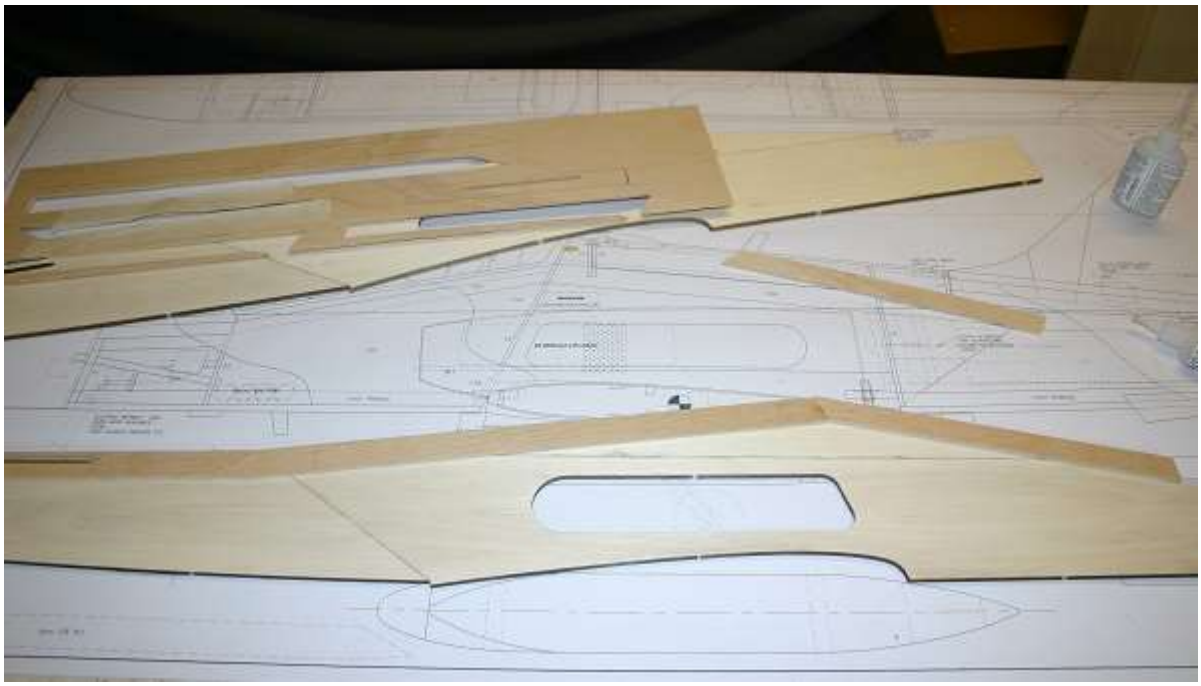
42” DUCTED FAN HAWK

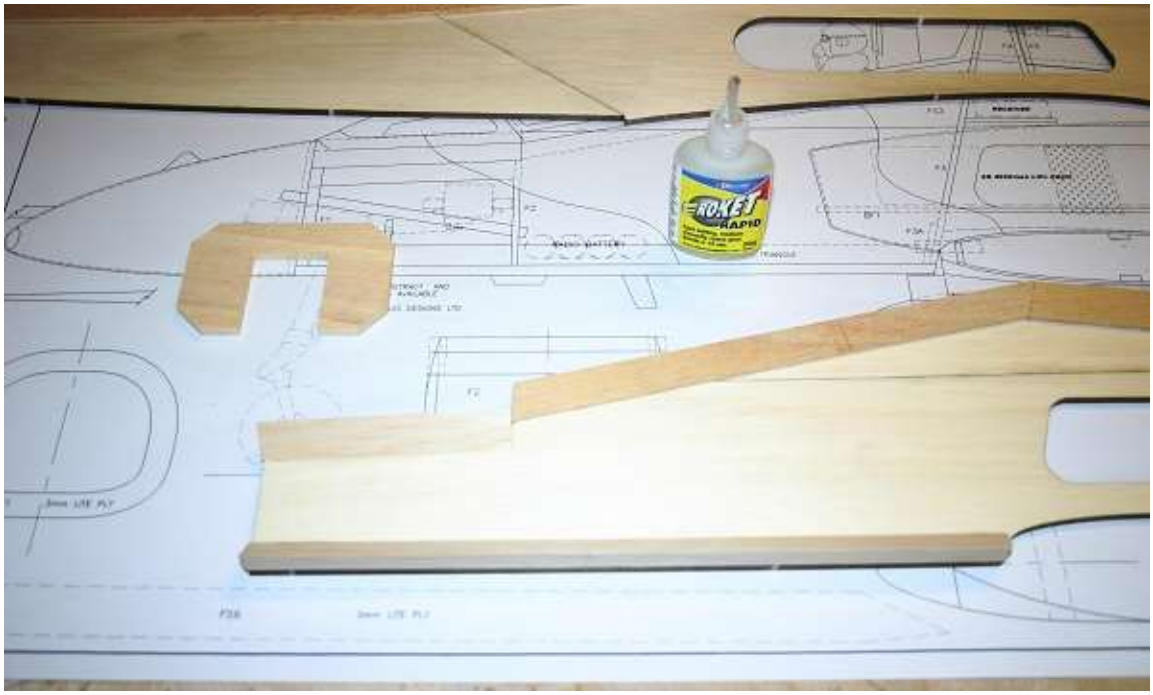
CONSTRUCTION PHOTOS

FUSELAGE

Sort the three main fuselage pieces and glue to form a left & right hand side

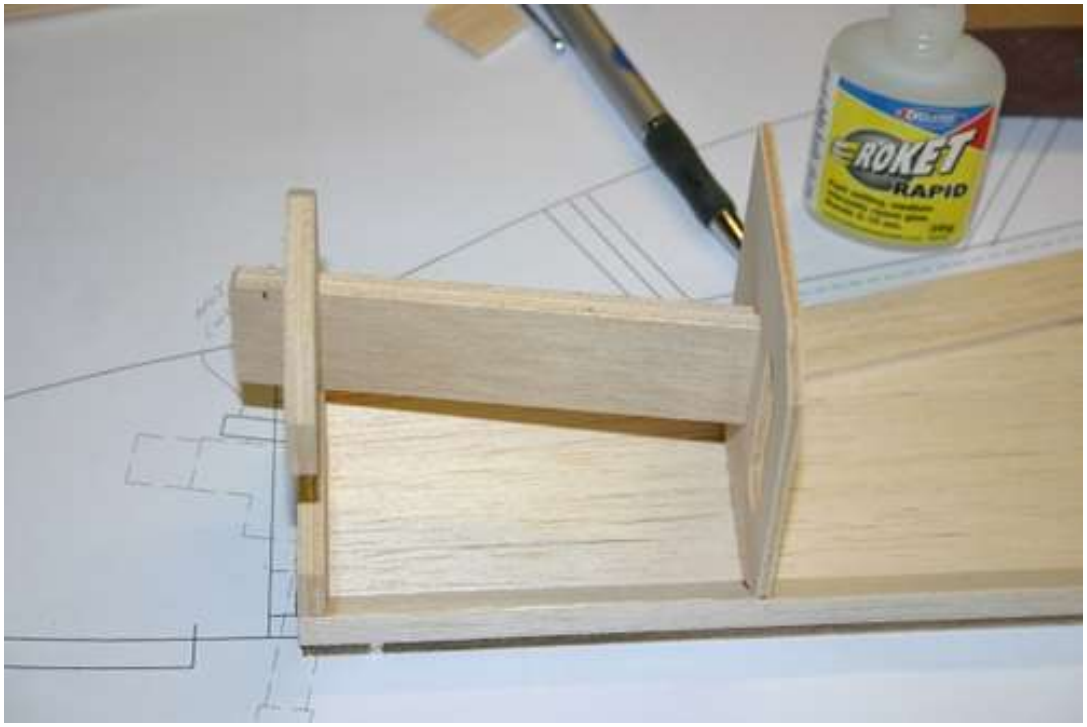


Line the internal top edge with FS4, 5 & 6

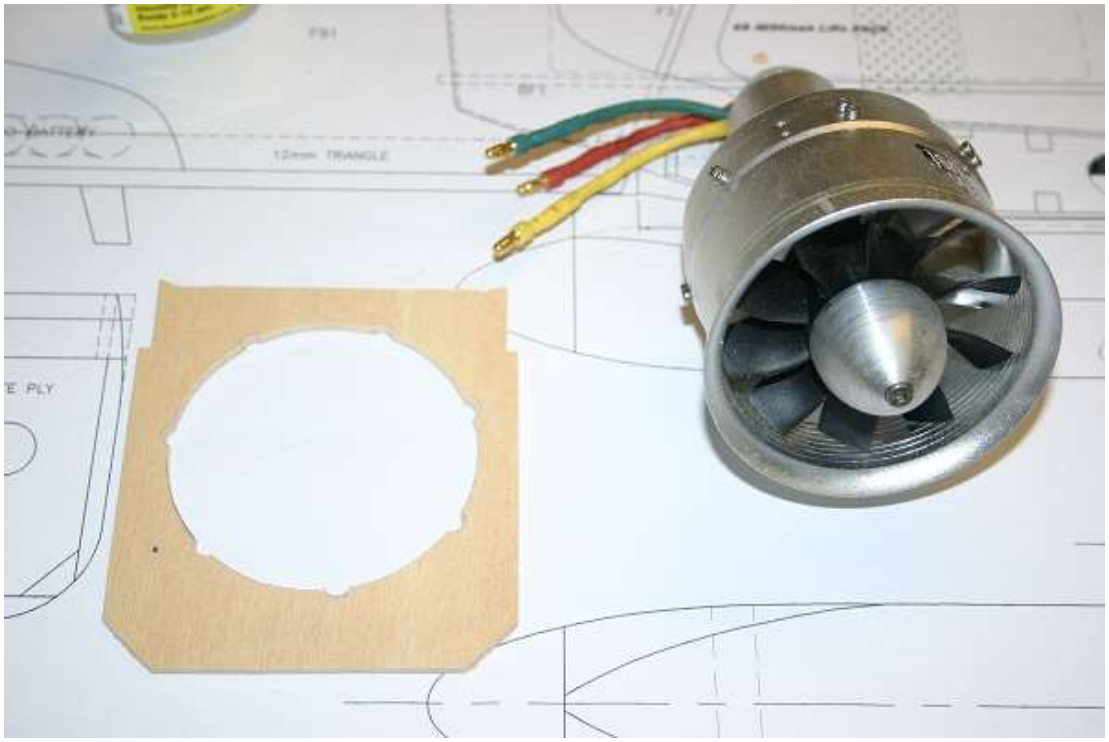


Trim & fit the 12mm triangle

Add formers F1, 2 & 3

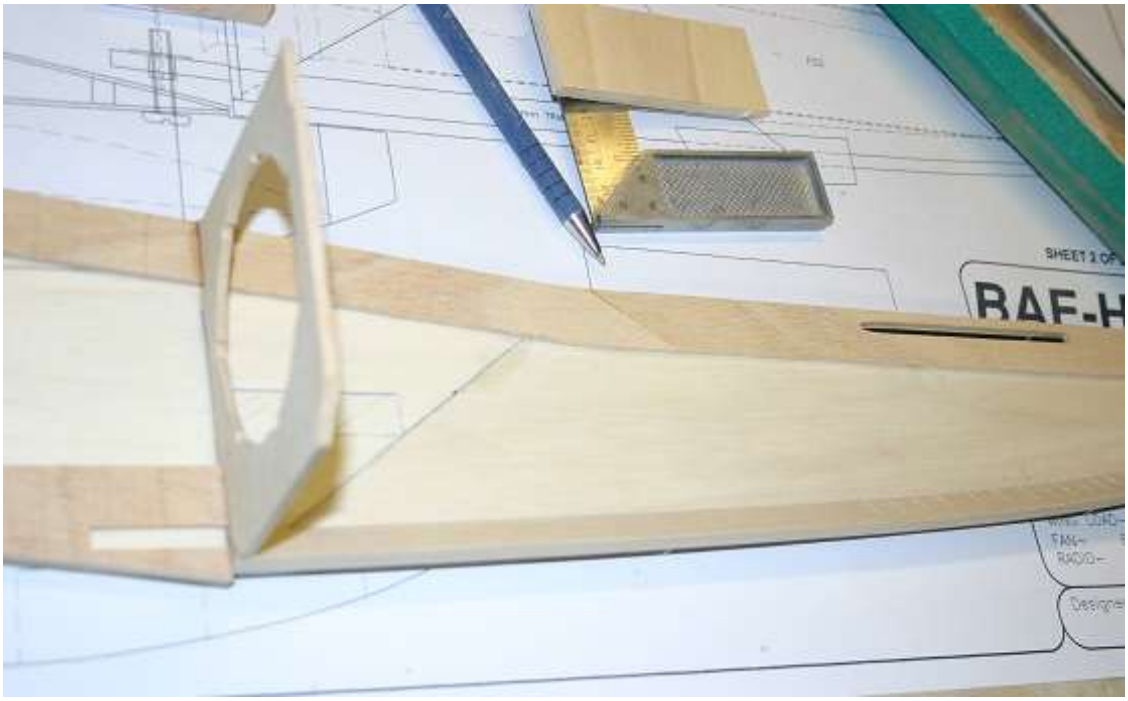


Fit the nose retract plate RP1

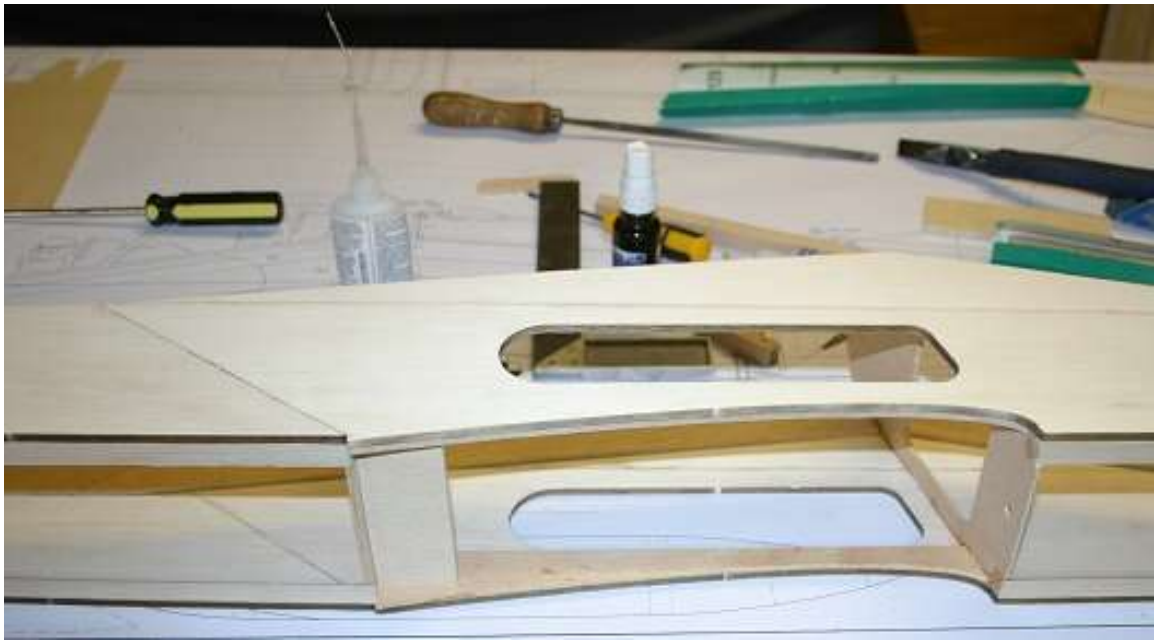


Test fit your choice of fan unit in F6

To make fitment easier drill the mounting holes in the fan bearers before fitting

