



Brotherhood of the Ring, Romanian Section

How I built and flew Grunau Baby Control Line Scale Model Glider

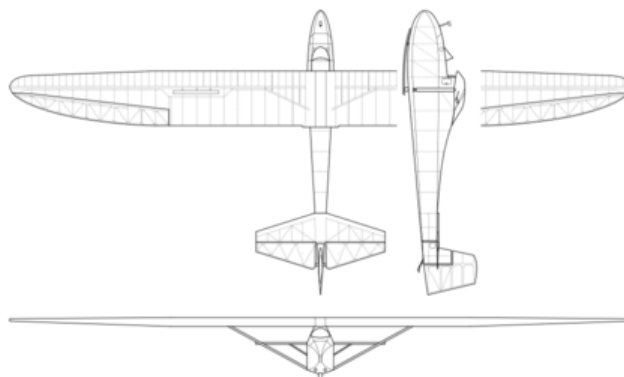
Daniel Petcu, PhD

Specifications (Baby IIb)

Data from The World's Sailplanes: Die Segelflugzeuge der Welt: Les
Planeurs du Monde²

General characteristics

- **Crew:** one
- **Length:** 6.09 m (20 ft 0 in)
- **Wingspan:** 13.57 m (44 ft 6 in)
- **Wing area:** 14.2 m² (153 sq ft)
- **Aspect ratio:** 13
- **Airfoil:** Göttingen 535
- **Empty weight:** 170 kg (375 lb) (equipped)
- **Max takeoff weight:** 250 kg (551 lb)



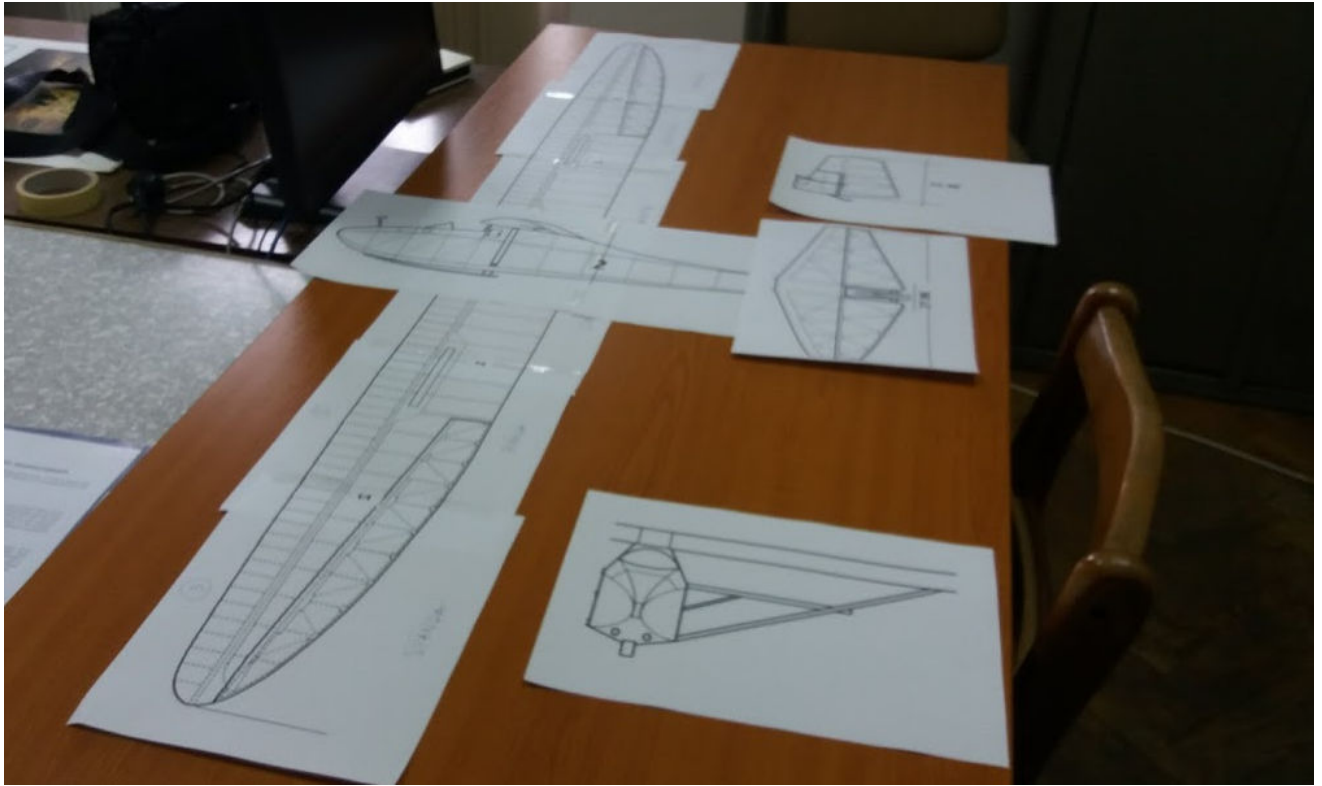
Performance

- **Never exceed speed:** 150 km/h (93 mph, 81 kn)
- **Aerotow speed:** 90 km/h (55.9 mph; 48.6 kn)
- **Winch launch speed:** 80 km/h (49.7 mph; 43.2 kn)
- **Maximum glide ratio:** 17 at 60 km/h (37.3 mph; 32.4 kn)
- **Rate of sink:** 0.85 m/s (167 ft/min) at 55 km/h (34.2 mph; 29.7 kn)
- **Wing loading:** 17.68 kg/m² (3.62 lb/sq ft)

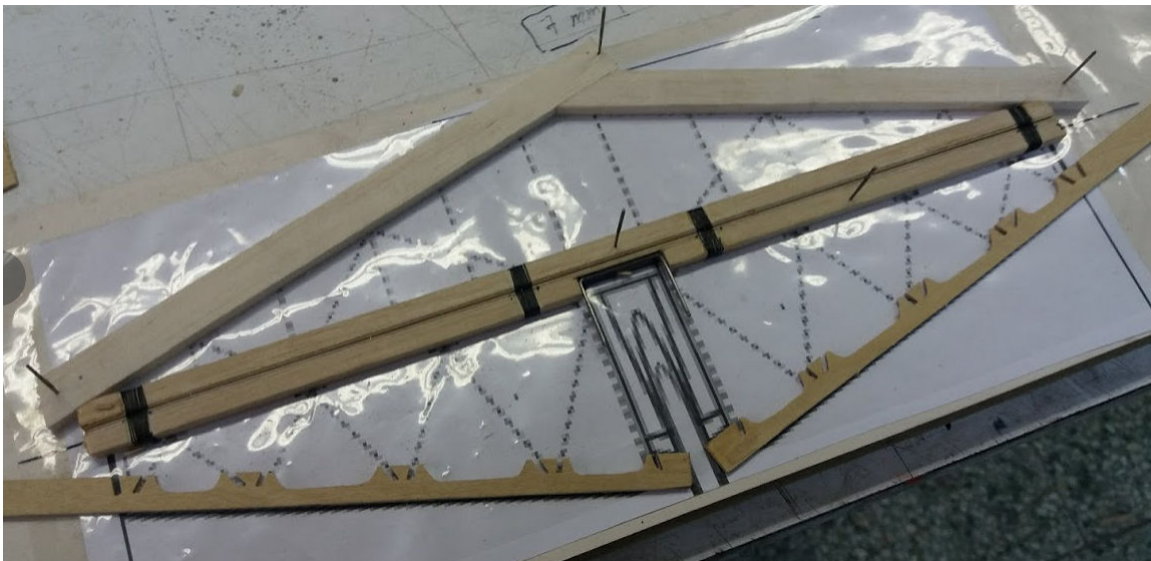
Petroleum and Gas University
Ploiești, Romania

