



# Aeronca C3

1/2,5 (40%) scale RC



P H O T O M A N U A L

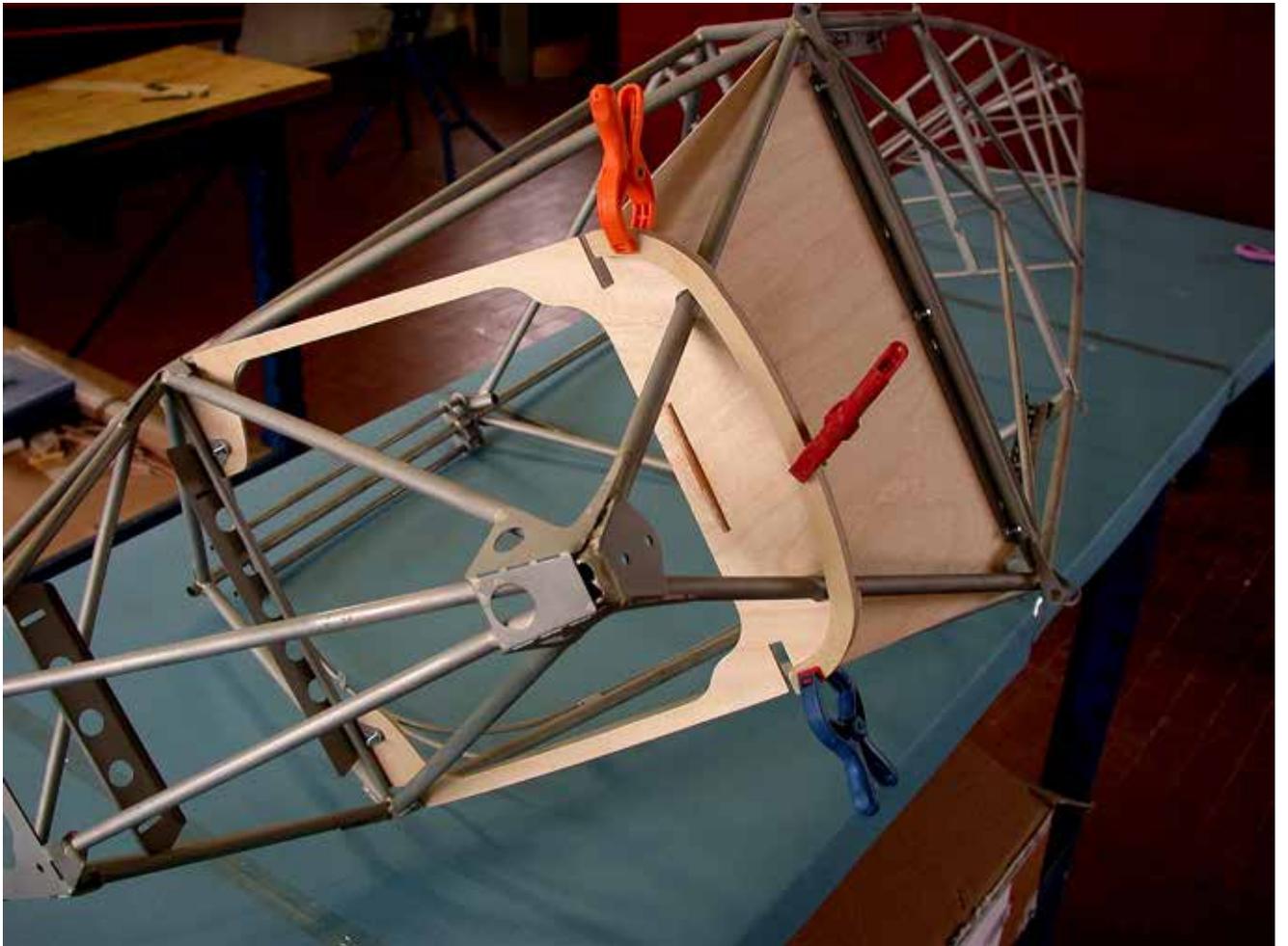
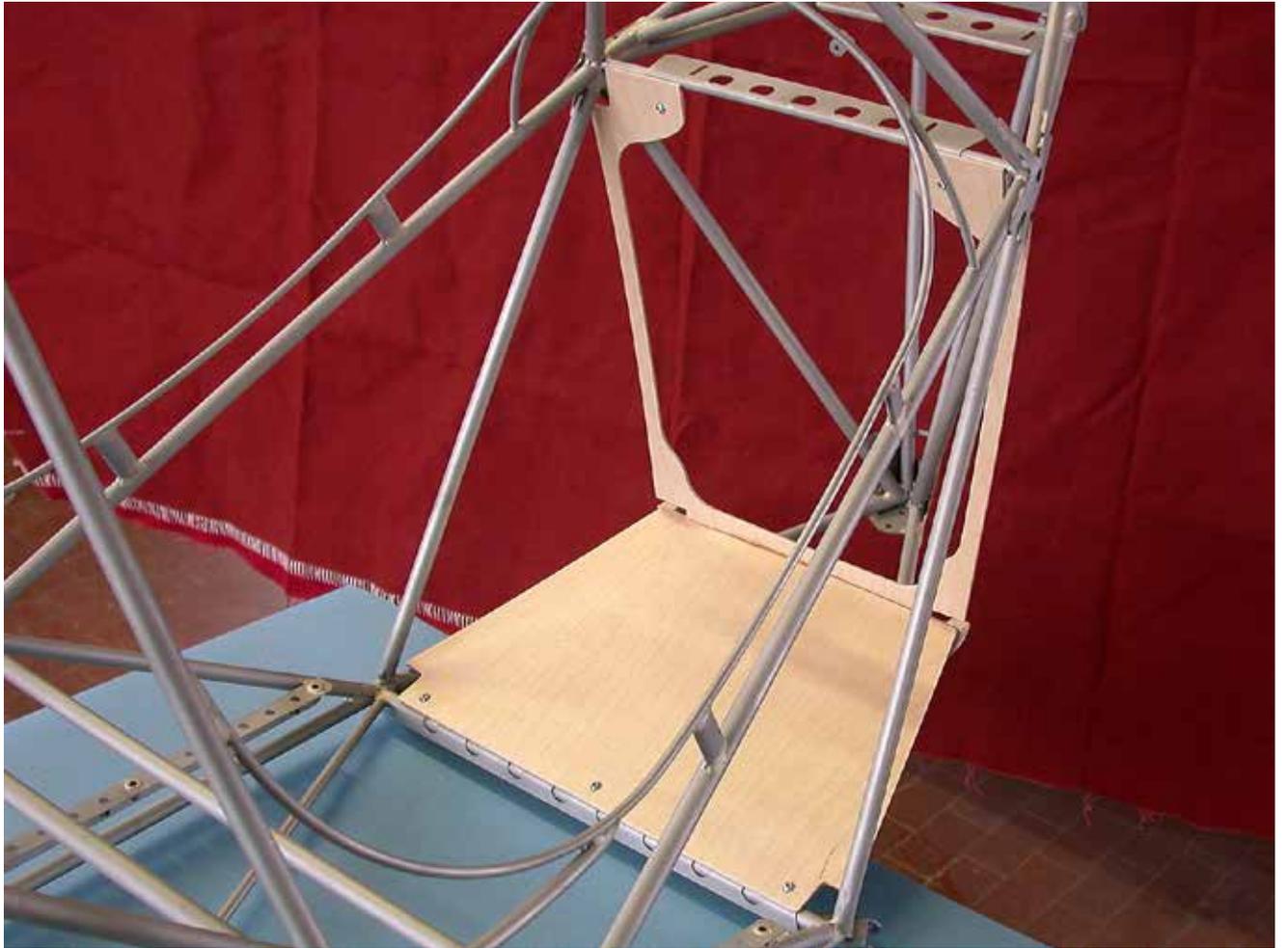


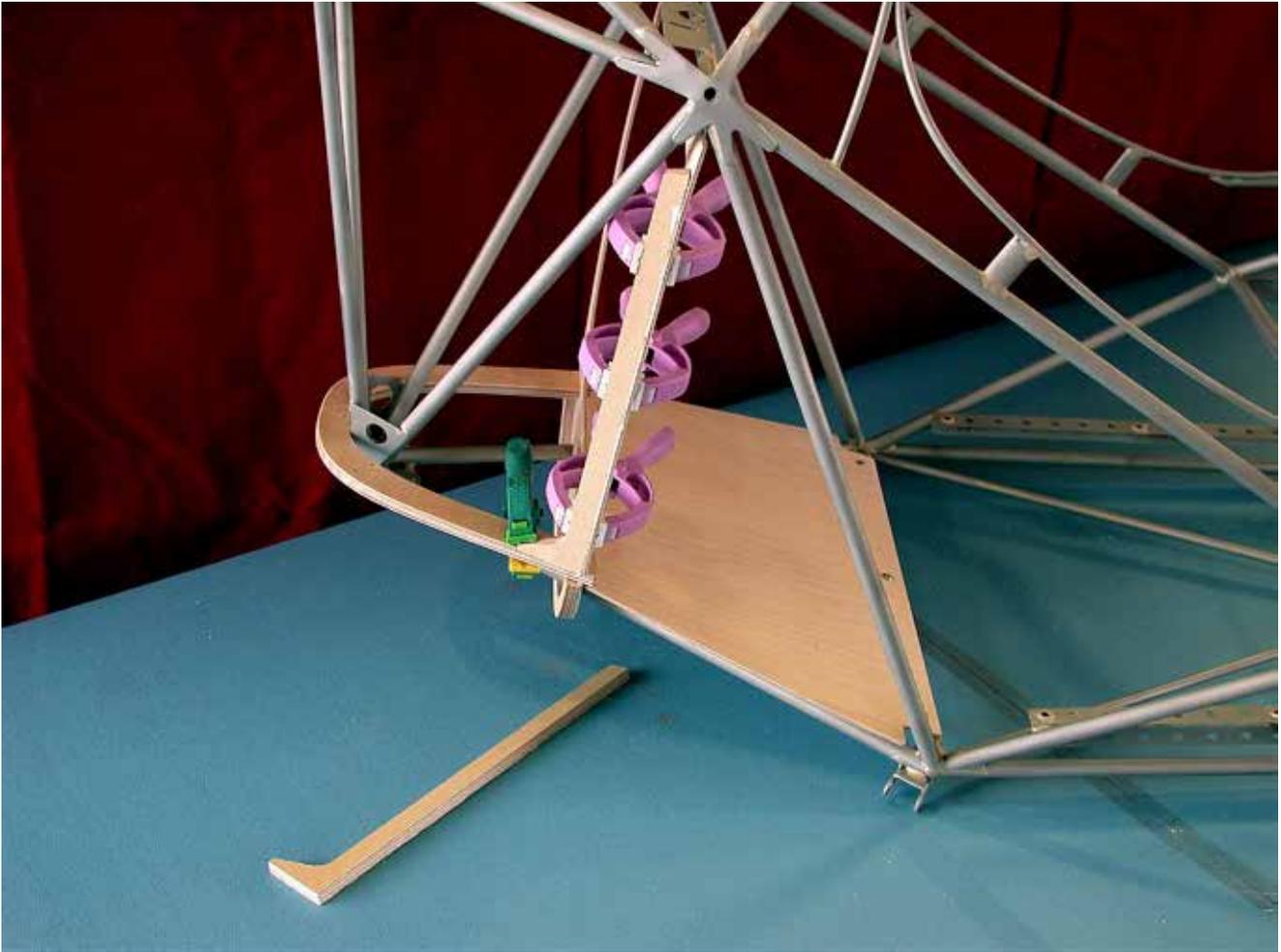


## 1. FUSELAGE

NOTE:

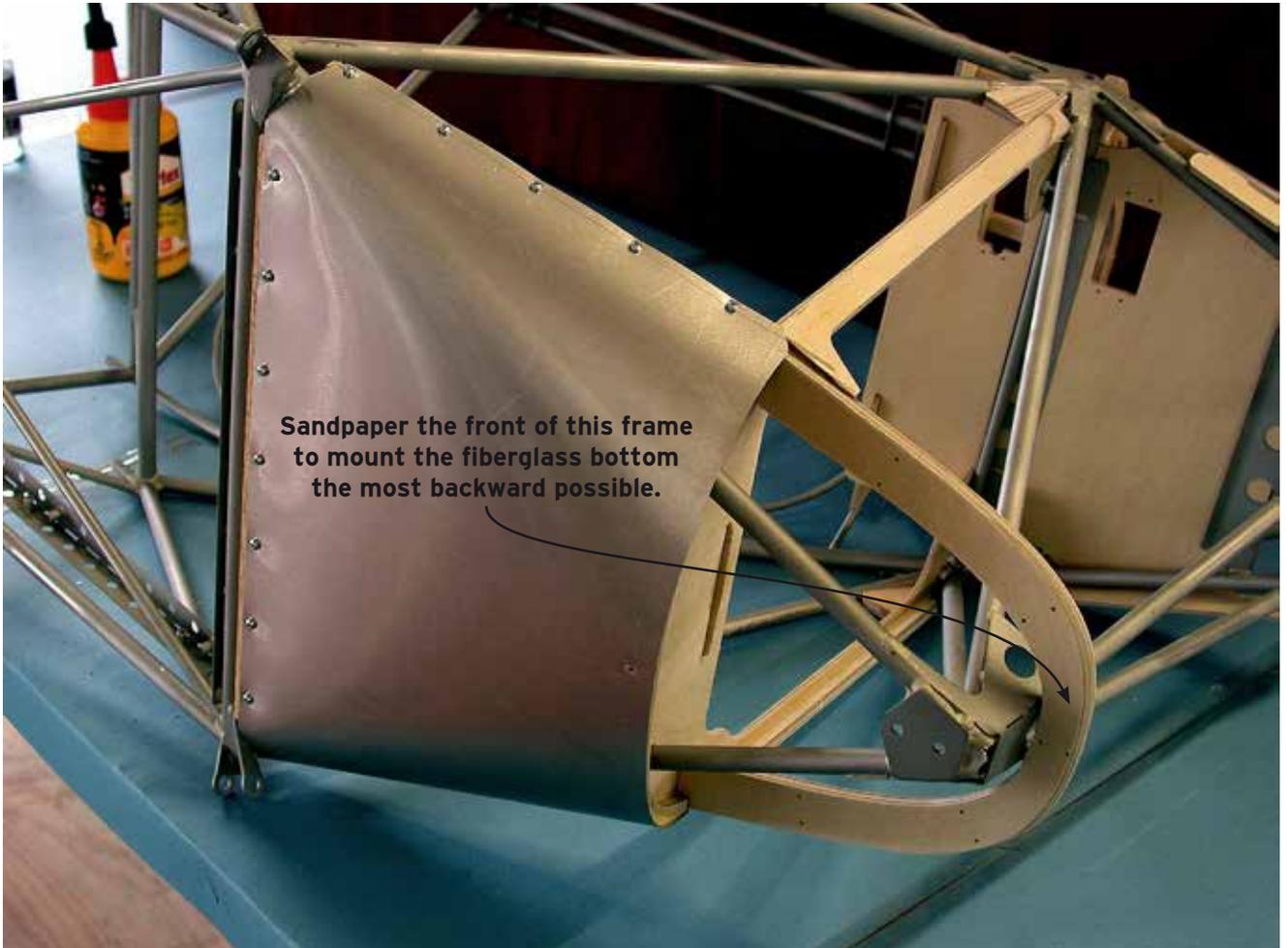
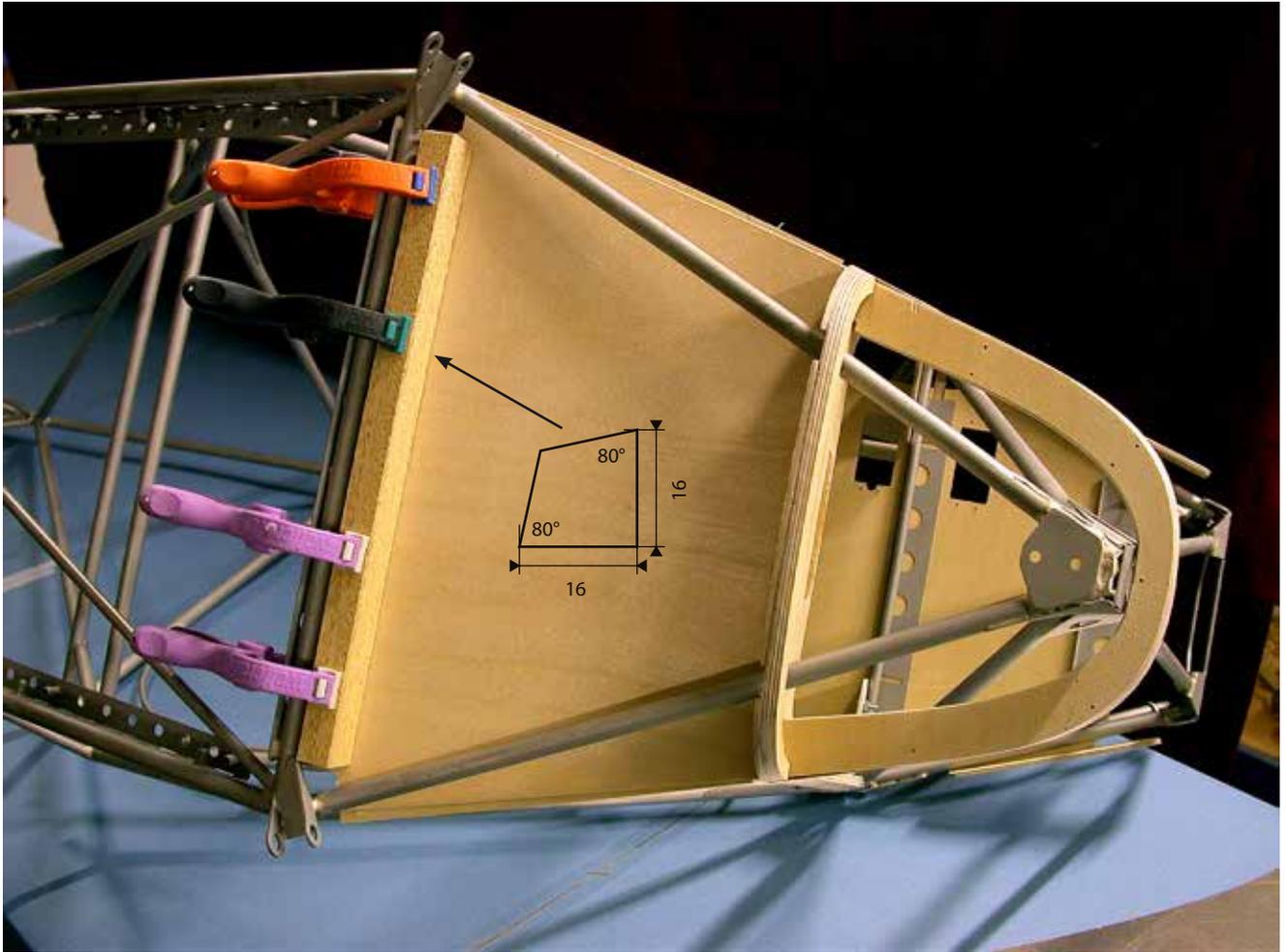
The pictures are of the prototype.  
In the serial production we can have made  
some improvements.