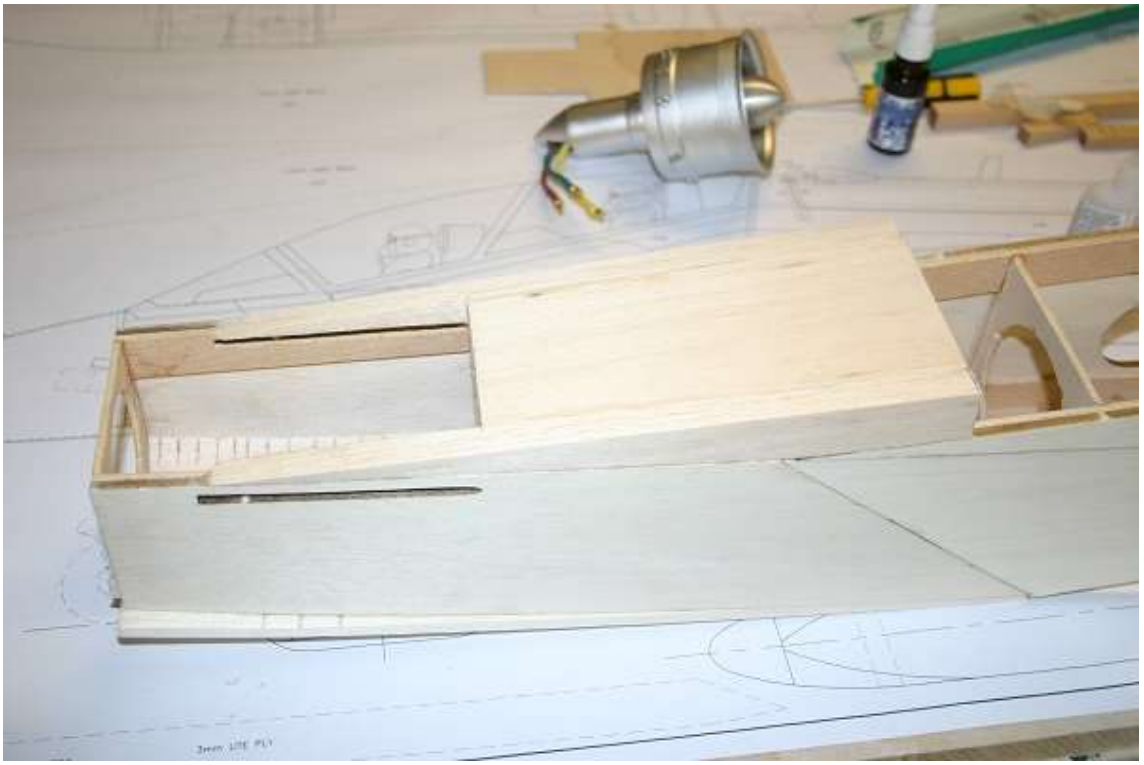


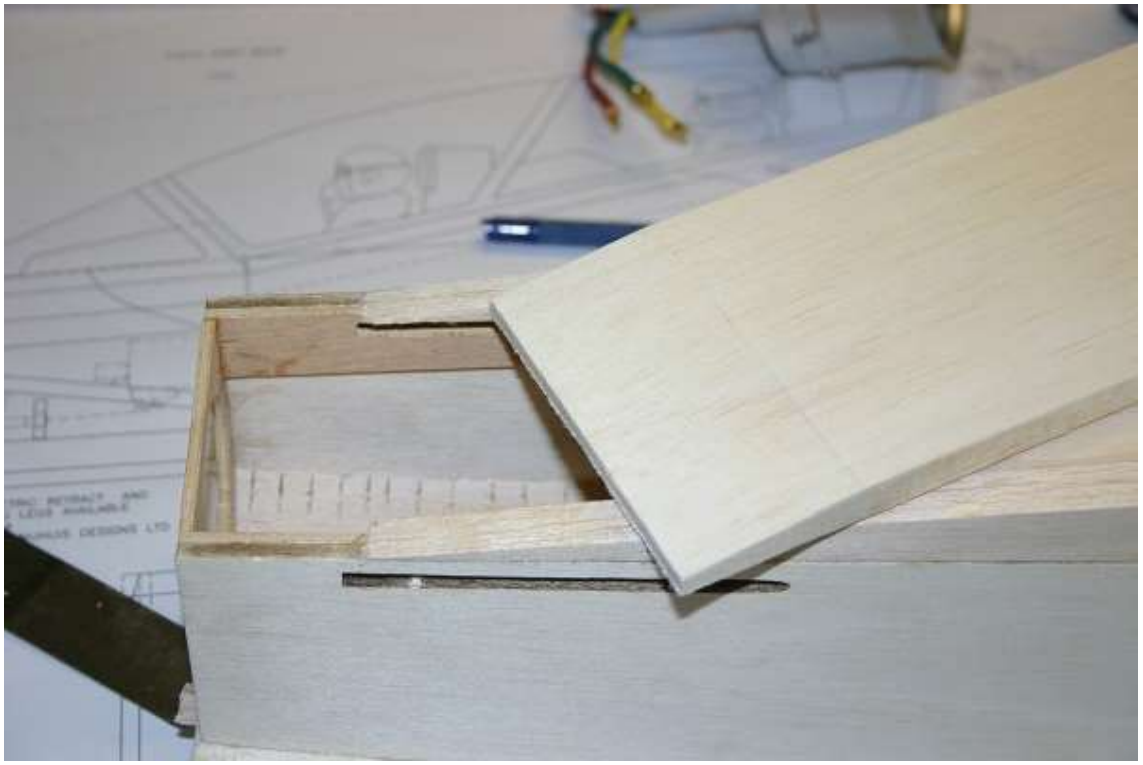
Fit F6 & mark the location of the fuselage sides

