



WINTER PROJECTS 2021



Featured Member

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Pilot Builder Instructor Safety Officer



This is the expected end result of this project. I have yet to decide on the color scheme so that may change. In real life the plane is a two seat side by side trainer used by the French government.



Some model statistics

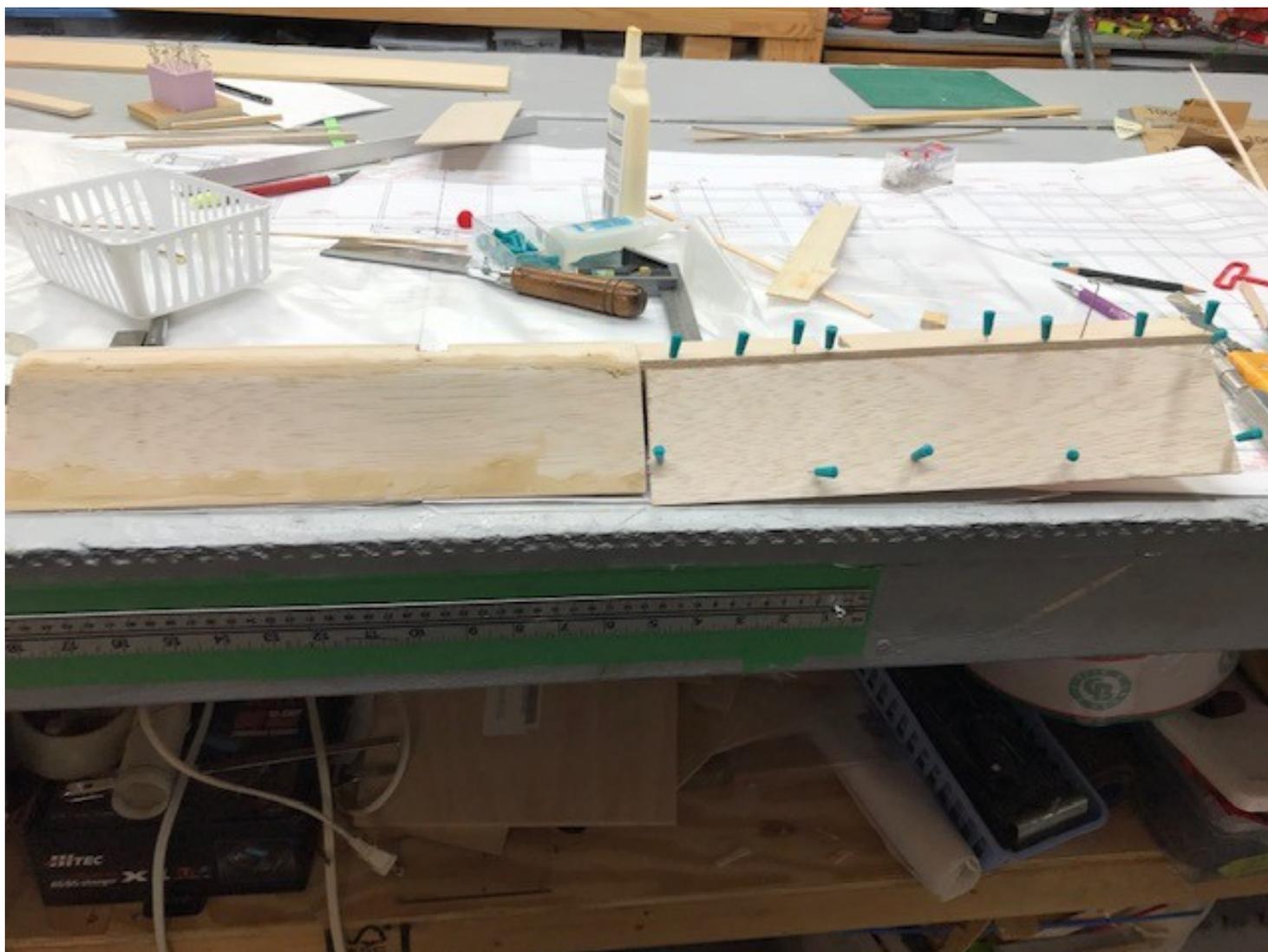
Length	65 ”
Wing Span	80 “
Weight	15 lbs. (give or take)
Power	DLE 55 gas

This first picture is the construction of the “Flaps”

