

# *BobCat*

## Assembly manual



## **Airplane specifications**

Wingspan: 800 mm.

Length: 780 mm.

AUW: 600 – 900 g.

CG: Marked on printed plans.

## **Recommended electronics**

Motor: 2212 2200KV or 2205 2300KV (200 – 700W)

Esc: According to motor.

Bateria: Lipo 3S 2200 - 3300mAh or 4s 1300 – 2200mAh.

Servos: 3 servos 9g metal gear.

Receiver: 3 ou 4 channel.

## **INCLUDED IN THE KIT**

- Laser-cut balsa sheets;
- Laser-cut plywood sheets;
- Carbon fiber wing spar;
- Screws, nuts, and washers for wing mounting;
- Magnets for canopy attachment;
- Linkage tubes;
- Printed plan to assist with construction.;

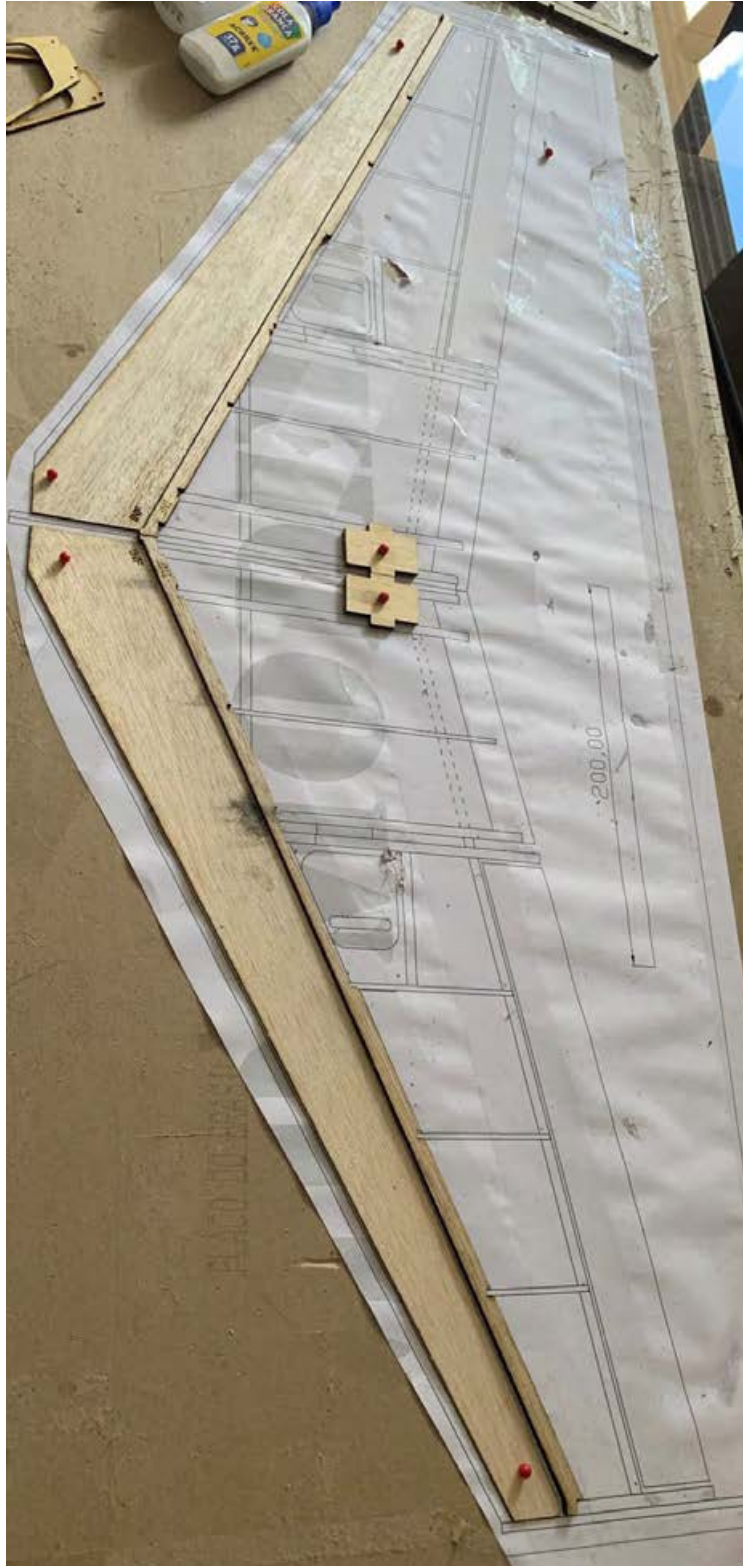
## **NOTES AND RECOMMENDATIONS**

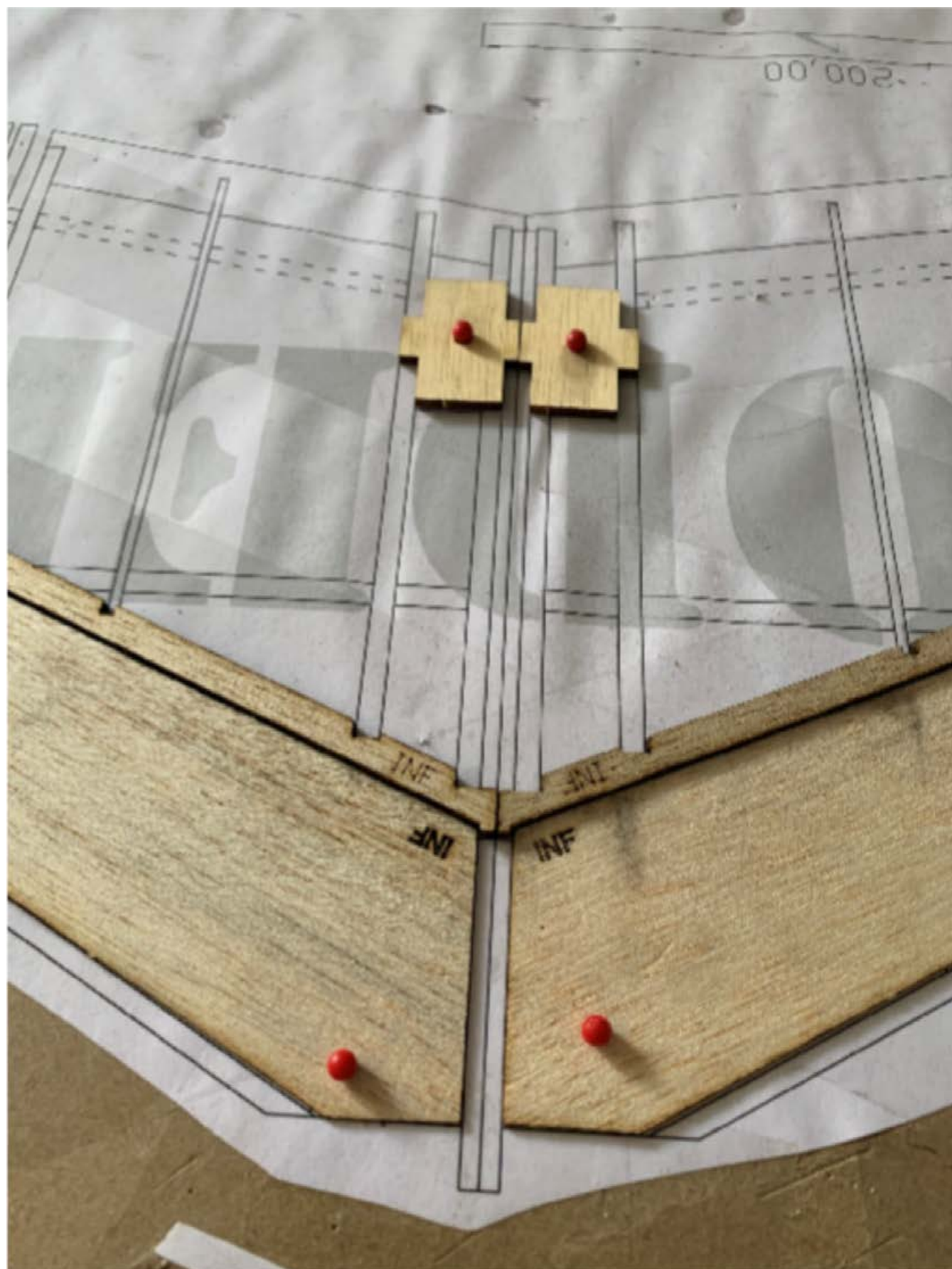
- The model comes as an unassembled kit and must be assembled by the buyer.
- For gluing the sticks, it is recommended to use a slow-curing adhesive, such as wood glue or CA glue.
- Place the printed plan on a soft, completely flat surface and secure it using pins or another method of your choice. It is extremely important that the chosen method can hold the parts in place during the glue curing process.
- Do not remove the parts from the sheets before you are ready to use them. This will make the construction process much easier and more organized. Use a hobby knife to cut the tabs and release the parts.
- A complete review of the entire manual before starting the construction is highly recommended.