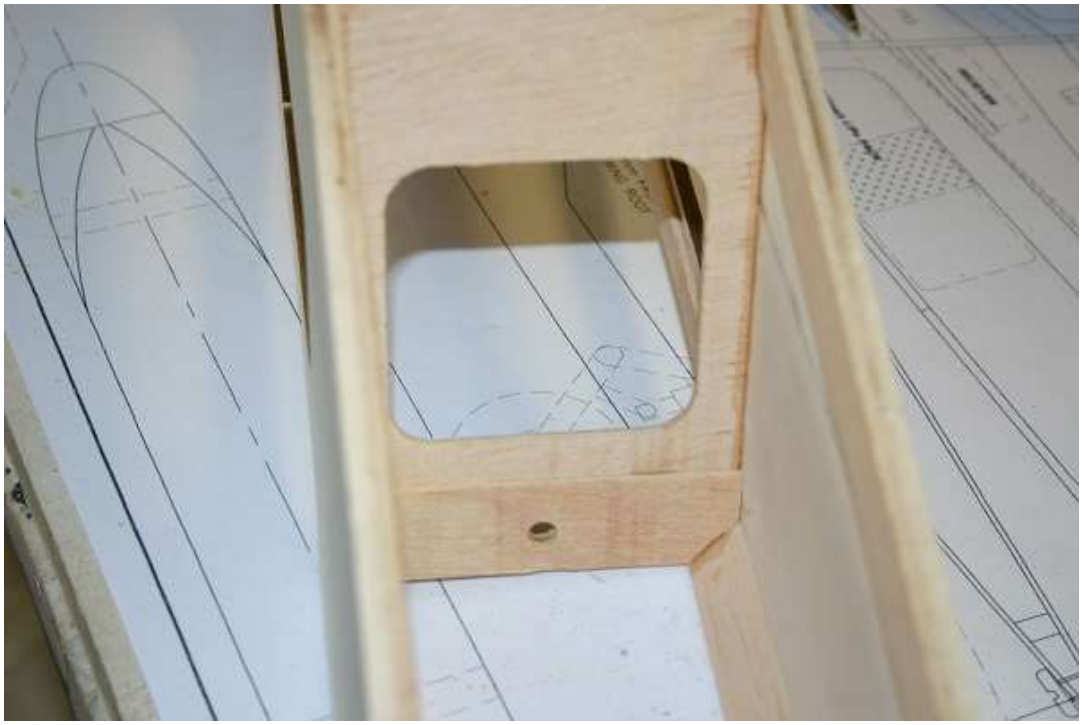


Fit both WS1, then WP1 and finally the other fuselage side

Cut out & fit FS7 from 12mm balsa

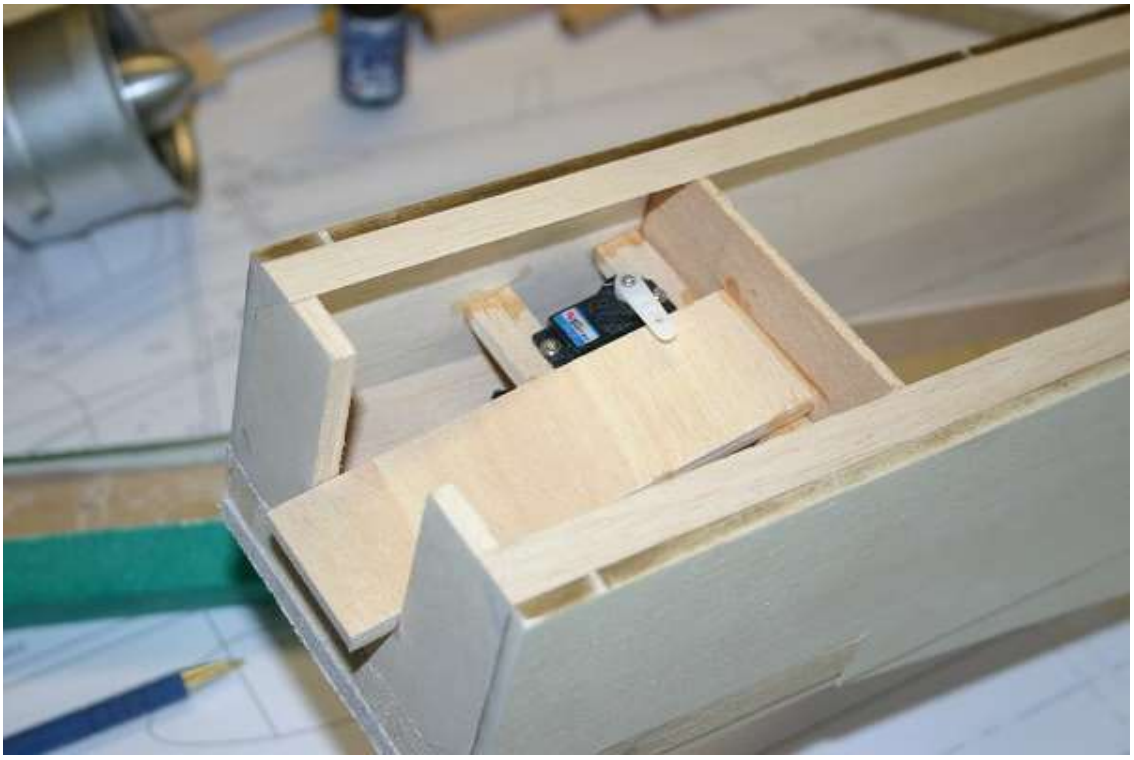




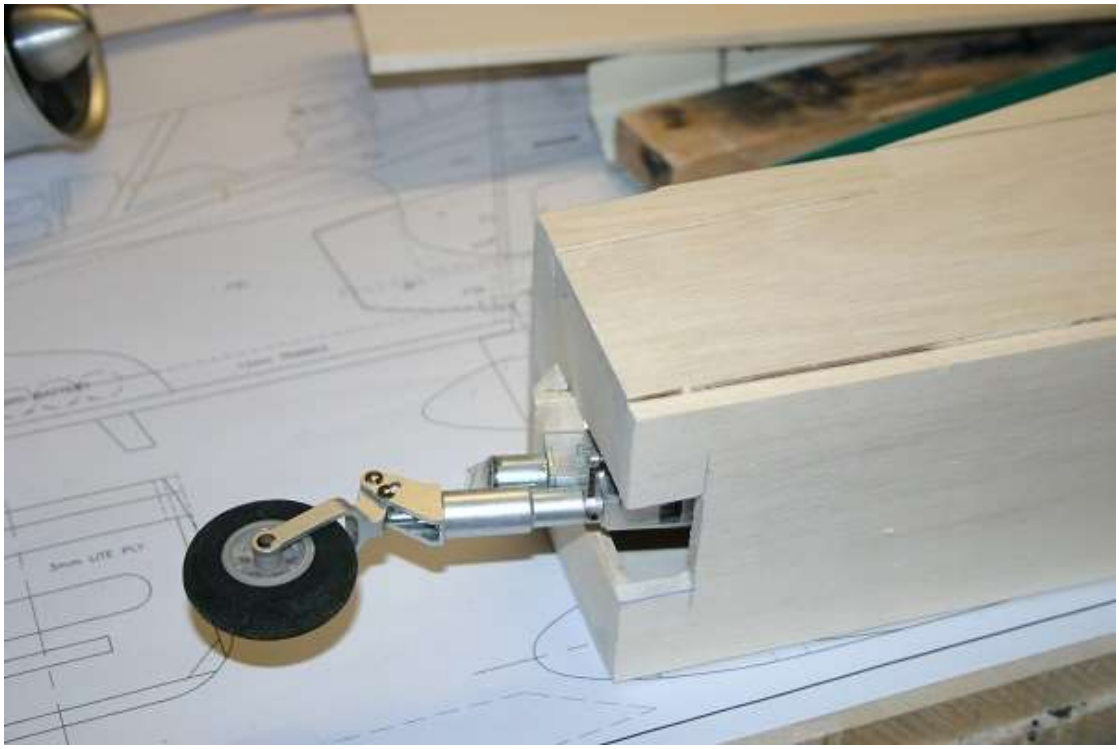


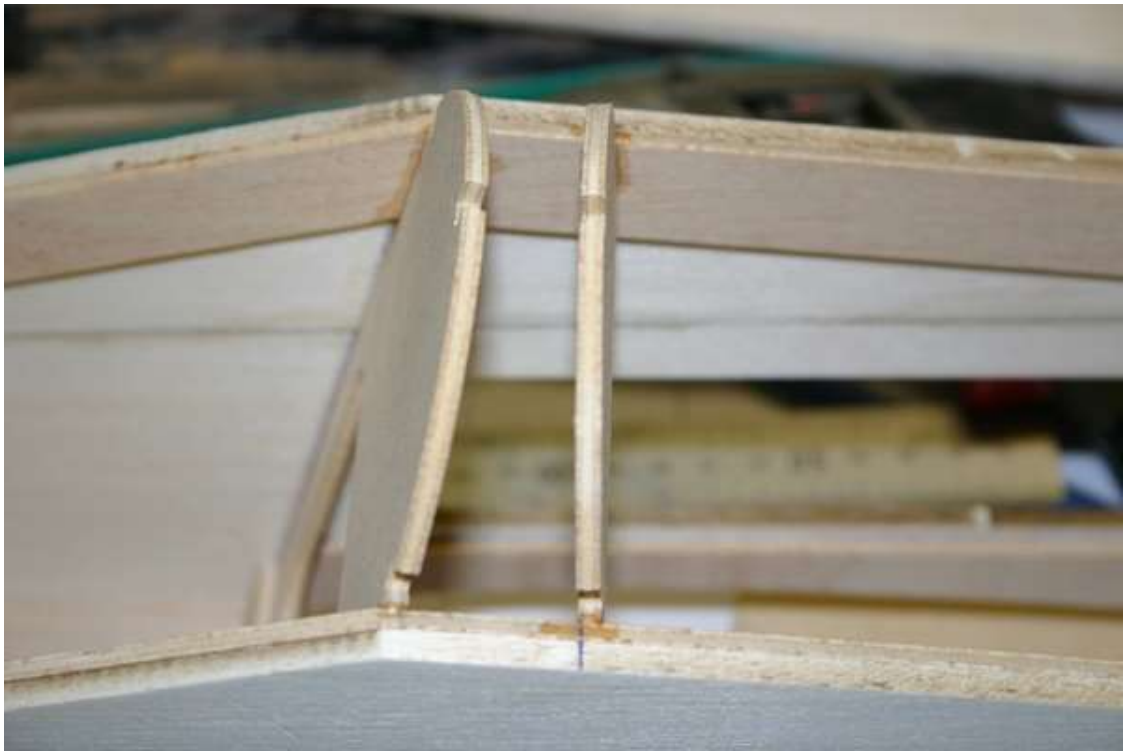
Fit F3A

Fit top sheeting



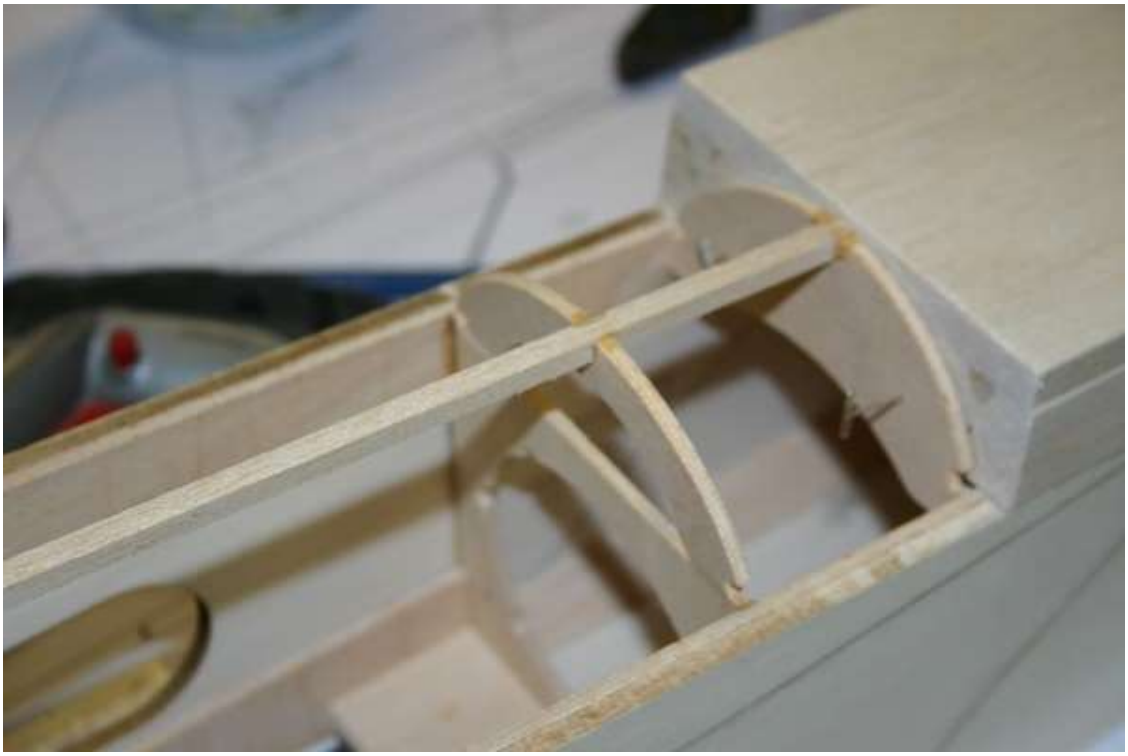
If retracts are fitted, install steerable nose wheel servo (micro 1kg)





Fit F4

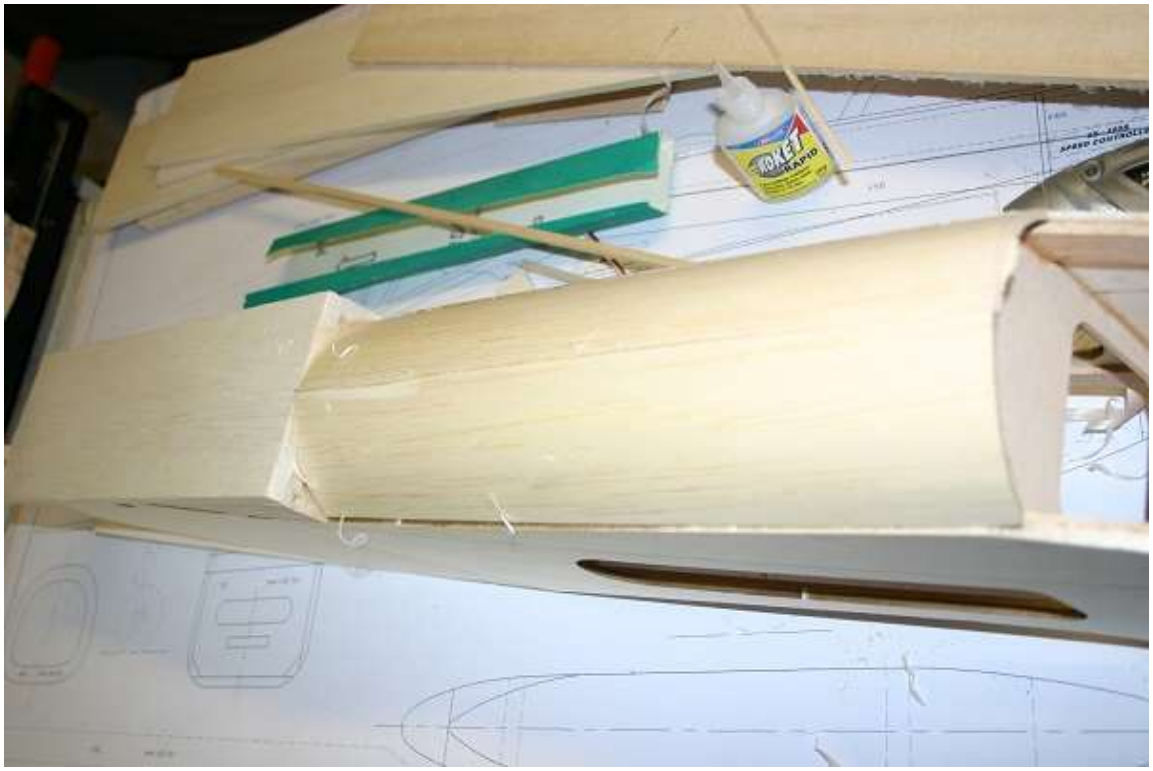
Pin F7 into position

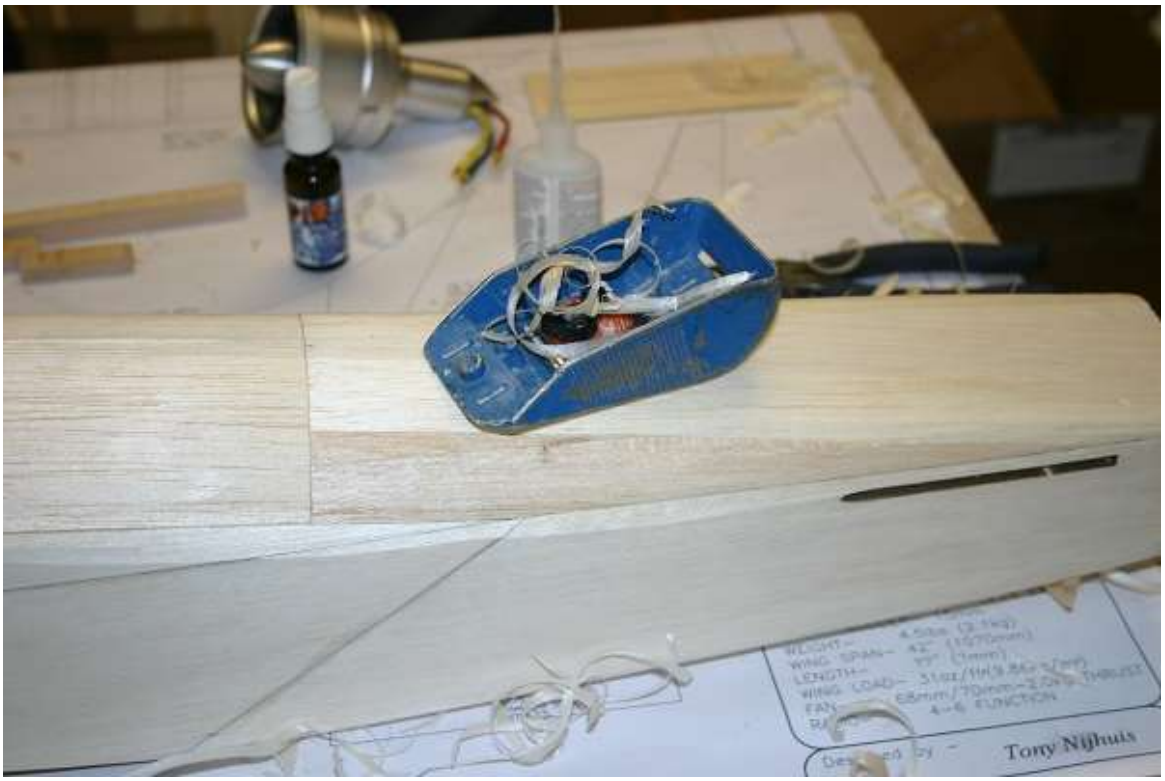


Add F6A & F5 and top longeron. Note; only tack glue F6A to F6 and only pin F5 to F4