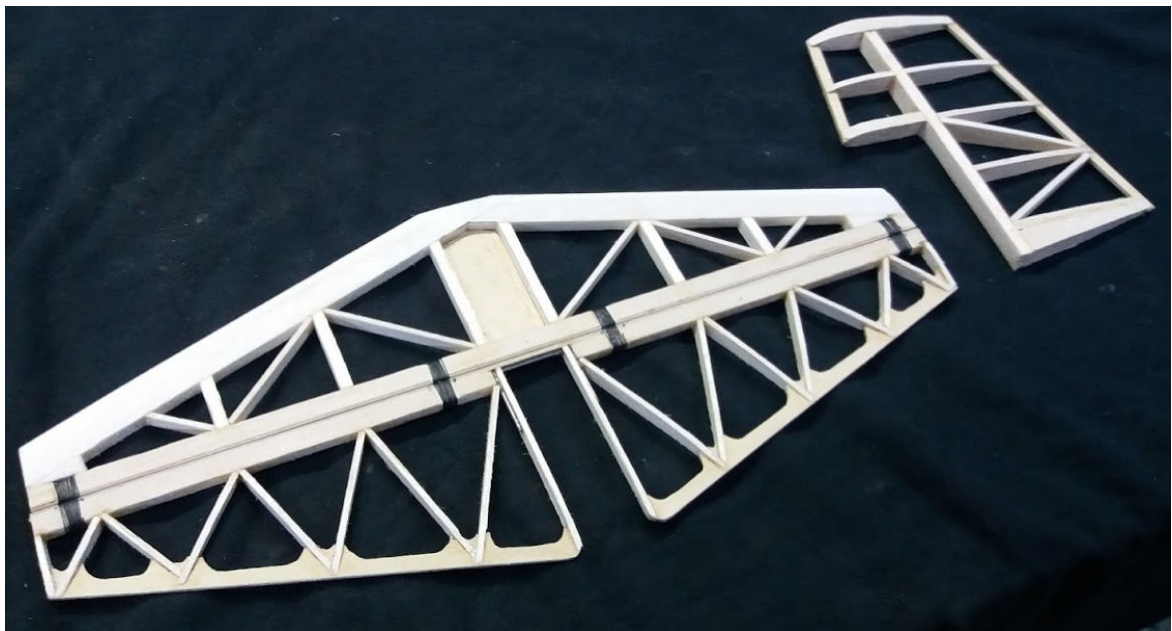
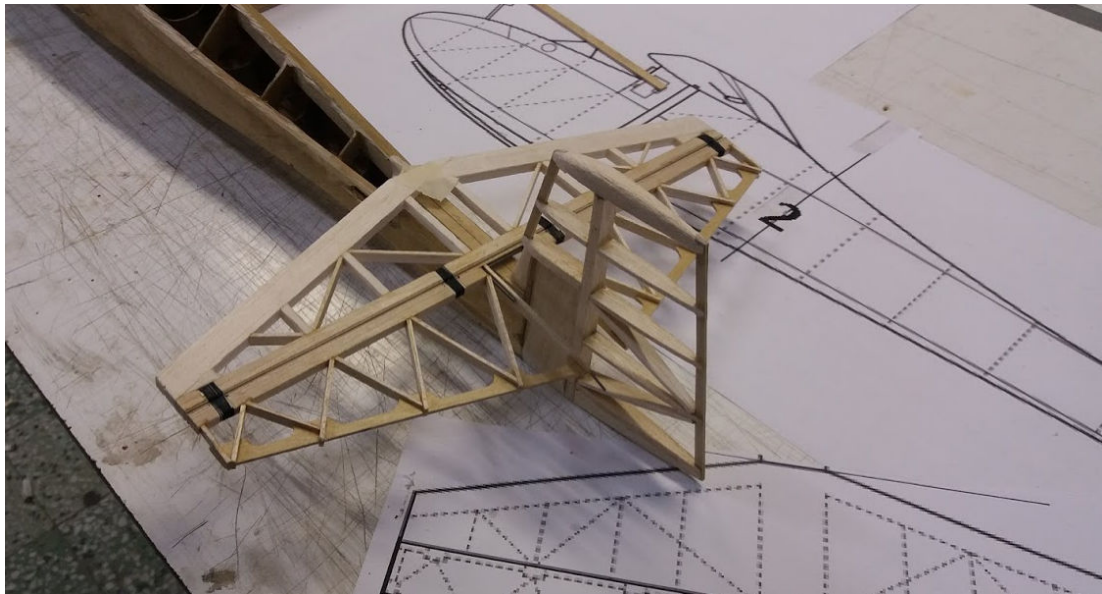
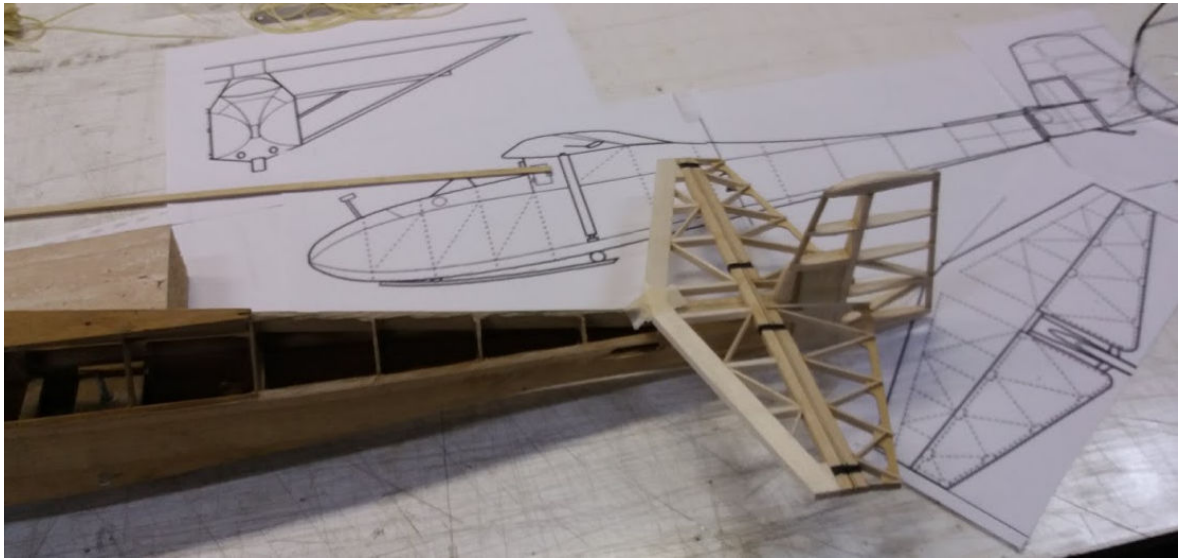
June 2020