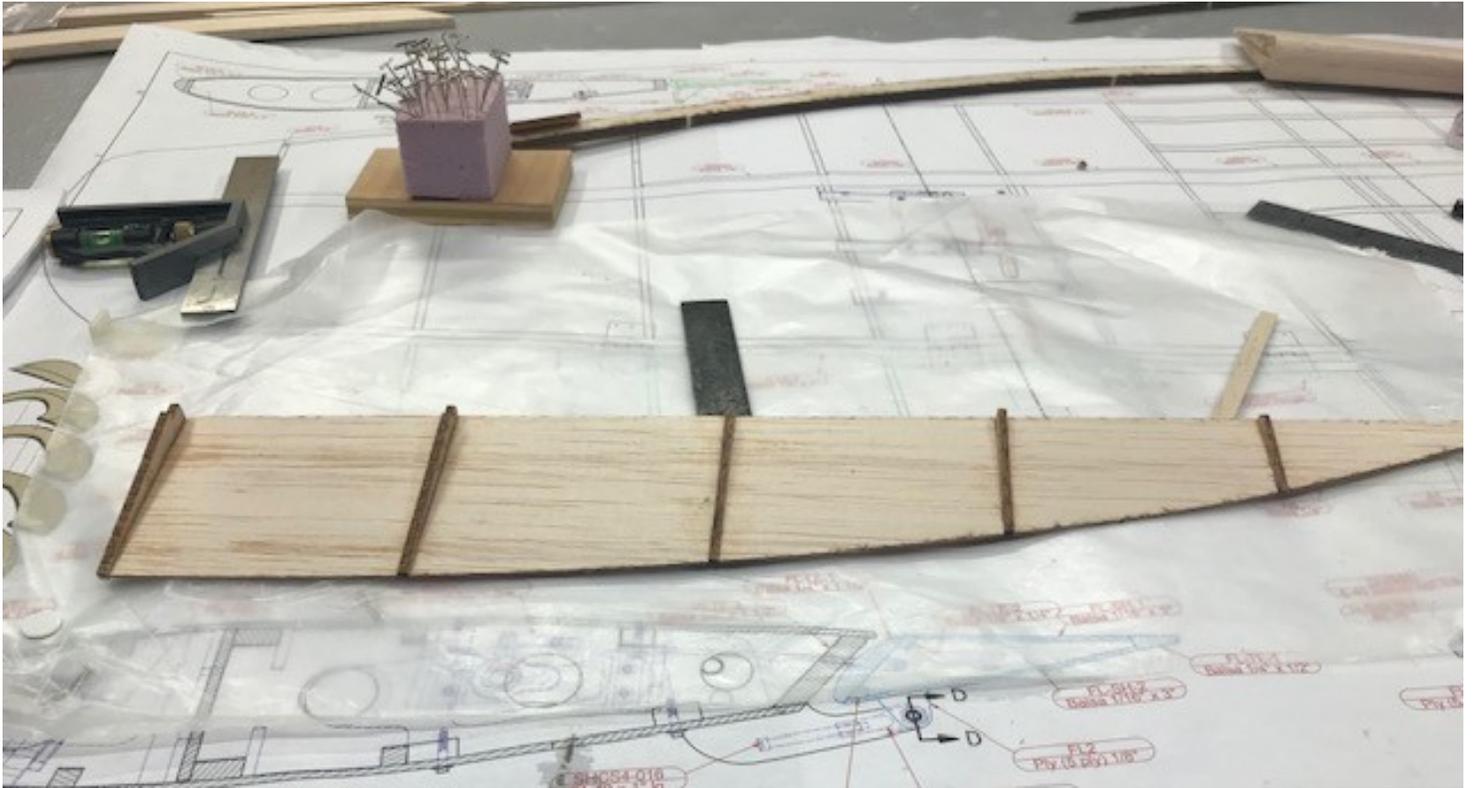
They are 1/16 sheet balsa covering ribs in between from leading edge to trailing edge.

These are showing pinned down sections that will be held with Lepage’s carpenter glue.

When dry they will be sanded to a smooth shape then wait for covering.



These pictures show the start of the process to build the ailerons. This also is made up of 1/16 sheet balsa with the ribs laid out and glued in place. Carpenters glue is used so it requires time to dry before the next step.



This picture shows the ailerons as complete and now waiting for cover-



This picture shows the stabilizer finished and now waiting to be covered. Construction is similar to the ailerons with the airfoil shaped ribs sandwiched in between sheets of 1/16 balsa. The leading and trailing edges have been attached and have been sanded and shaped. Carpenters glue holds it all together.



This picture shows the elevators completed and temporarily attached to the stabilizer. Hinges have been installed and both sections have been adjusted for proper clearance.