Add side longerons

Roll wetted sheet between F3 & F7



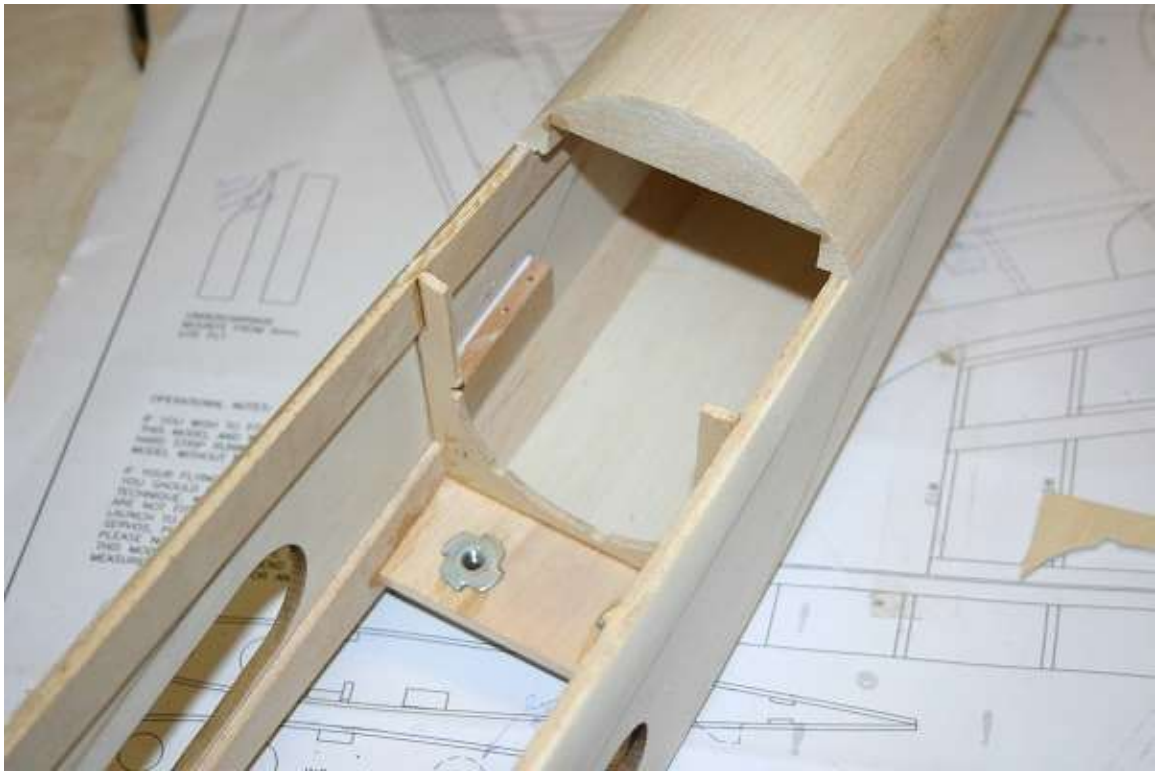


Shape the rear fuselage using a razor plane

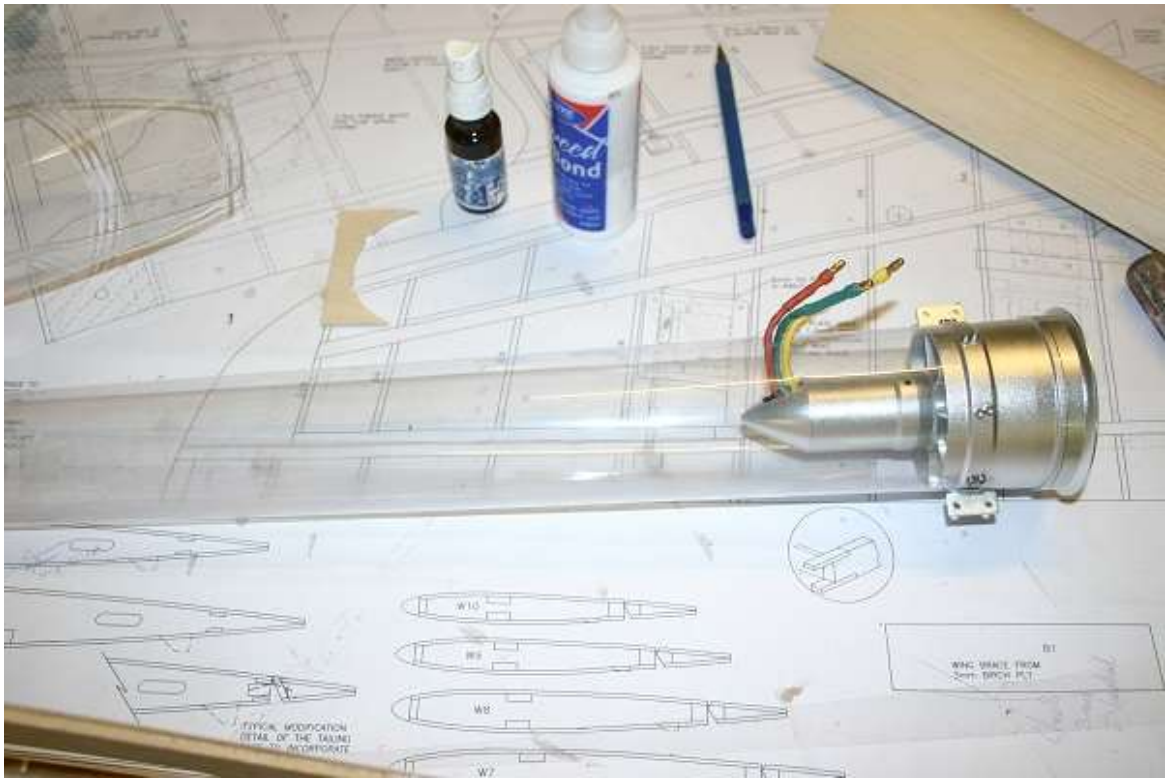
Mark the position of the fin slot

Cut and remove the access hatch. Remember to remove the securing pins from inside the model

Shape and test fit the tailplane



Now glue the fan bearers into position. To fit the fan, the easiest way is to remove the top part of F6

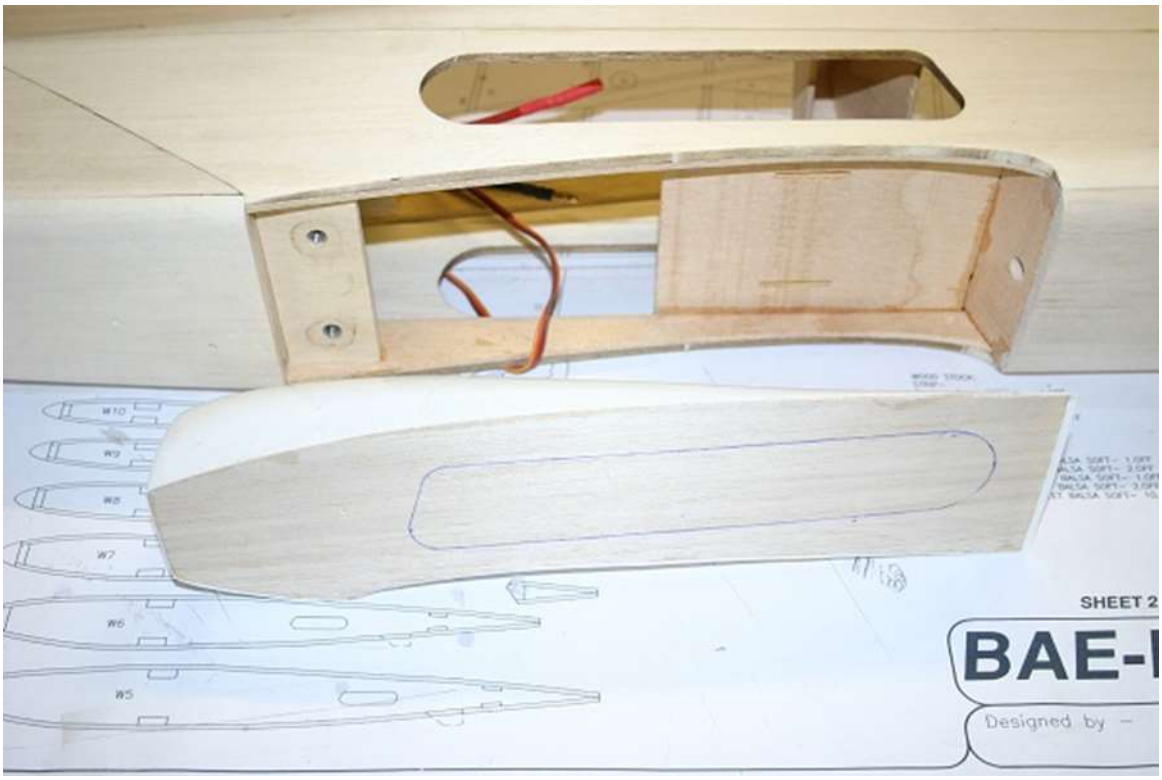


Make up the thrust tube from 140-180micro thick acetate (A3 sheet) and tape along the seam

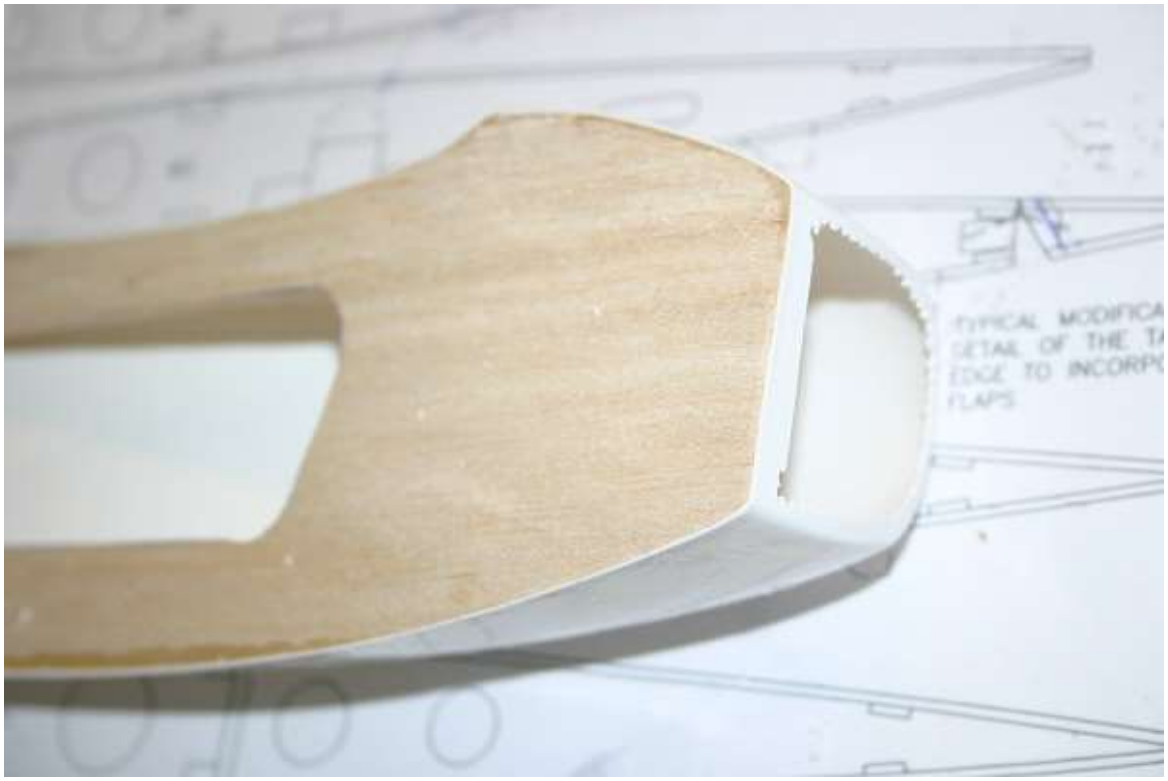
Trim the VAC nose cone, fit NR1 and glue into position.