Ian 9, 2018

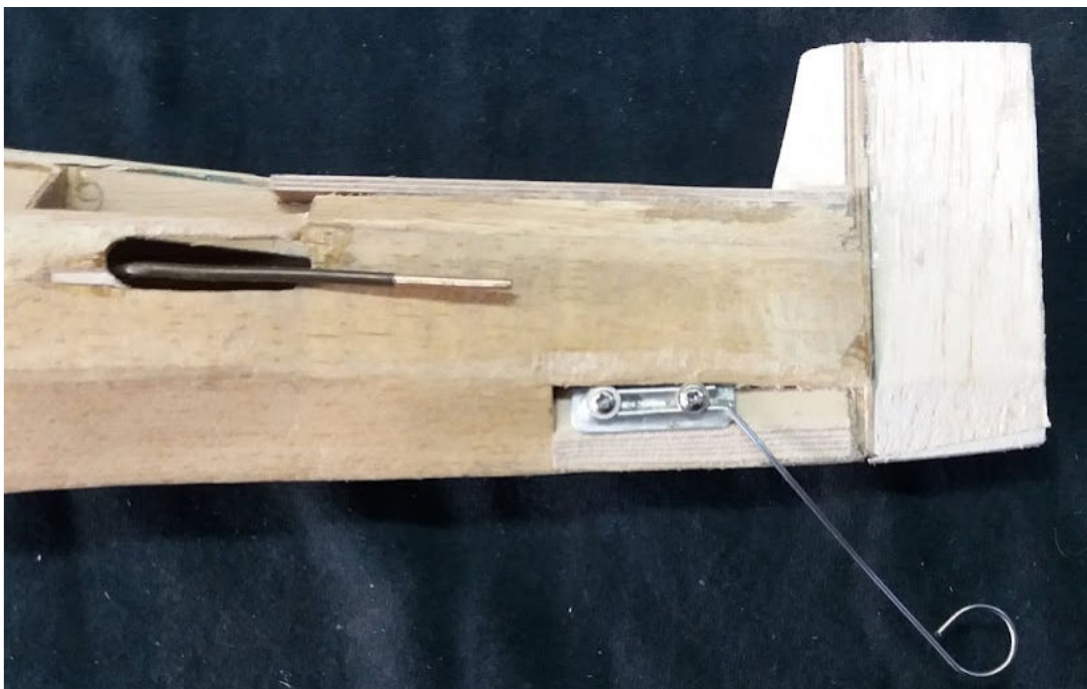
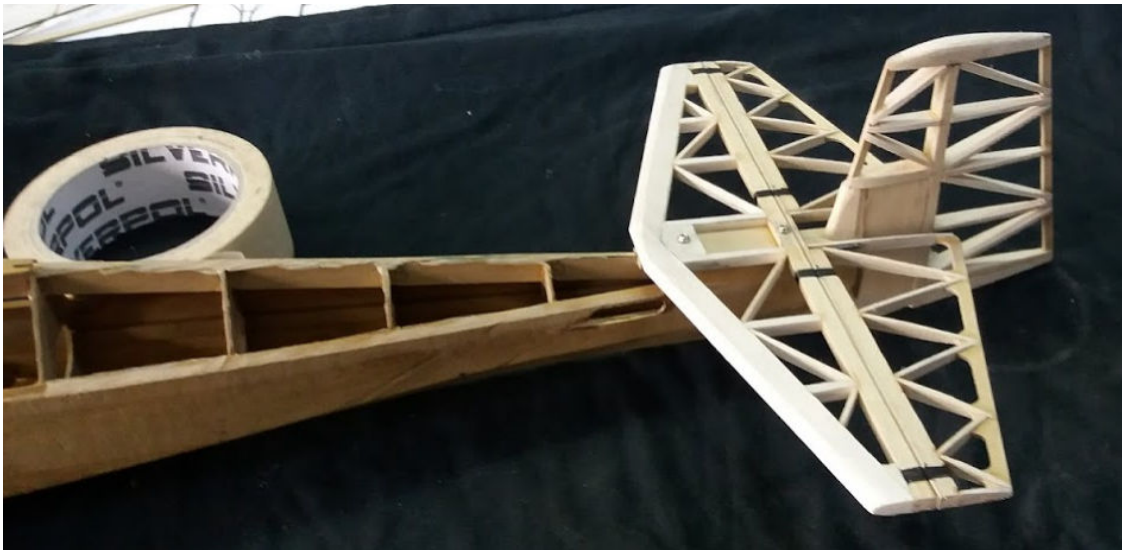


