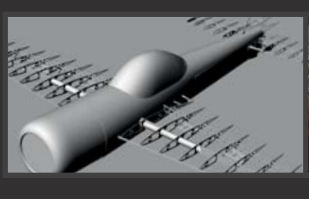
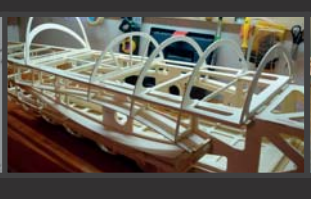
design

BUILD BOOK

Yak 55 M

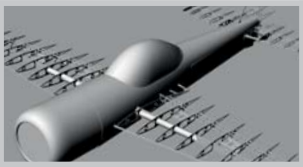
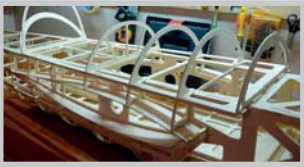
span: 2,8 m • length: 2,7 m • engine: 100–120 ccm • flying weigth: 14 kg

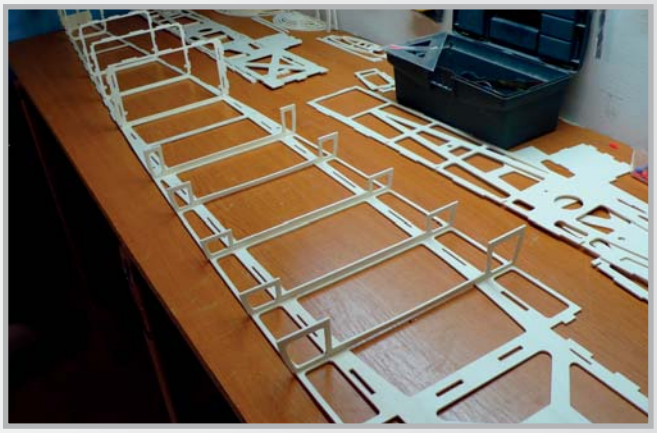
design

BUILD BOOK

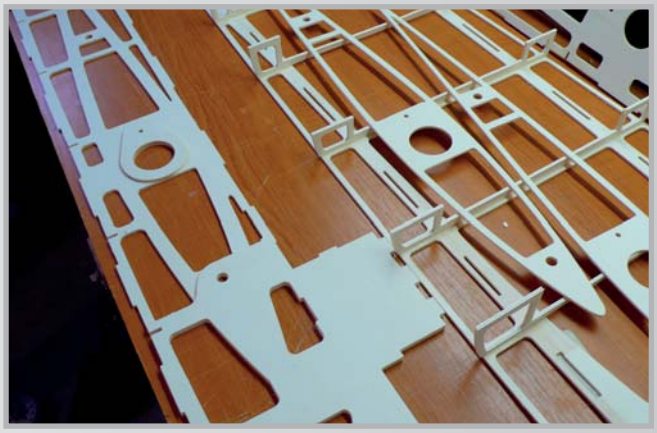
Thank you for purchasing the kit and wish you a pleasant building..

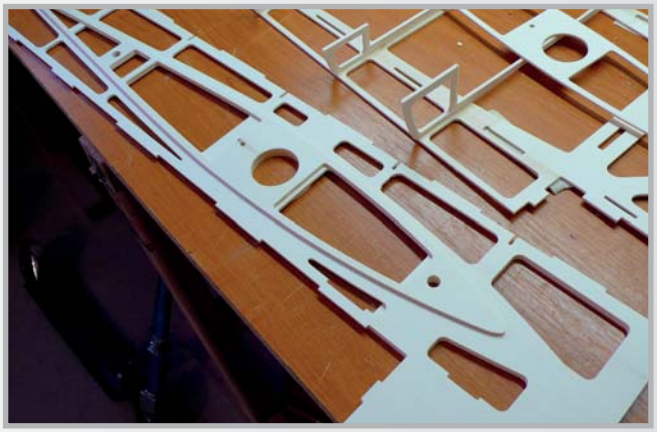
Fuselage



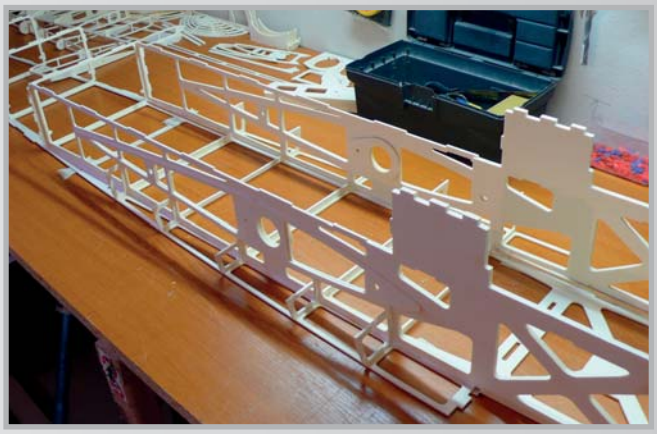
1. The construction of the hull begins "upside down"