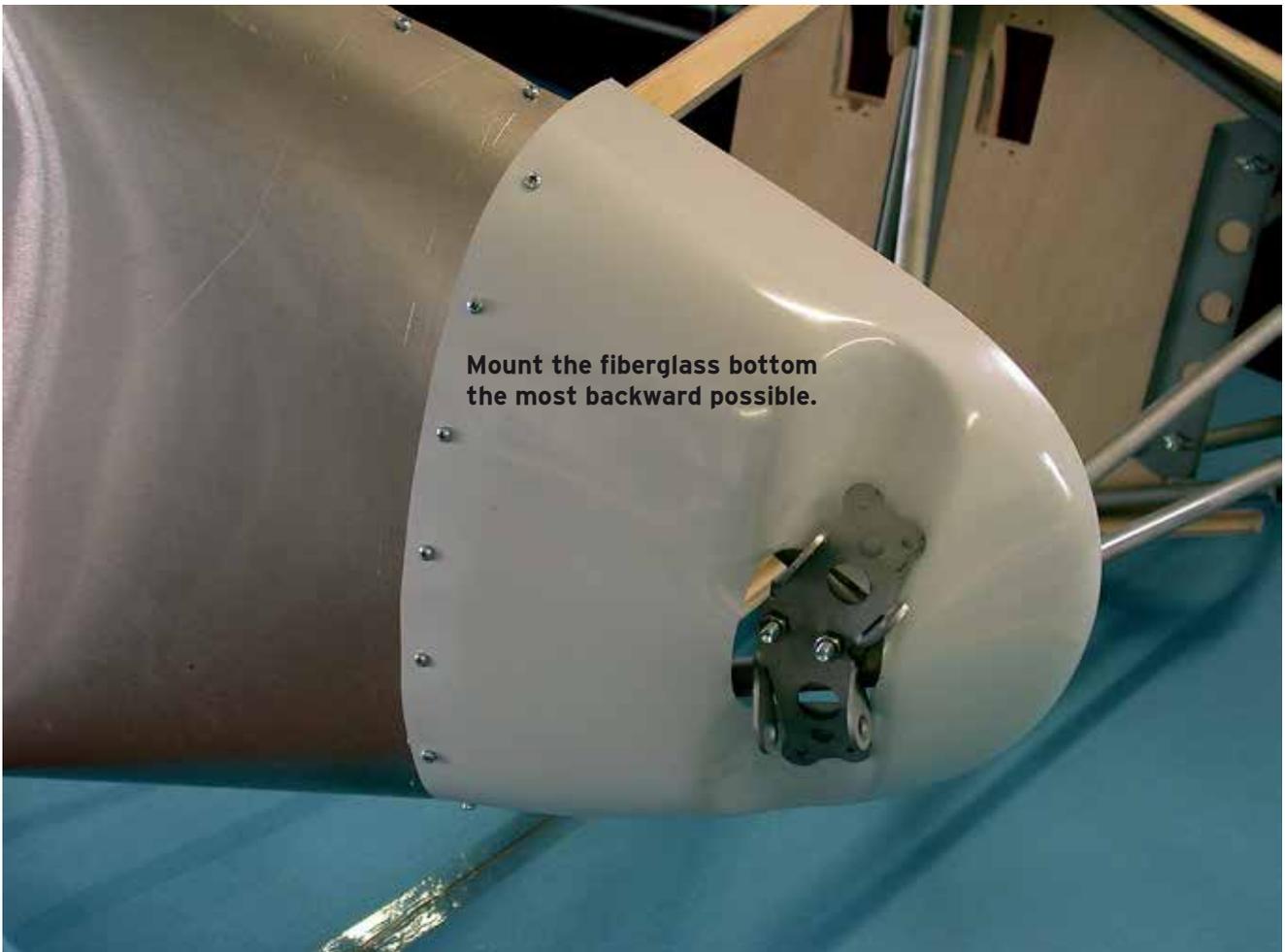


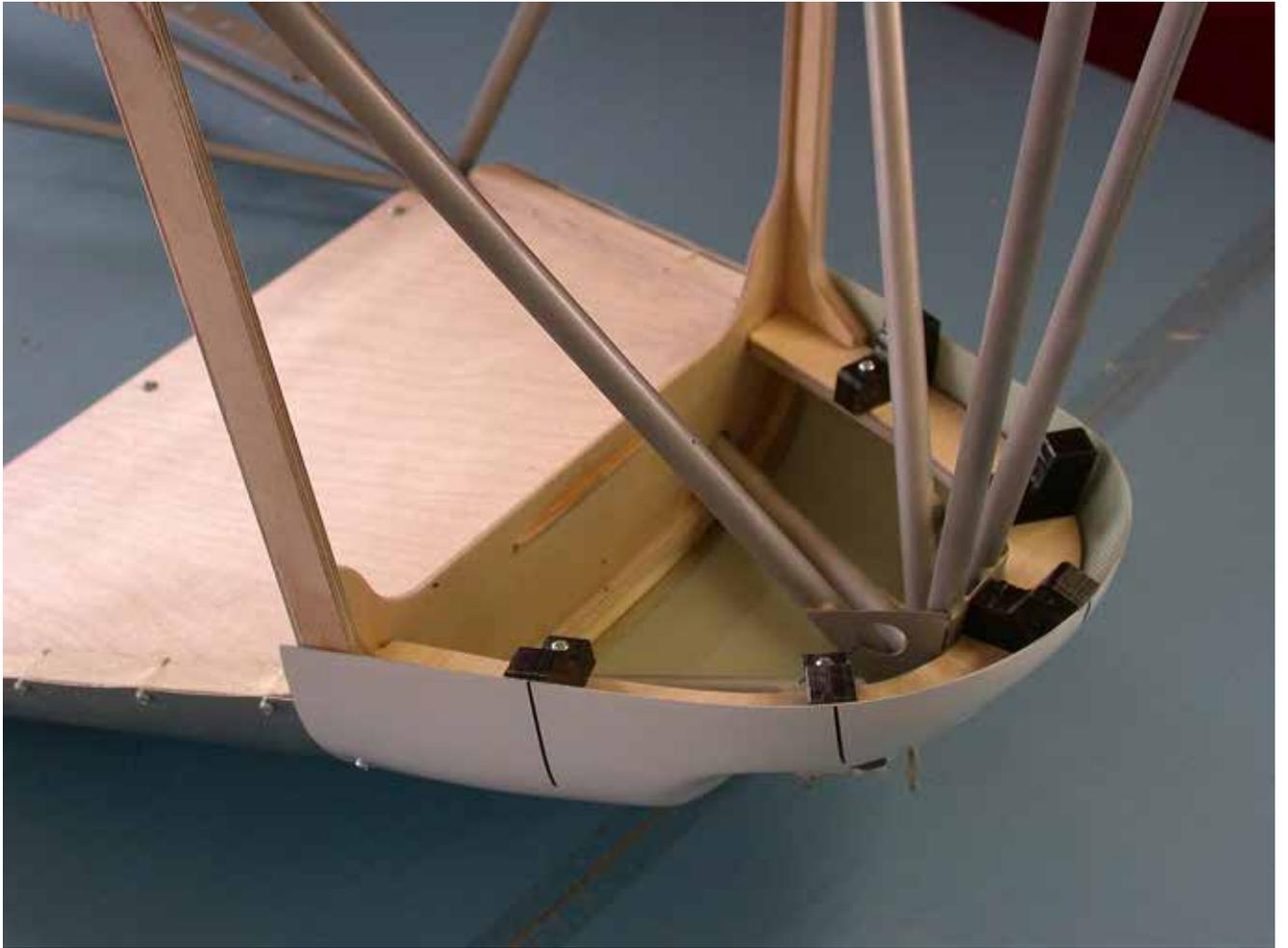






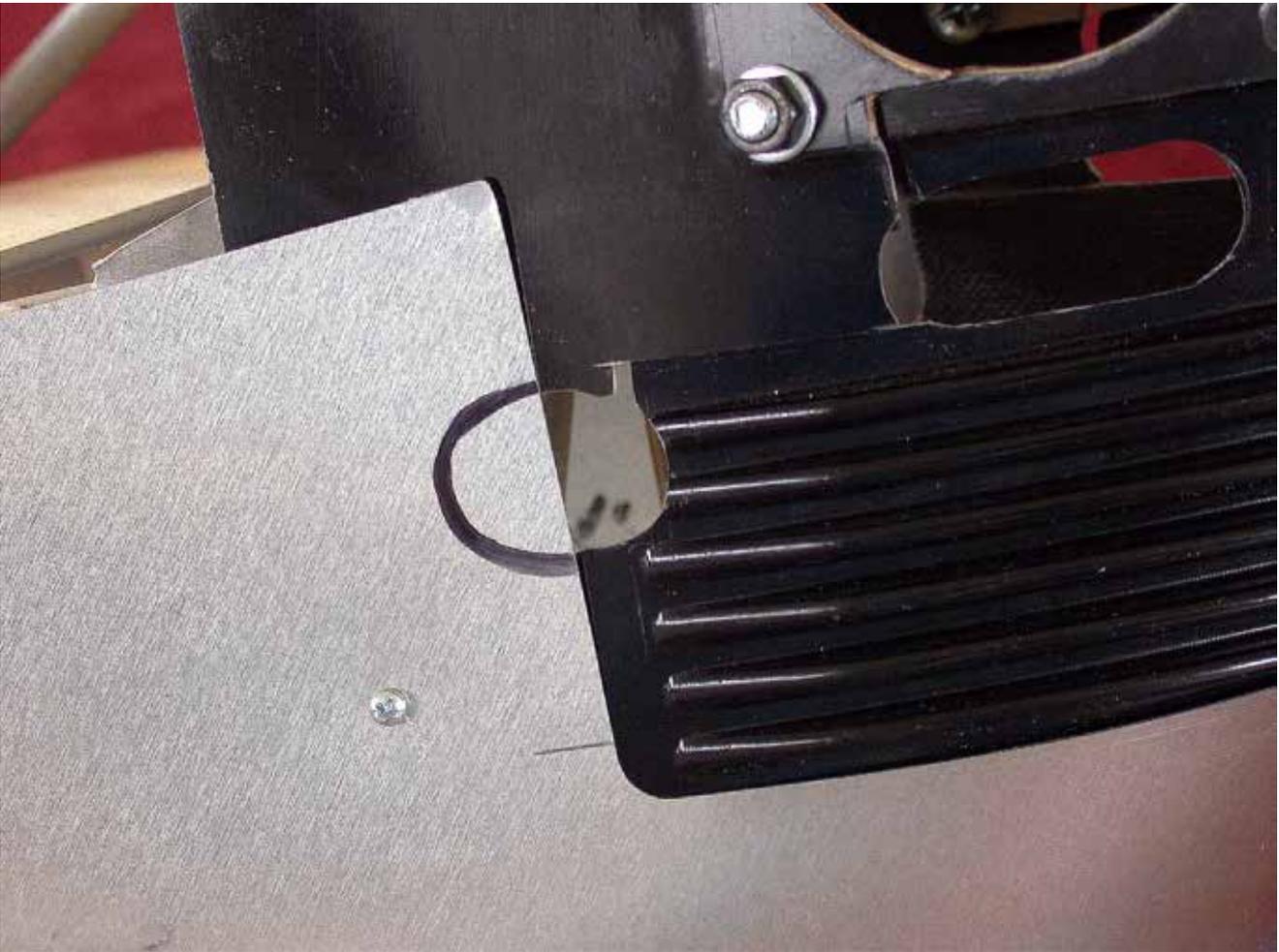


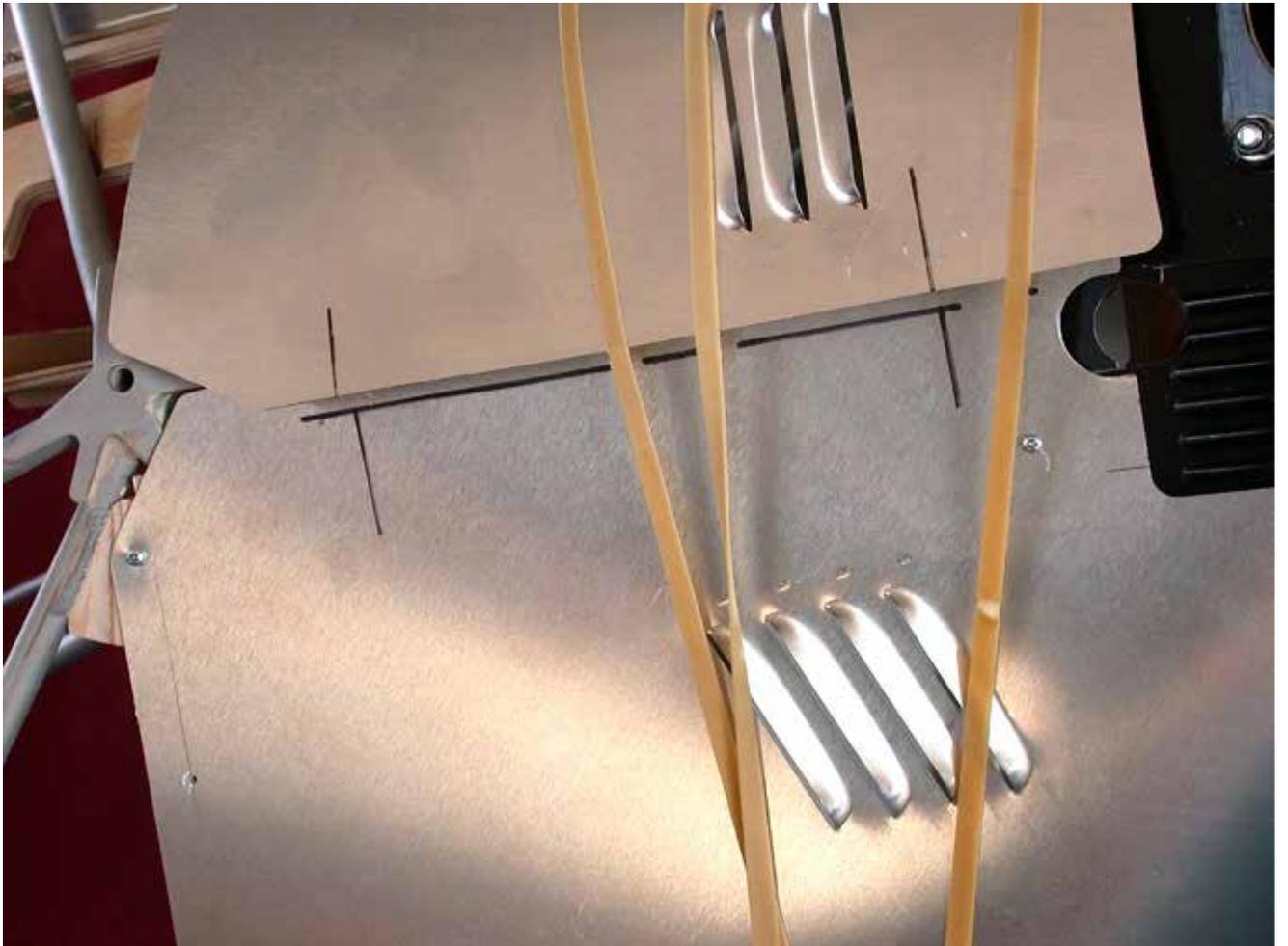
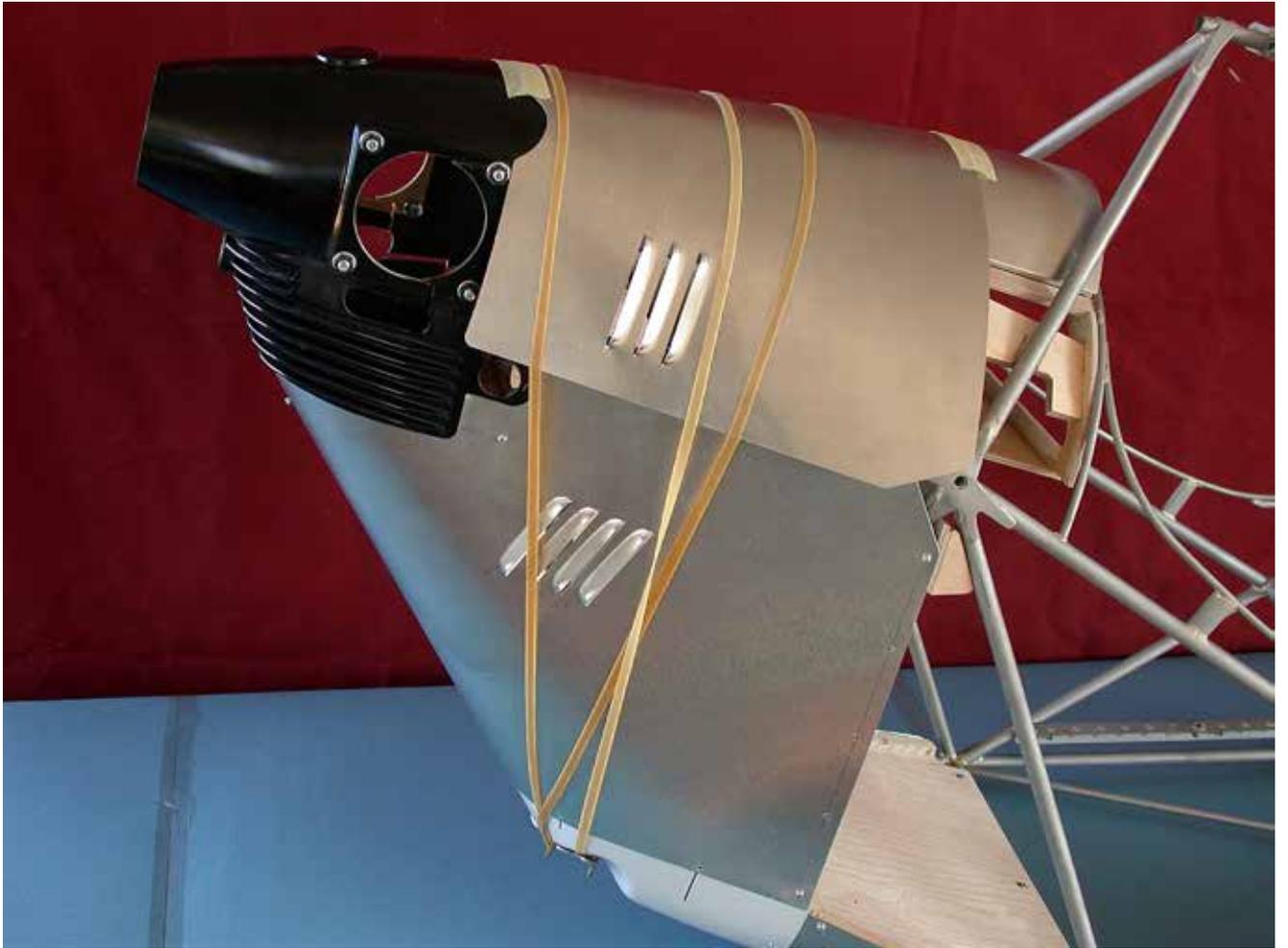