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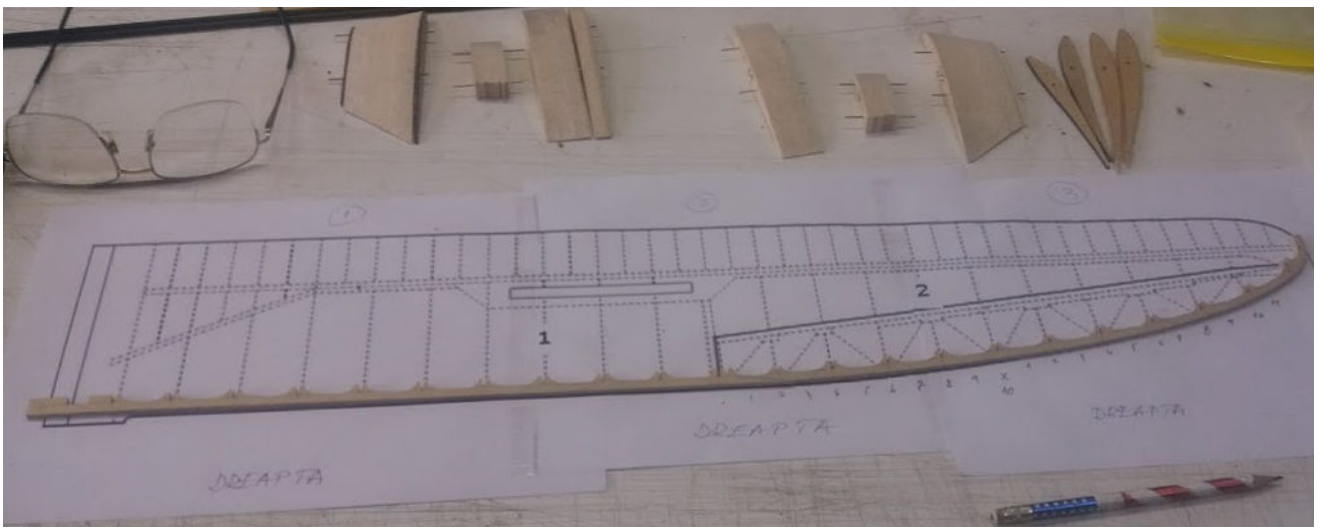
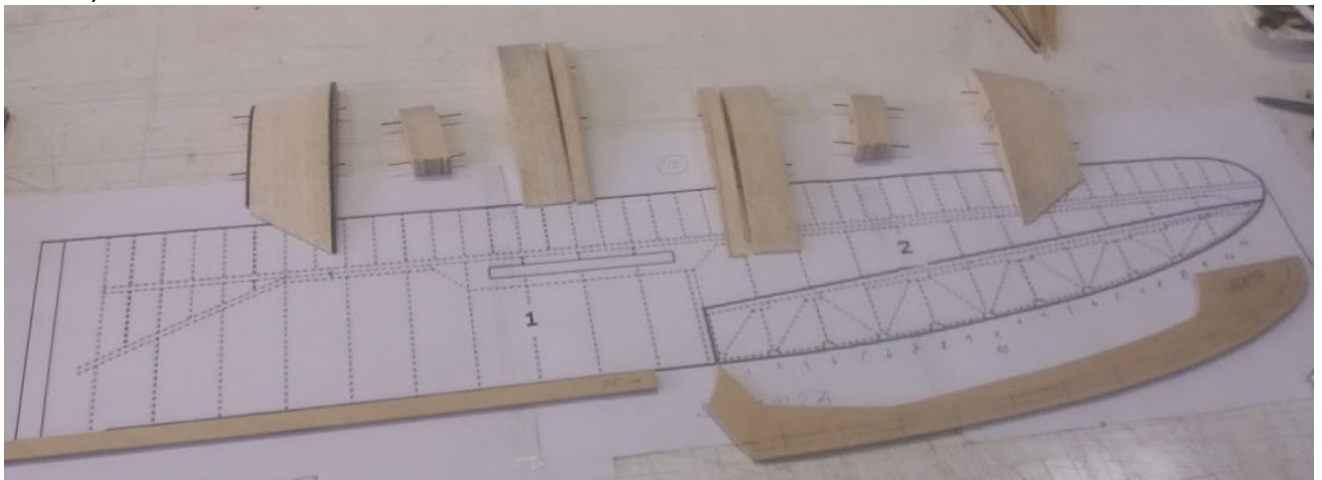
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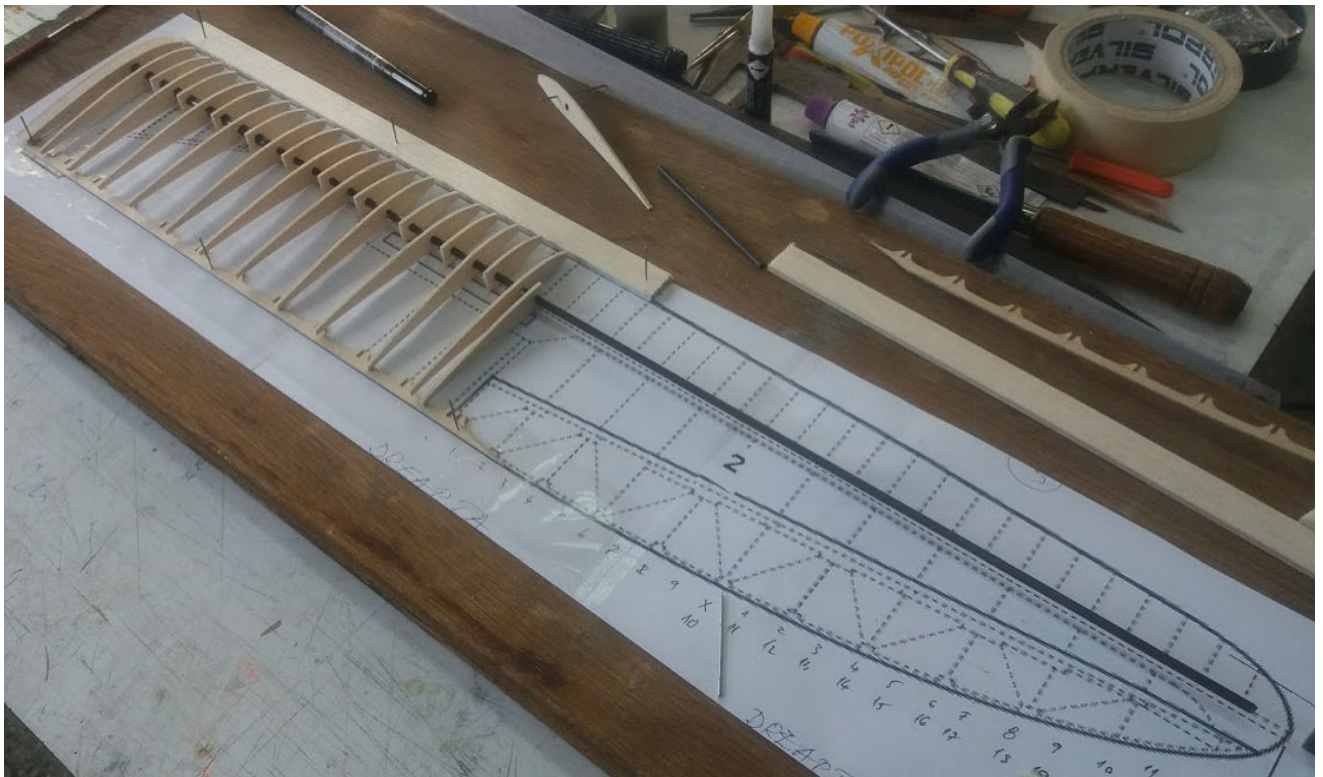
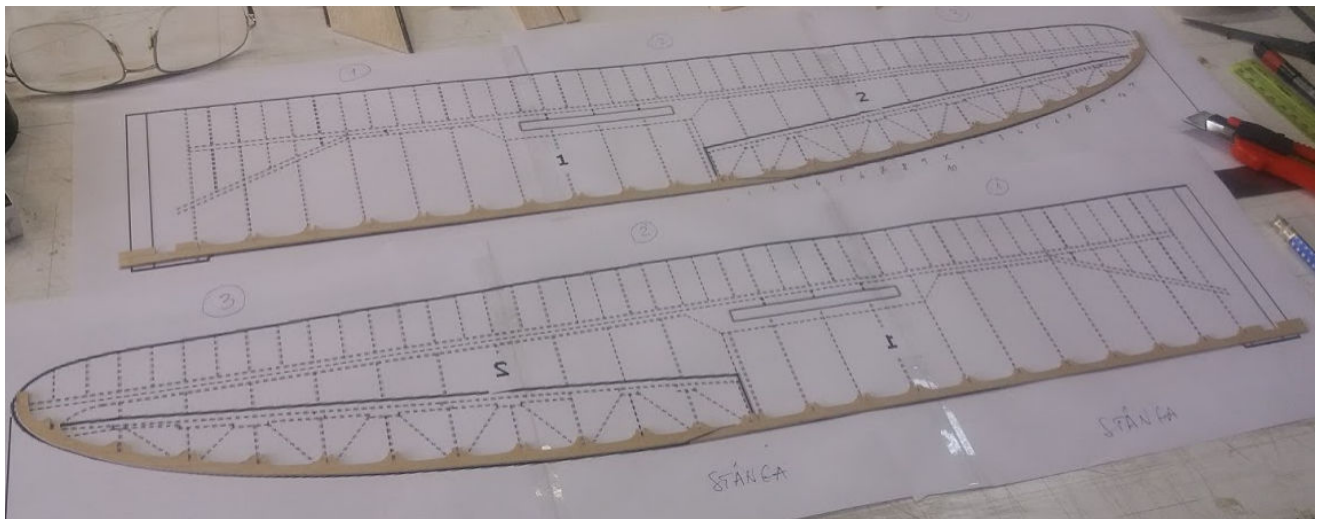
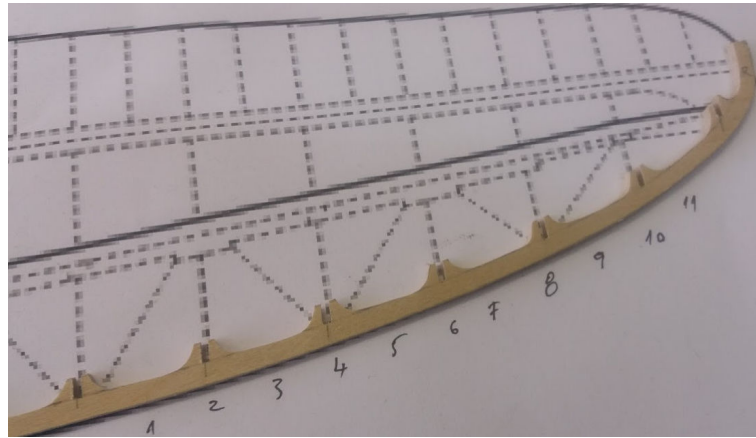


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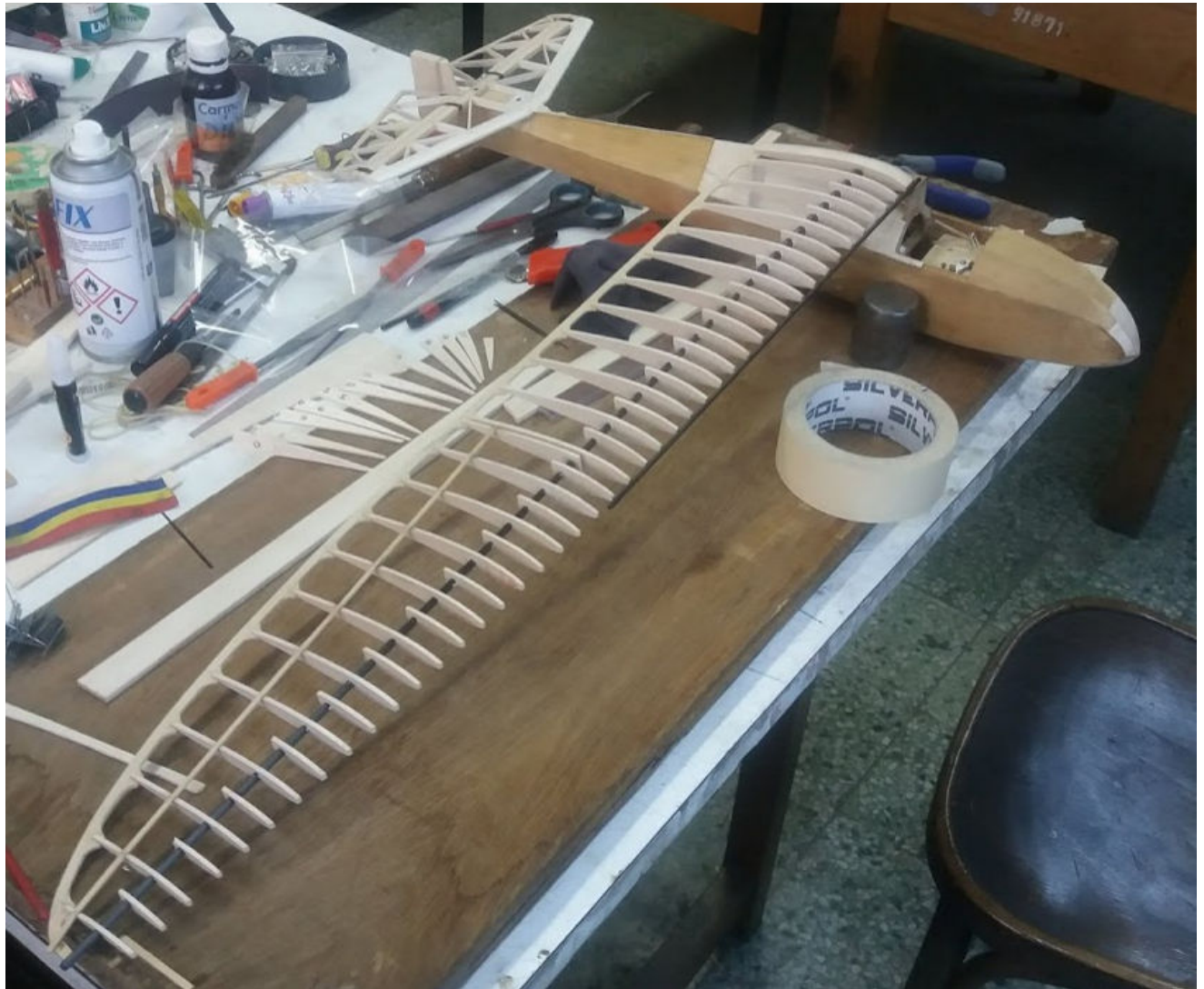