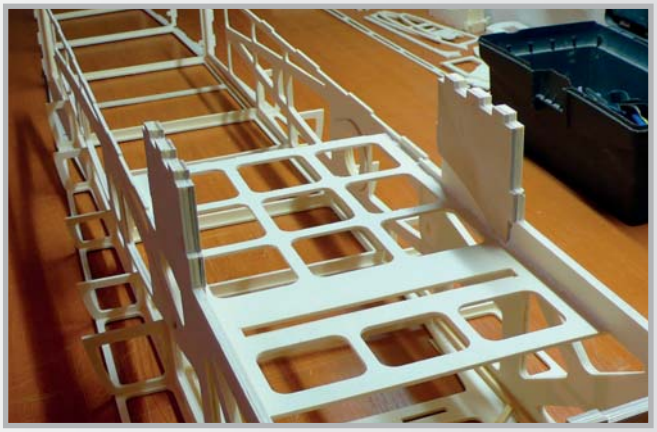
2. Double front of motorbox + gluing of tube reinforcement



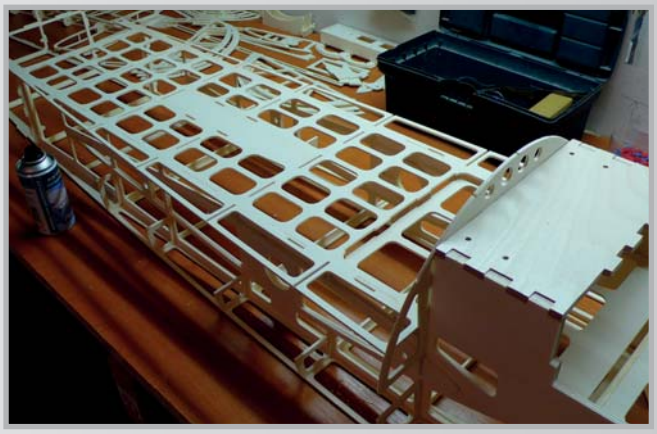
3. On the outside, the rib is glued (auxiliary for fitting the inner covering for flushing the wing)



4. Motorbox side panels gluing

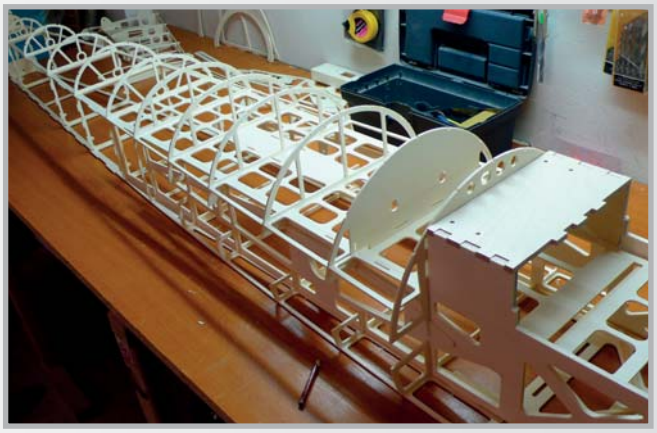


5. Chassis plate reinforcements



6. The chassis is not yet glued, the bottom plate in the fuselage yes

Fuselage



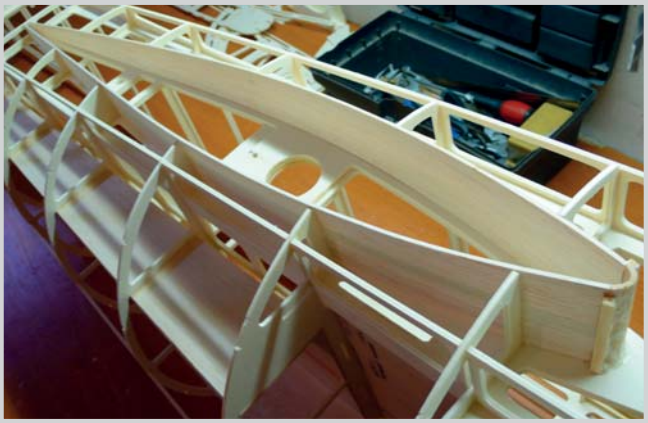
7. The baffles are inserted into the plate