## Wing assembly

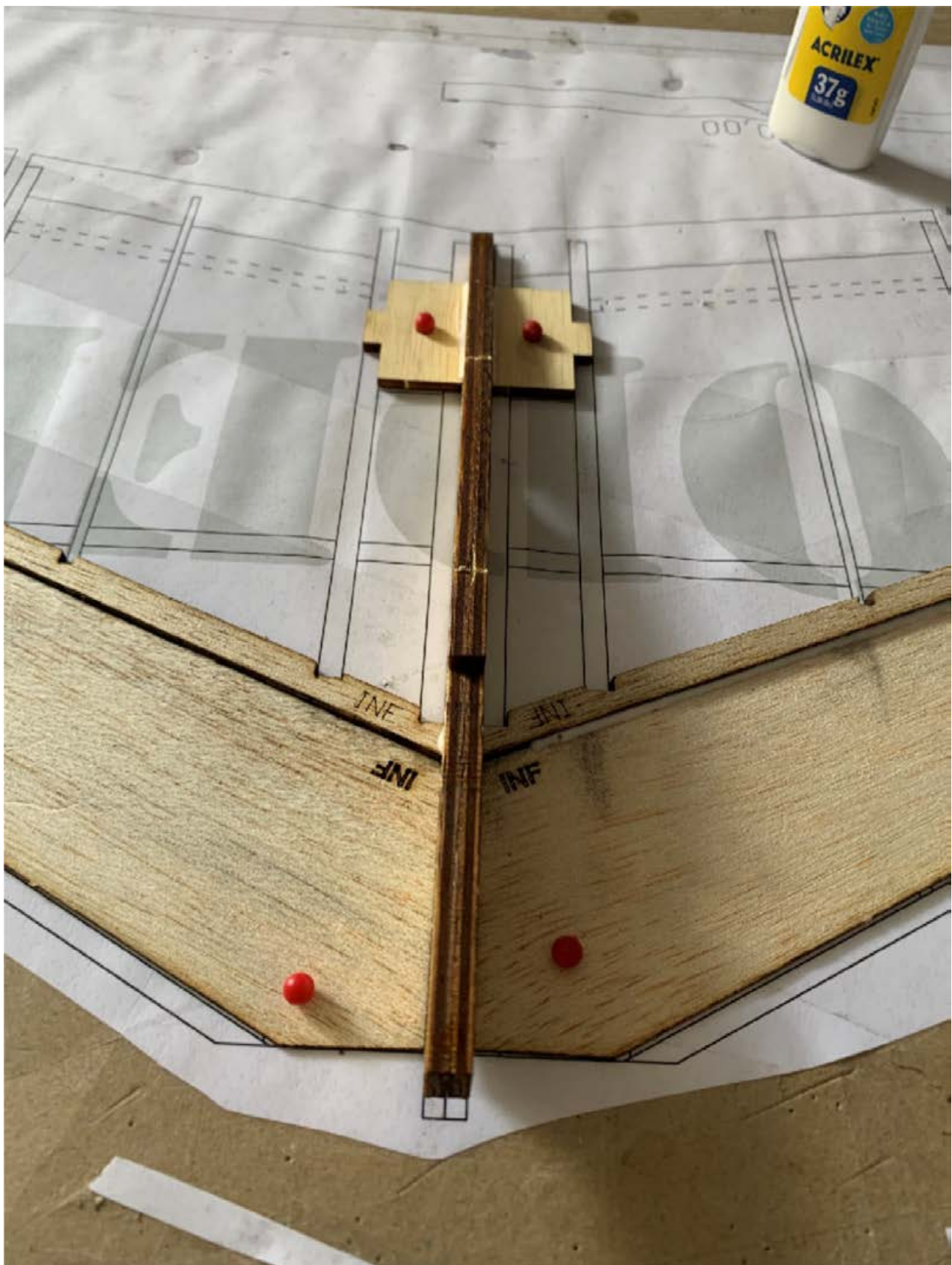
Cut out the wing views from the printed plan and place them on a flat surface. Cover the plan with plastic or tape to prevent glue from sticking to it. Then, remove the parts that will be used for the wing and begin assembly following the sequence of photos below. For wing assembly, the use of slow-drying glue—such as white glue or wood glue—is highly recommended.

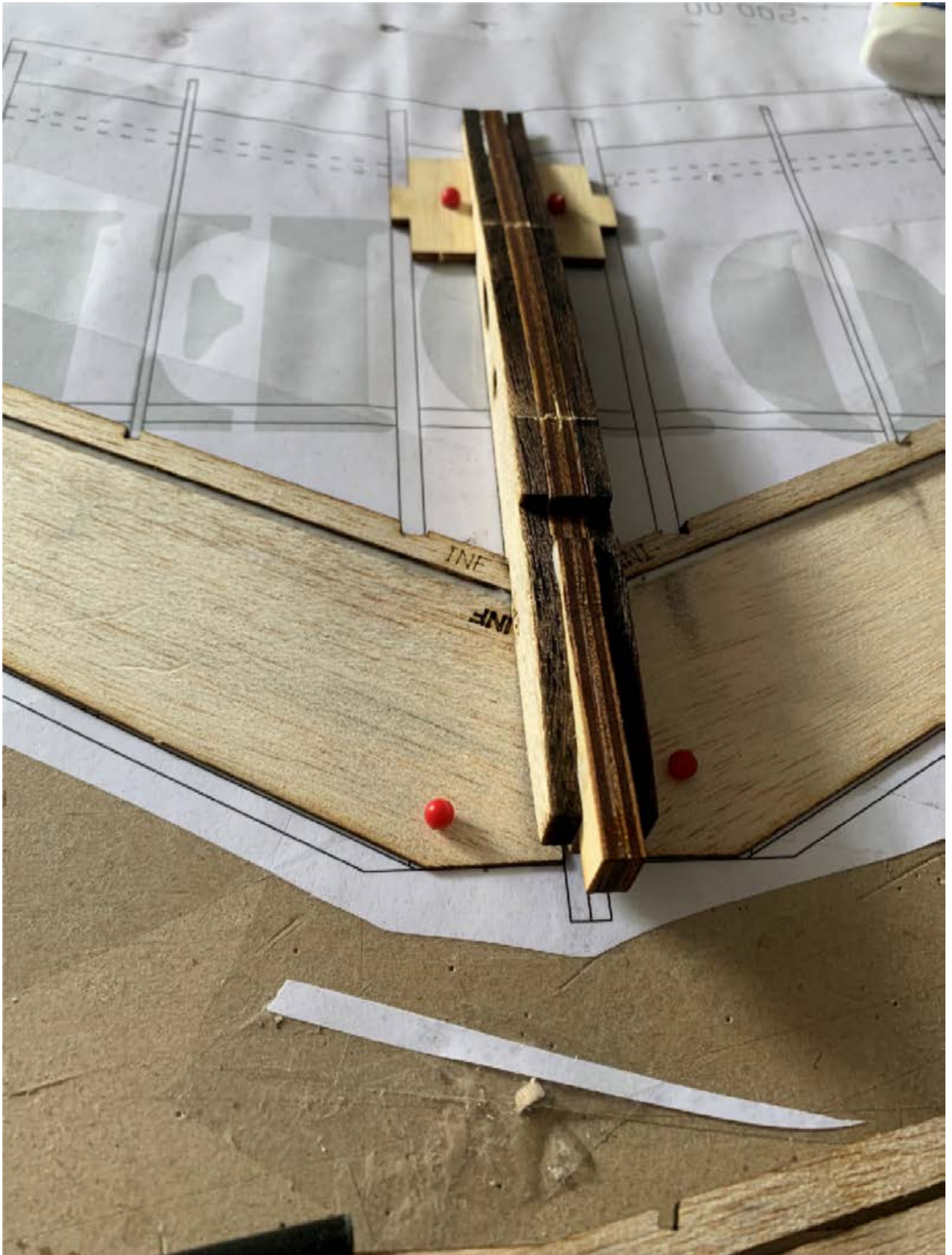
Remove the parts marked with the word “INF” and glue and position them as shown in the following photo.