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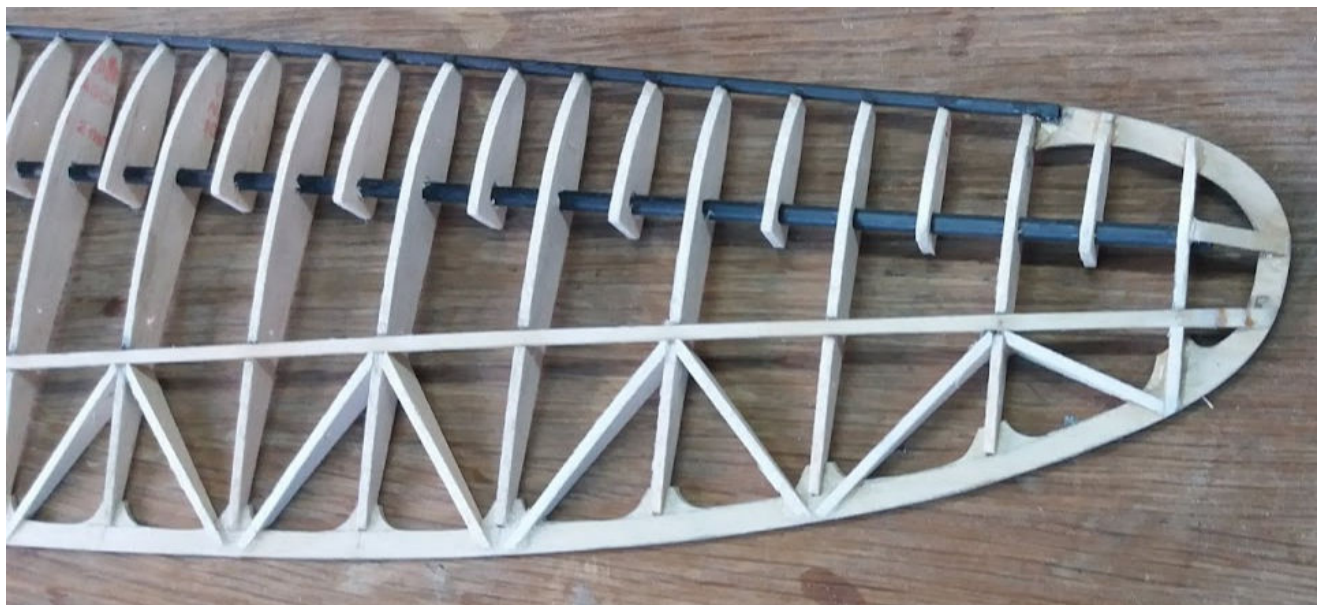