8.Preparation for attaching the undercarriage plate to the side fuselage

9. Gluing the undercarriage plate

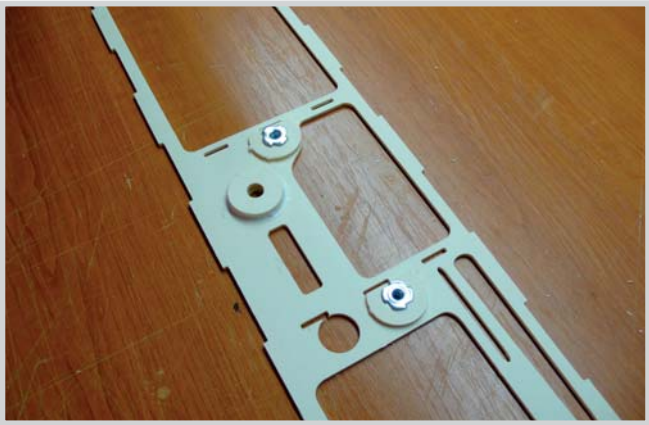
10. Paper tube for servo cables

11. Closure of 3280 - MVVS tuned exhausts



12. Bonding the inner b2

Fuselage

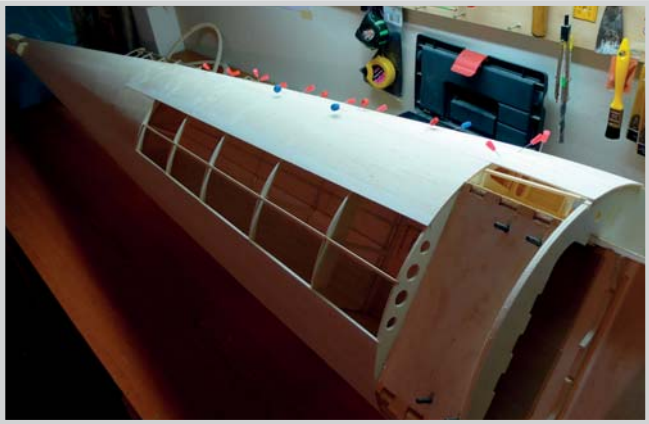


13. Preparation of the inner side of the elevator

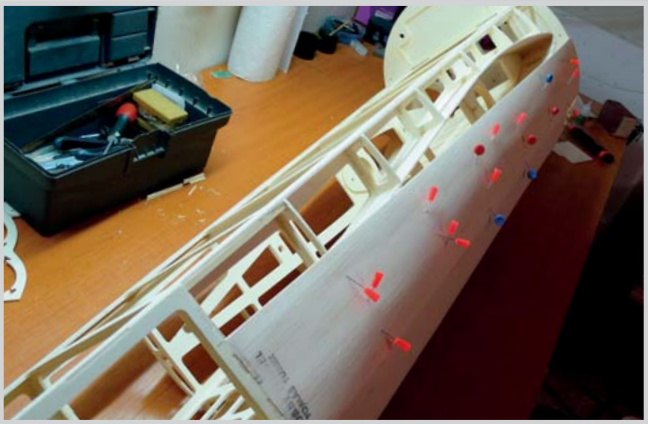
14. Glue the end of the hull that will hold the engine cover