Cut an opening to allow the retract to exit and feather the fuselage side into the nose cone to form a smooth flowing curve

Using the template on the plan, cut out the duct support



Trim the VAC formed air intakes and fit the internal duct support



Carefully open up the intake ring

Add a little cockpit detail

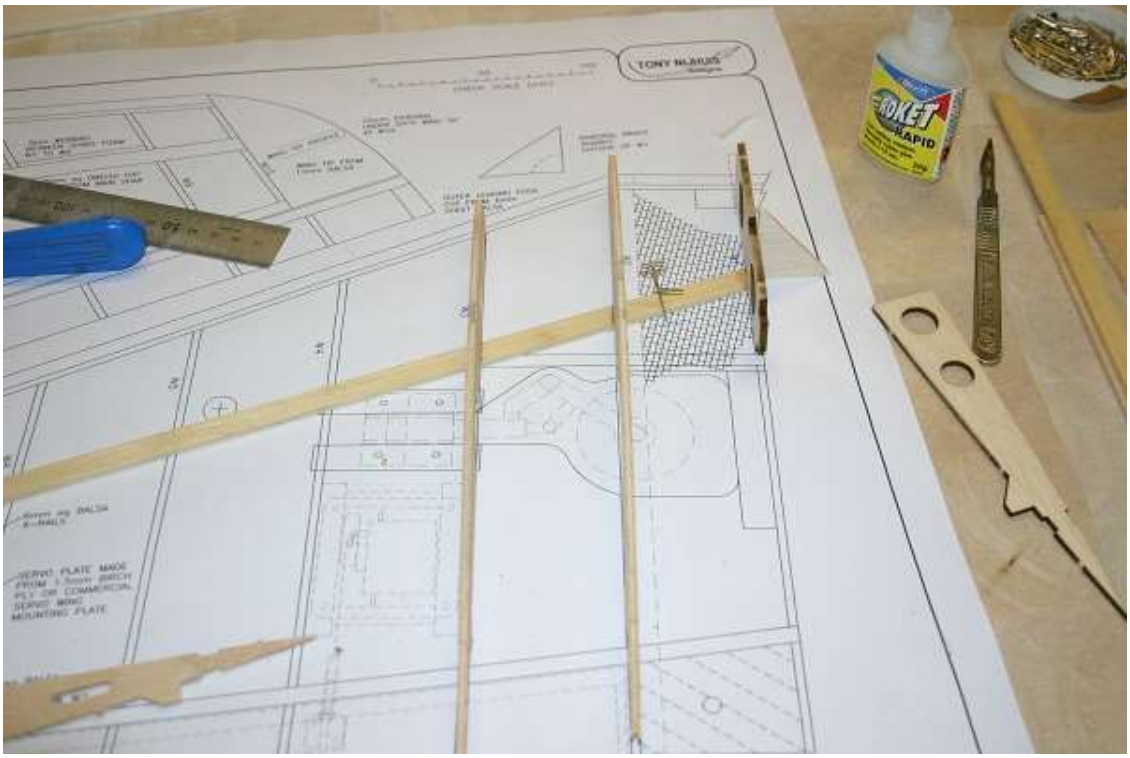
1/9th Scale Jet pilots

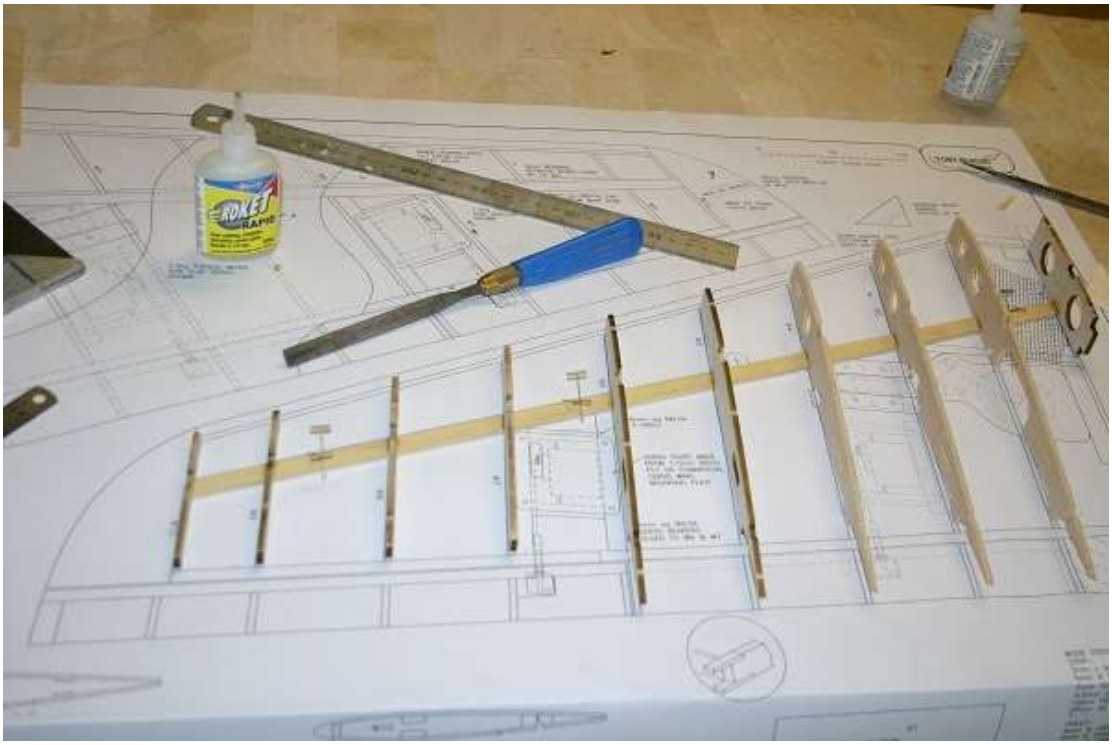
External fuel tank shaped from 12mm sandwich