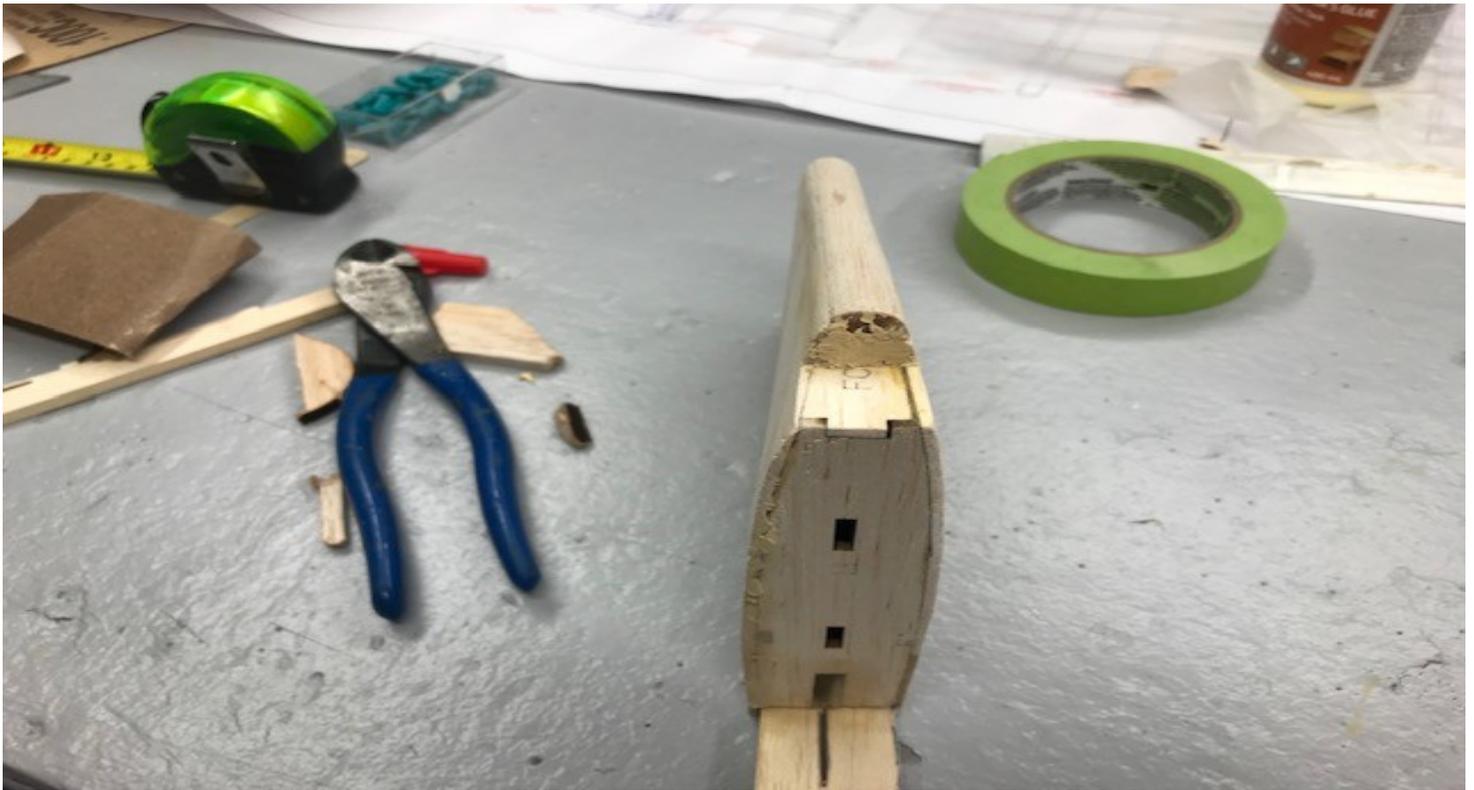
The elevator section were constructed using the same method as the ailerons and stabilizer.

These sections were also held together with carpenter glue. This method does take longer as you must be sure the glue is dry before taking the next step.



Now we are looking at the construction of the vertical fin. This pic shows it covered in 1/16 balsa and ready to cover.





Top pic shows the rib section covered with 1/16 balsa sheets. This is glued using lepage glue. The bottom pic shows the complete shape of the fin with 1/4 x 1 1/2 trailing edge where the hinges are mounted. The leading edge is made up of 1/4 x 1/2 balsa strips then it is sanded to shape form-





Top pic shows construction of the rudder. The leading edge is boxed and covered in 1/16 balsa. This is the hinge face and the structure holding the ribs which are forked tailed and accept the curved trailing edge. The trailing edge is slid in place and glued to form the curved shape of the rudder. Bottom pic shows both pieces together and now wait covering.