15. Set-up of the cover with cab

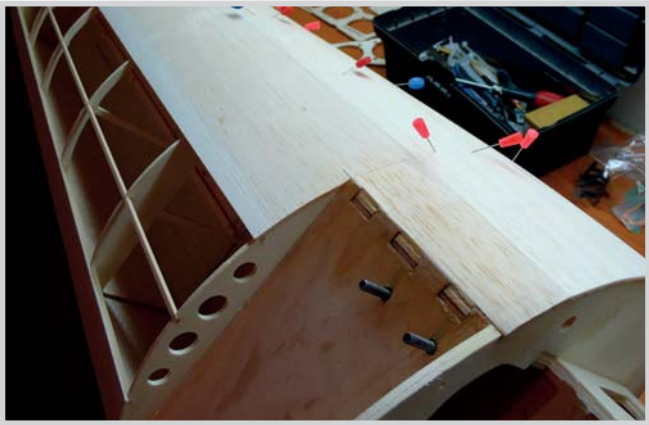
16. Beginning of b2 hull covering



17. Hull coating B2

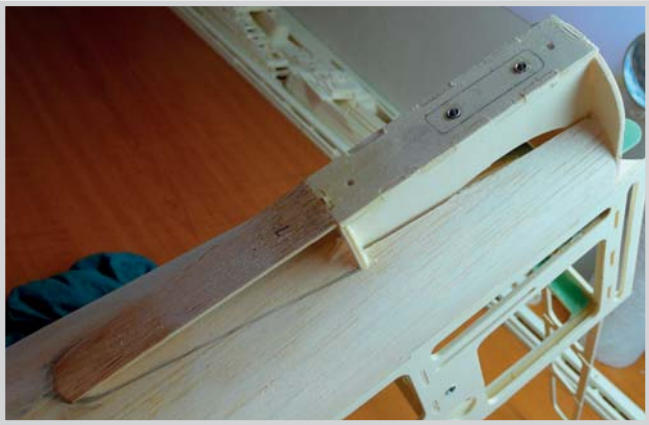


18. Hull coating B2



19. Potahování trupu b2

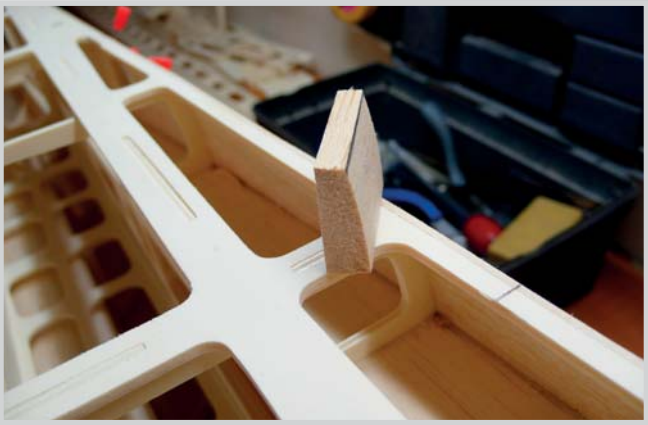
20. Hull coating B2



21. Spurge attachment (inside recessing nut M4)

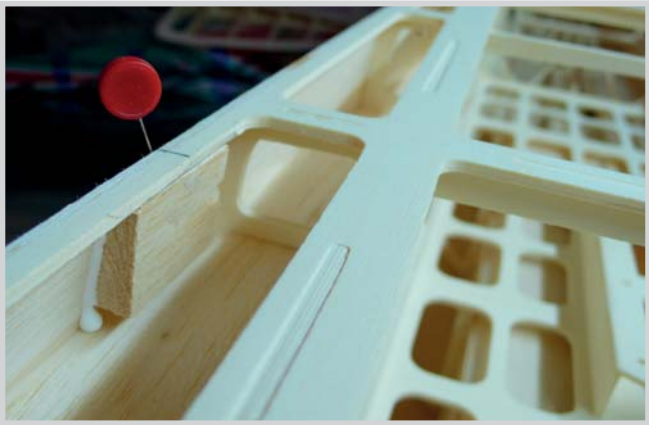
22.Balsa cover around spur dump

23. Preparing spacer blocks - holding the cab cover Balza cover around spur dump



24. Preparing spacer blocks - holding the cab cover

Fuselage

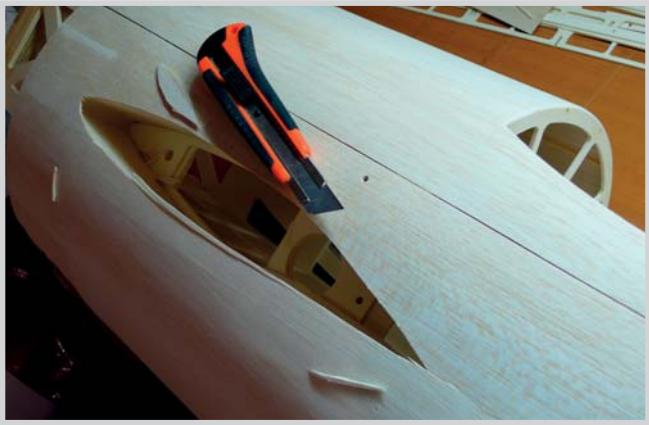


25. Gluing of spacer blocks - drilled through the hull for screws

26. Cockpit board preparation

27. Coated top Cover

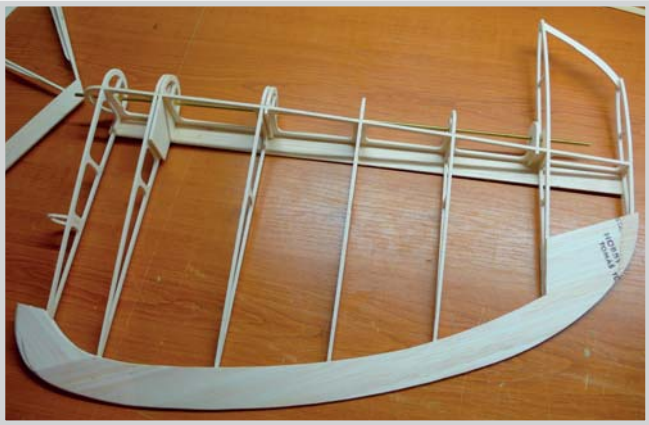
28. Coated top cover. Coated top cover with cab



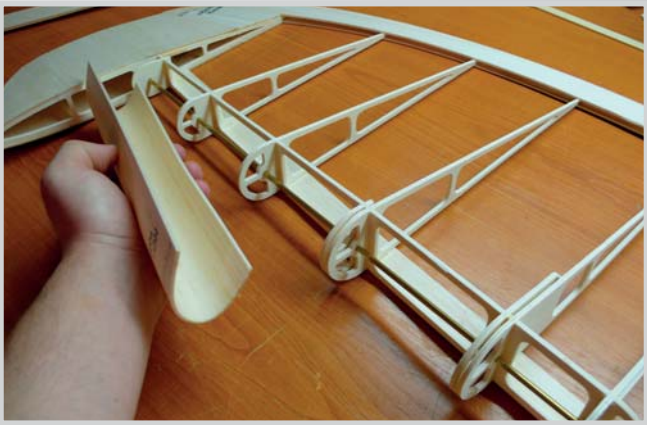
29. Cut out the wing opening

30. Turtledeck (sandwich polystyrene and balsa) glued to the hull with purex

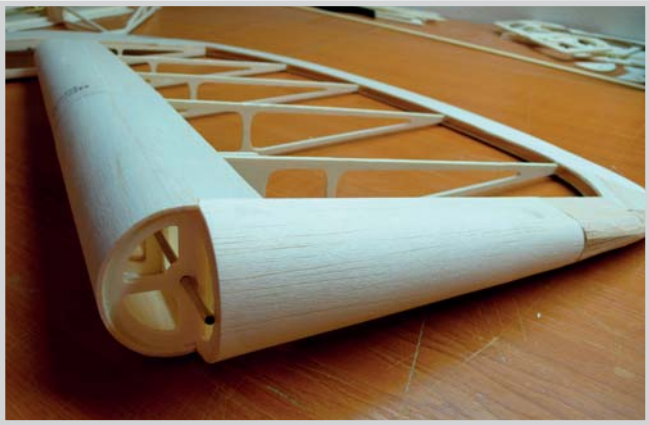
Rudder & Fin



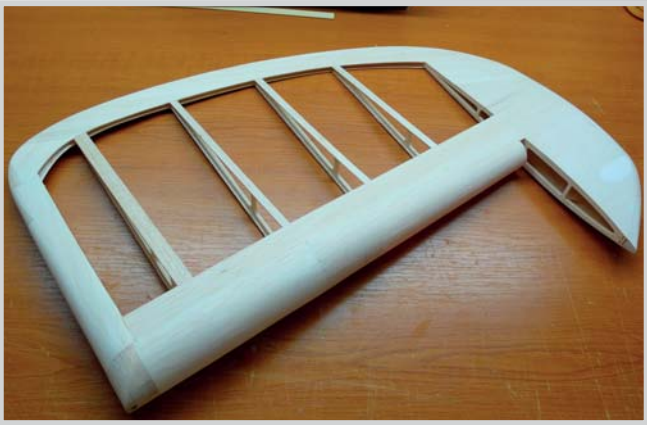
31. Drain indicator - double as on elevator