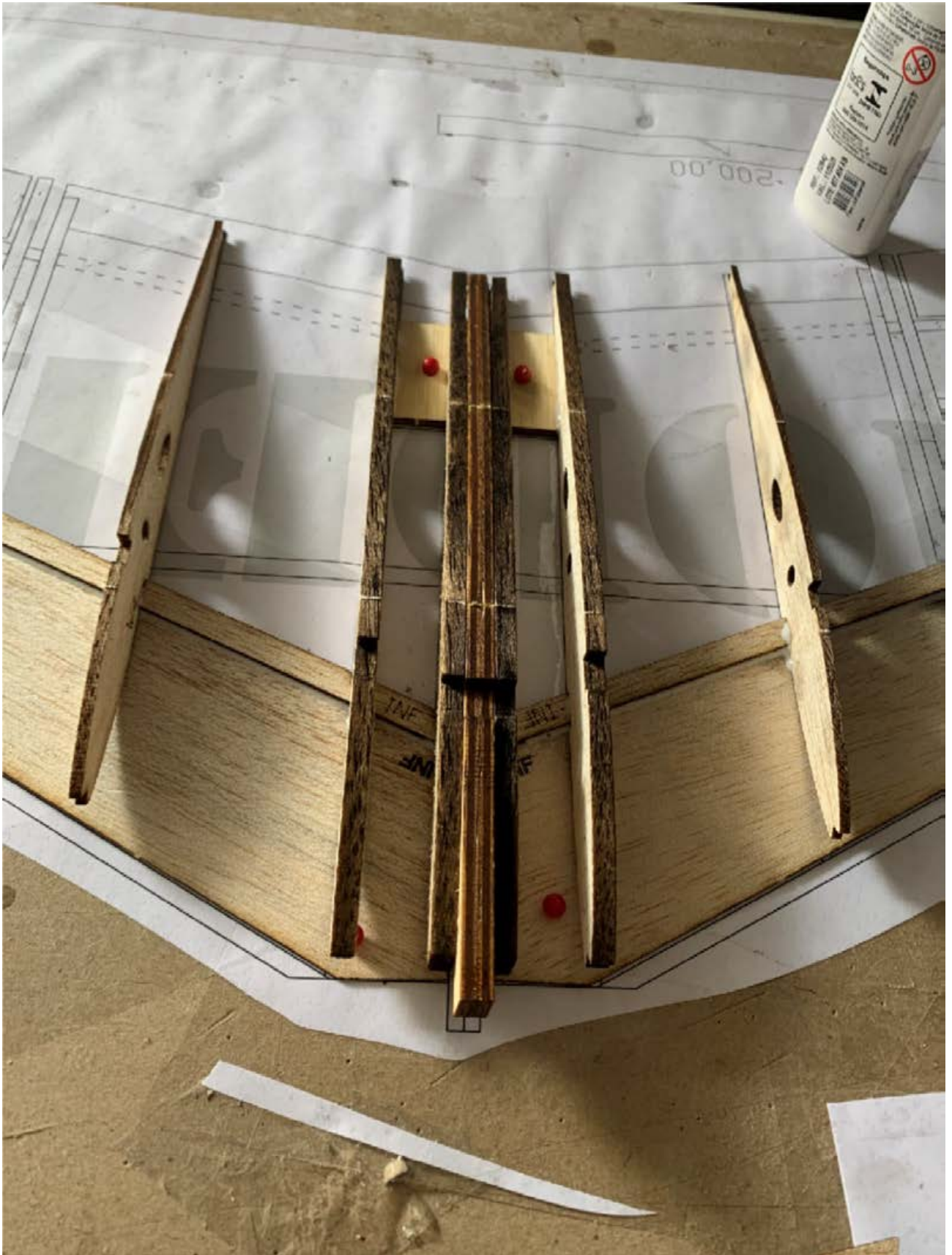




Start with placing the center ribs.