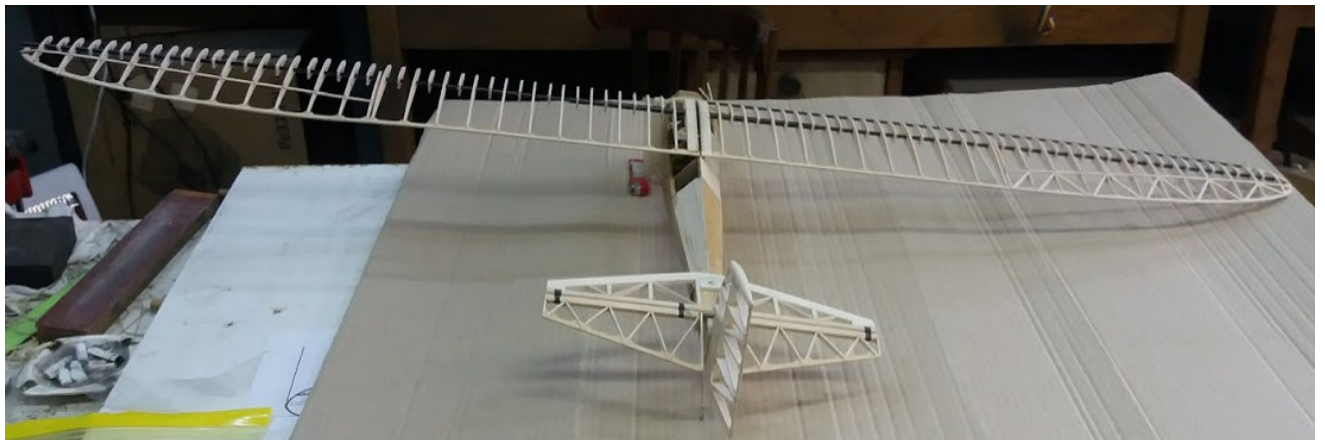
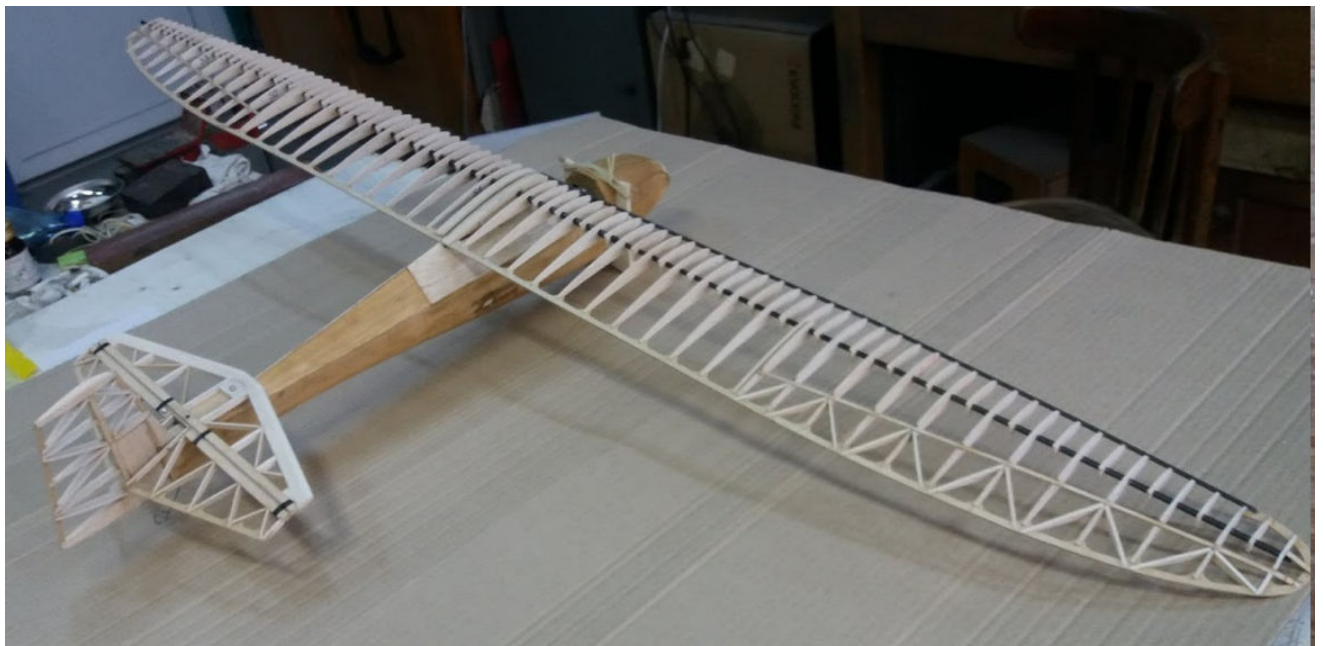
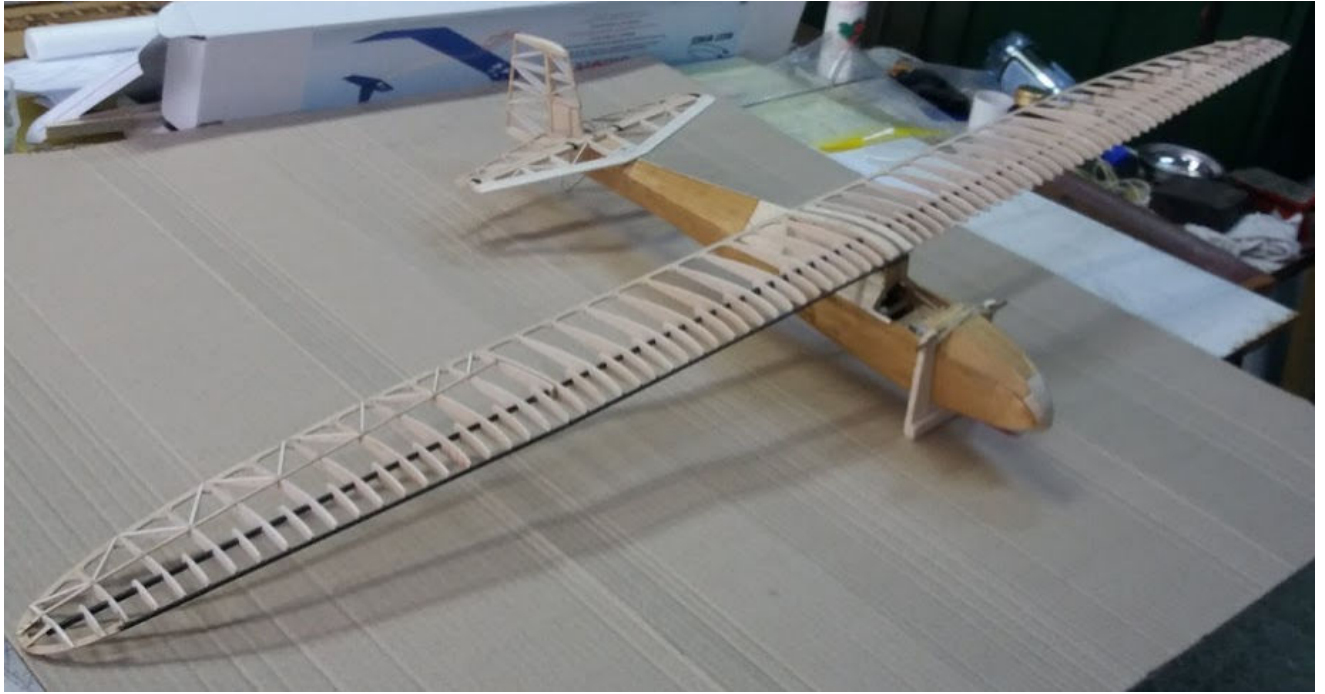




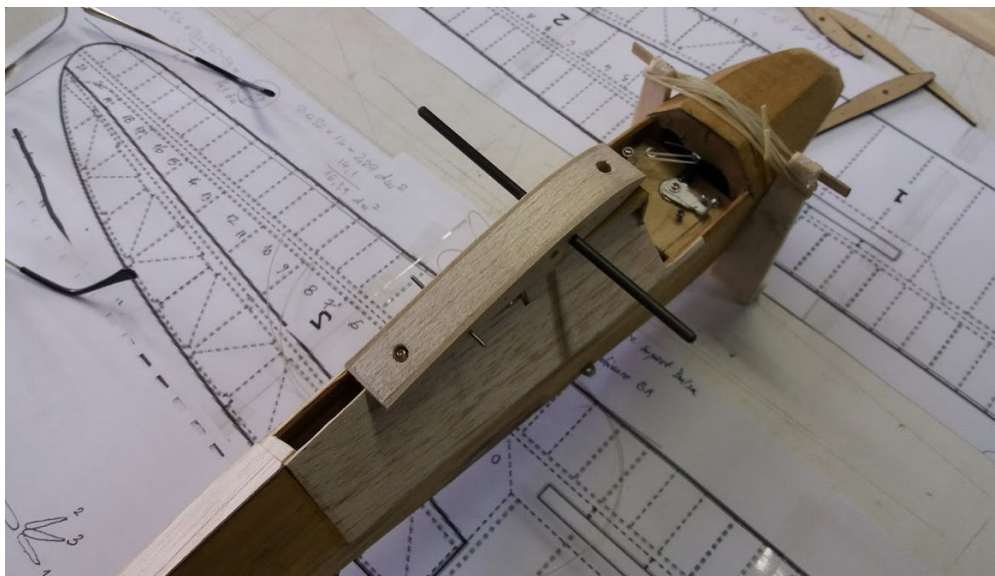
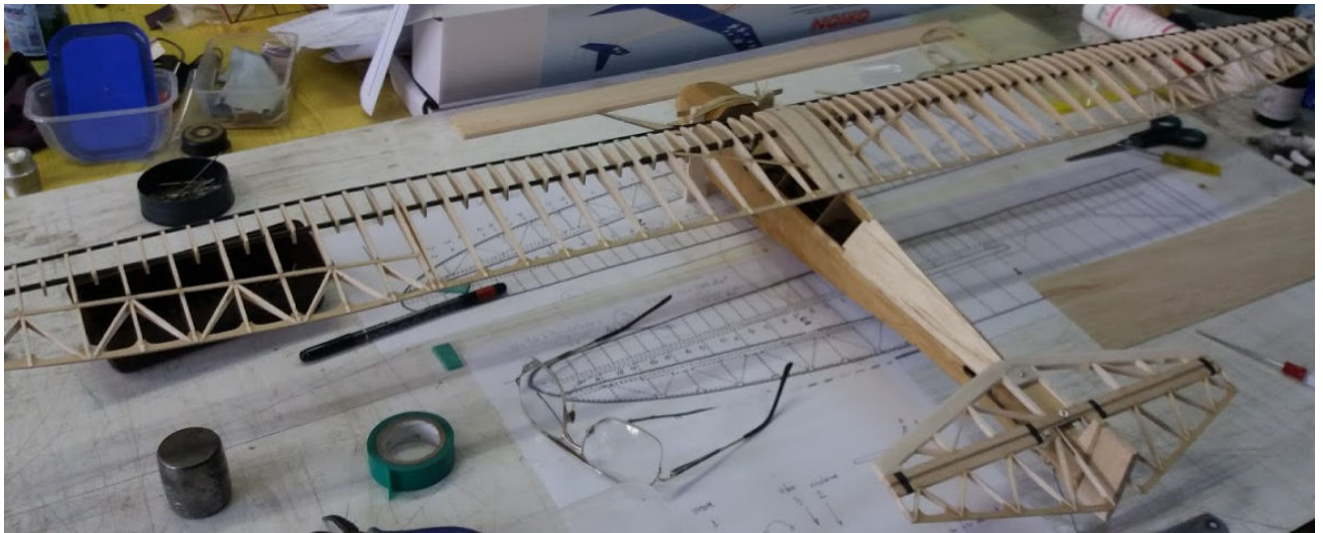
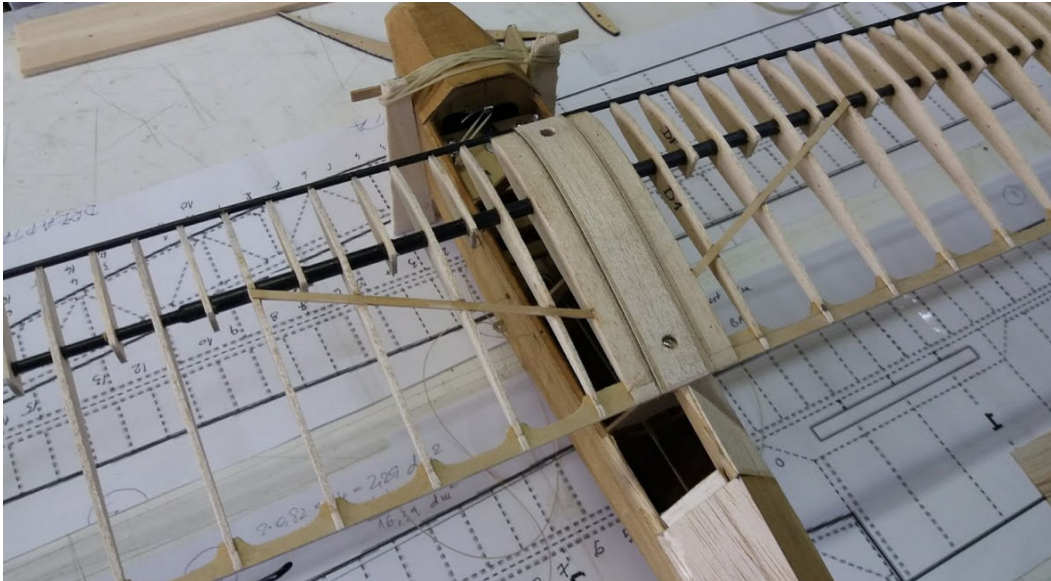