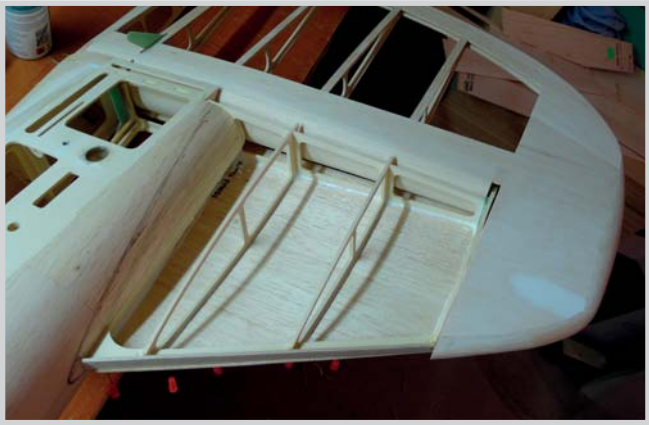
32. A soaked balsa (better in hot water) allows a minimum radius



33. Bottom covered in the same way as the leading edge, only a thin end is glued a block of balsa



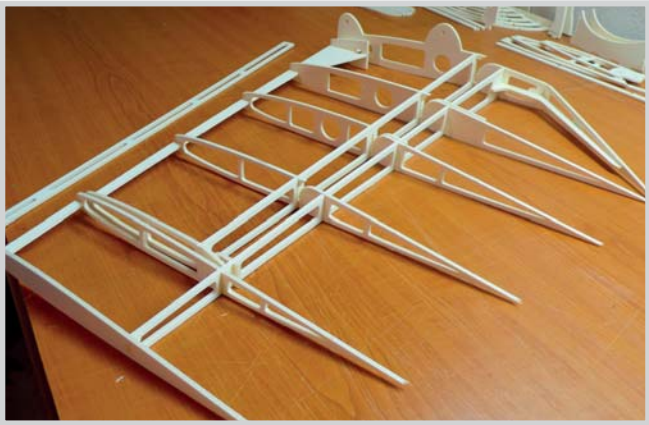
34. Finished rudder light balsa 2mm



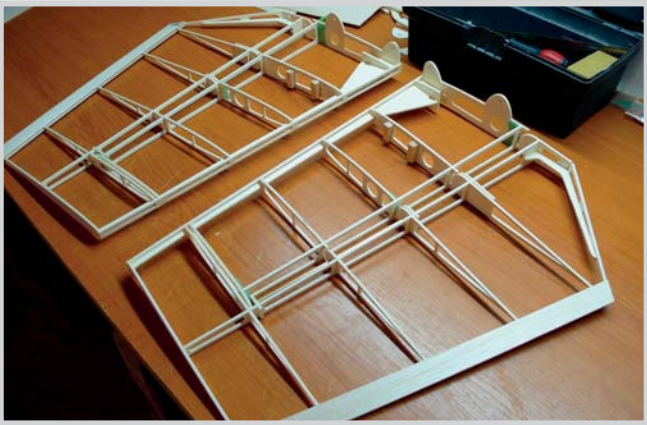
35. Fin ribbing and skinned

36. Skinned Fin

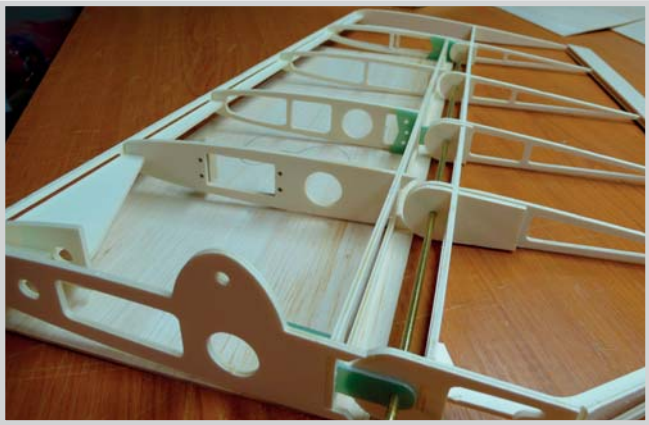
Elevator



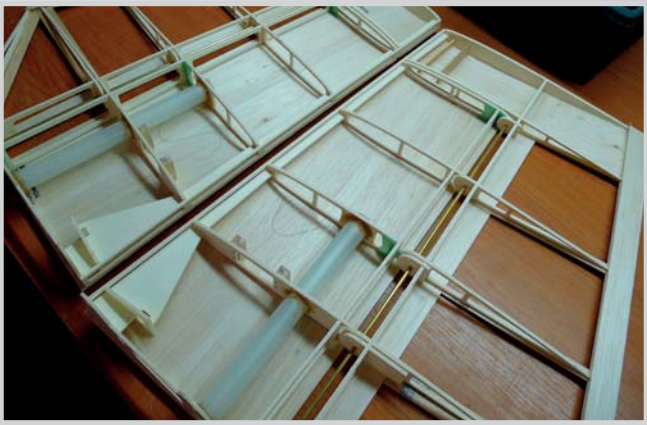
37. Assembled ribs and SOP ailerons



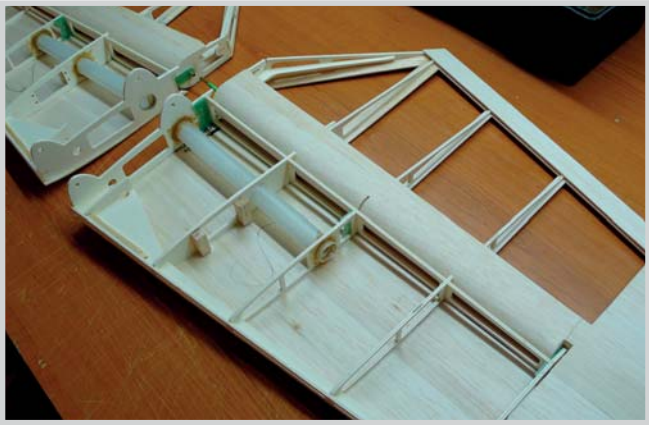
38. Complete slepens with hinged elevator halves



