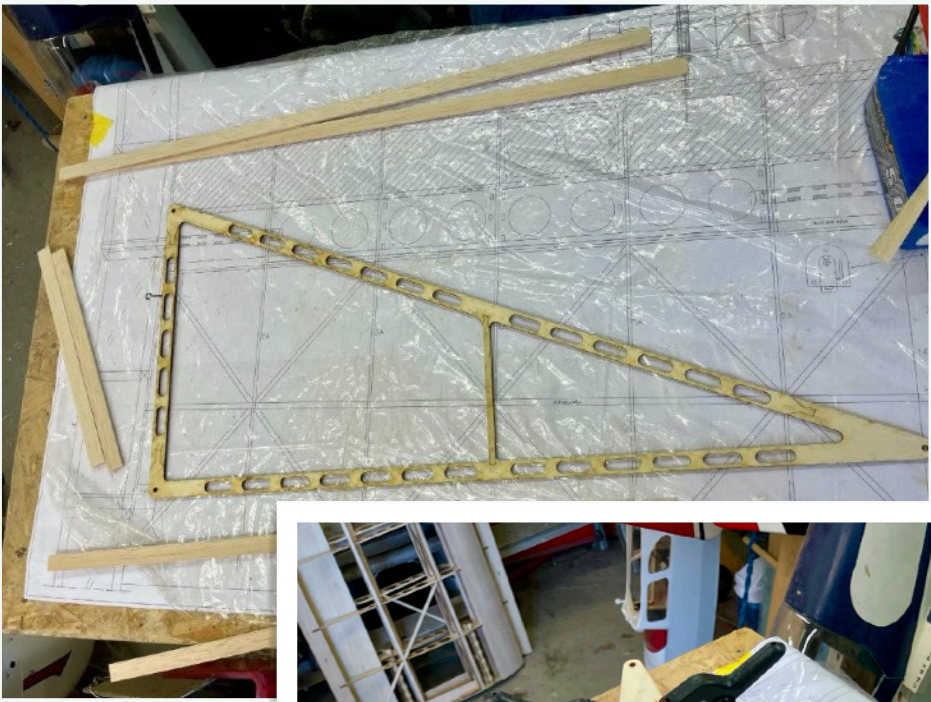
## Build blog 7

Cracked on with the assembly of the first inner wing panel, same form of construction as the outer panels but no jig tabs on the ribs.





After finishing the main structure of the inner wing panels it was then on to the wing braces. These are formed from a ply framework sandwiched between balsa.





Whilst they were drying I got to work on the wing jointing clips, a nice simple but effective design.

Clip housing formed from 2 pieces of ply stuck together, the inner ply section has a 'spring' which the clip locates in.





Fitted to the inside face of the rib.

The clip slides in from the underside

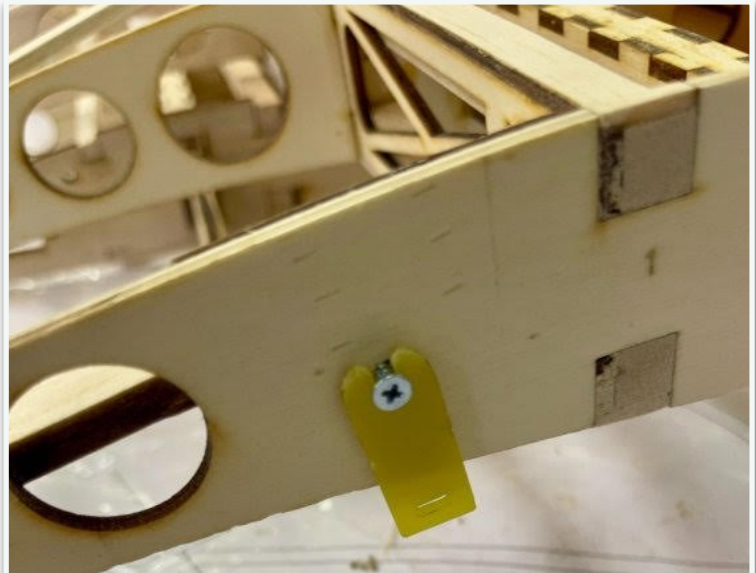




Clip in position



And a screw is fastened to the other wing panel root rib so that the clip engages with it when pushed in.