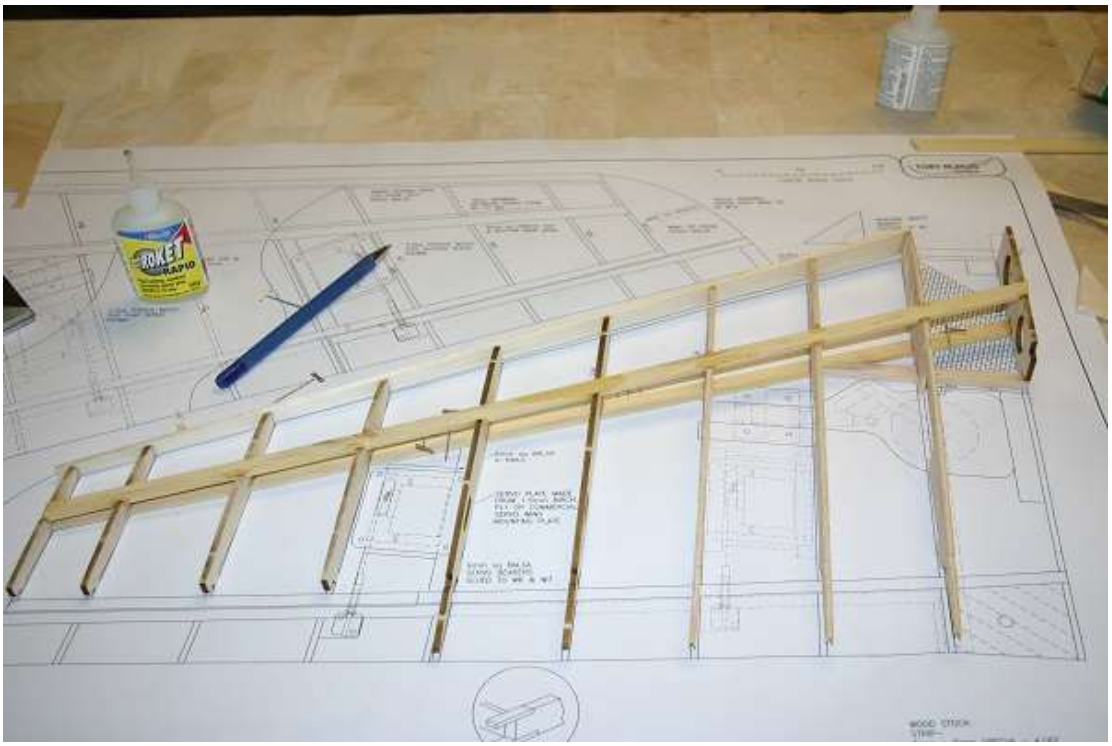
Model Lite

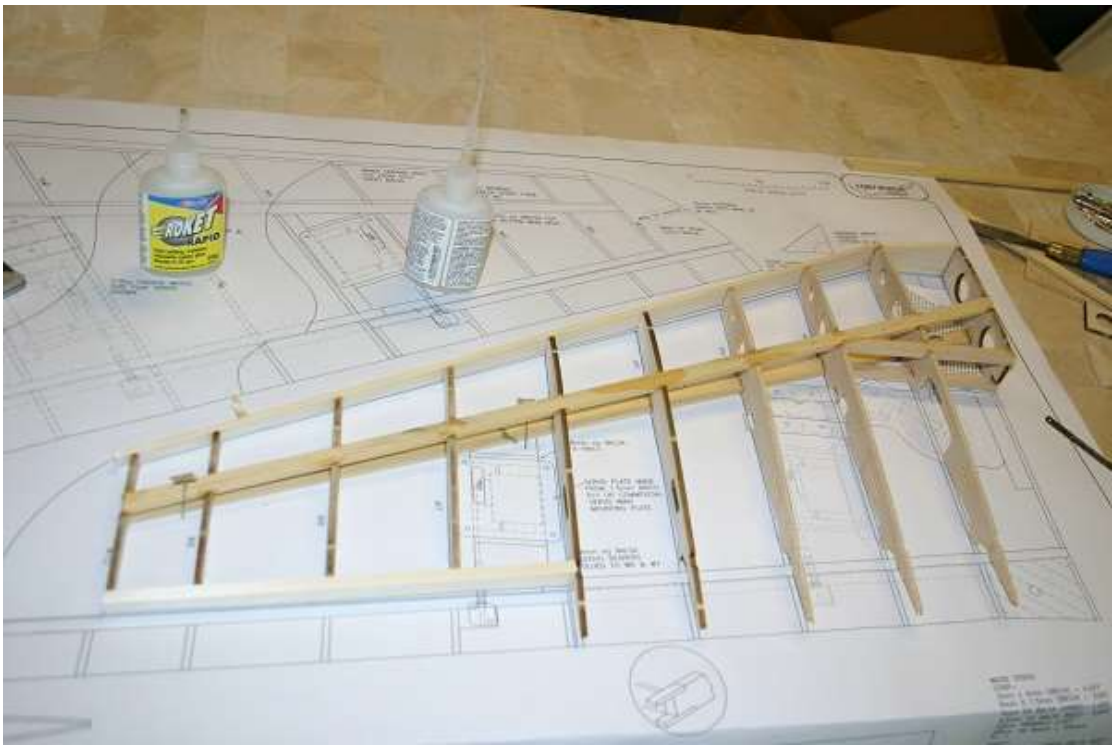
Wings

Left hand wing






ROKET
RAPID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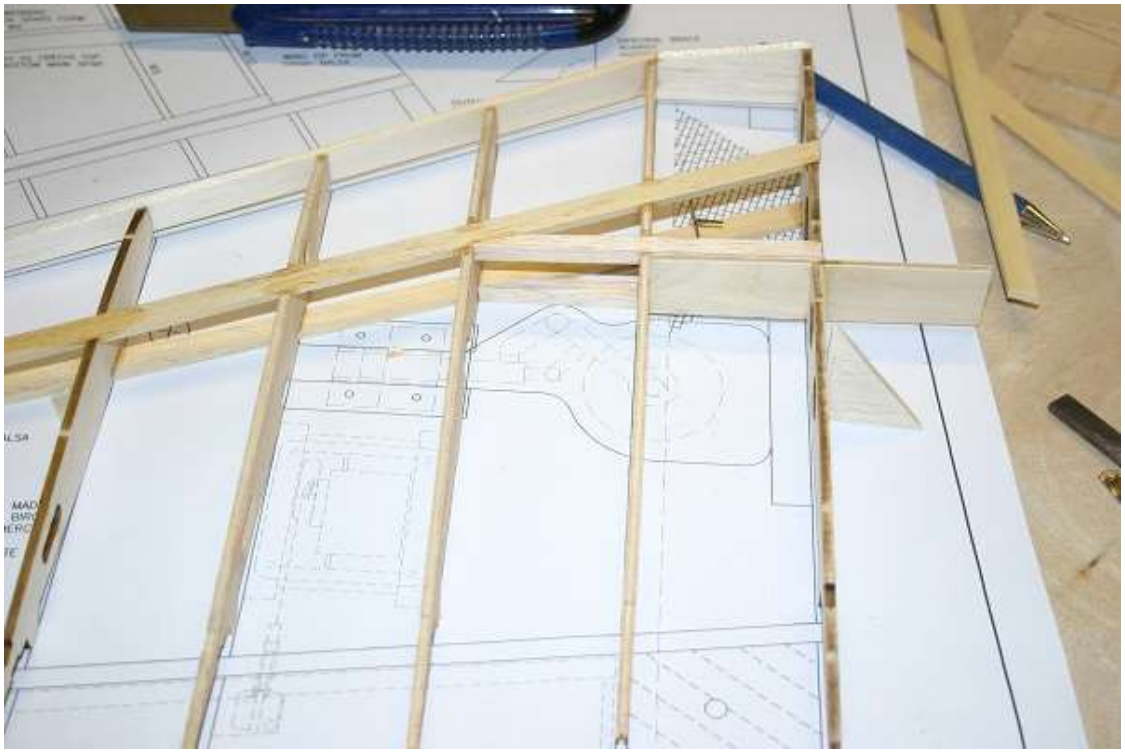
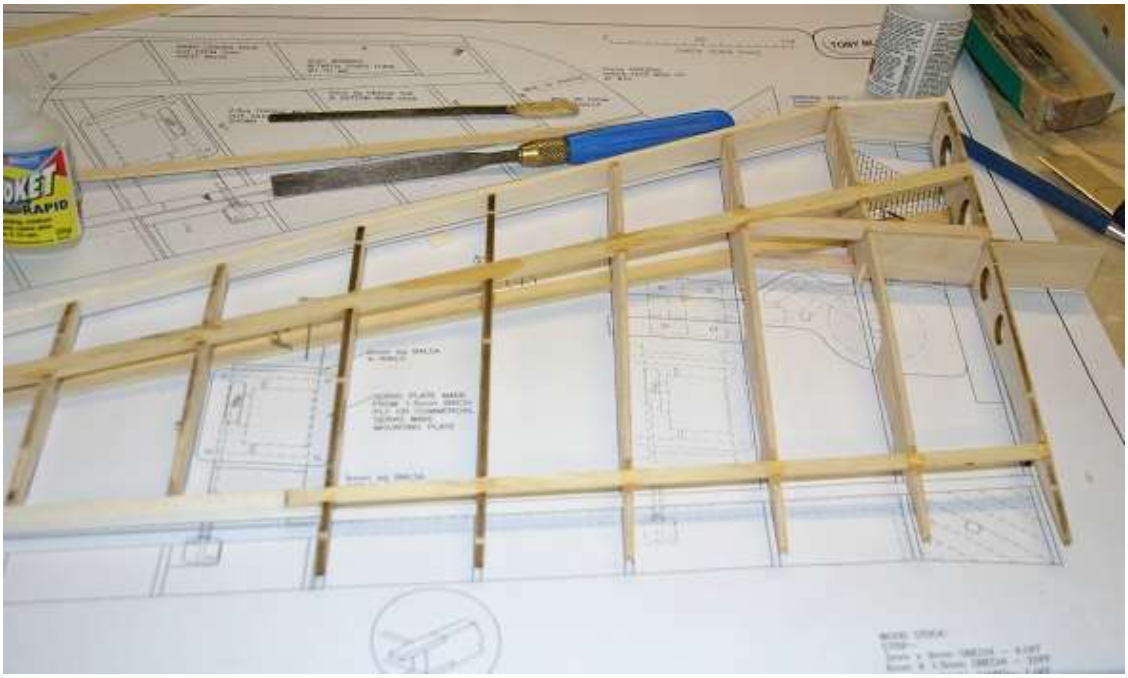
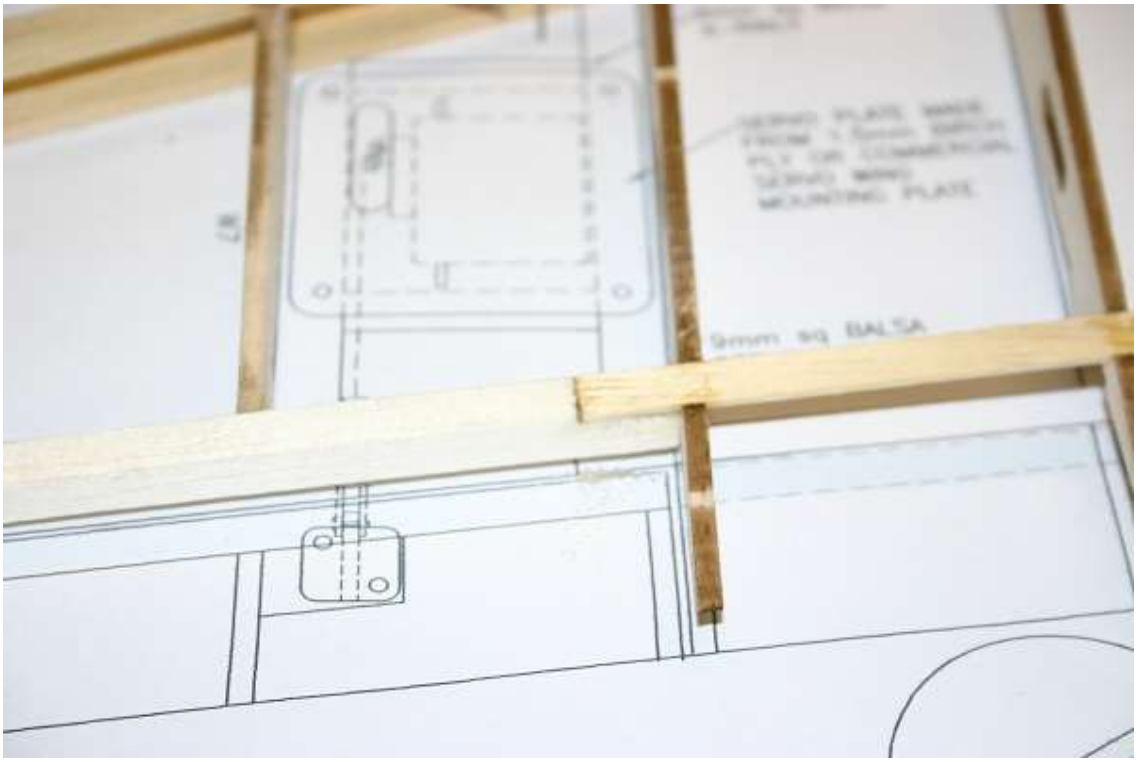
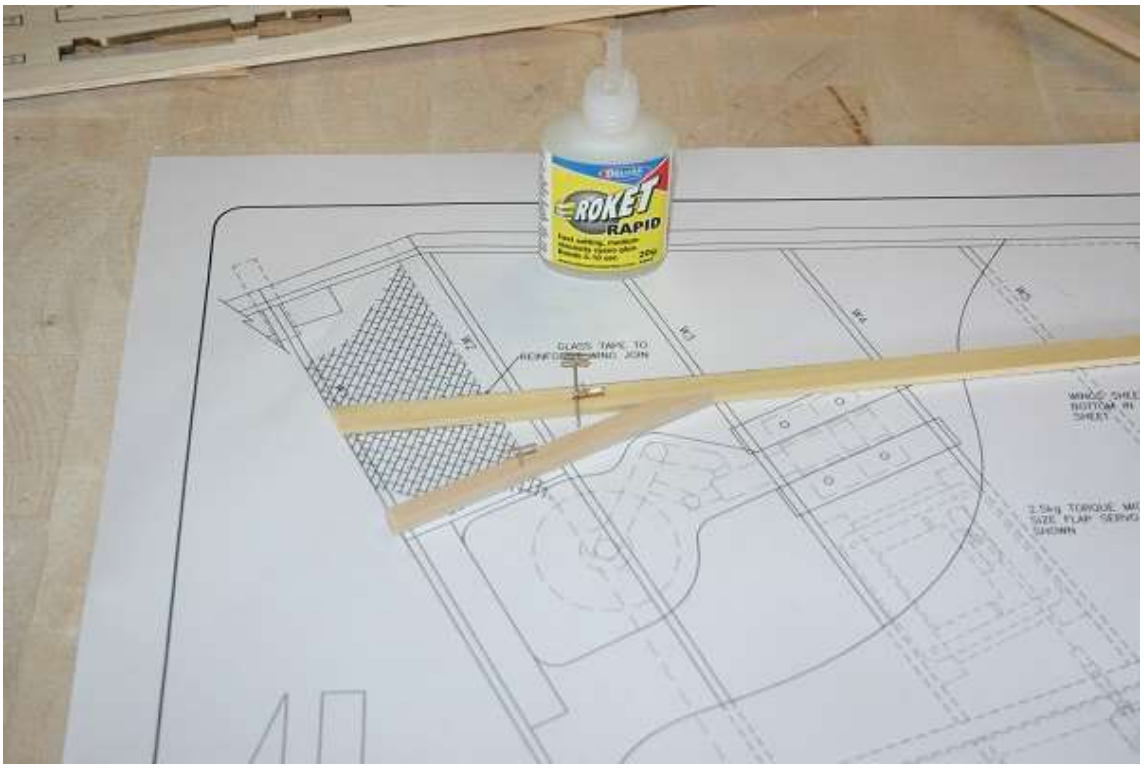