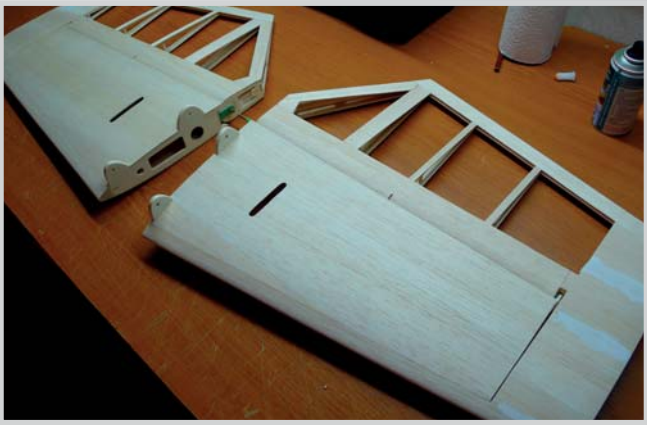
39. Assembly of GTC and elevator - connects brass tube 4mm



40. Glued bushings for 20mm pipe



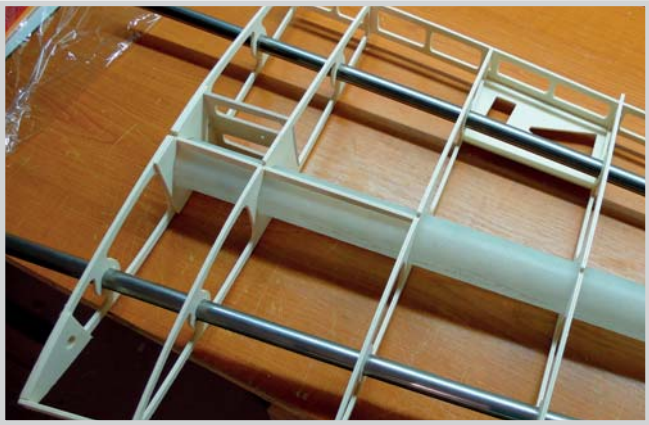
41. Glued bushings for 20mm pipe



42. Complete elevator - coated with a light balsa 2mm - one half weighs 210 g

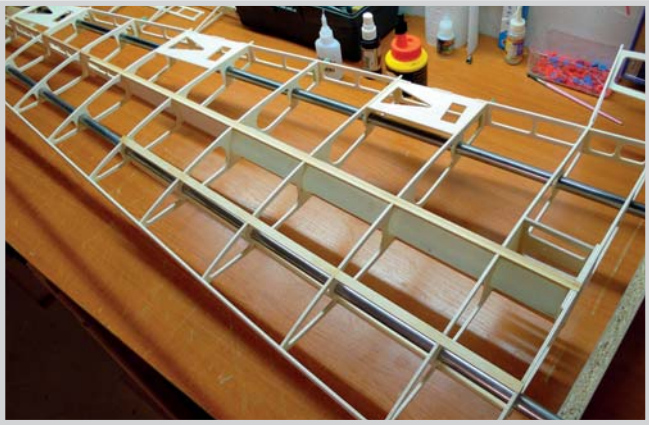
43. Sprayed ribs for pipes - at the same time with front and rear rail, hl. support and brackets serv