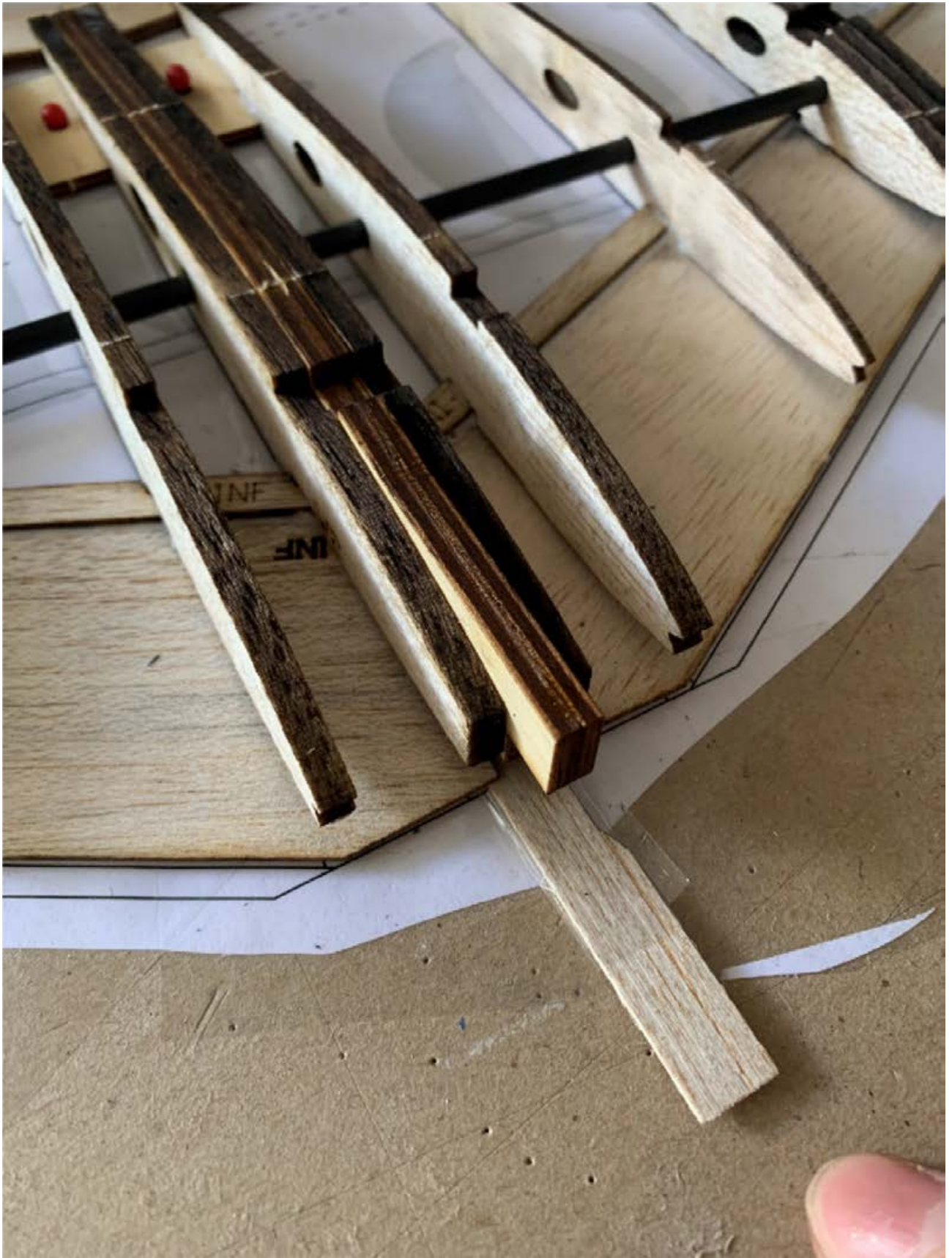






Cut a scrap piece from one of the leftover 1mm sheets included in the kit, wrap it in tape, and place it underneath the parts labeled “INF” as shown in the following photos. This will ensure that the bottom sheeting makes proper contact with the rib.





Cut the carbon tube according to the length indicated on the printed plan and place it on the ribs, as shown in the following photos. **Do not apply glue to the tube until all ribs and spars are properly positioned.**



Position the servo bases on the wing before installing the remaining ribs. Also, place the parts labeled “BFA” at this stage.







Assim como foi feito nas partes marcadas com o nome “INF” cole juntas as peças marcada com o nome “SUP” como nas fotos a seguir. Em seguida aplique cola nos encaixes dos perfis e posicione as peças “SUP”.





The kit includes several 4.7x4.7 mm sticks—glue them to the leading edge as shown in the following photos. The sticks should be glued only to the ribs; the sheeting will be attached later, after the glue on the entire wing has fully cured.





