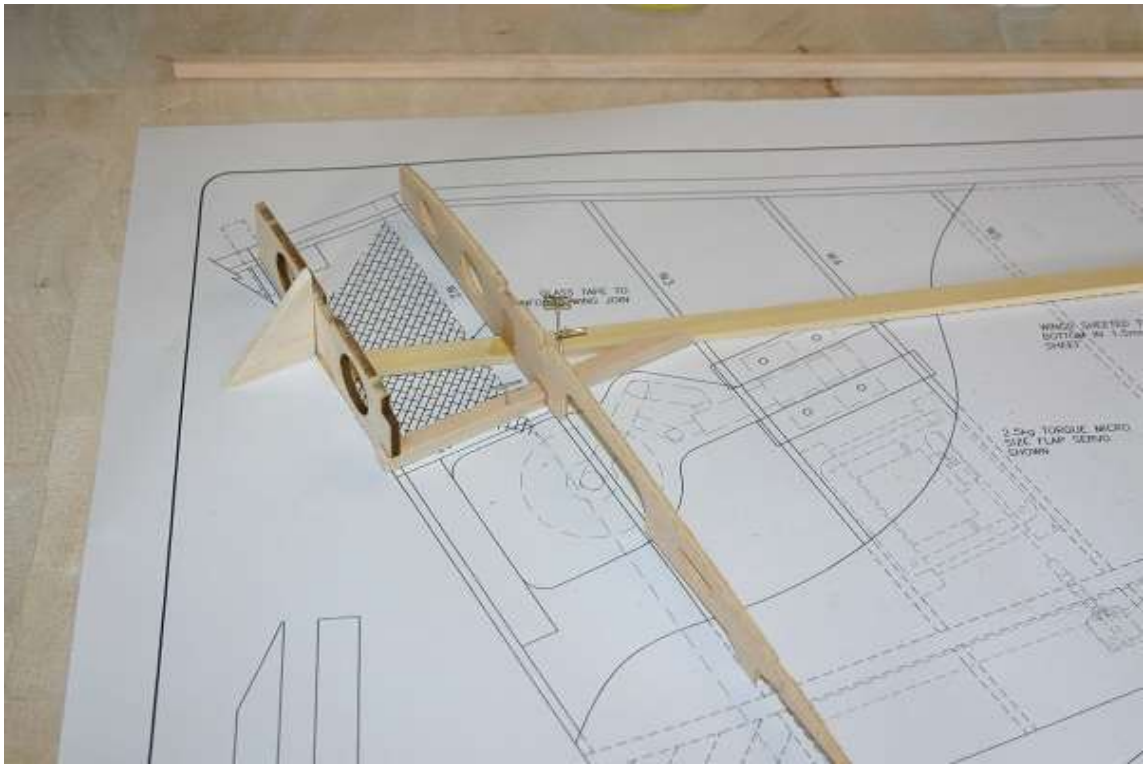


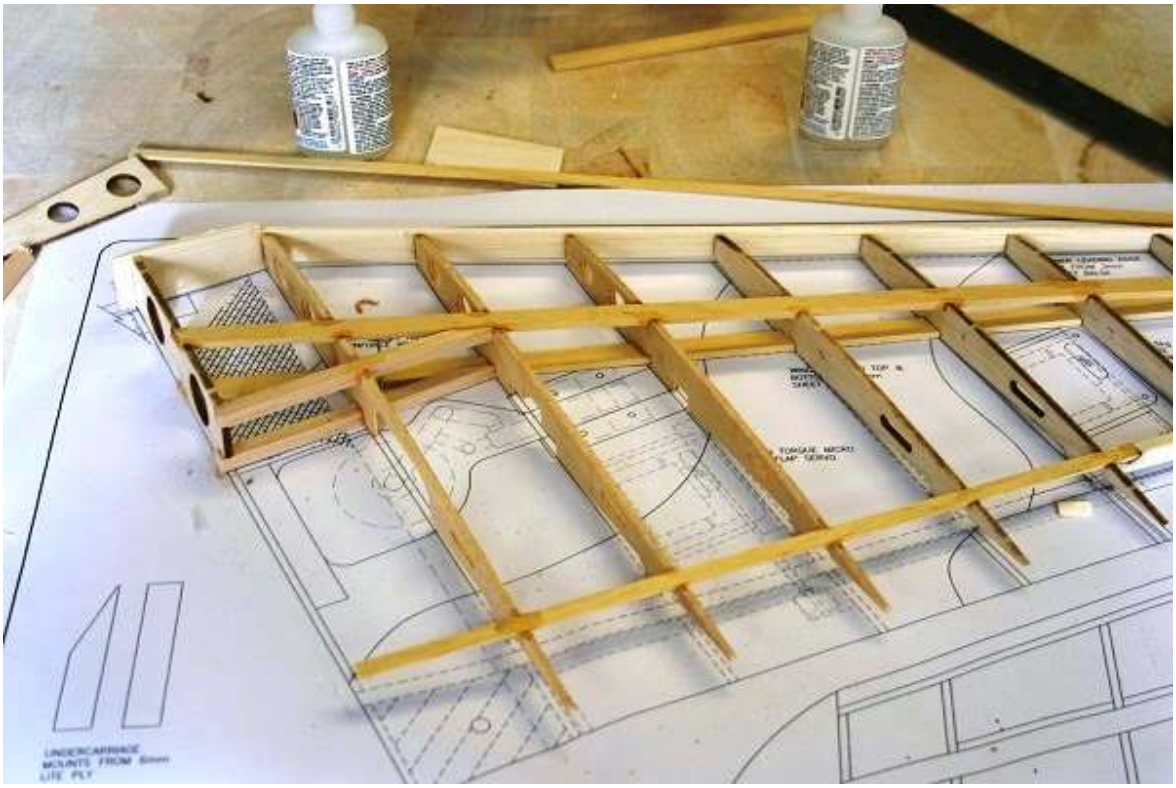

9mm sq BALSA

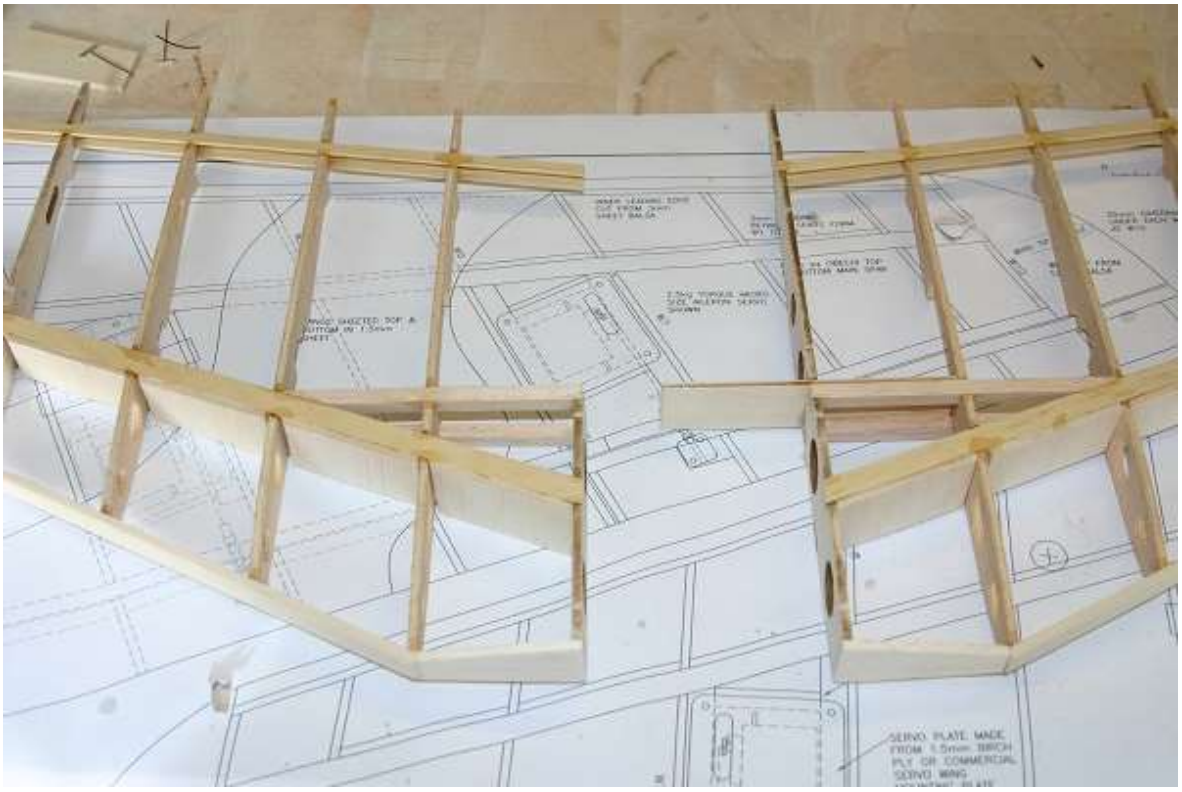
B1
WING BRACE FROM
3mm BIRCH PLY

Right hand wing

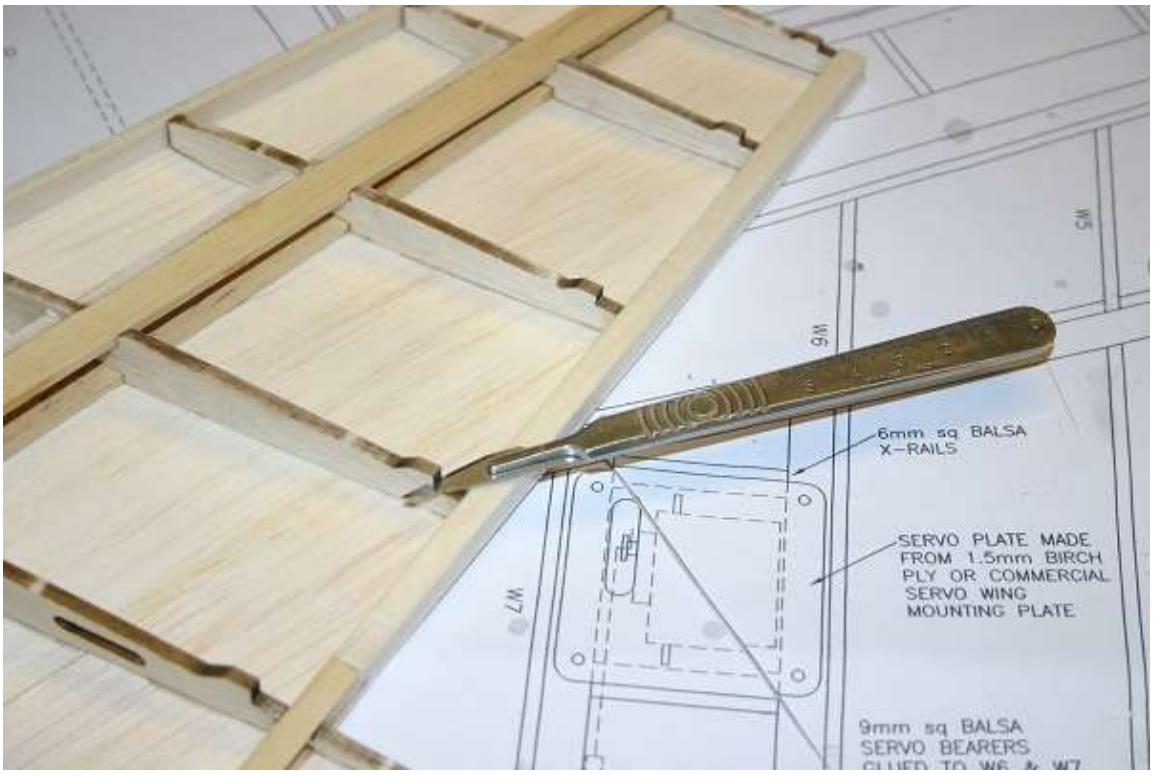




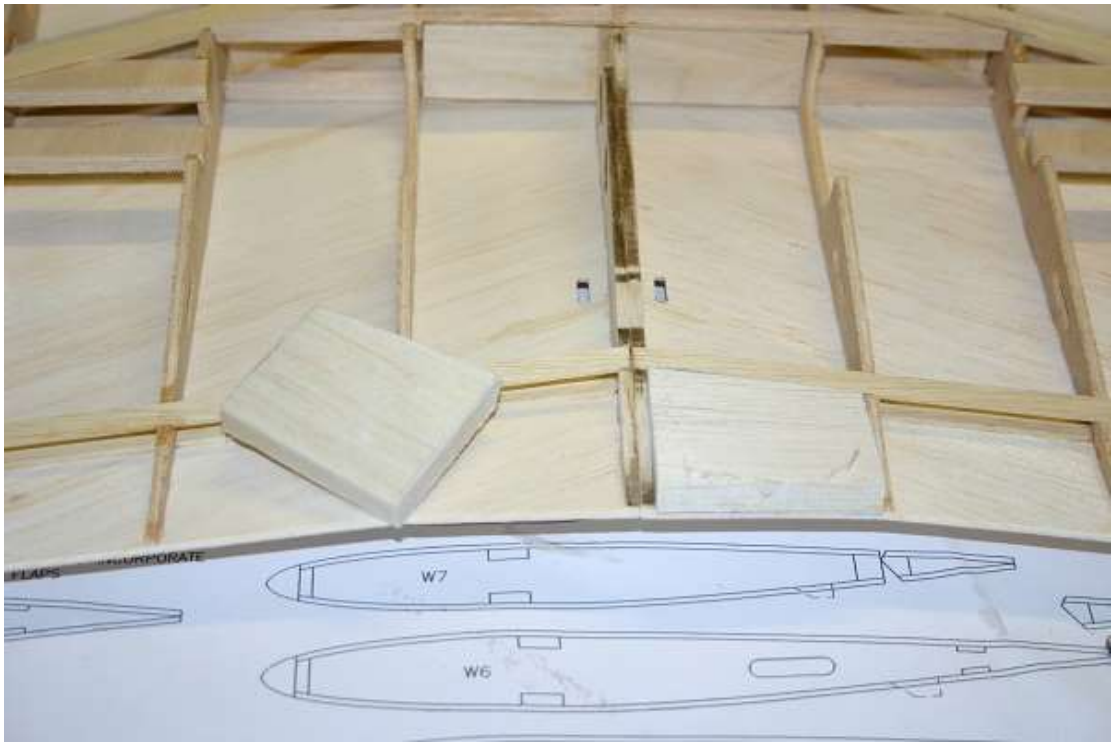




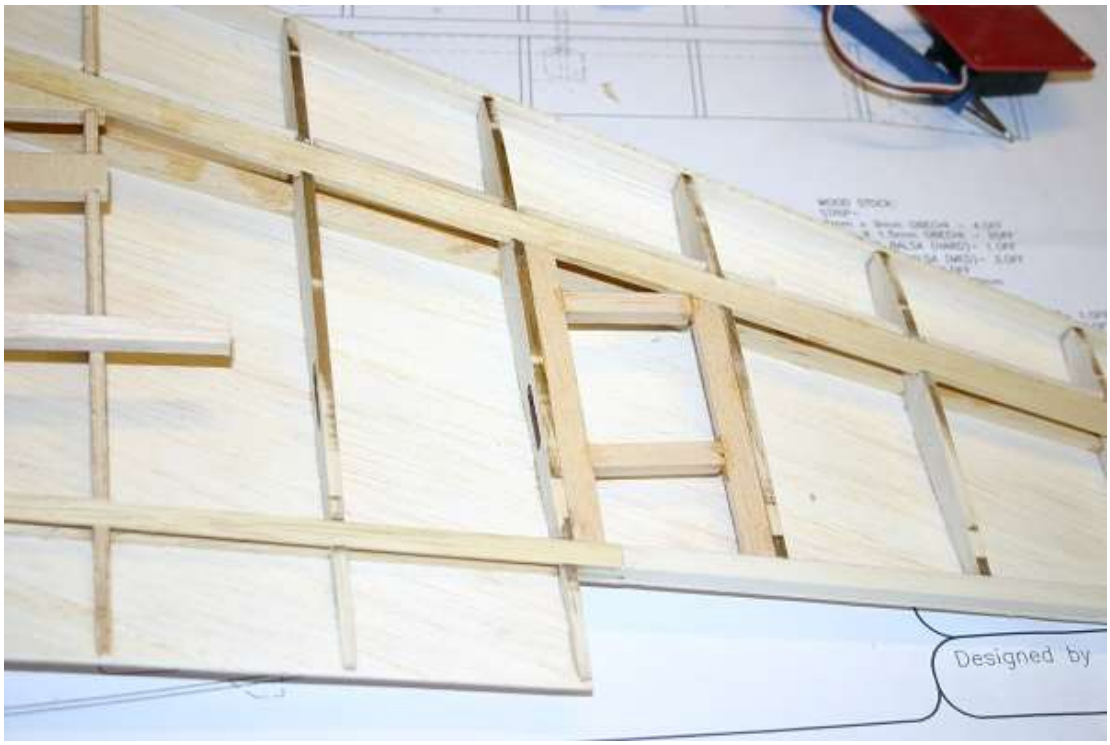
Sheet the top wing panels first



Remove the jig tabs



Wing bolt reinforcement block

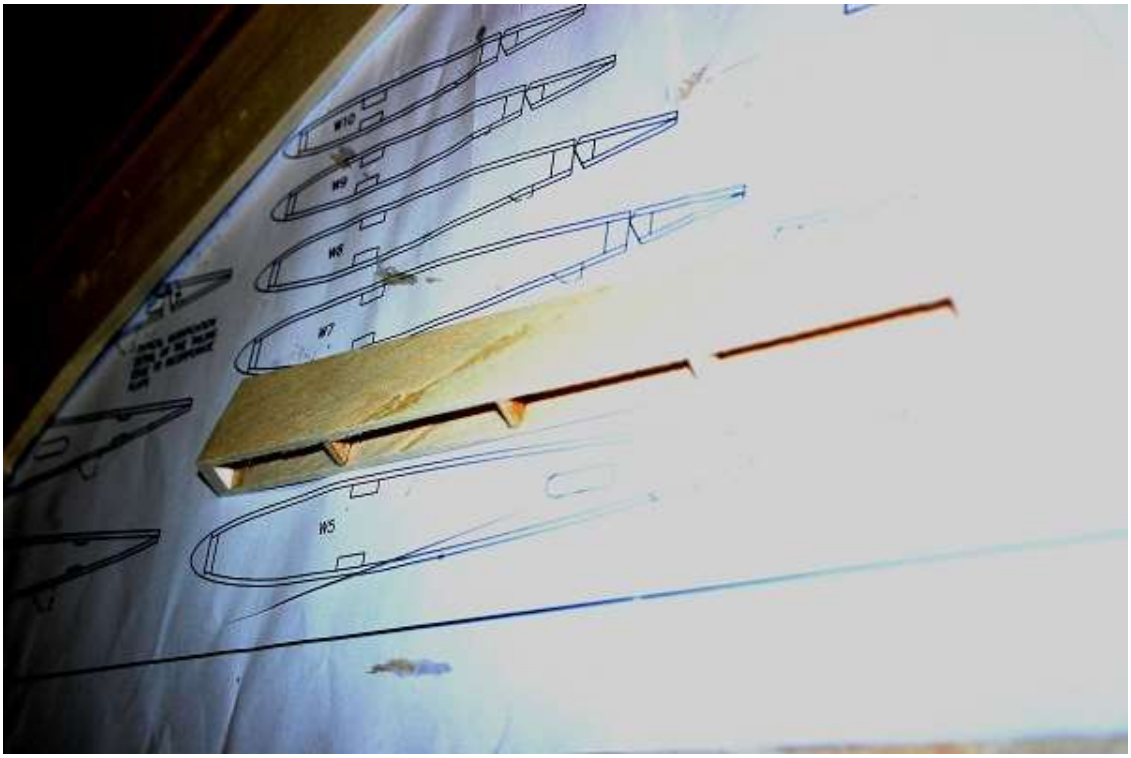


Framework for aileron plate

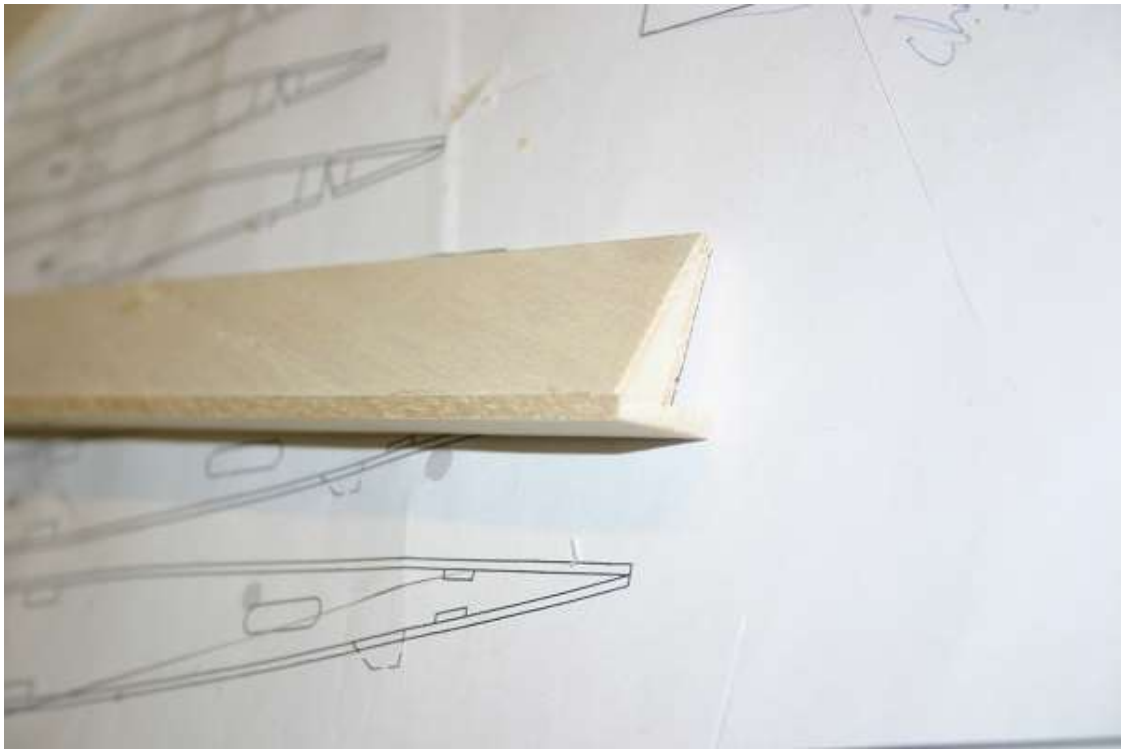
Aileron & flap support framework