44. Rib ribs and auxiliary strips fitted

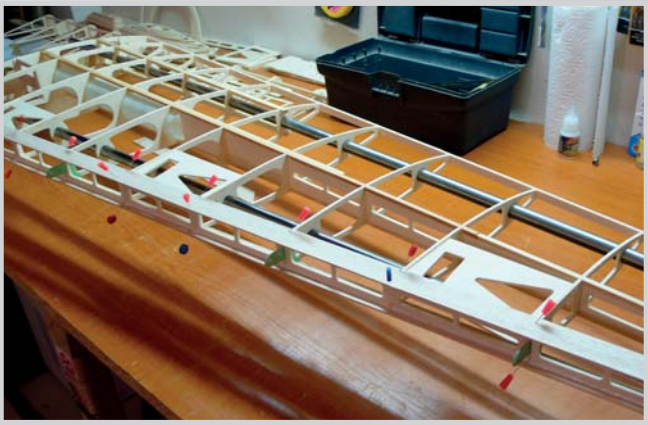


45. 40mm tube inserted

46. Double bar 5x5 over the depth upright and front bar 10x5

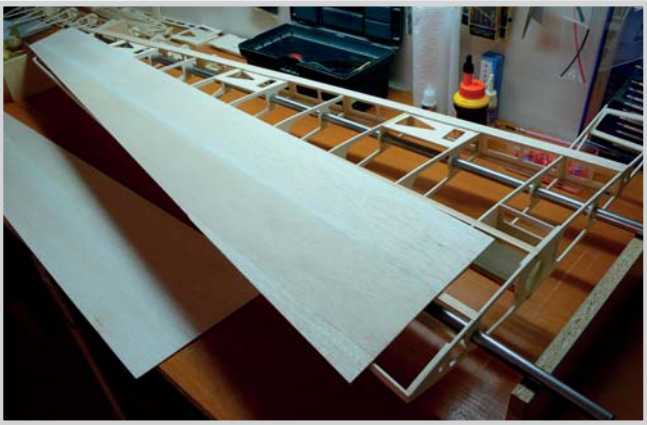


47. Double bar 5x5 over the depth upright and front bar 10x5

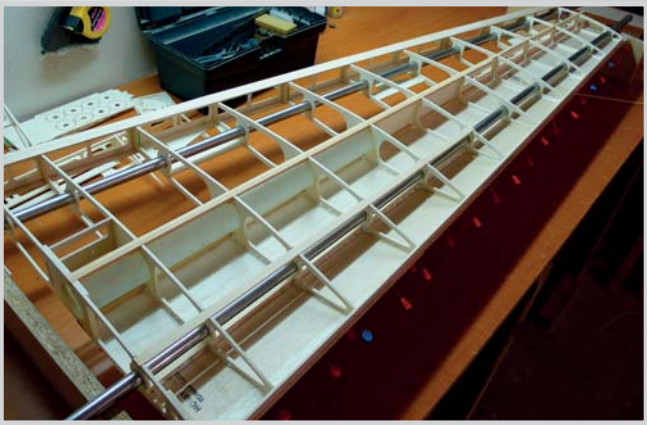


48. Gluing drainage bands - harder balsa 2mm (approx. 25mm wide)

Wings

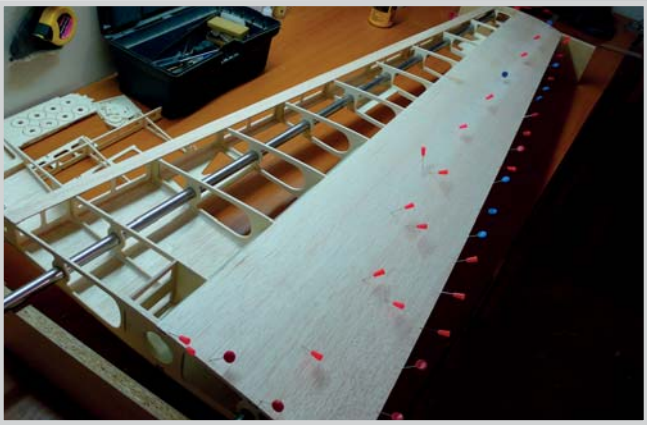


49. Ready and sanded sheeting of wing leading section

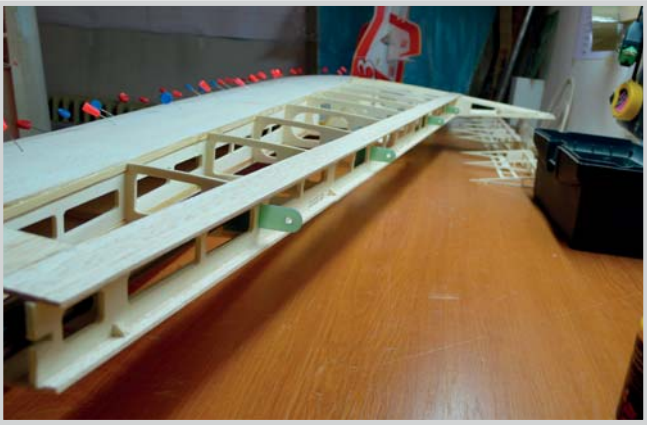


50. Adhesive cover of wing leading part

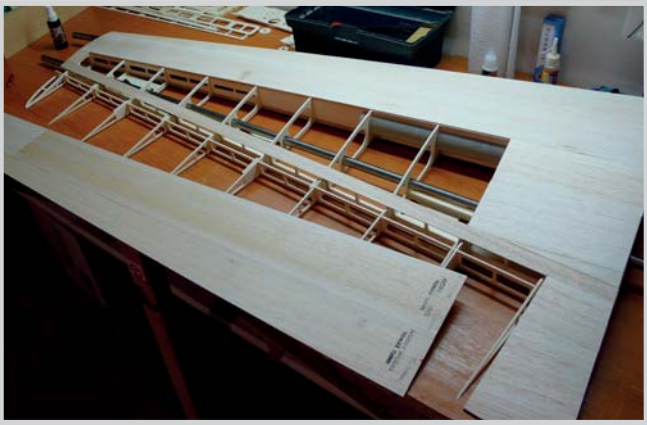
51. Adhesive cover of wing leading part. Pull down wing



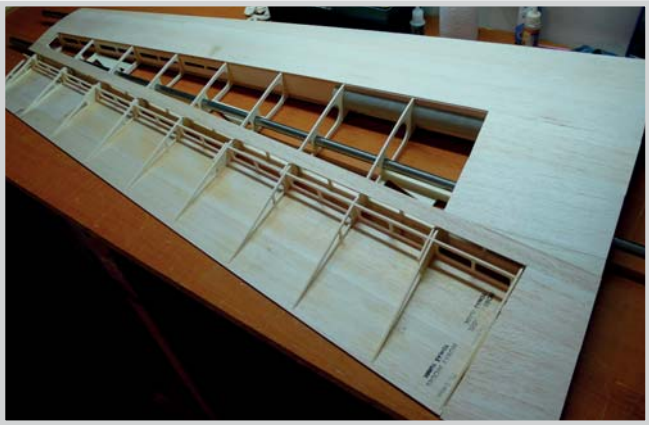
52. Adhesive cover of wing leading part - upper part