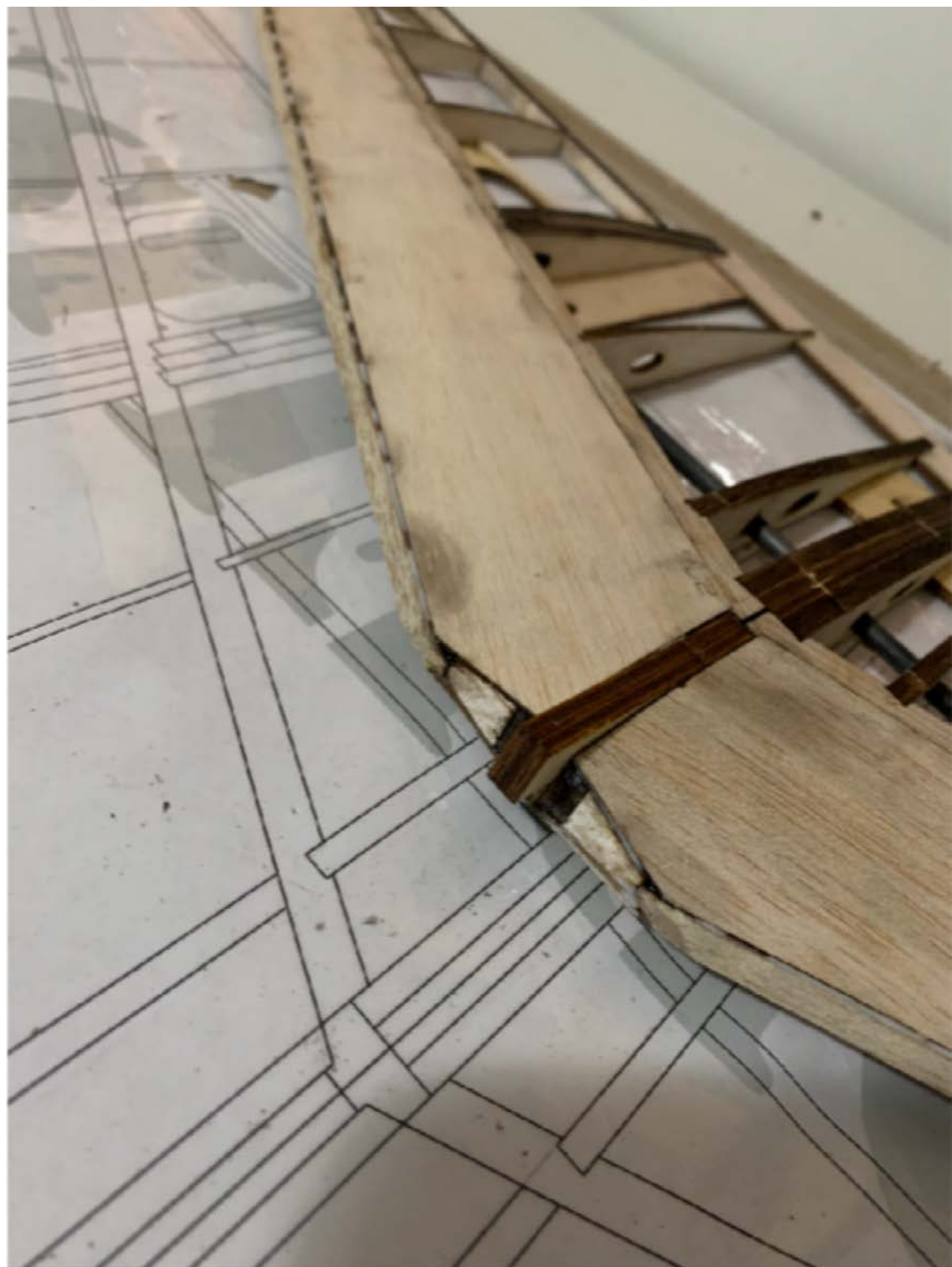






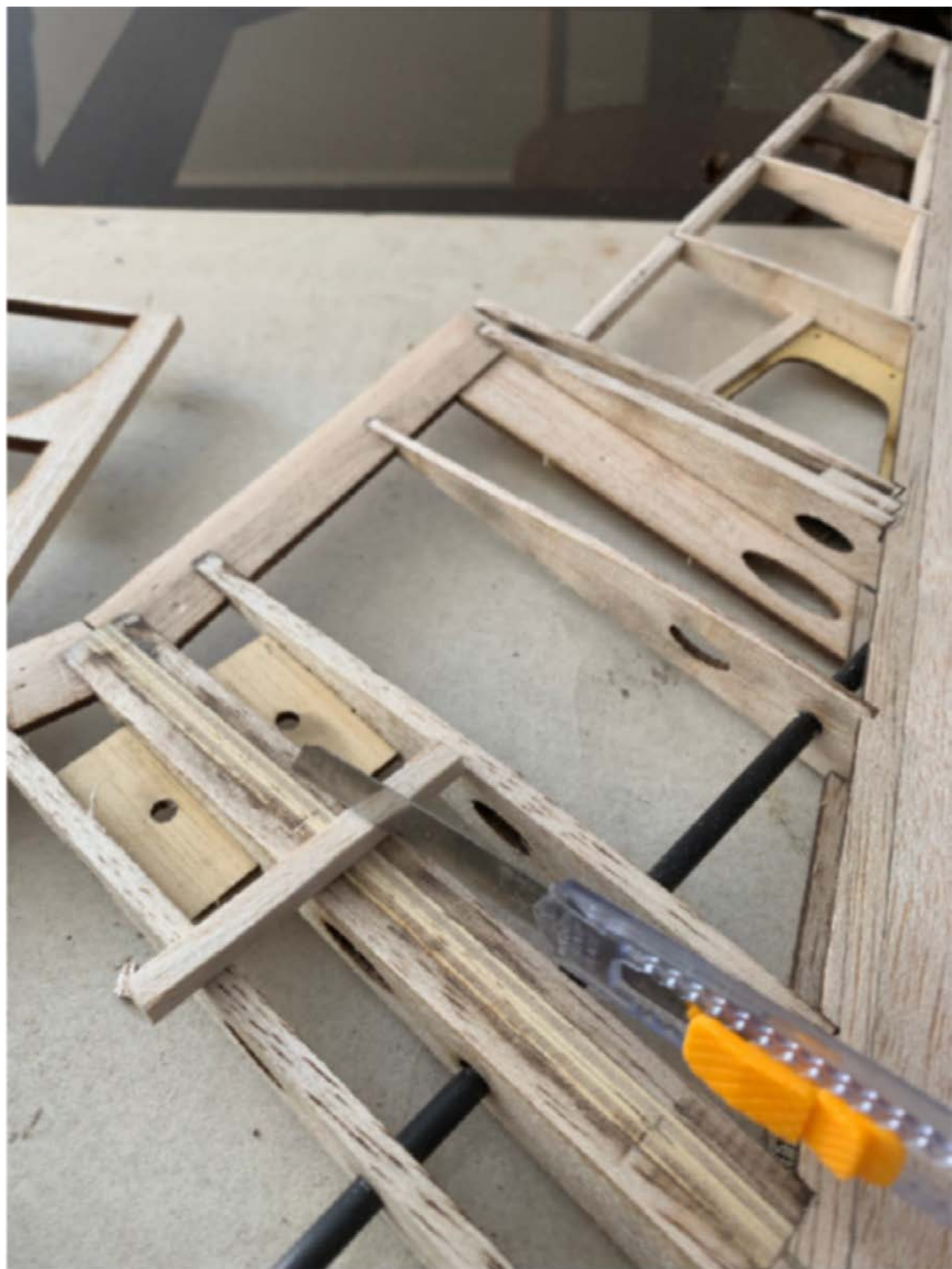