Install all the wiring then full sheet the wing underside

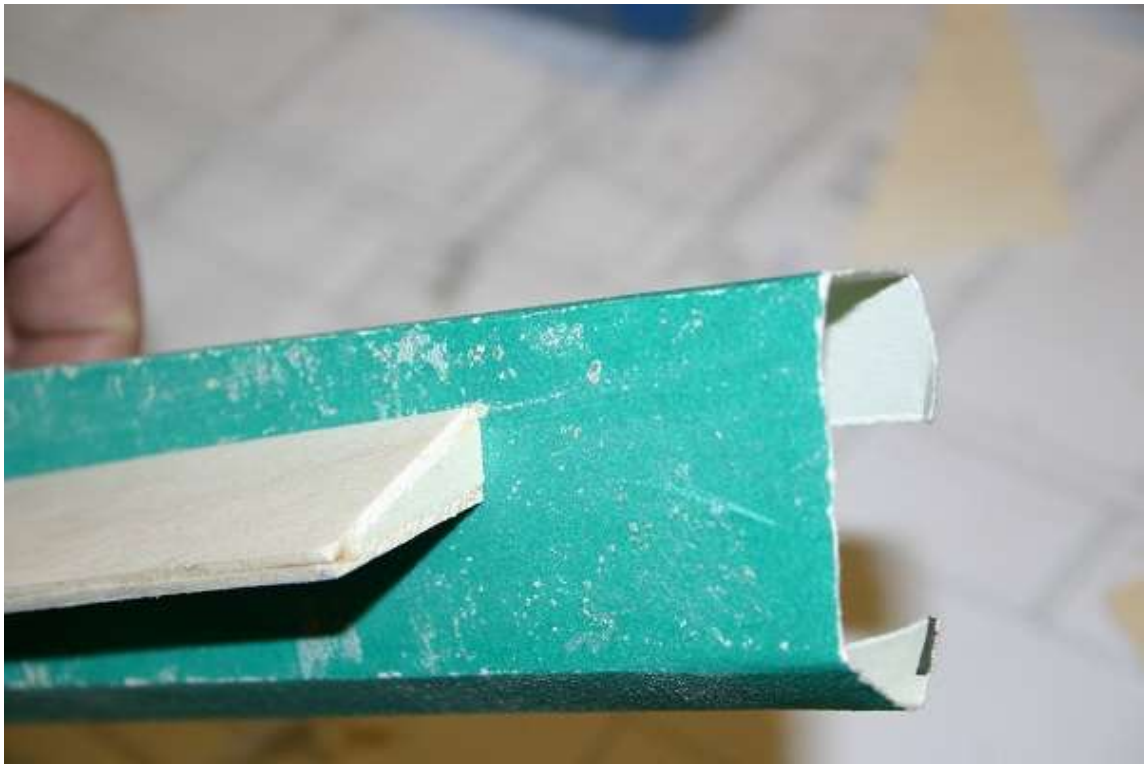
If you decide to fit flaps, now in the time to cut them away from the wing



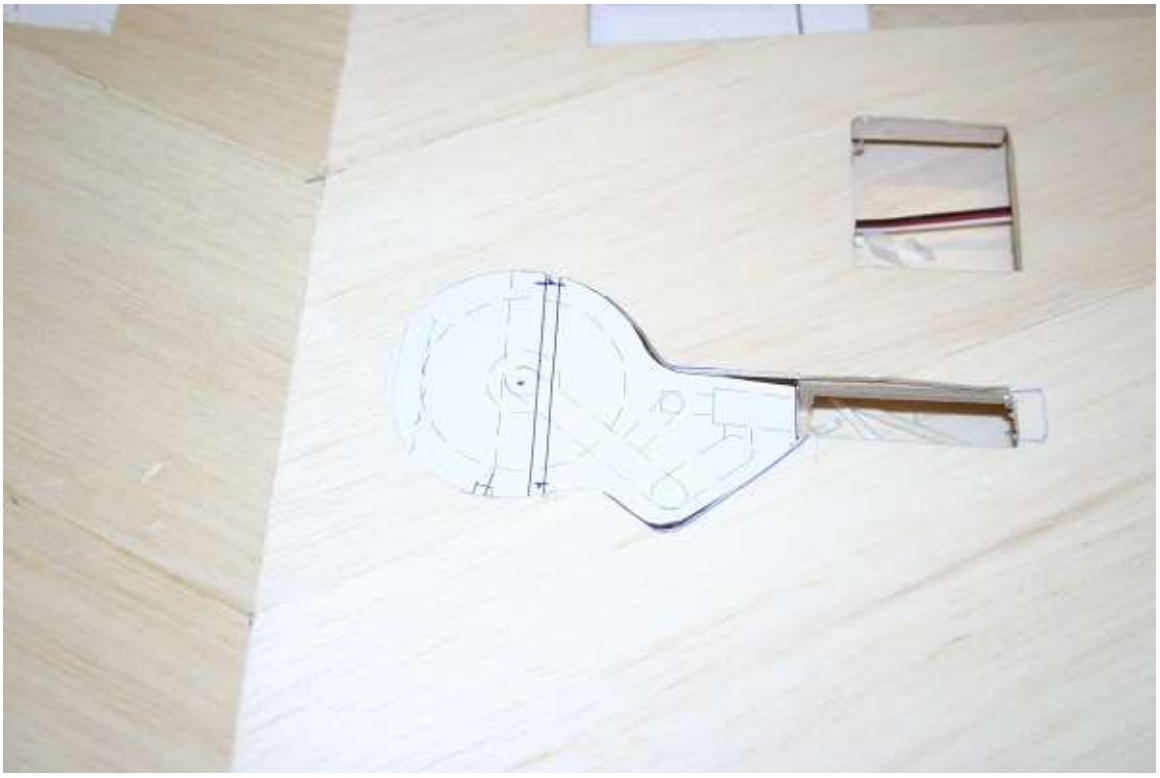
To construct the flap leading edge, either in-fill between the riblet with 6mm sheet balsa or cut away a chamfered 3mm strip and …….

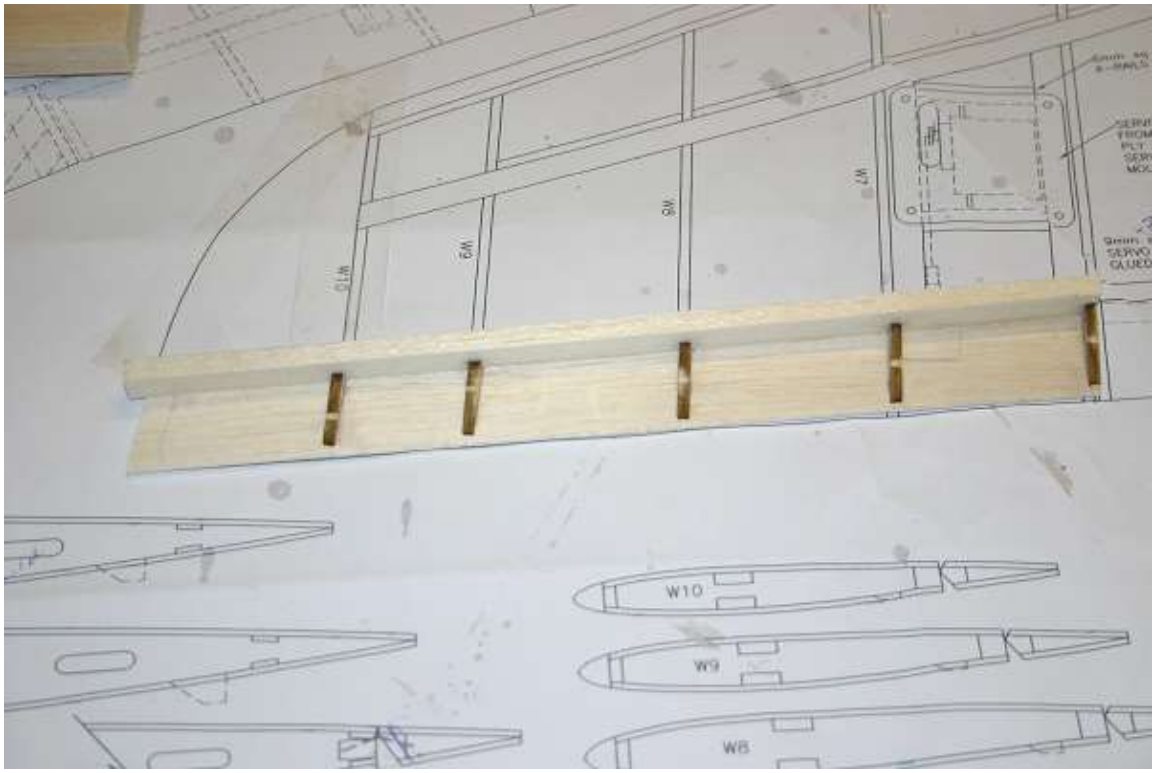


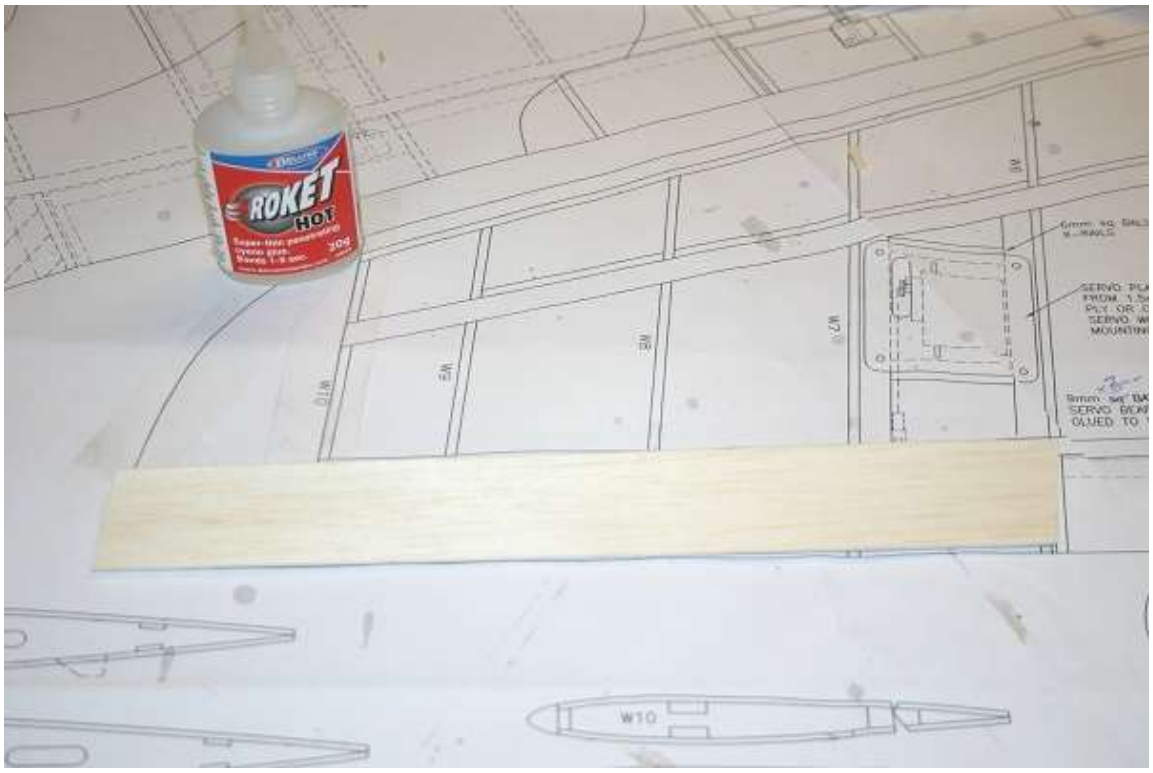
then apply a 3mm balsa capping strip as shown



Cut from 12mm balsa and trim the wing tips




W10
W9
W8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W10