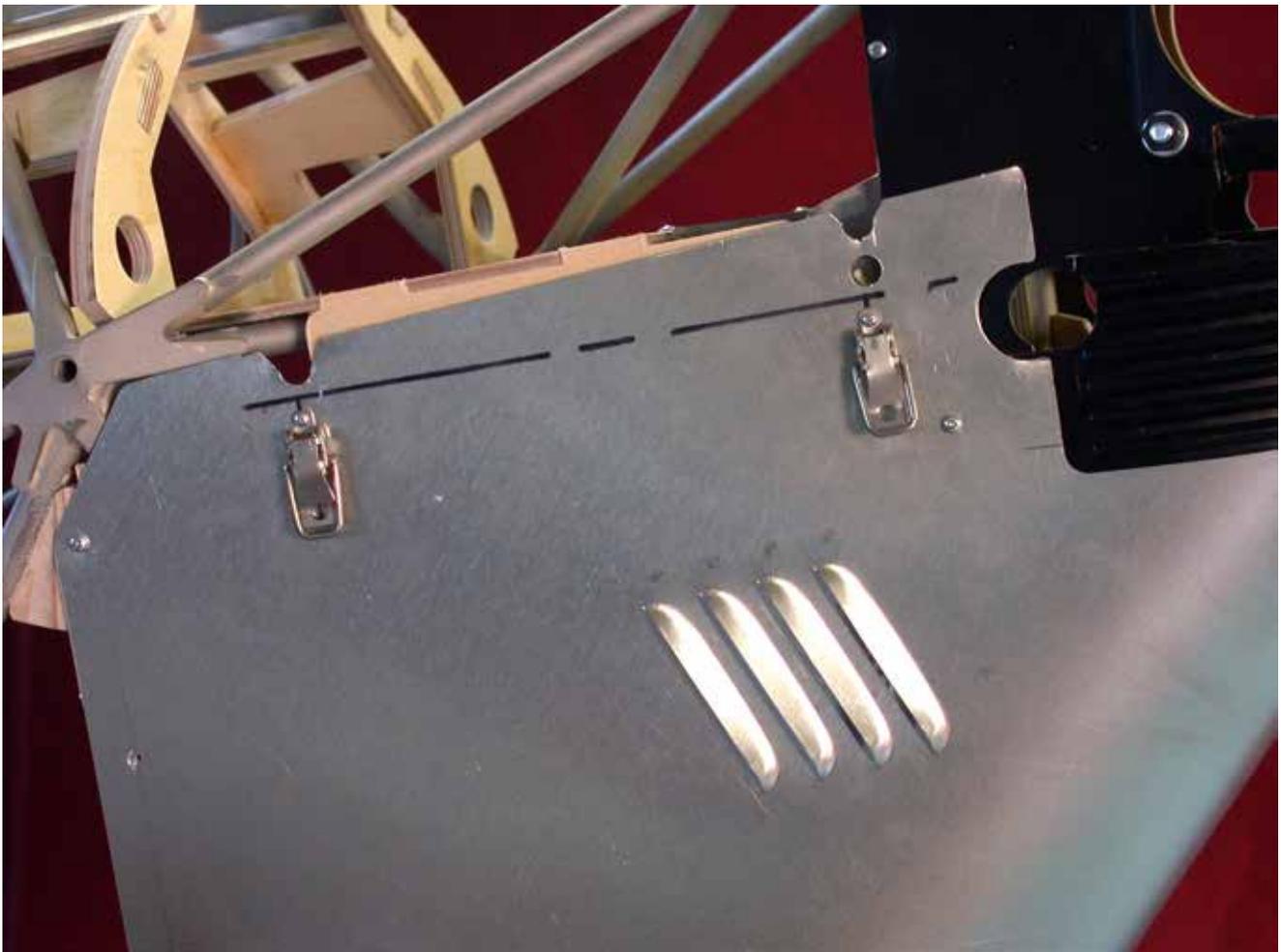






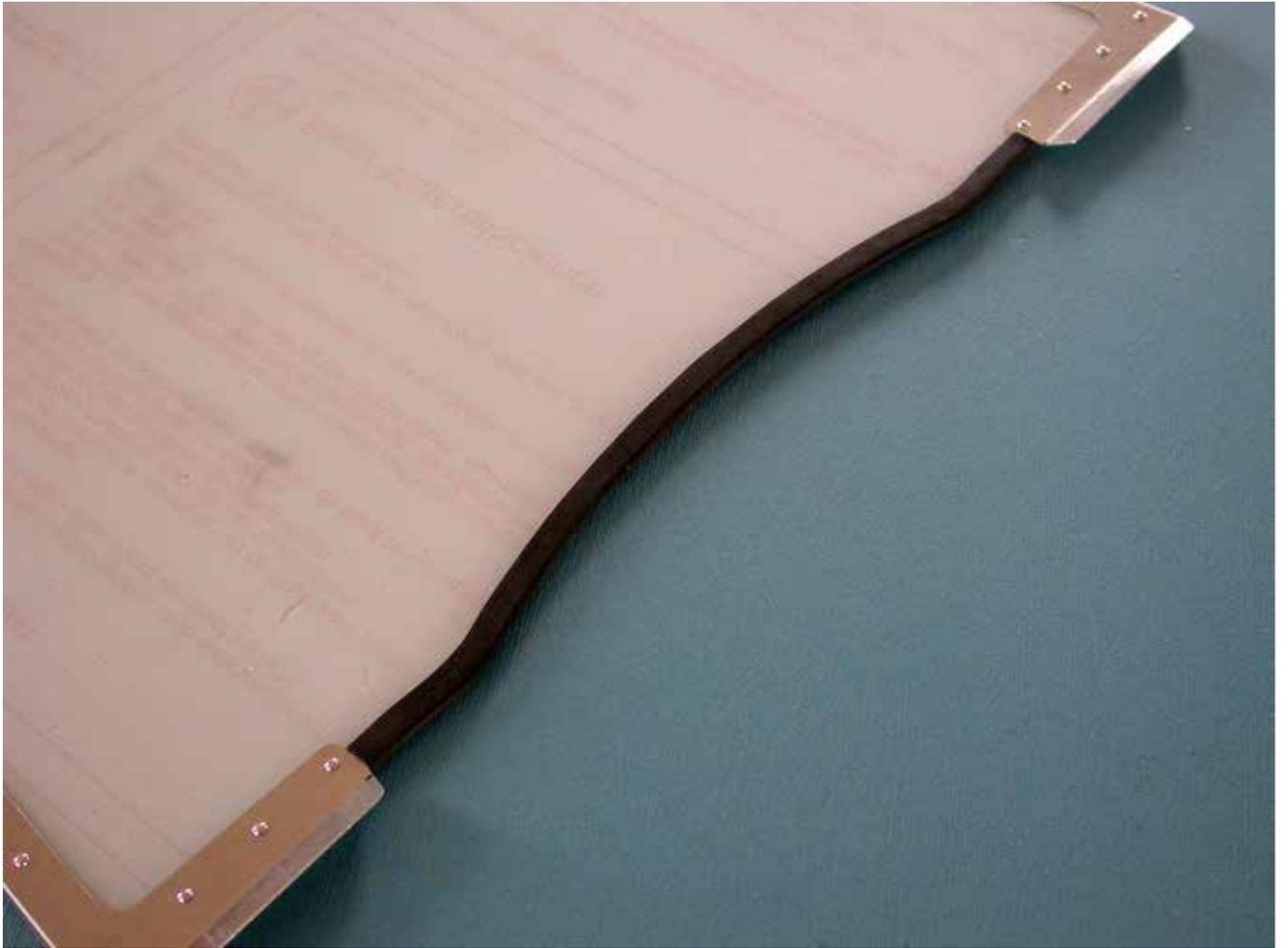


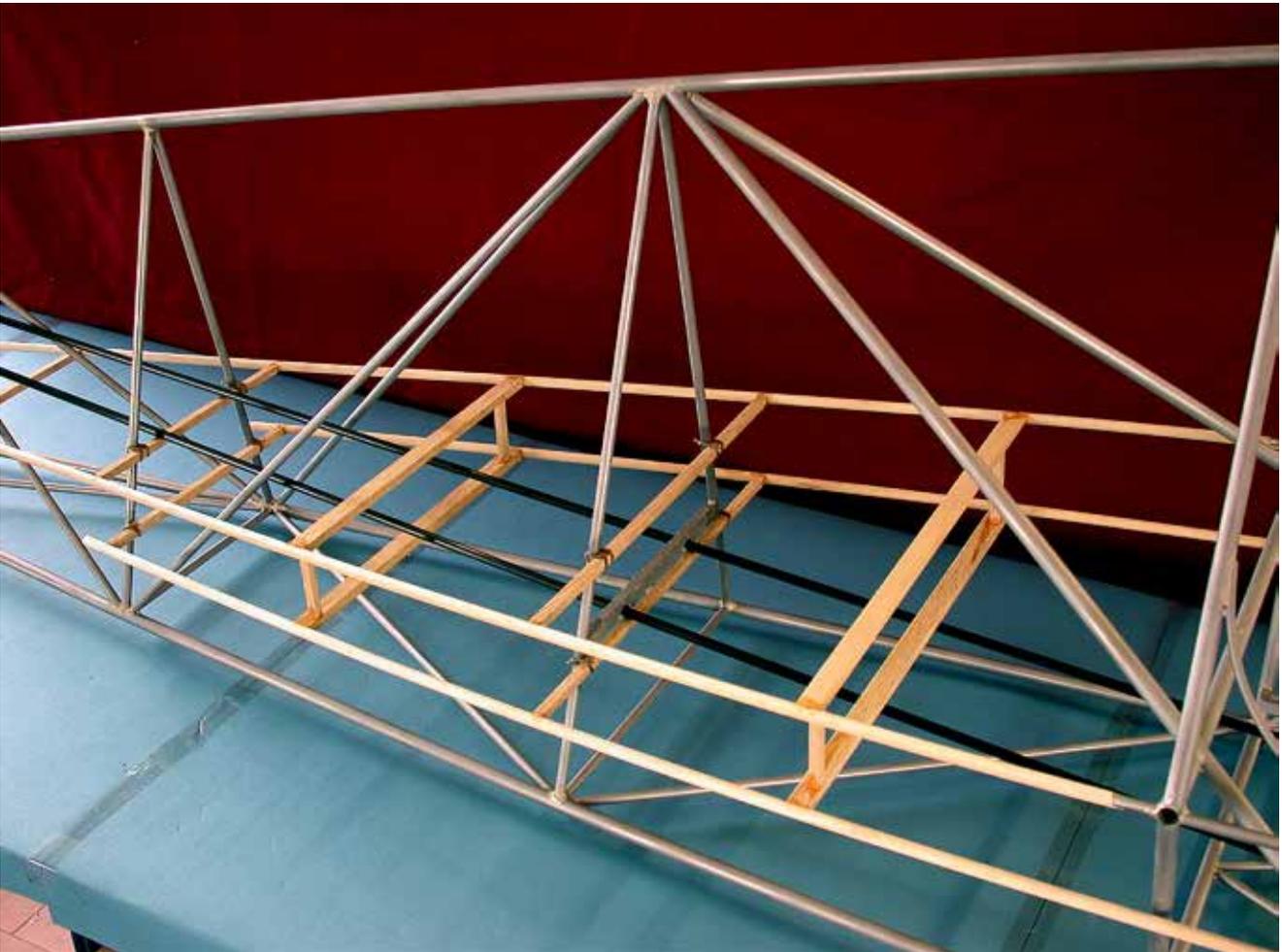
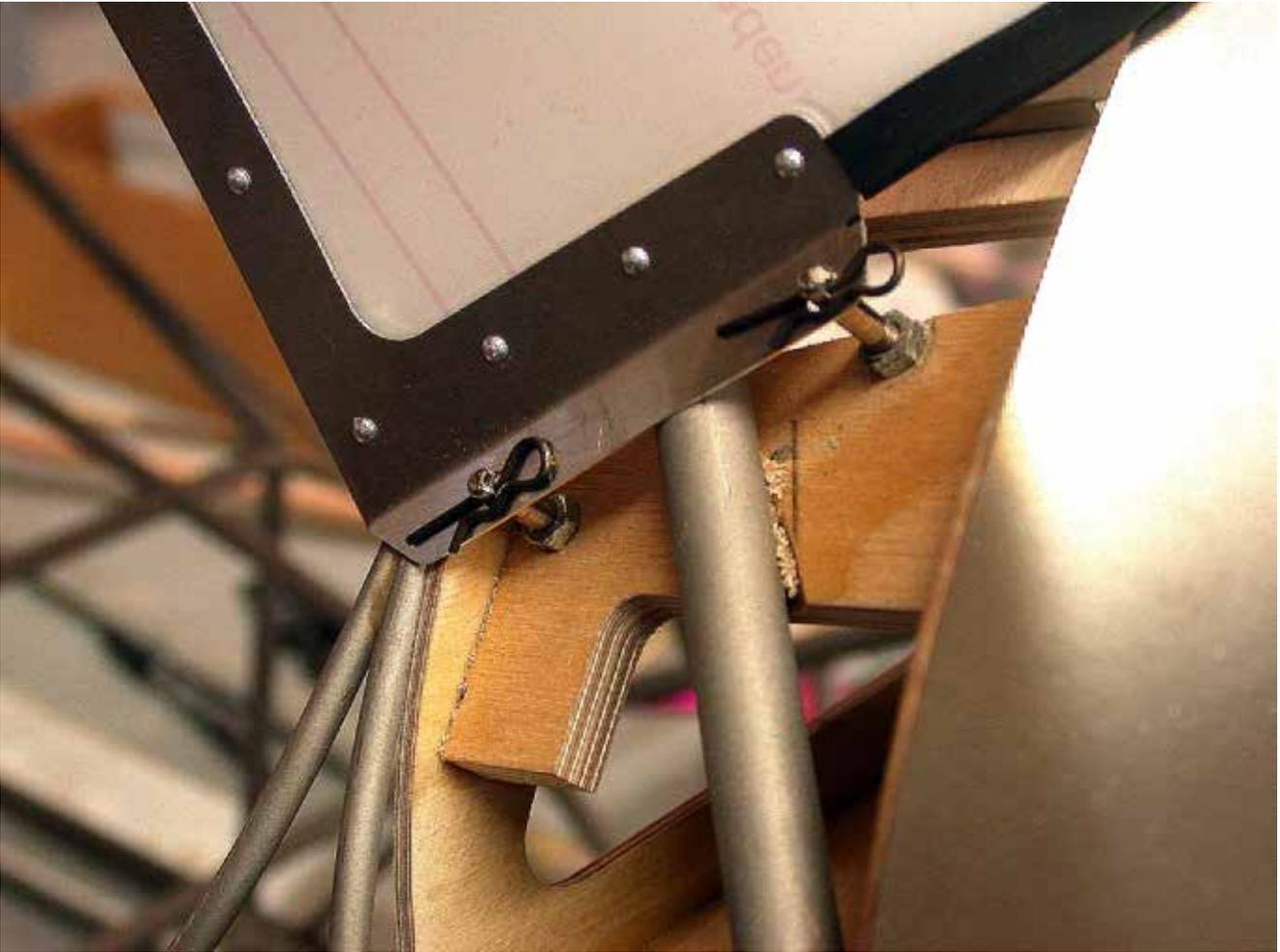


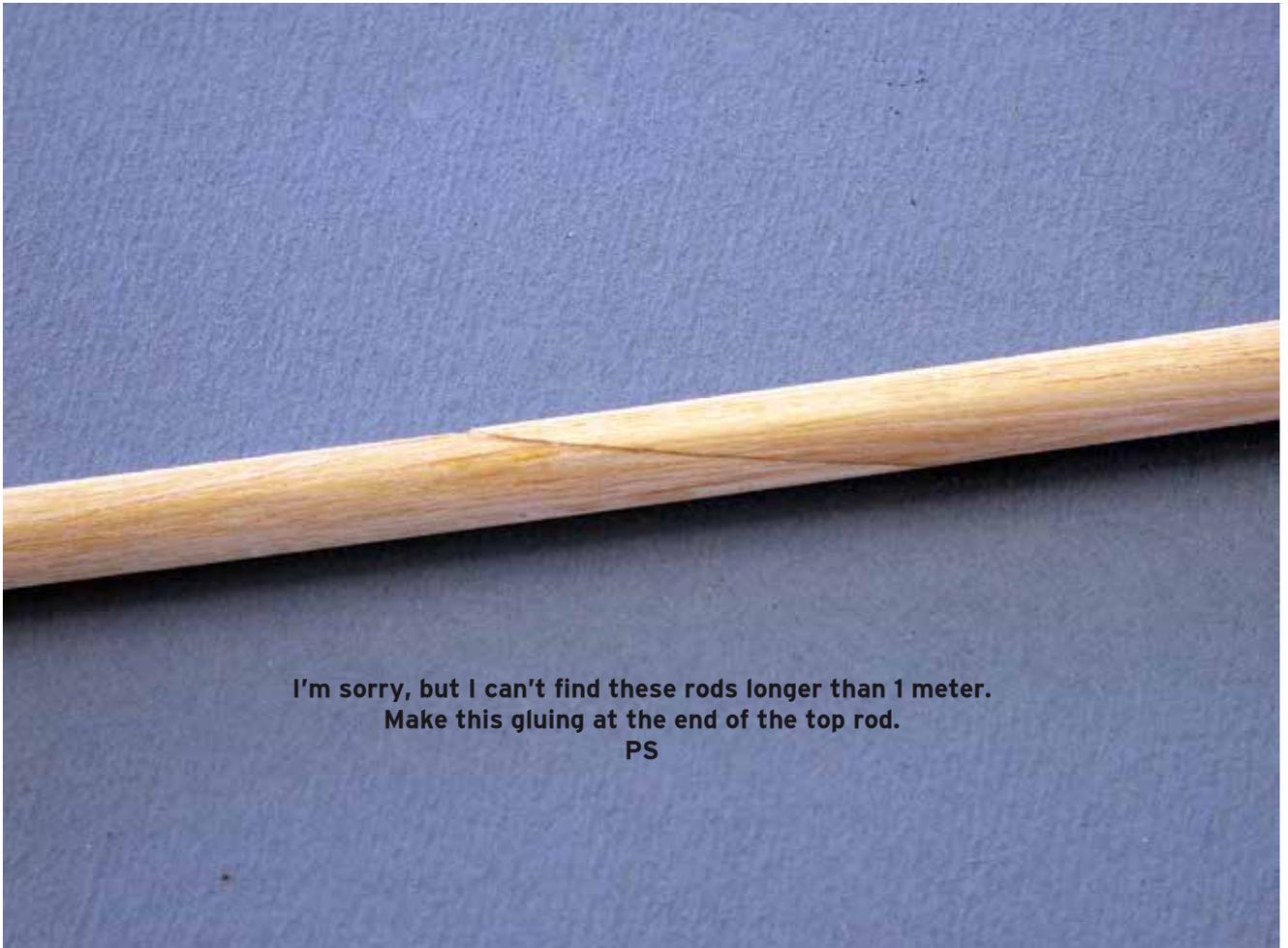


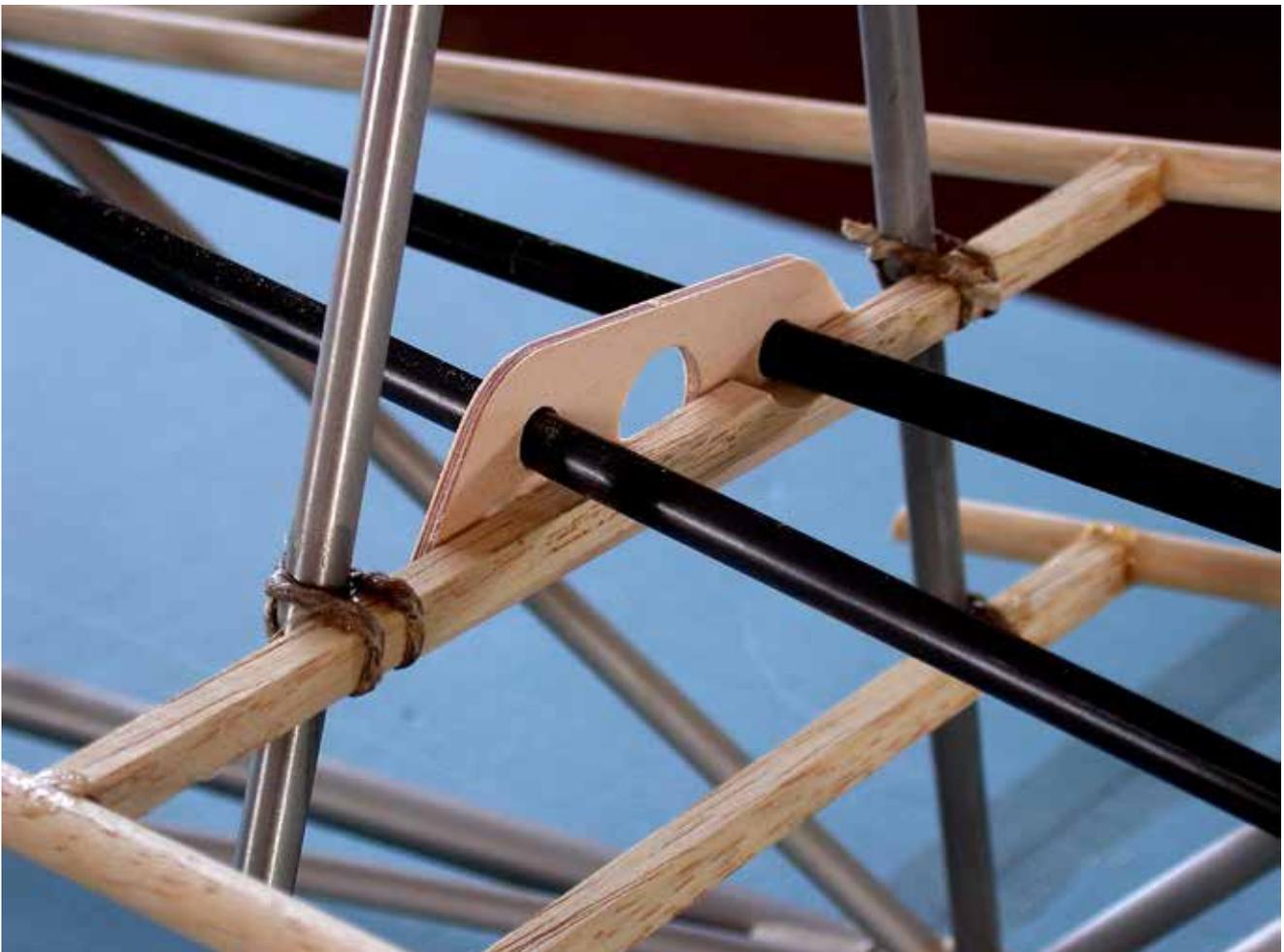
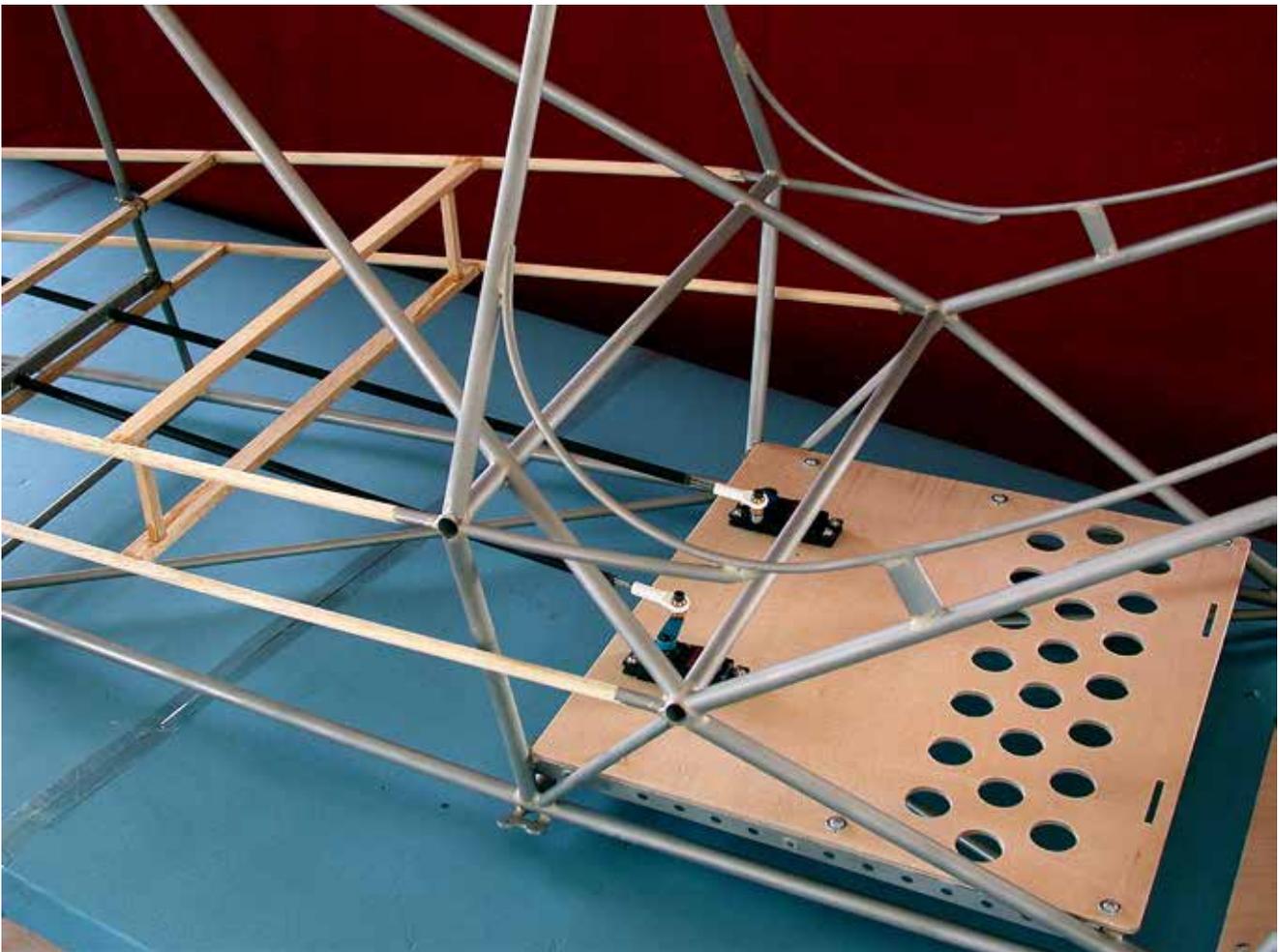