Jan 22, 2018

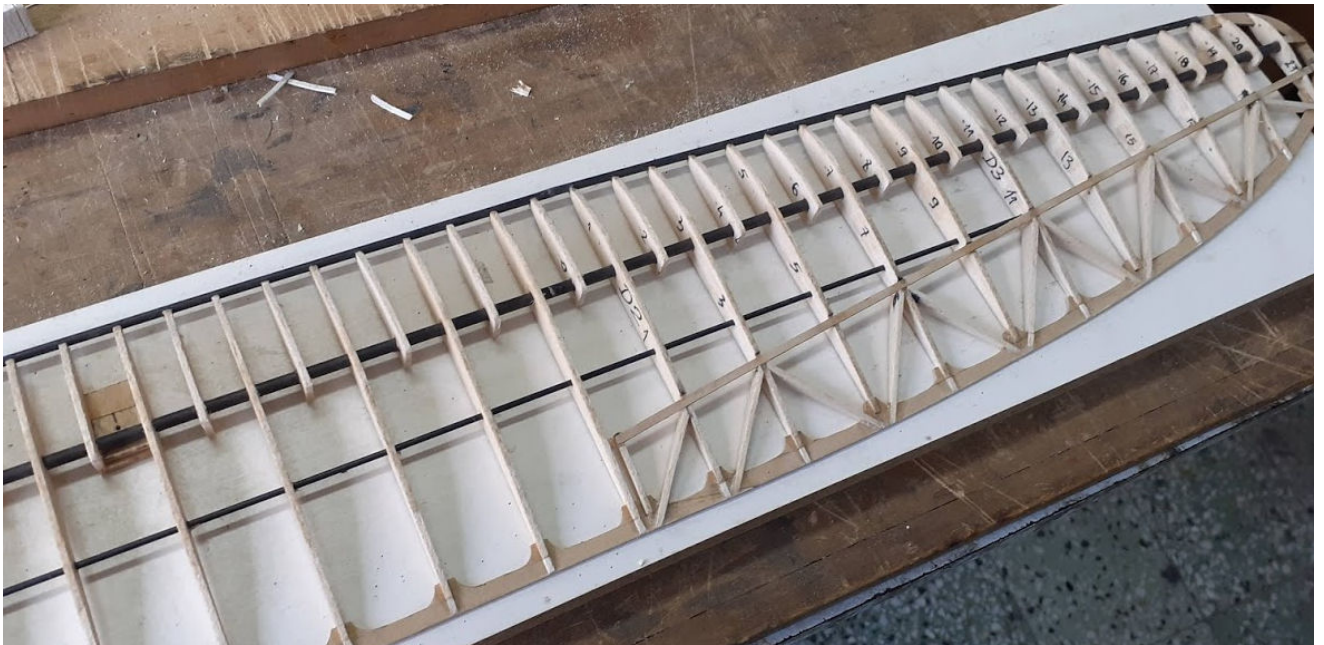
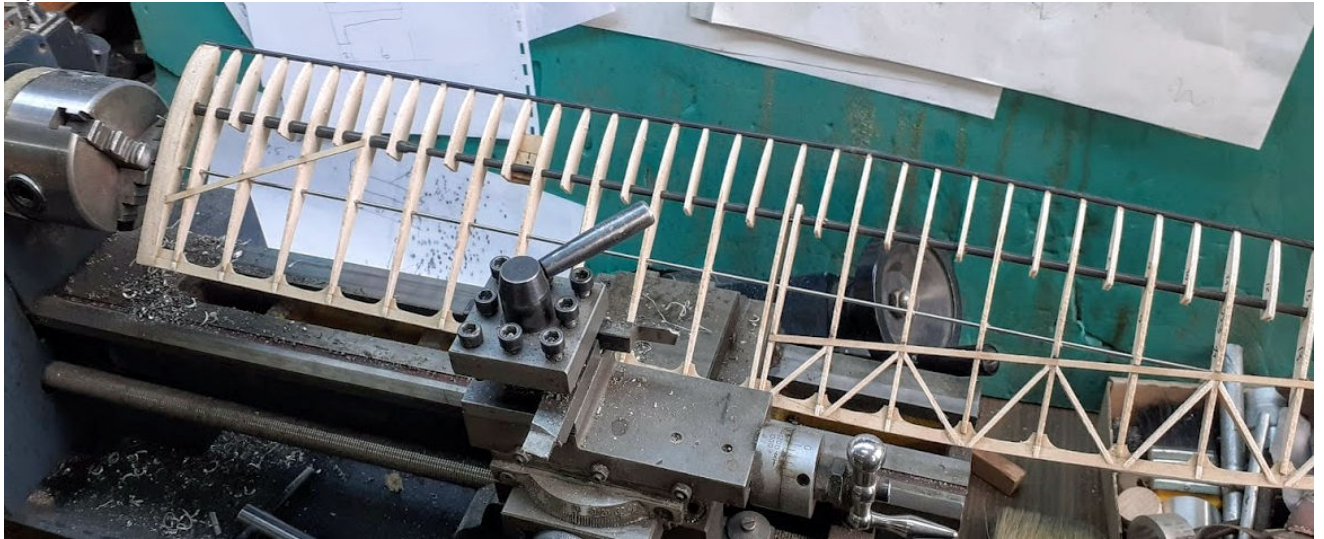