To remove the clip a zip tie is threaded through the slot so that there is something to grab hold of, obviously the tie isn't fastened in place!



Then a lot of sanding to profile for the braces.

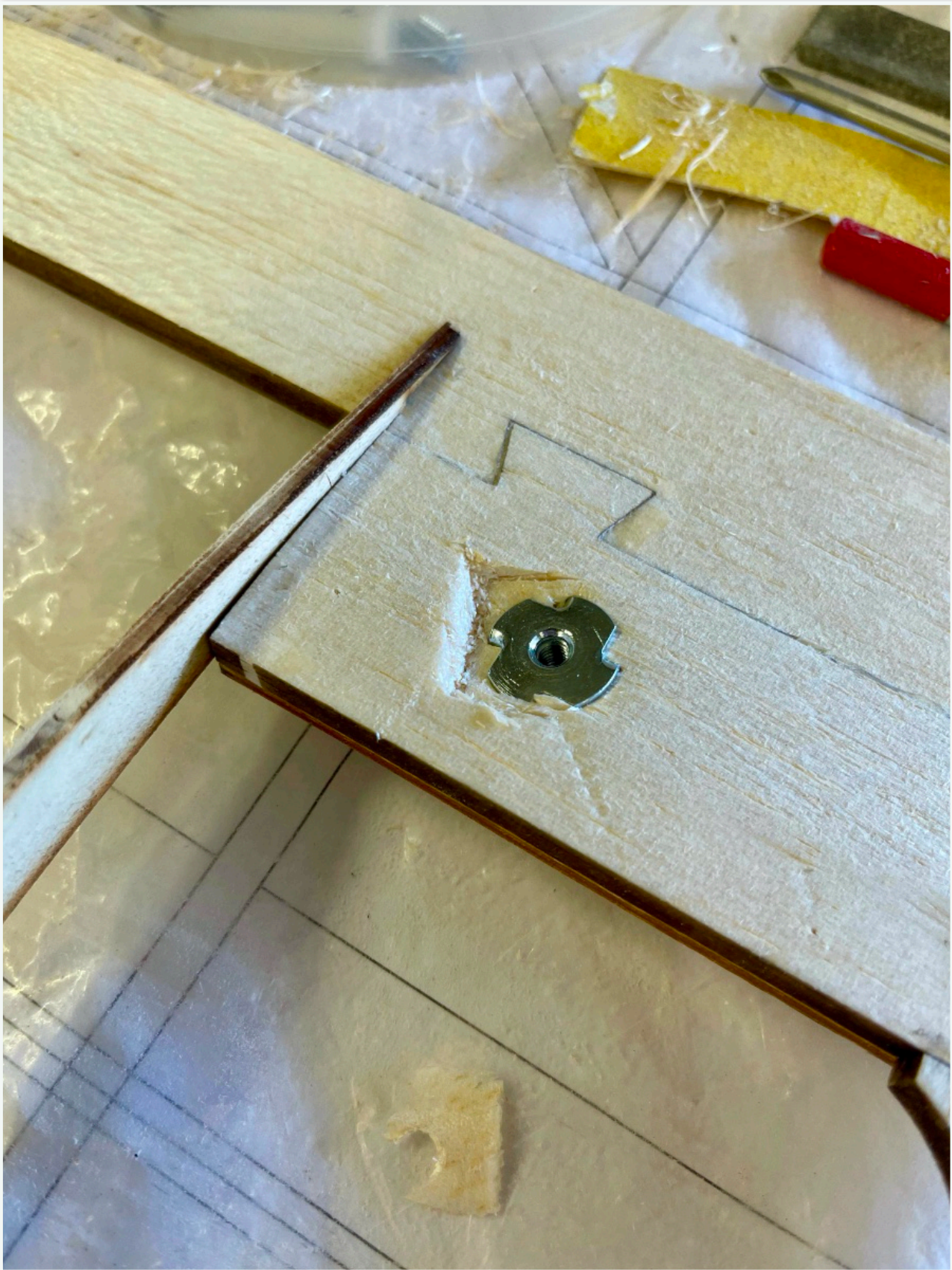


Whilst one 'leg' of the strut locates on the bracket on the underside of the wing joint tongue box, the other needs to have a fastening embedded in the wing structure. First an angled plate is made (ply bracket sanded to angle on the disk sander) which is glued to the underside of the wing.