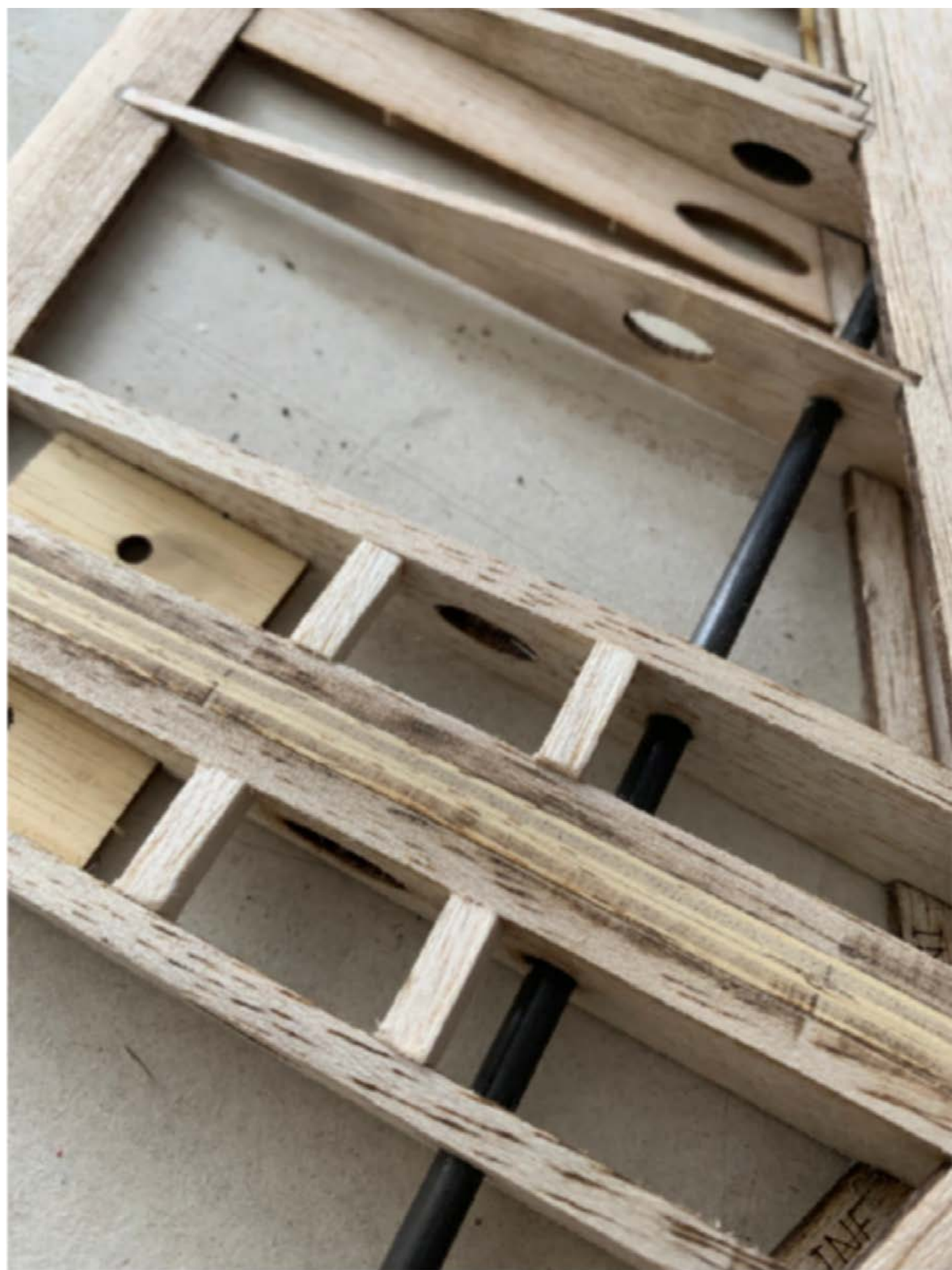