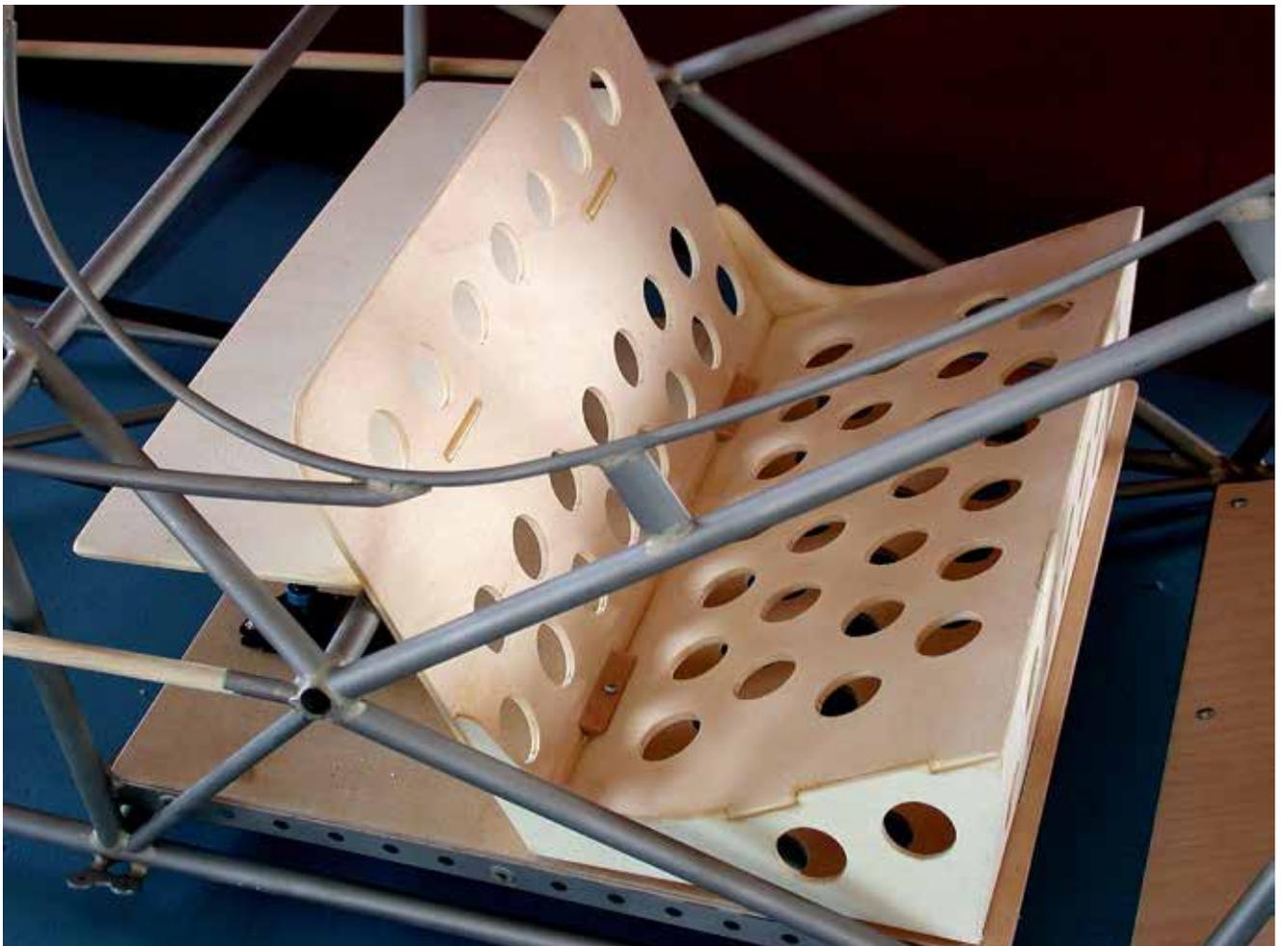
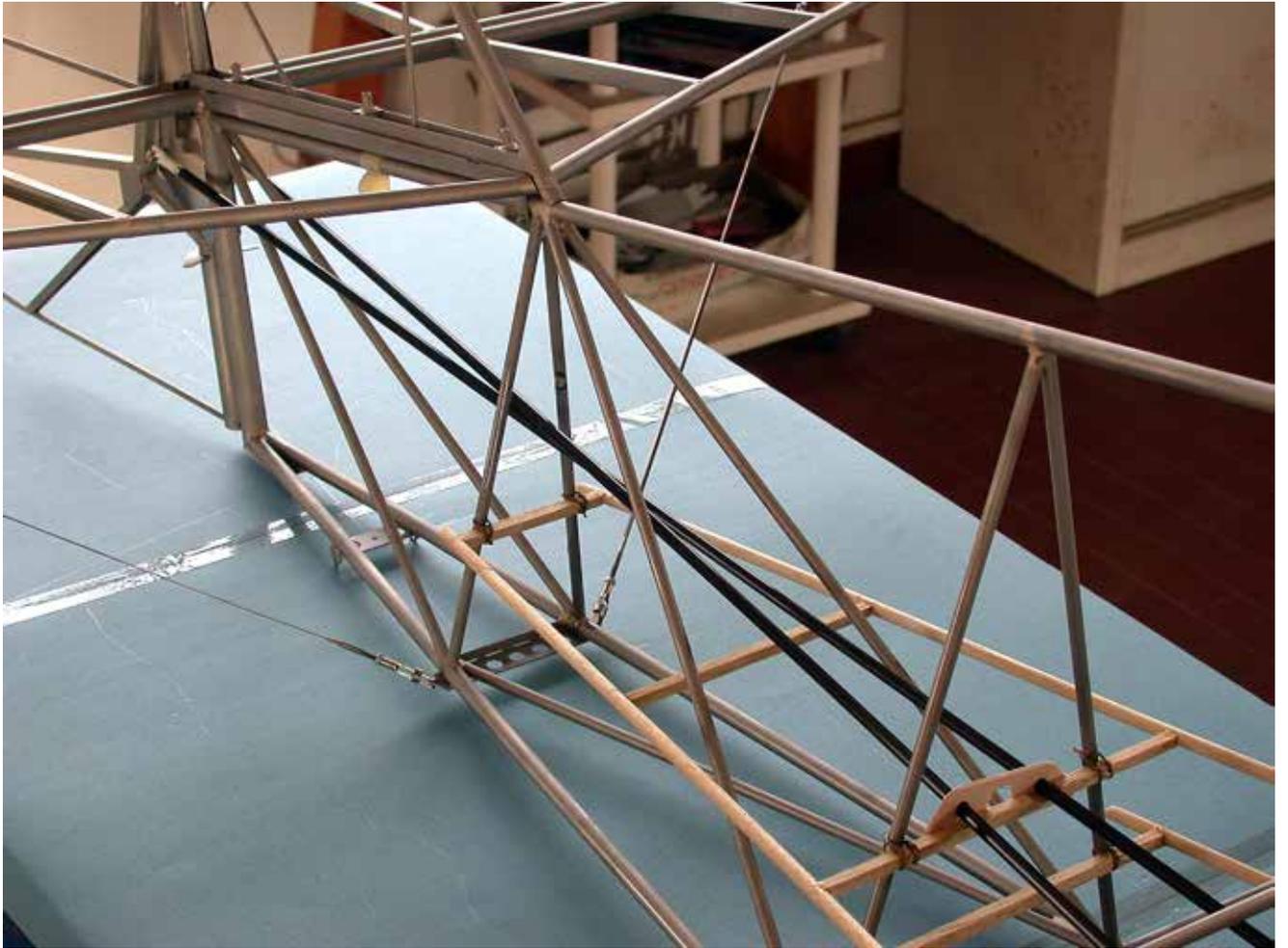














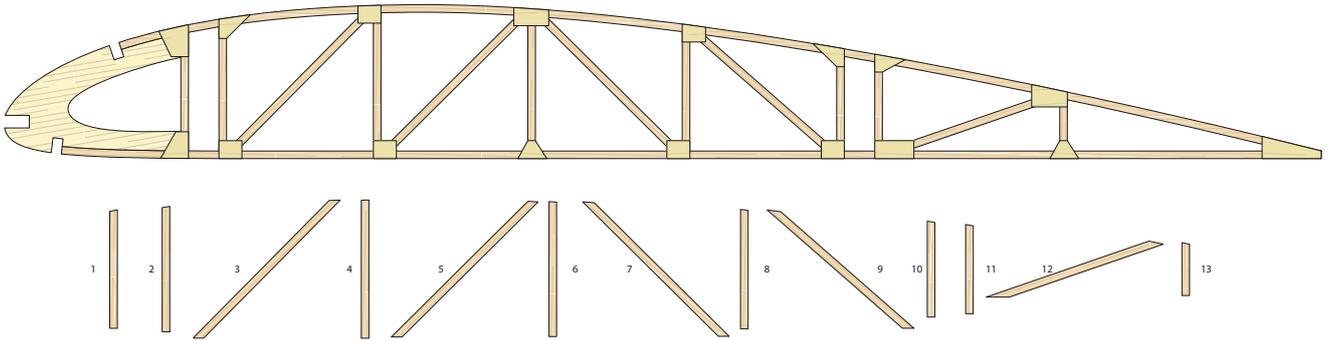
...the seat is right, it's your "tail plane" that's giant scale!





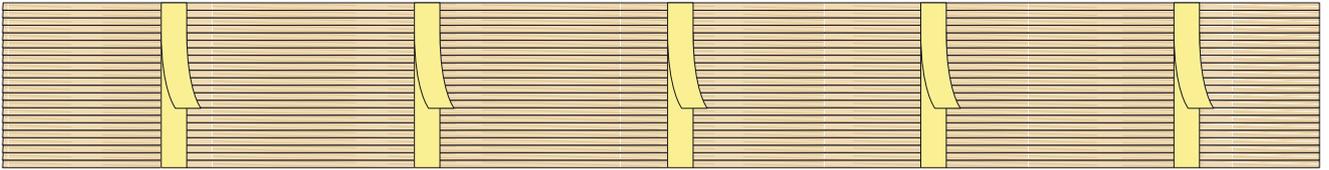
## 2. WING

## SCALE RIB BUILDING



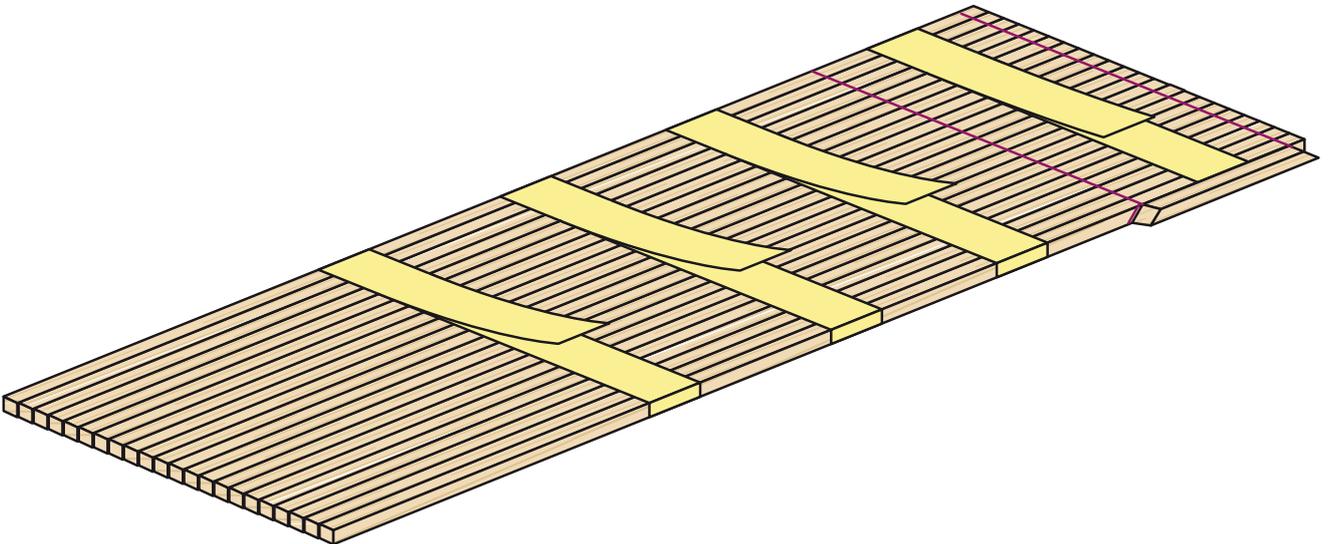
1.

Cut a set of bracing strips using the nylon mold as reference.



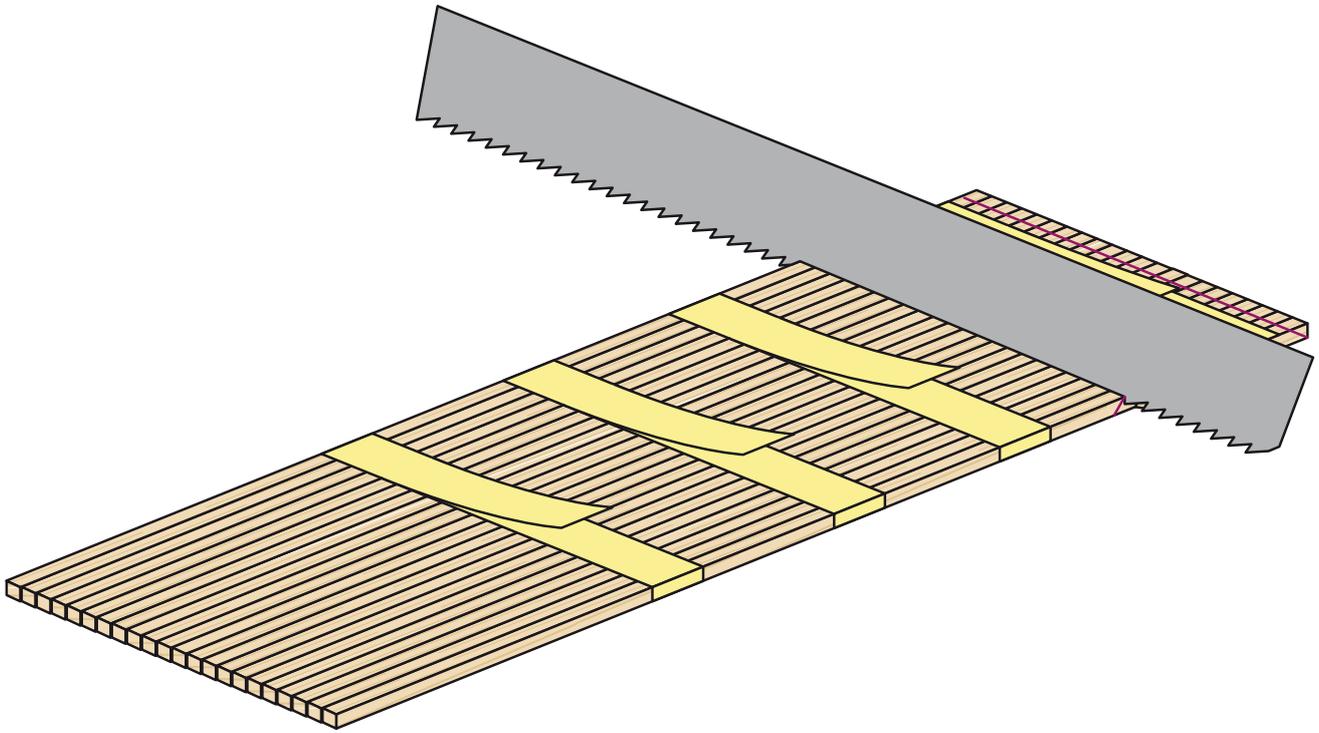
2.

Align some strips and lock with some paper adhesive band.  
The strips must be one for each rib that you need.

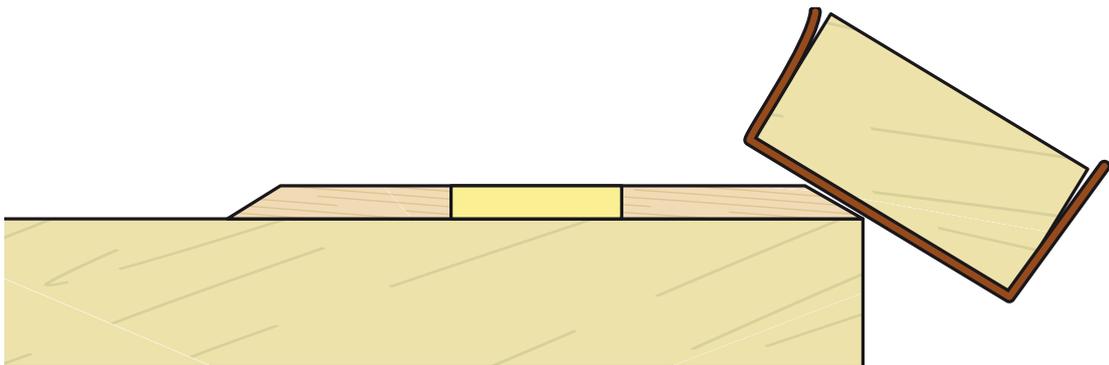


3.

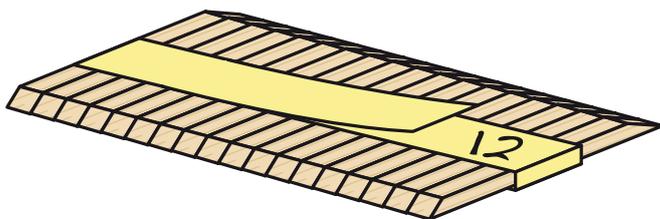
Align a bracing strip to side and trace the referring lines.