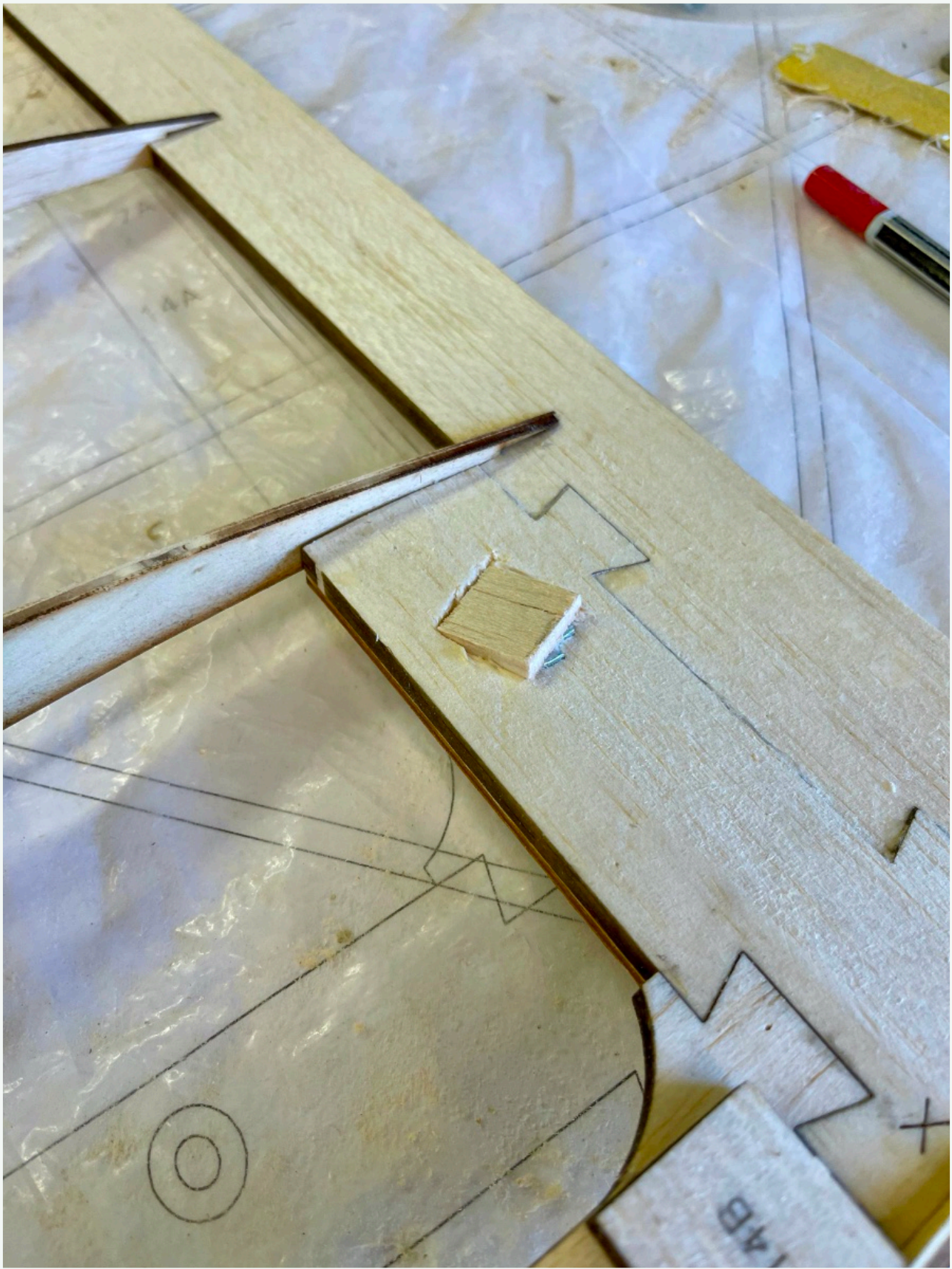


A hole is then drilled through following the angle of the bracket so that a T nut can be sunk into the top surface of the wing.





This is then plugged (sanding to come when dry).