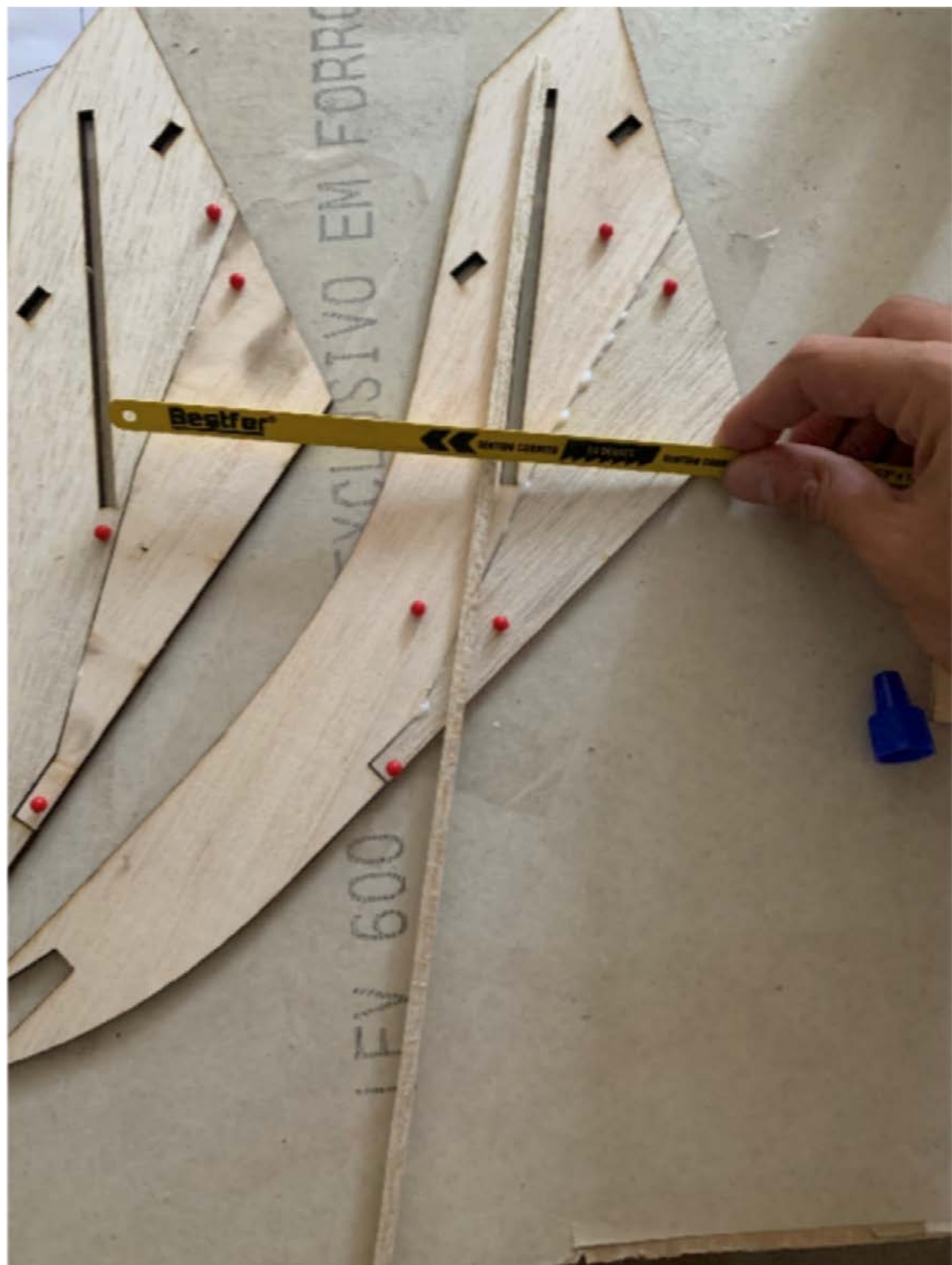
## Booms and elevator













Fuse and canopy