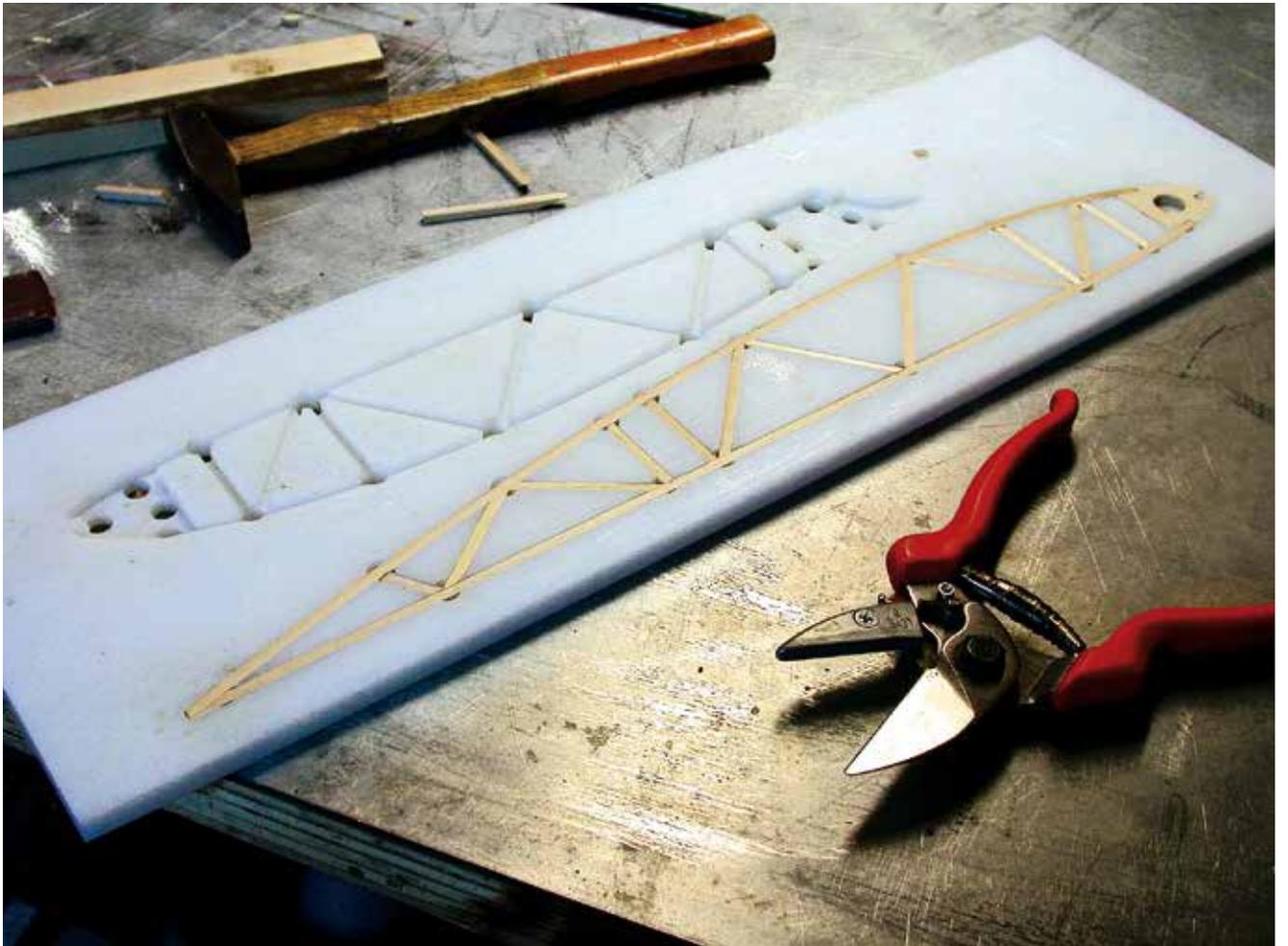
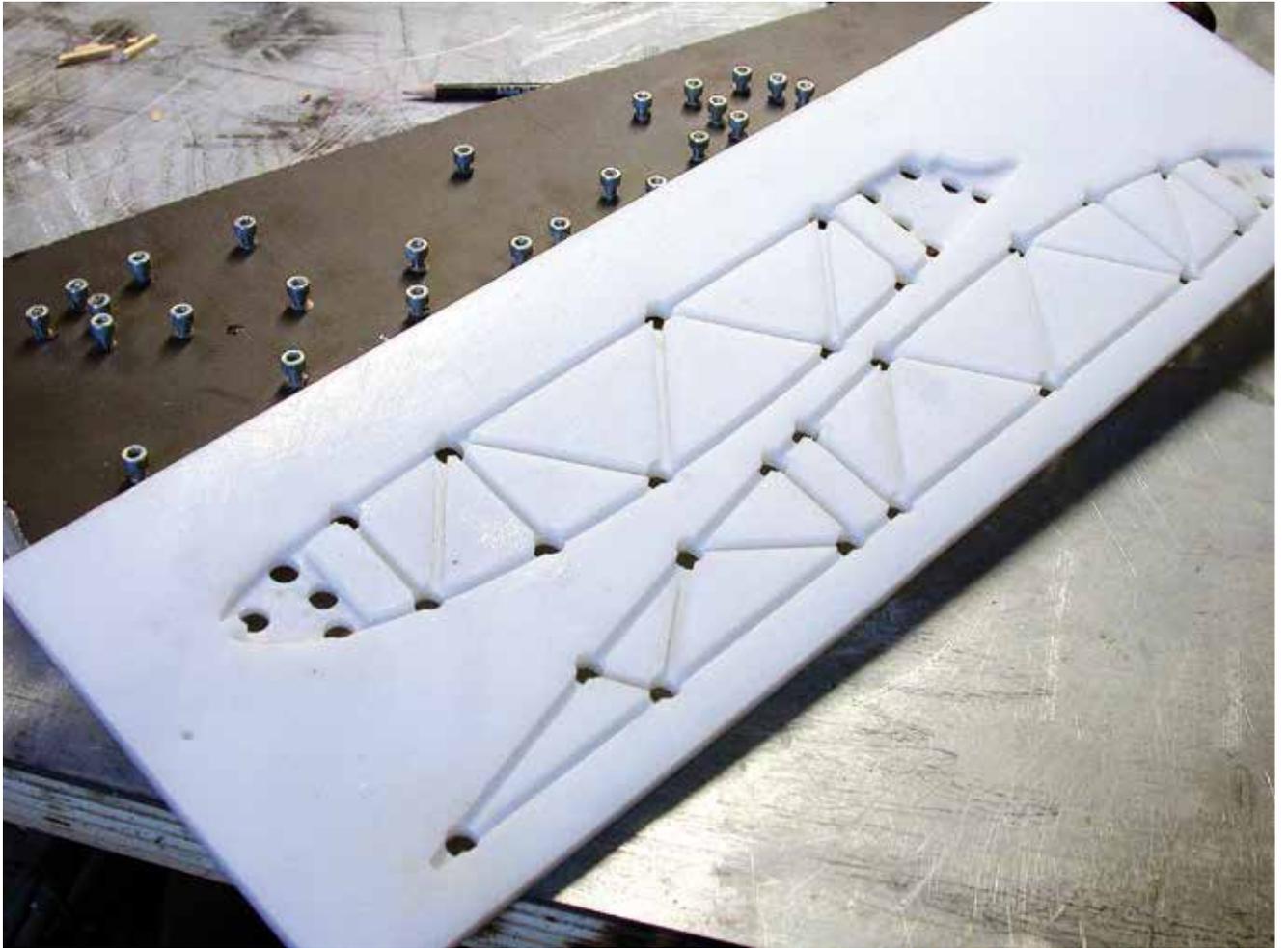
4.  
Saw a complete set of bracing strips.  
You can use also a disk saw with angle regulation.

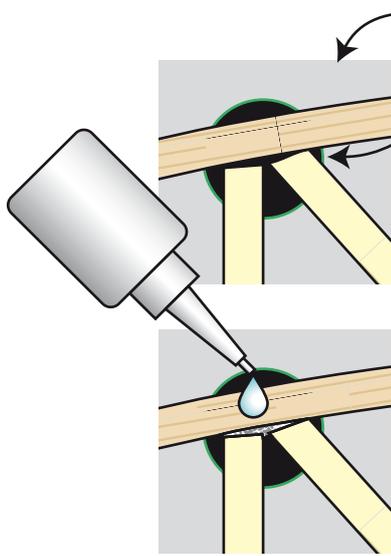


5.  
Refine the angle with sandpaper.



6.  
Mark each set with a referring nr.



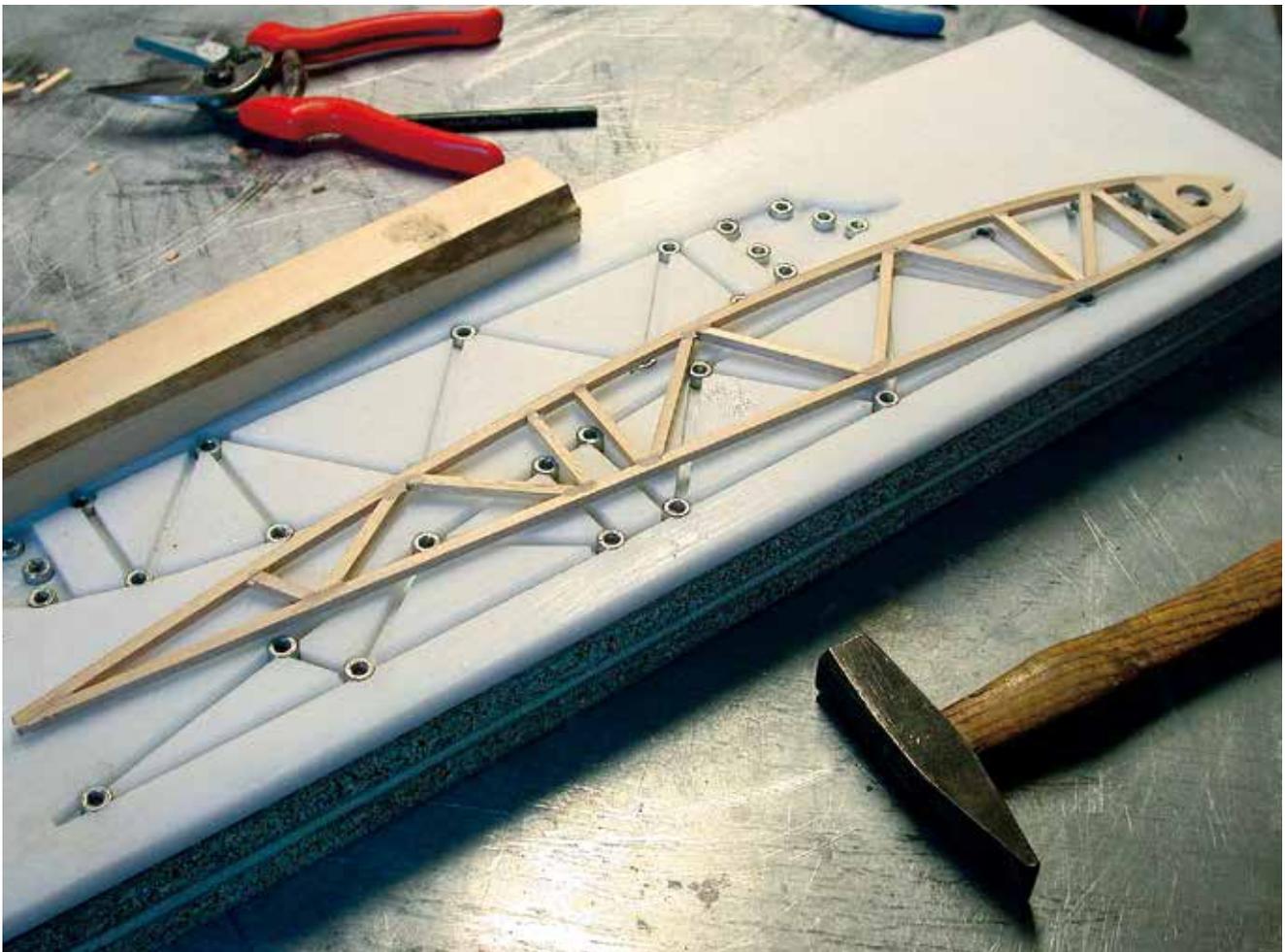


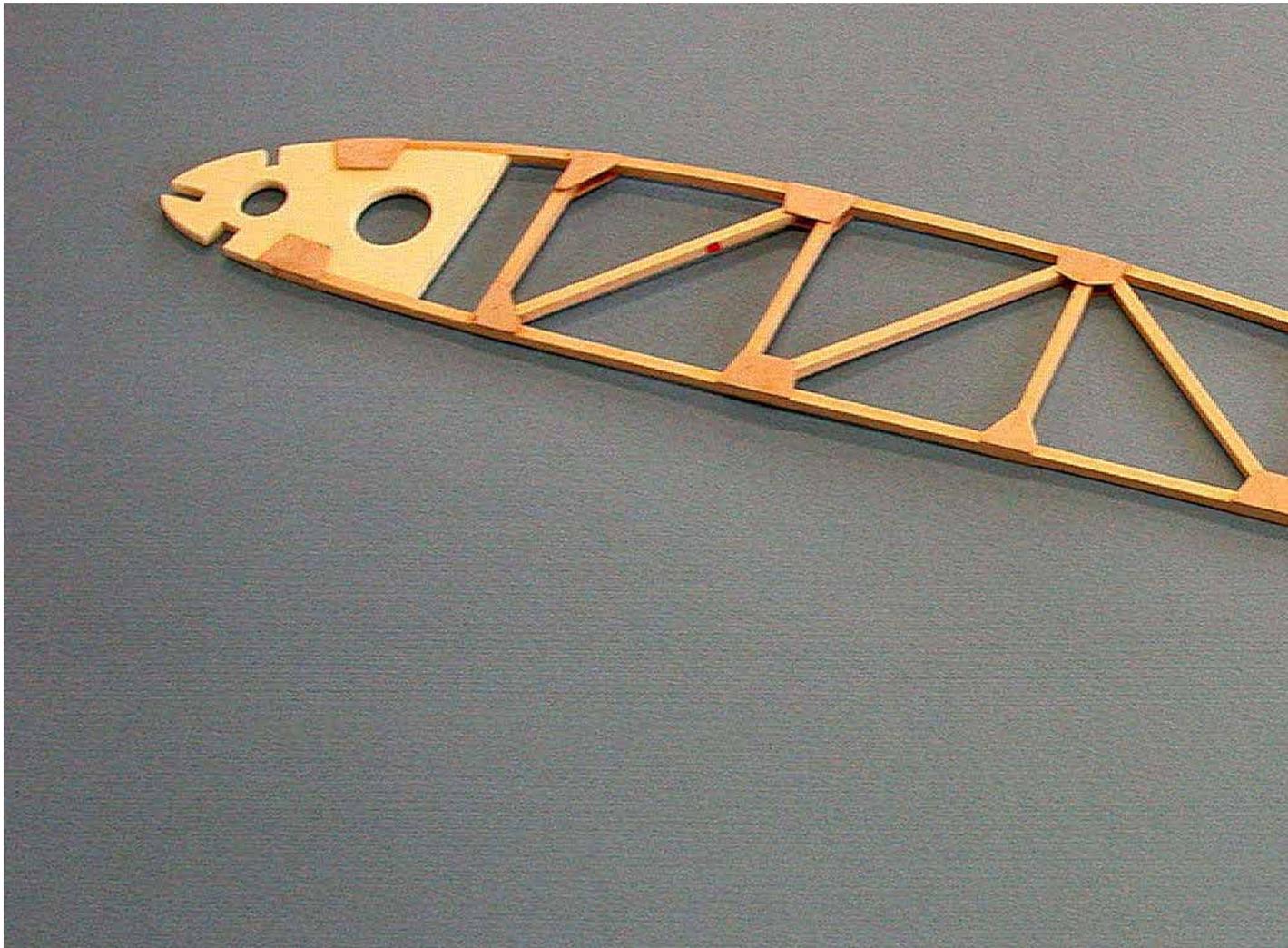
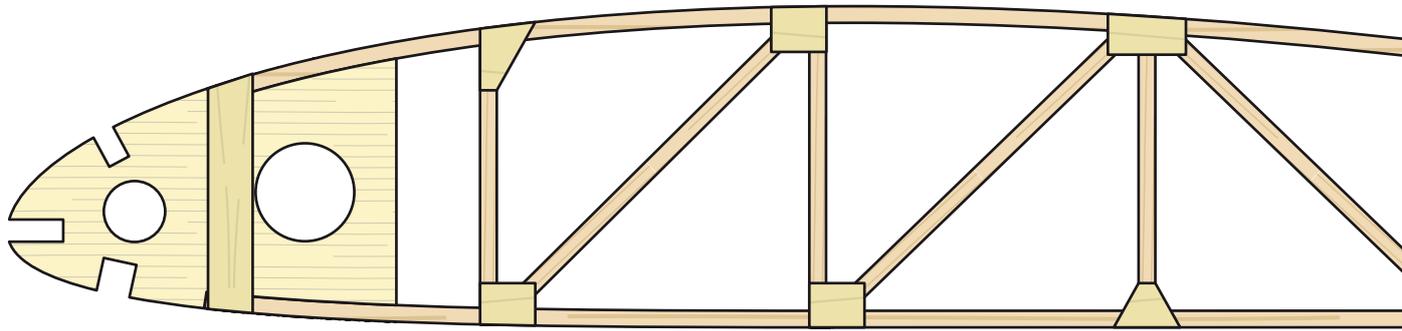
NYLON MOLD

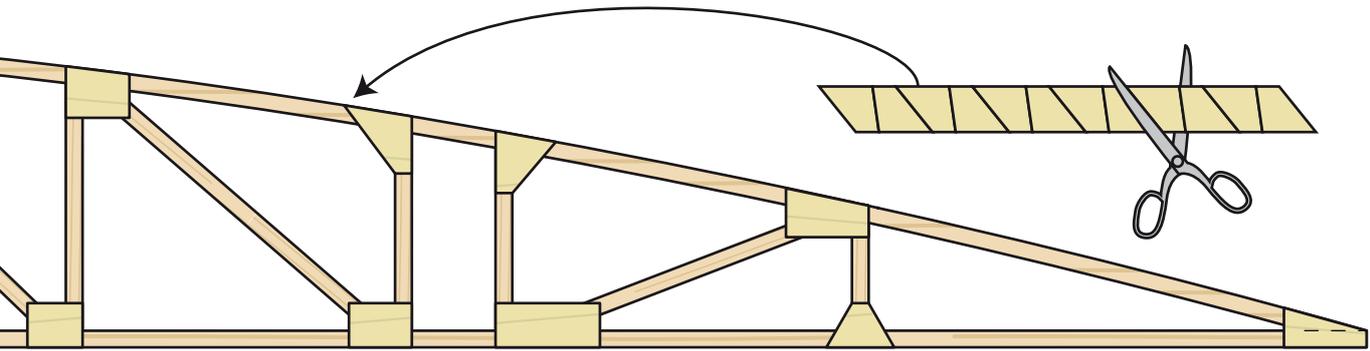
LOW ACCURACY IS BETTER!

PUT A BIT OF BICARBONATE POWDER  
IN THE SPACE BETWEEN THE STRIPS  
AND GLUE WITH A DROP OF CYANOACRYLATE.

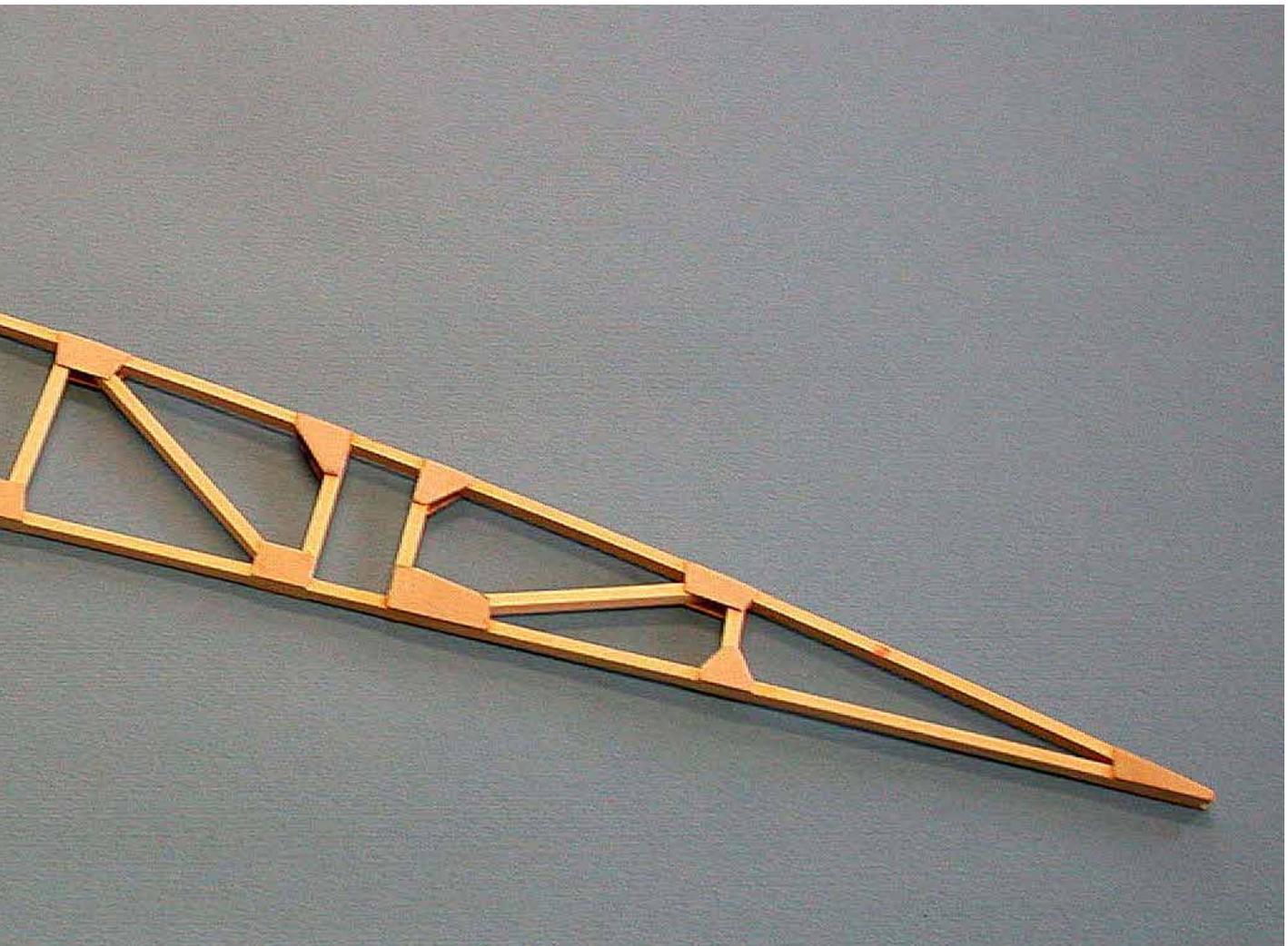
Note: the ribs shown are of the Bucker kit.  
For the C3 ribs use the same procedure.