53. Hinges need to be sharpened slightly for slanting with the sash above and below

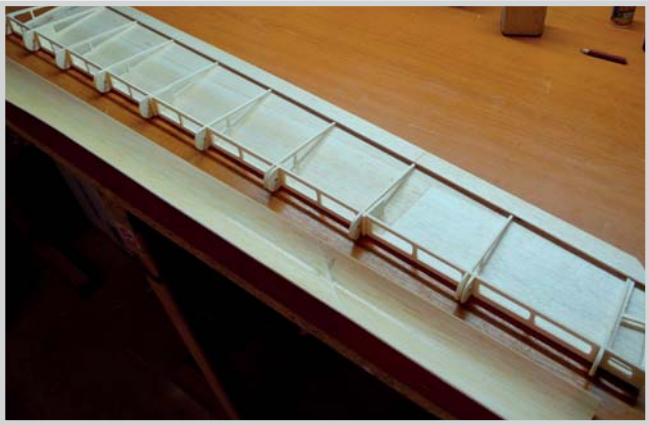


54. Preparation of the bottom side sheeting-B2



55. The ribs on the hinges are flush with the wing and the lower cover is glued

56. The drain strip is glued from the top



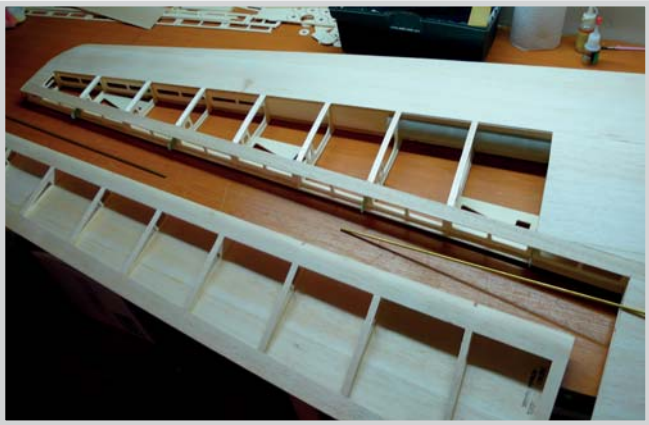
57. Preparing and soaking sheet b2

58. CA gluing with one edge adhesive

59. The rib faces are dispersed and the soft balsa is "wrapped" by pushing the wings against the table top

60. Secure with CA glue (or pins) on the edge of the main wing carrier

Wings



61. Preparation of 4mm brass tubes for insertion from each side

62. Fitting with the wing

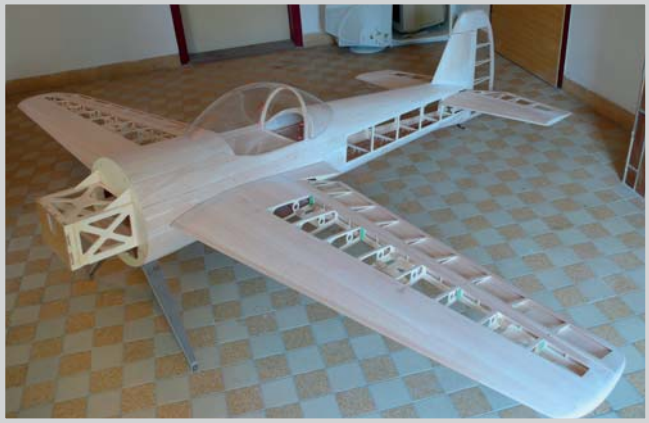
63. Incorporation of balsa overlap of the wing outlet - adjustment of the wing deflection

64. Cutting out the balsa overlap of the wing outlet - adjusting the sash deflection Cutting out the balsa overlap of the wing outflow - setting of the sash deflection

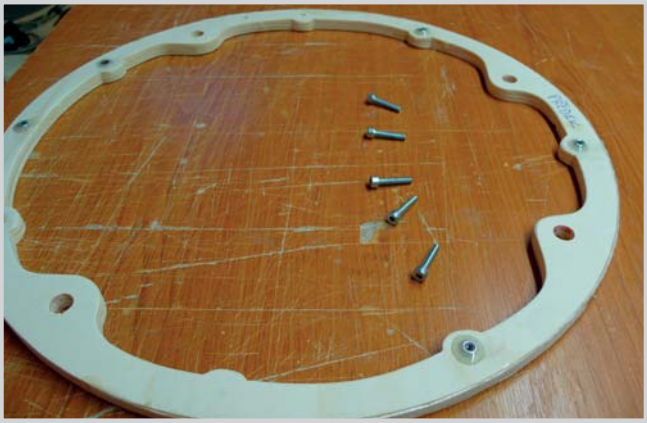
65. Complete ground sash with leading edge and end arch - weight 890 g

66. Cutting holes for levers - 2 or 3 servos can be used

Wings



67. Complete model in skeleton



68. M4 nuts are sealed into the motor cover

71. Finished model

design

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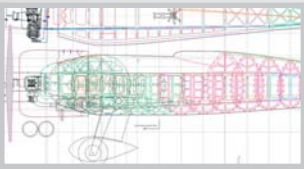
Check out our offer of our other models ...

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