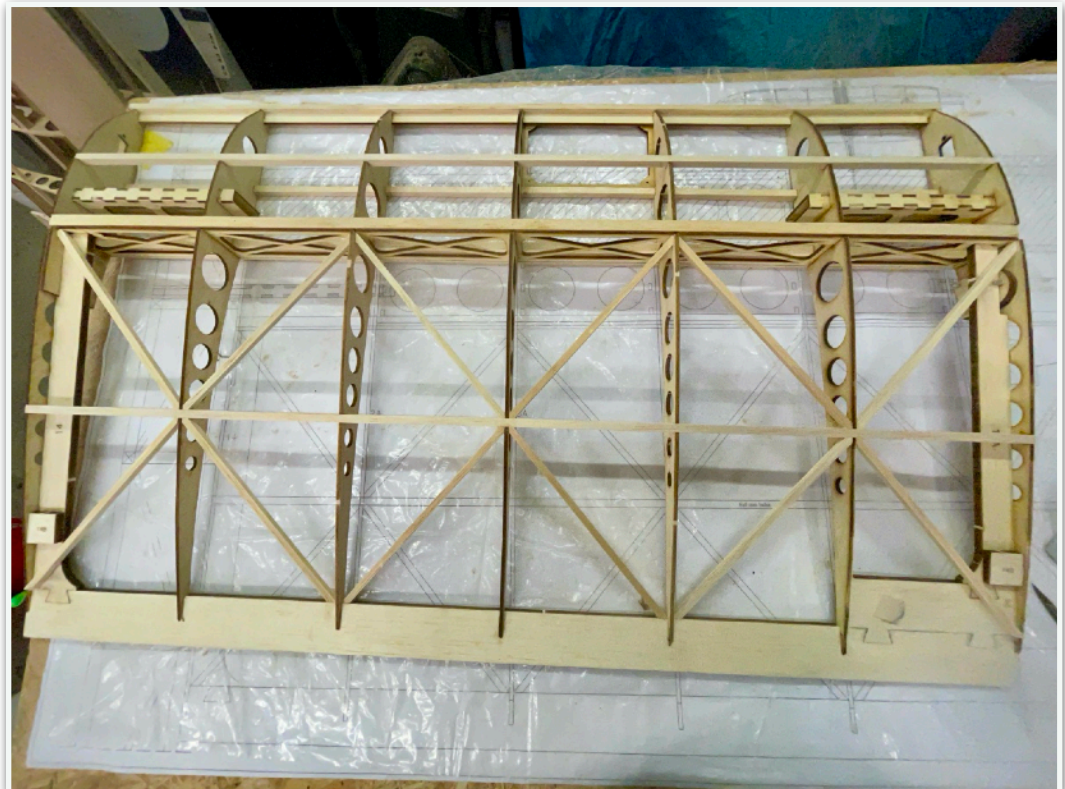




Ailerons were cut from the wing and the 2 piece TE added.



Then back to the inner wing sections for diagonal bracing with 5mm x 5mm balsa.





Quite pleased with the fit of the bracing (Mr Fenton would be pleased!).