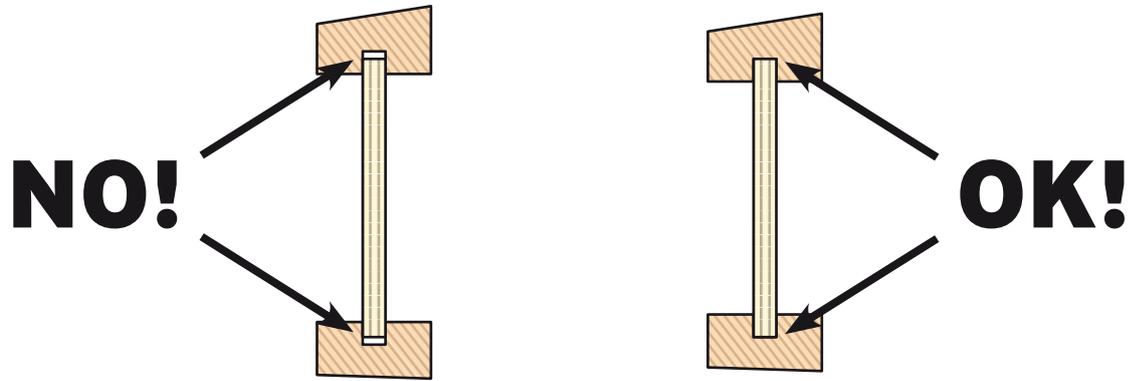




MAKE THE GUSSETS WITH A 0,8 MM PLY STRIPS

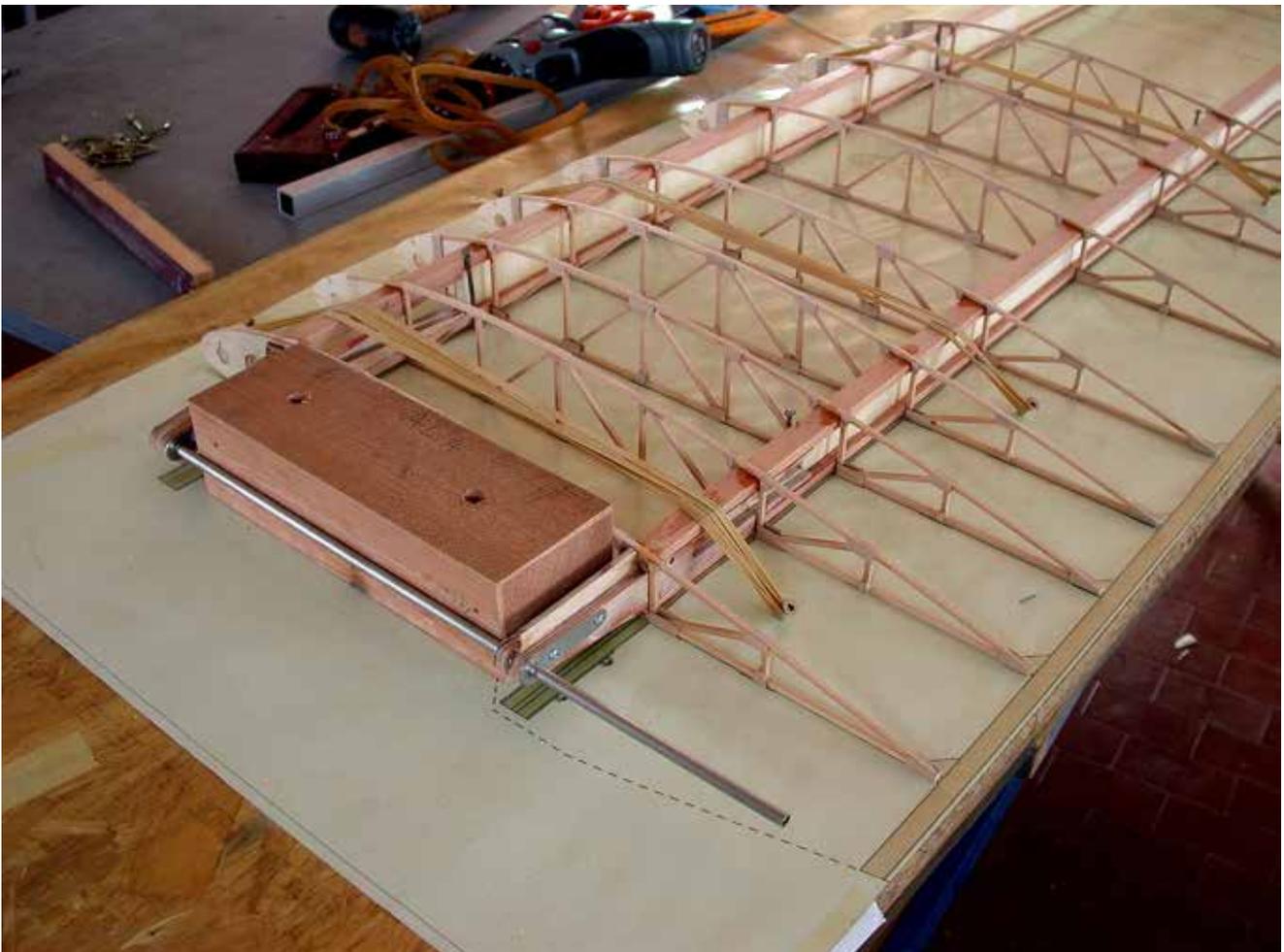




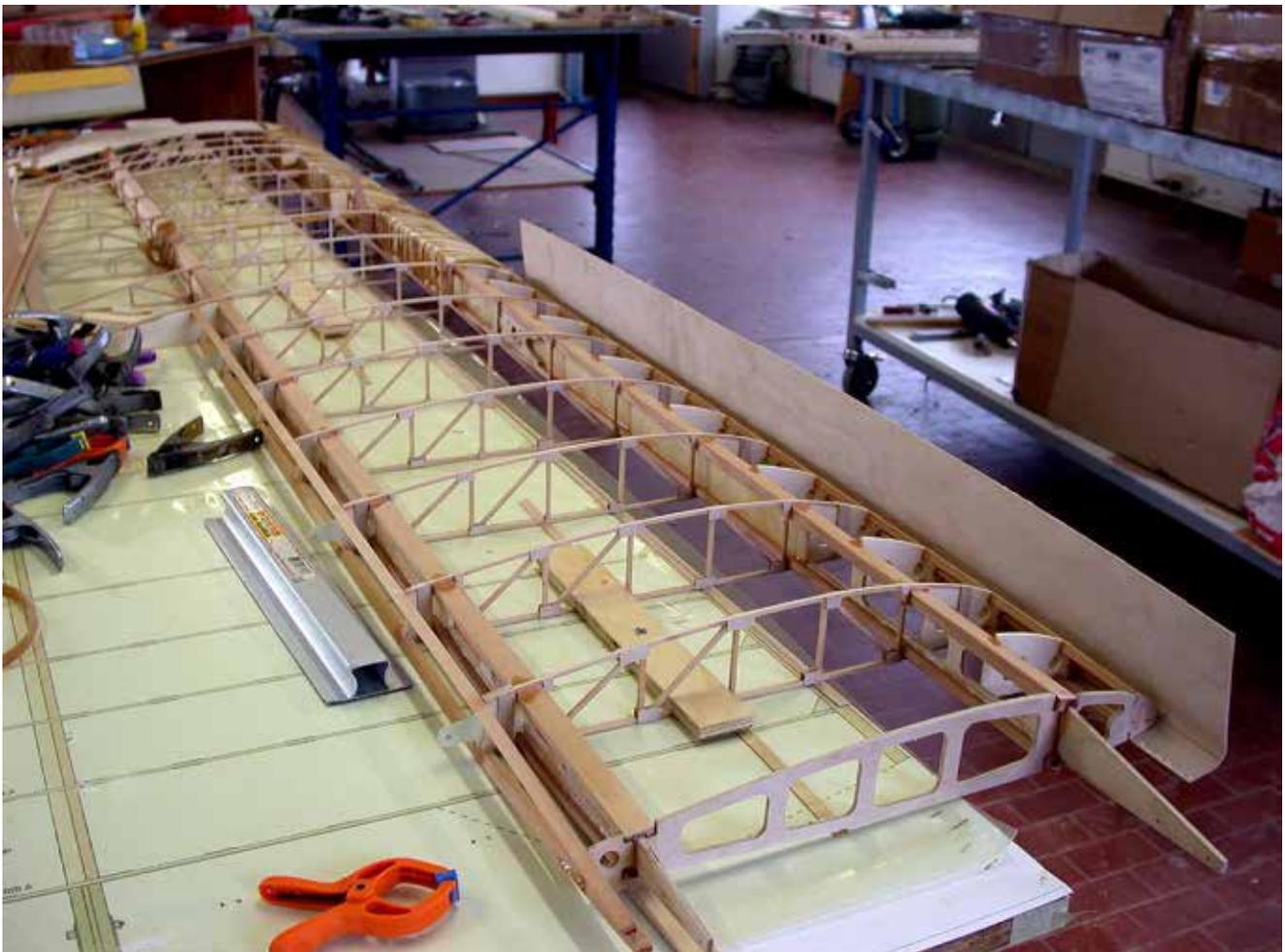
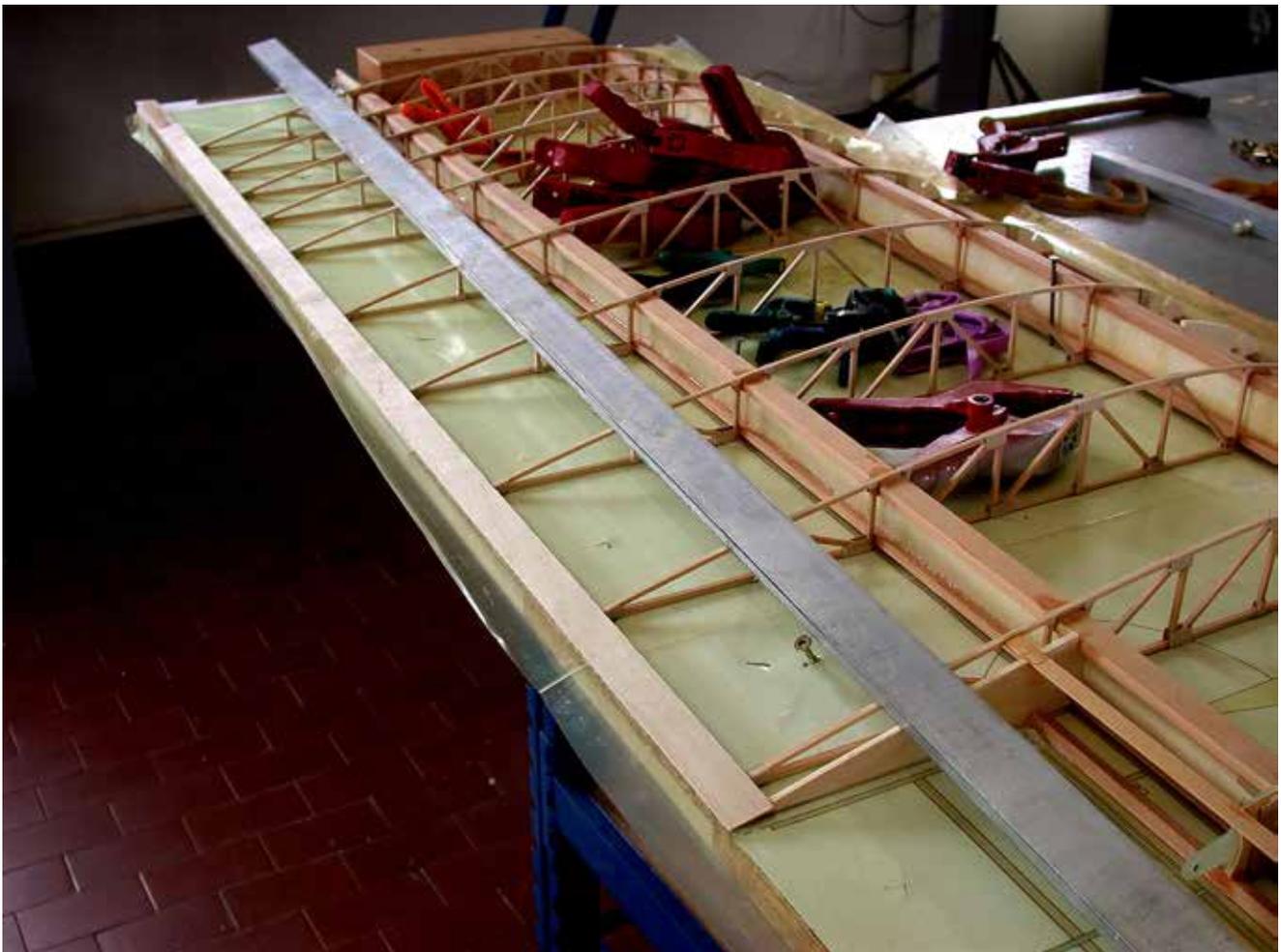


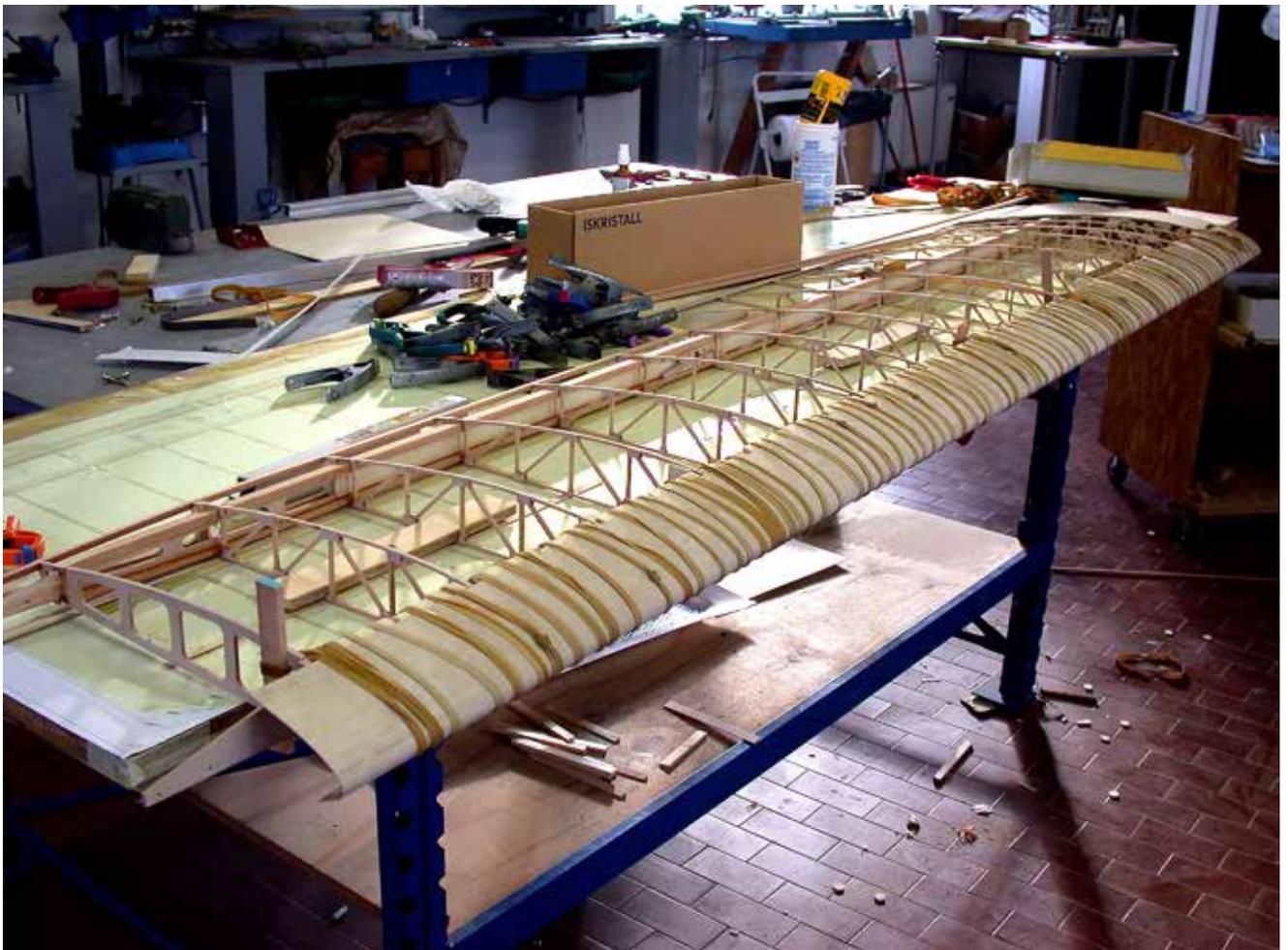
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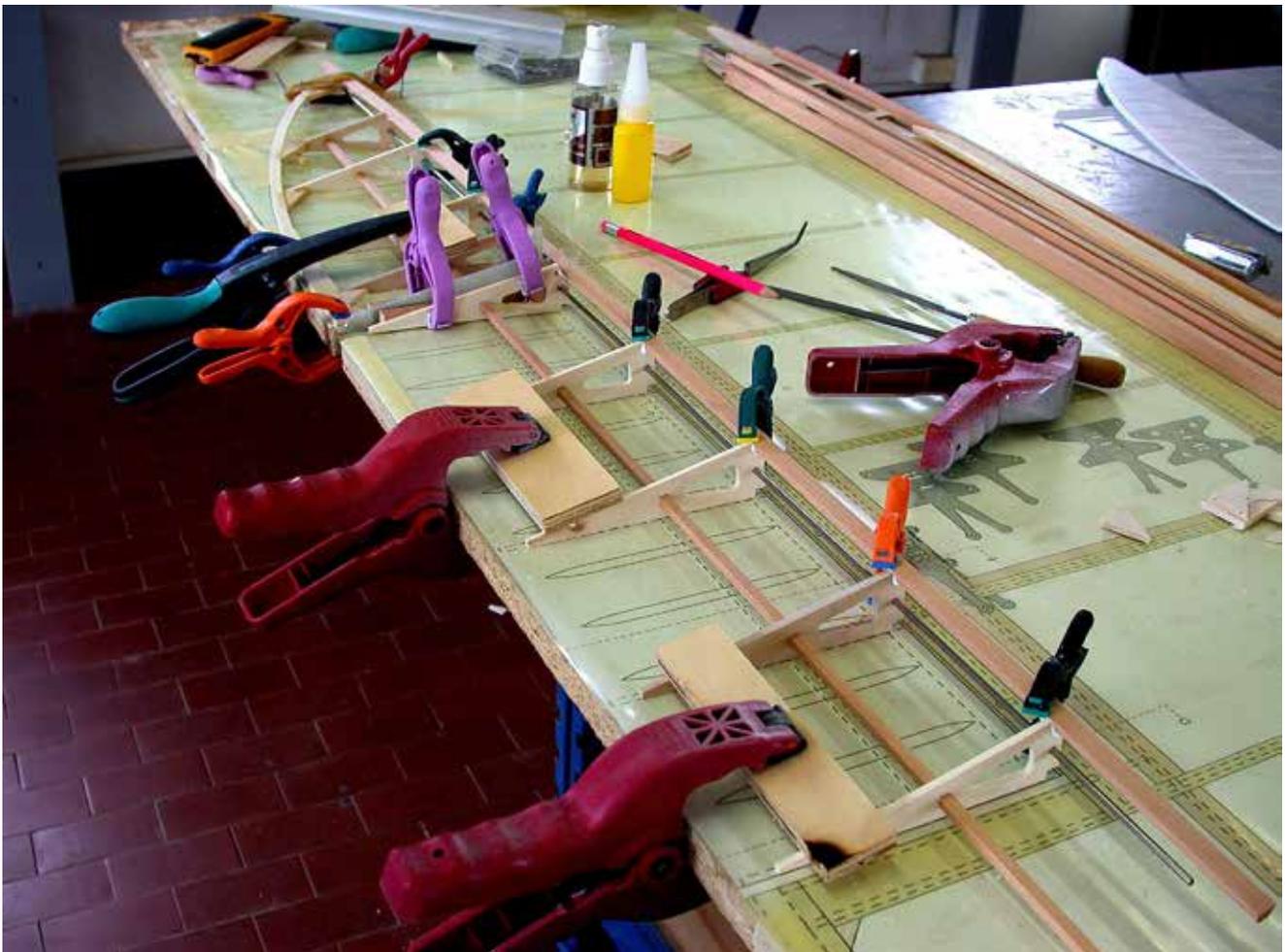
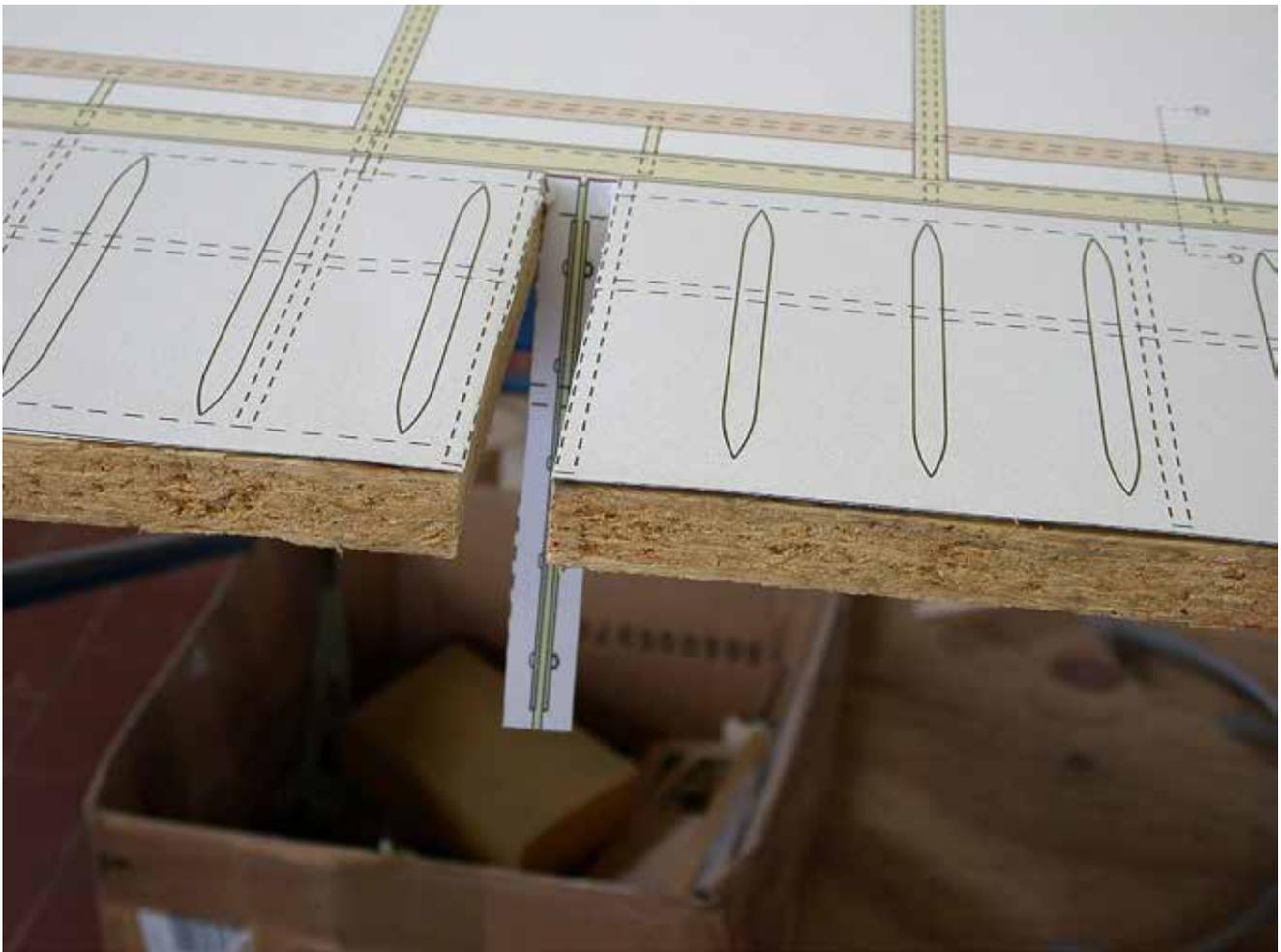
If you decide to glue the the spars as in the front page,  
be sure to insert completely the diaphragms!  
You can also choice do not glue the diaphragms to the spar,  
to mount a full wing on the mounting plan, placing all the ribs,  
then paste the diaphragm to the spar with plenty of cyano very fluid.