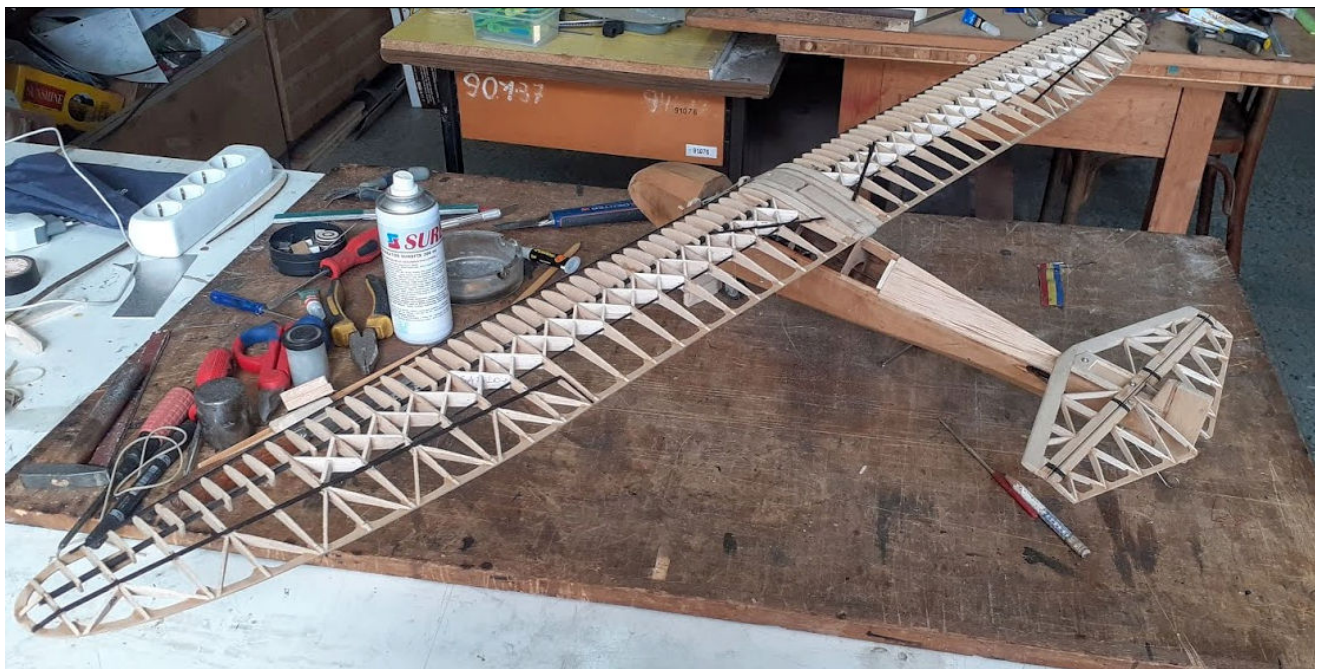
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Apr 21, 2020-06-08



Apr 22, 2020-06-08



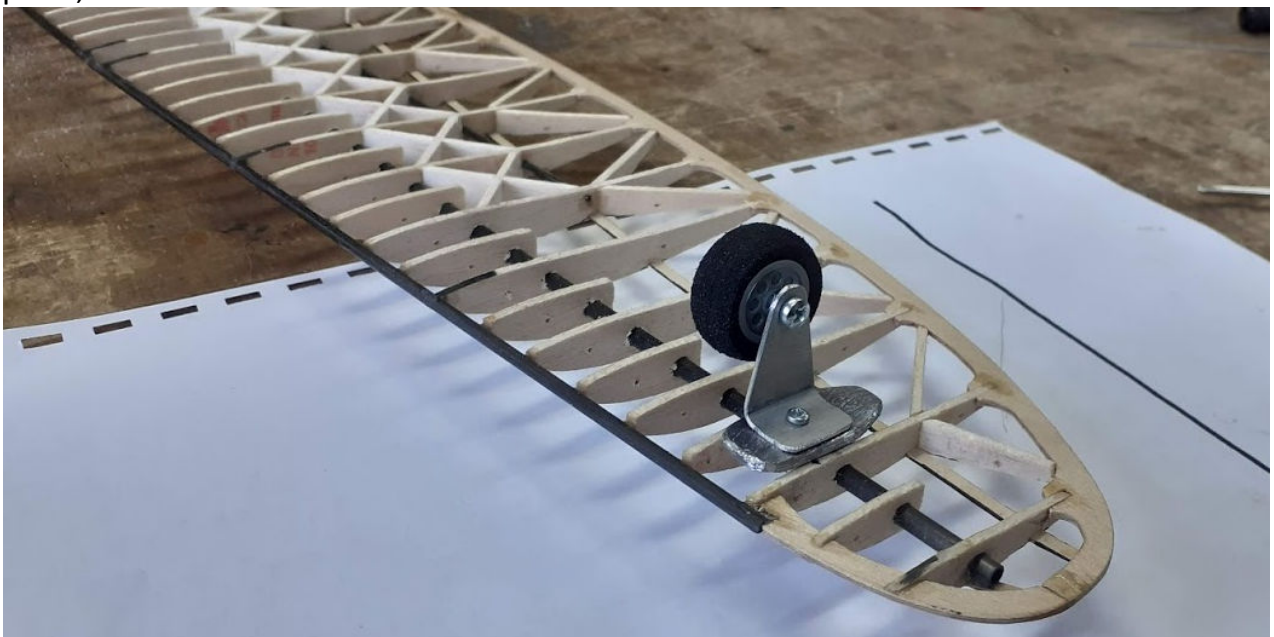
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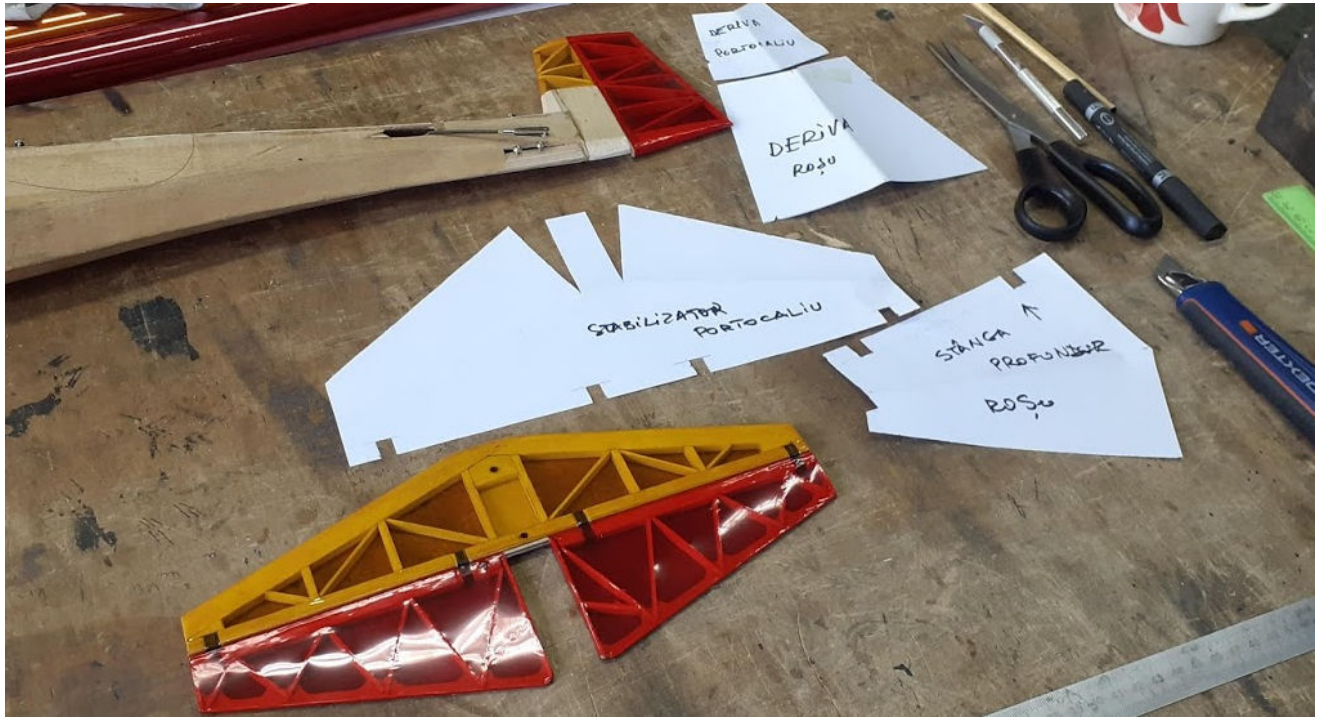






Apr 24, 2020





Apr 27, 2020



May 30, 2020





June 6, 2020