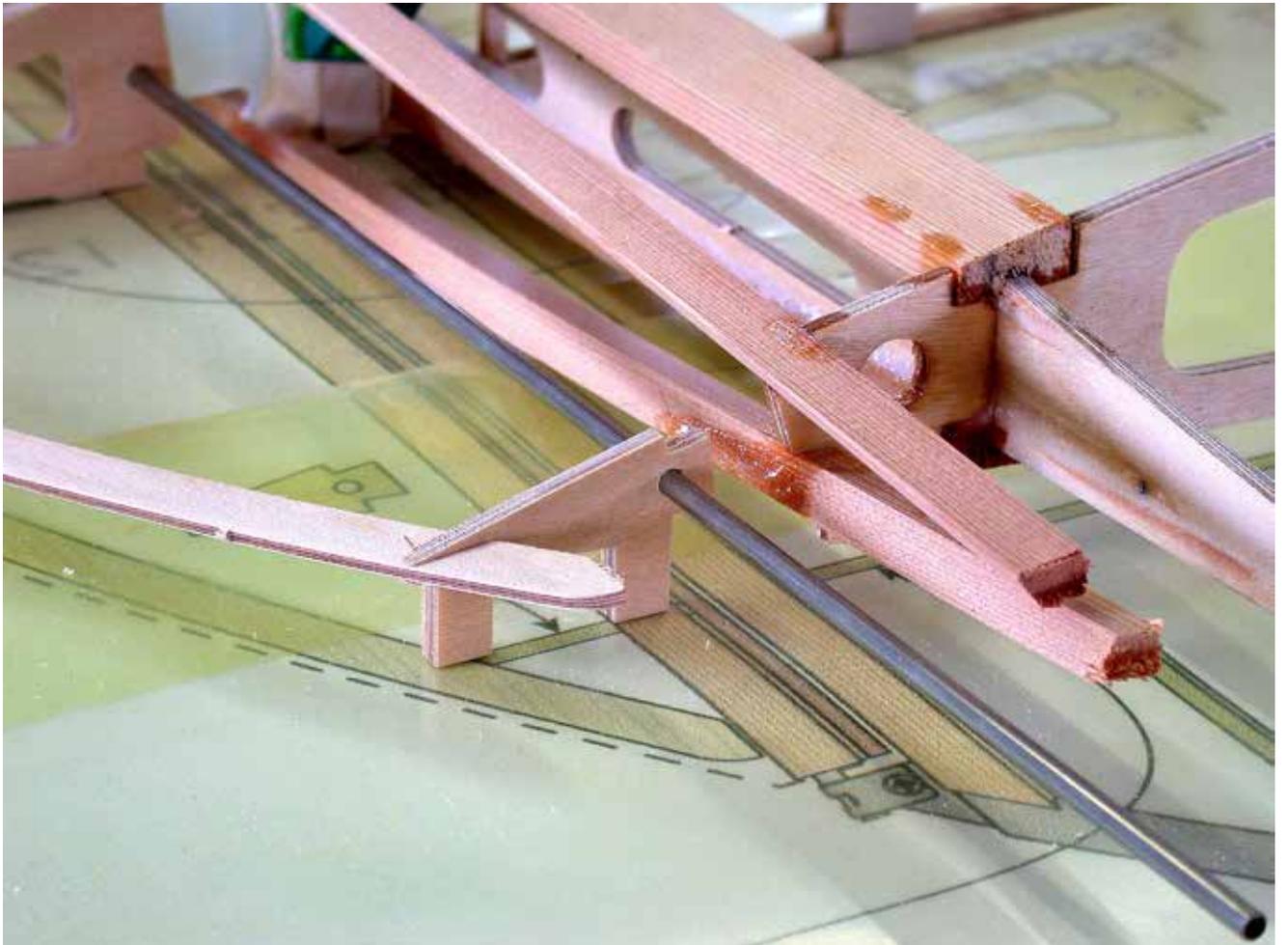




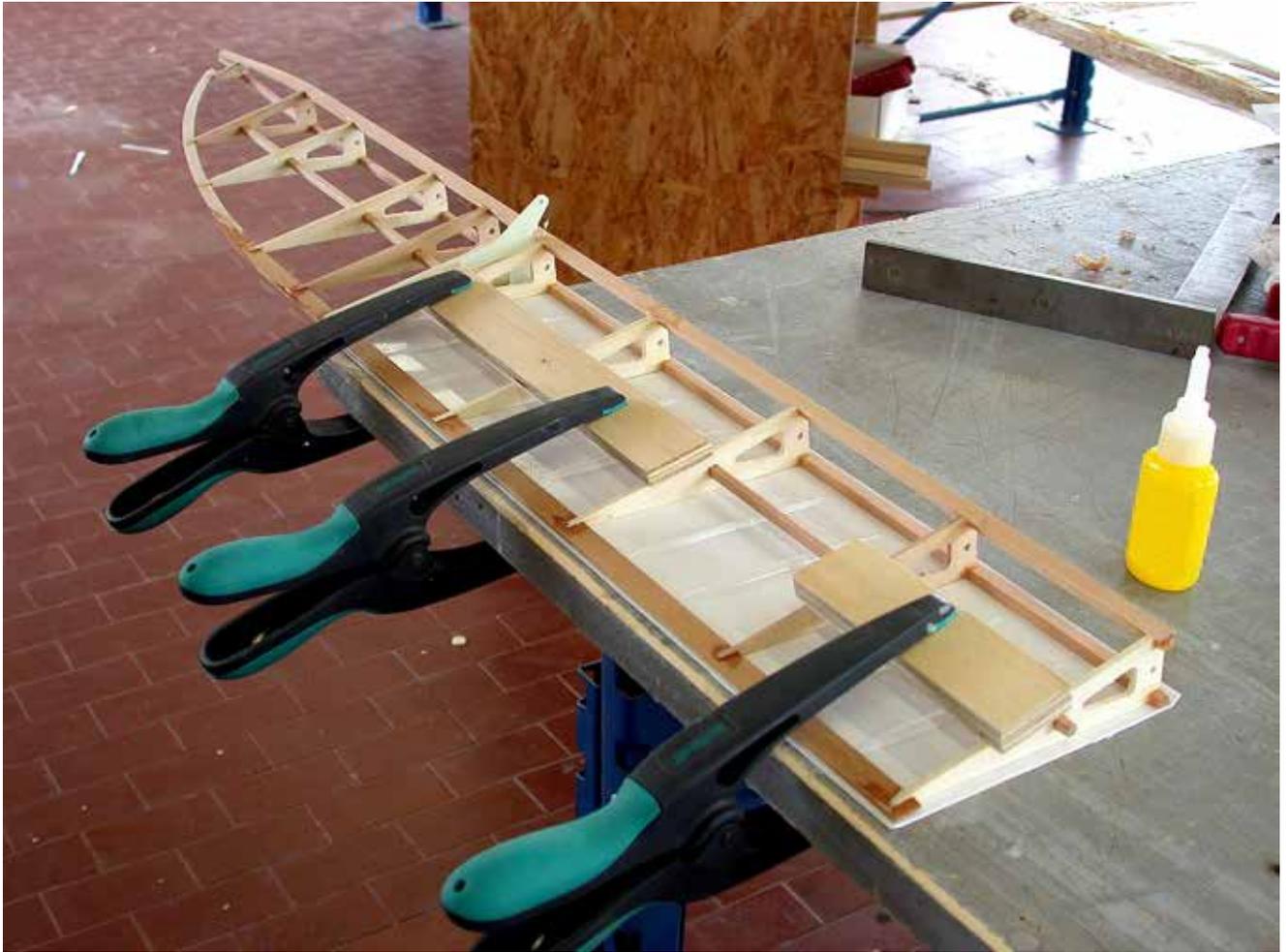










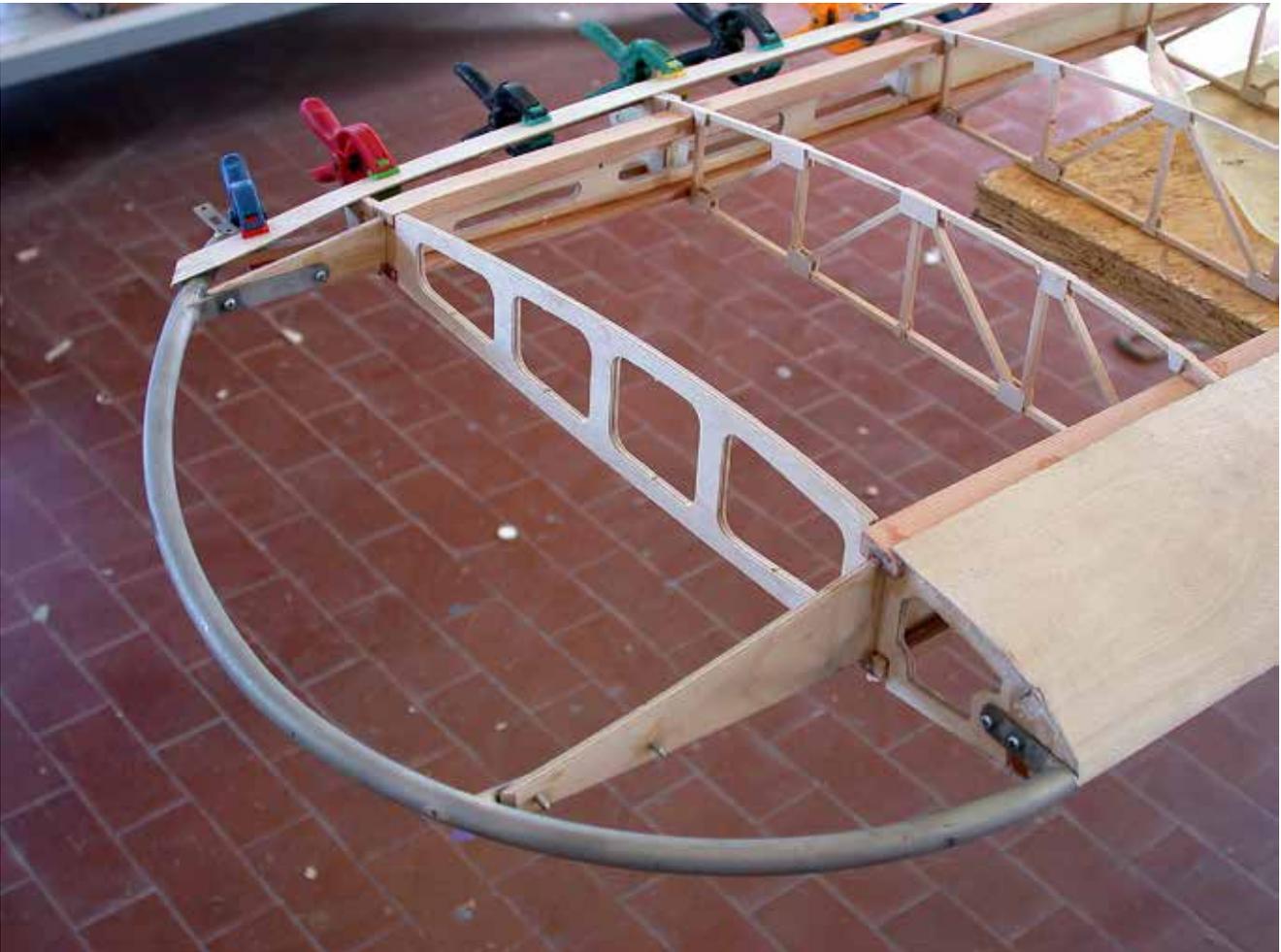


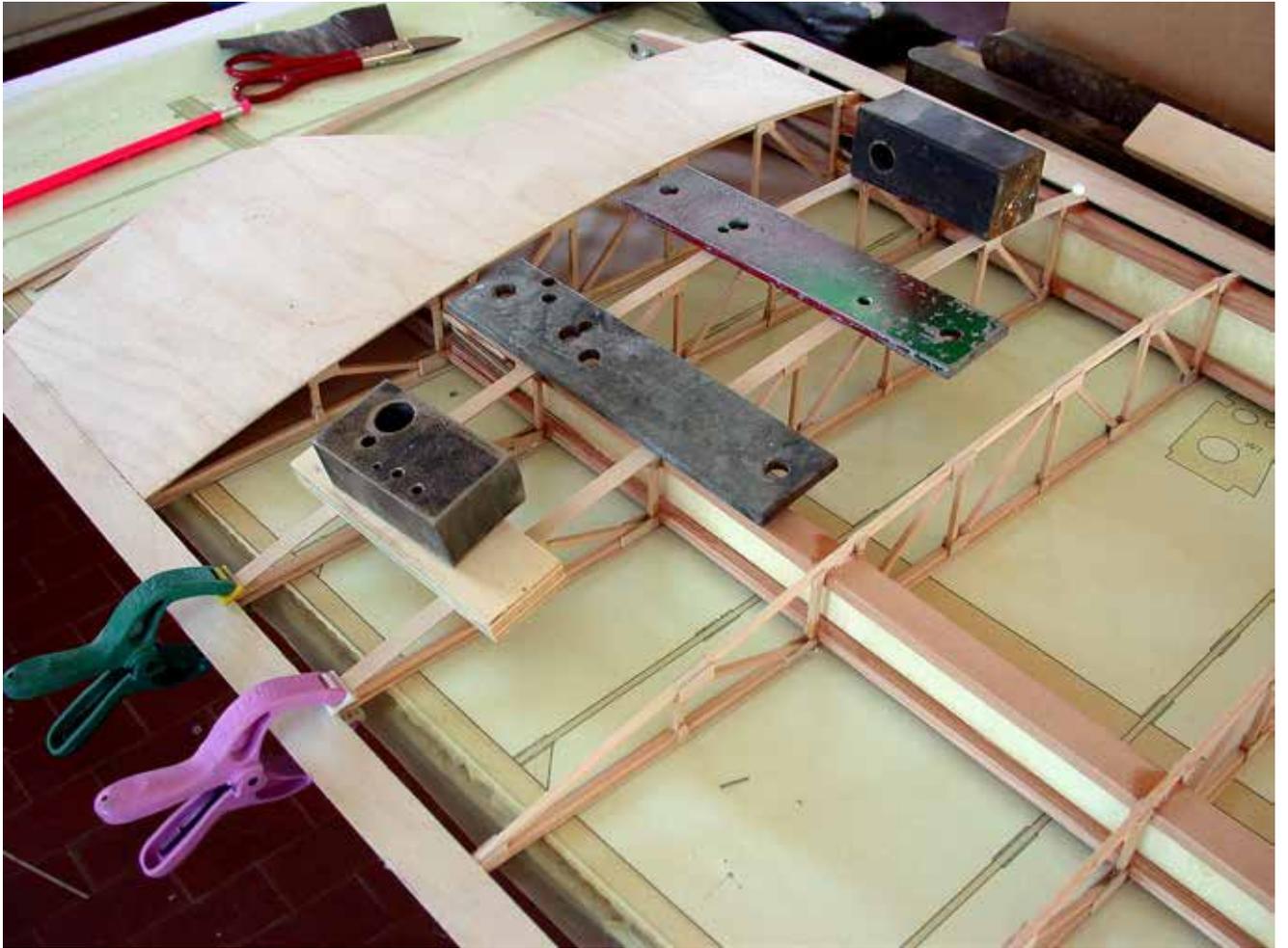




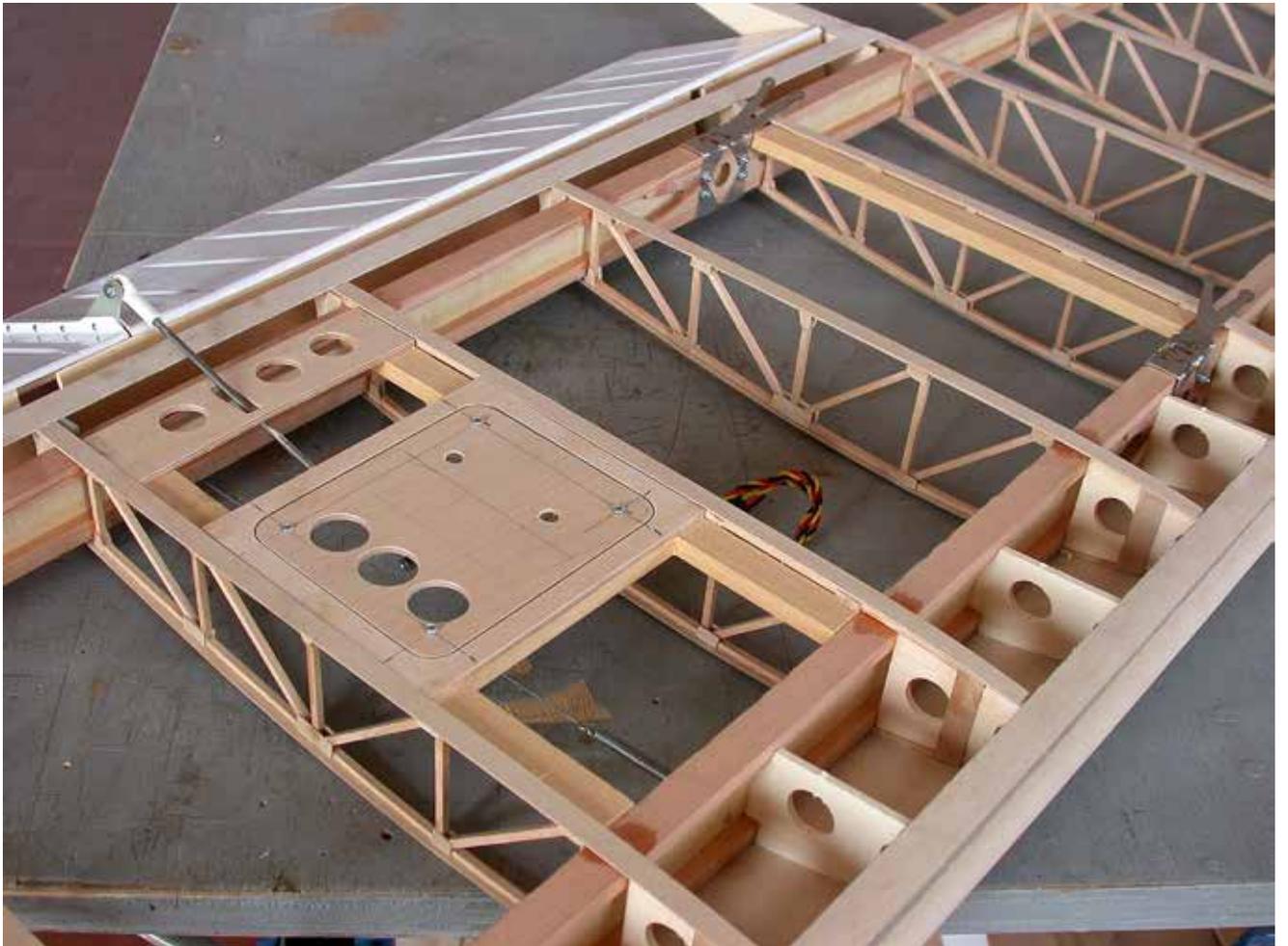
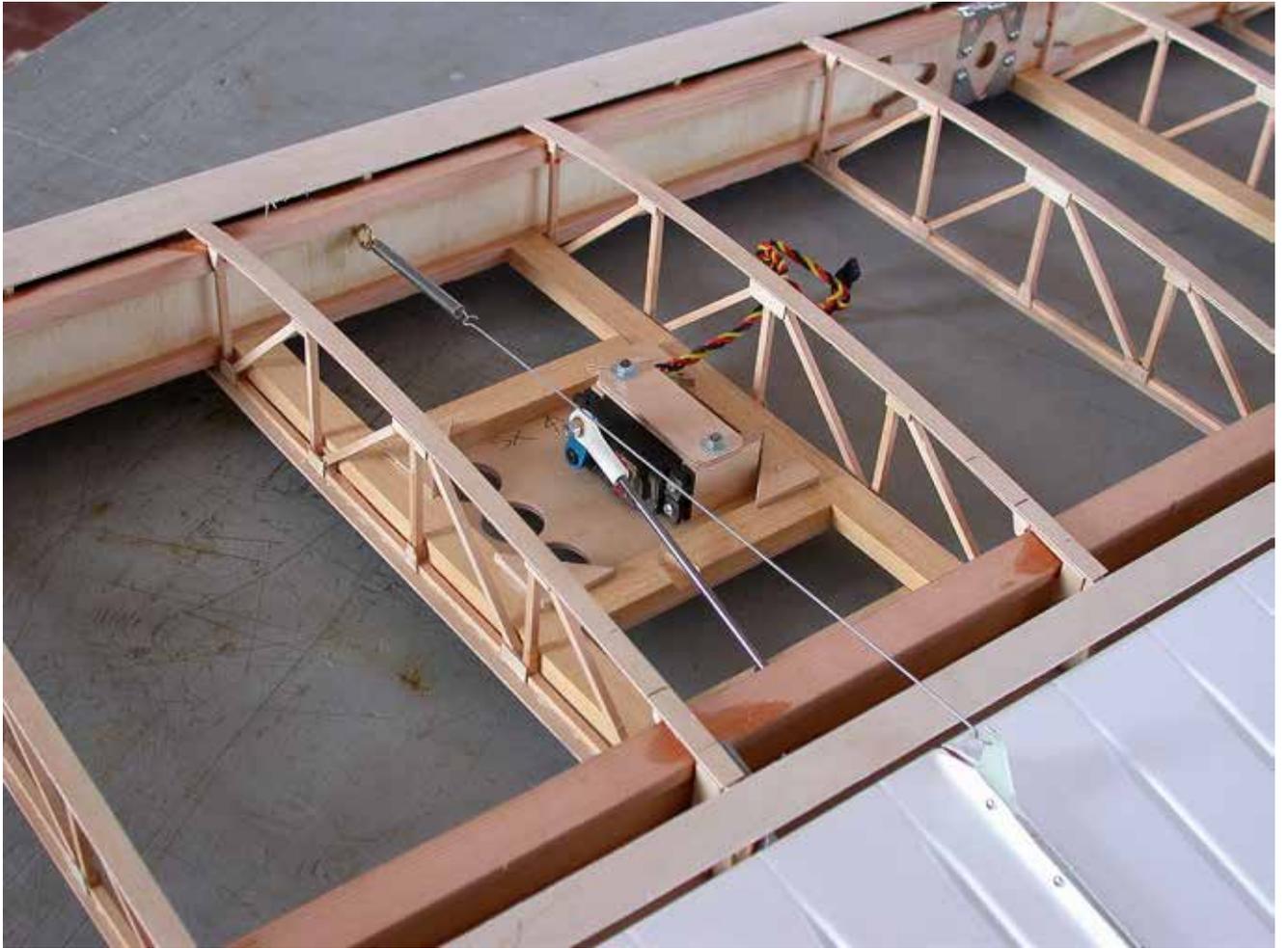


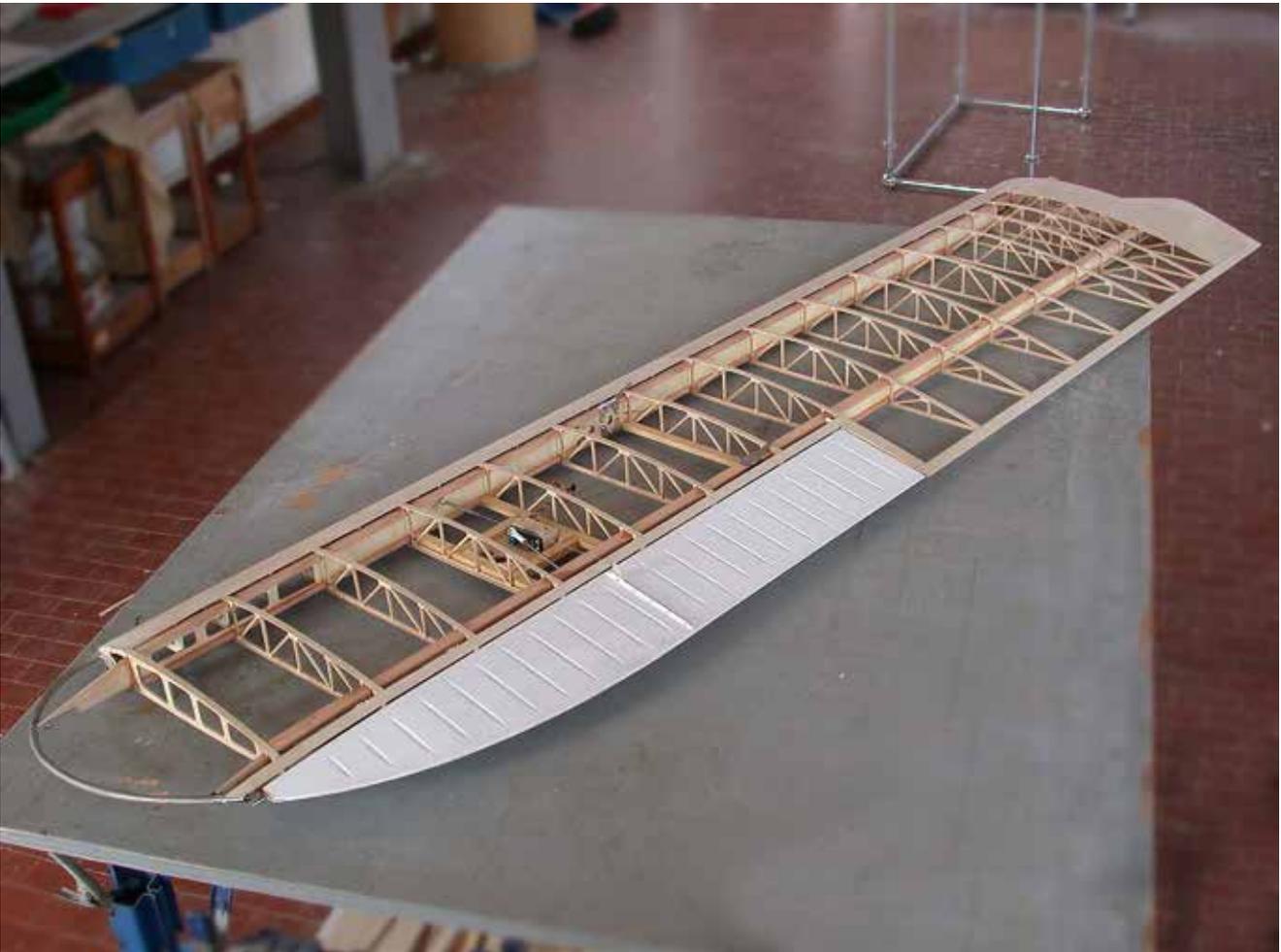




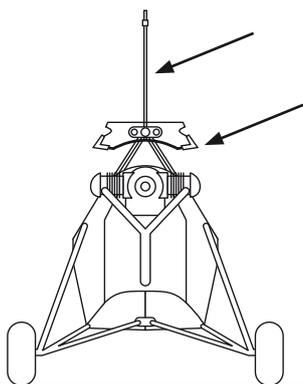






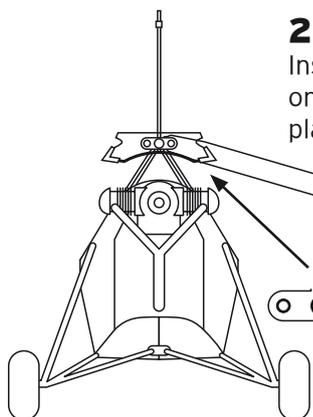
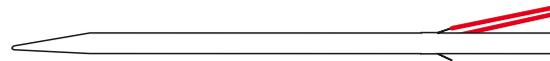


## Mounting sequence on the airfield

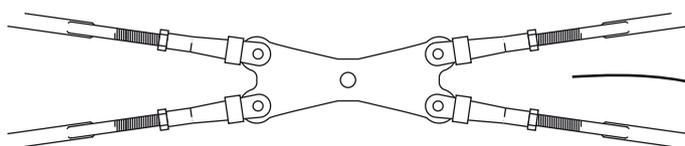
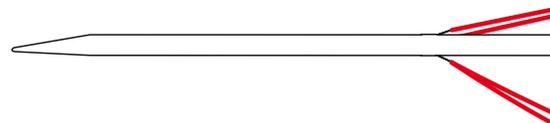
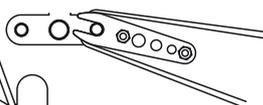


**1**  
Mount the gin on the fuselage.

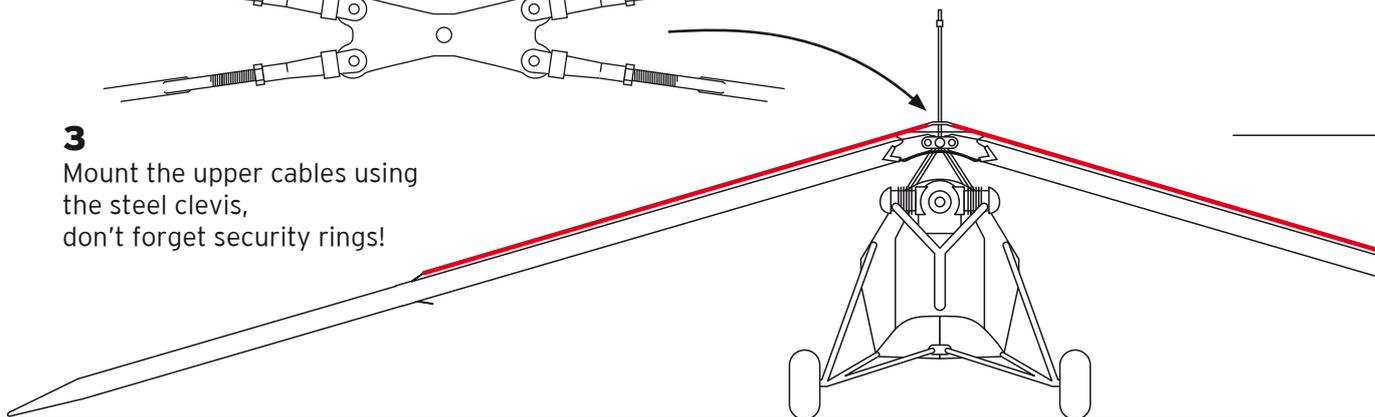
Release the front fastening  
of the windscreen.

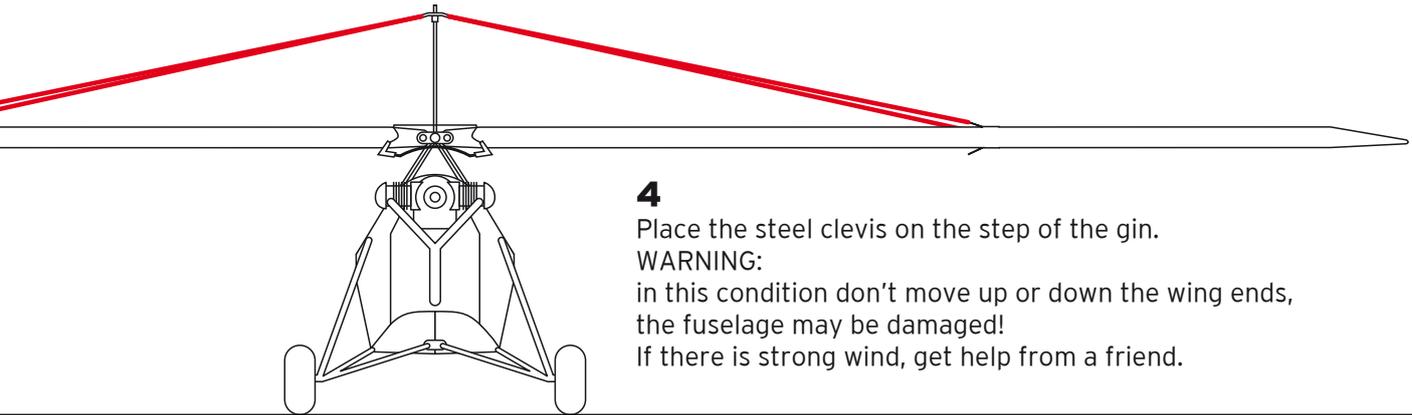


**2**  
Insert the forks of the wings  
on the fuselage tubes,  
placing the wing ends on the ground.



**3**  
Mount the upper cables using  
the steel clevis,  
don't forget security rings!





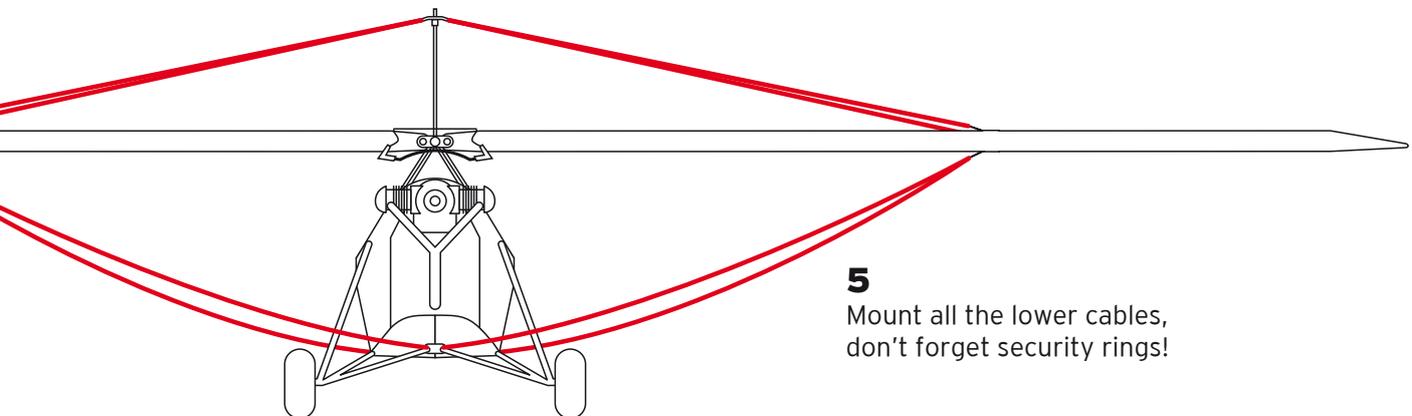
**4**

Place the steel clevis on the step of the gin.

**WARNING:**

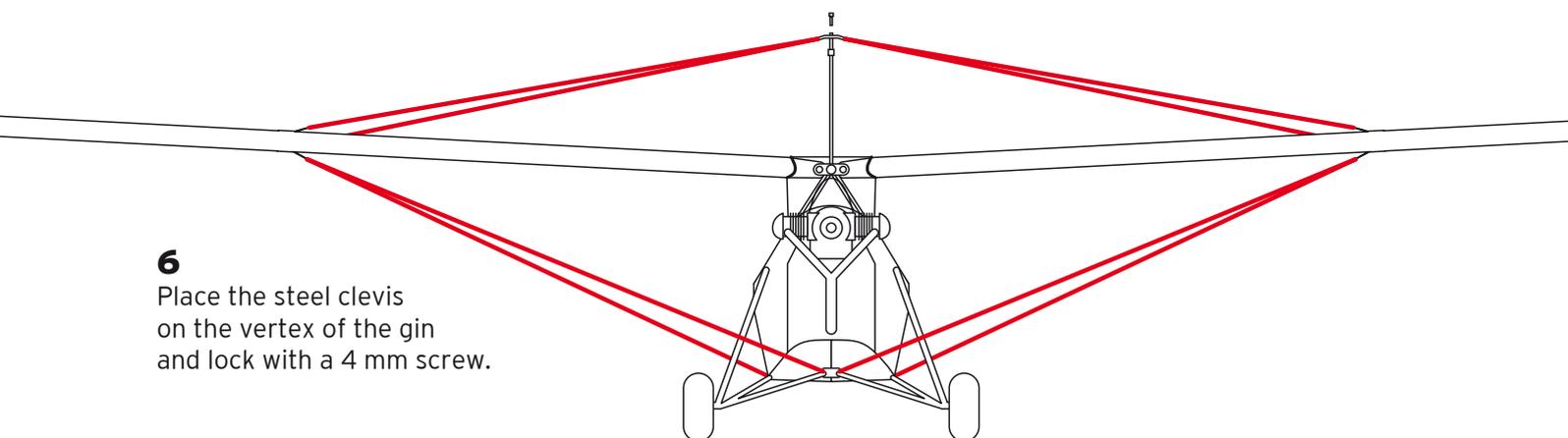
in this condition don't move up or down the wing ends,  
the fuselage may be damaged!

If there is strong wind, get help from a friend.



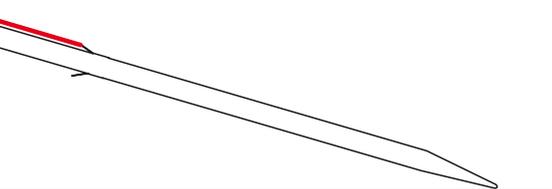
**5**

Mount all the lower cables,  
don't forget security rings!



**6**

Place the steel clevis  
on the vertex of the gin  
and lock with a 4 mm screw.



**Note:**

Of course, earlier, all cables must be perfectly adjusted  
and all clevis blocked by the nuts.

We suggest to make all the adjustments  
before covering the model.

## **AERONCA C3 1/2,5 (40%) SCALE**

Wingspan: 4,4 mt (14,5 ft)

Length: 2,5 mt (8,2 ft)

Wing area: 200 sq/dm (21,5 sq/ft) approx

Weight: 17,5 Kg / (38,6lb)

Engine: Valach VM 120B2 - 4T 120 cc

Projected and drawn by Paolo Severin - August 2012

[www.paoloseverin.it](http://www.paoloseverin.it)

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