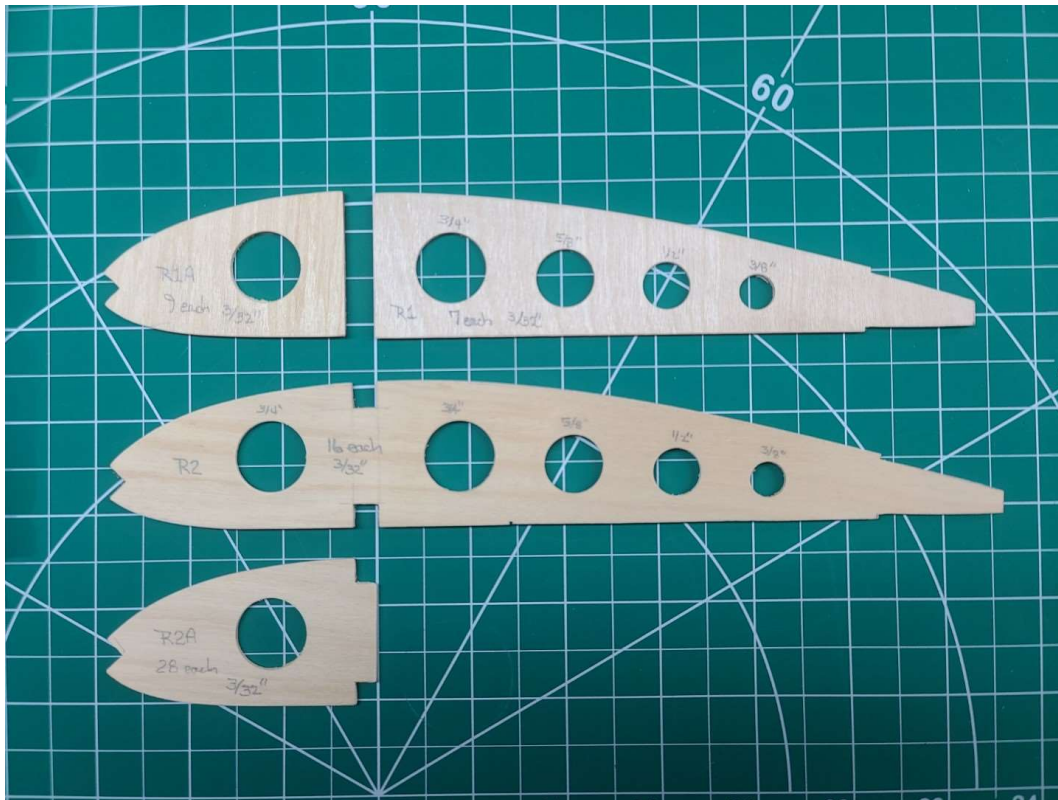




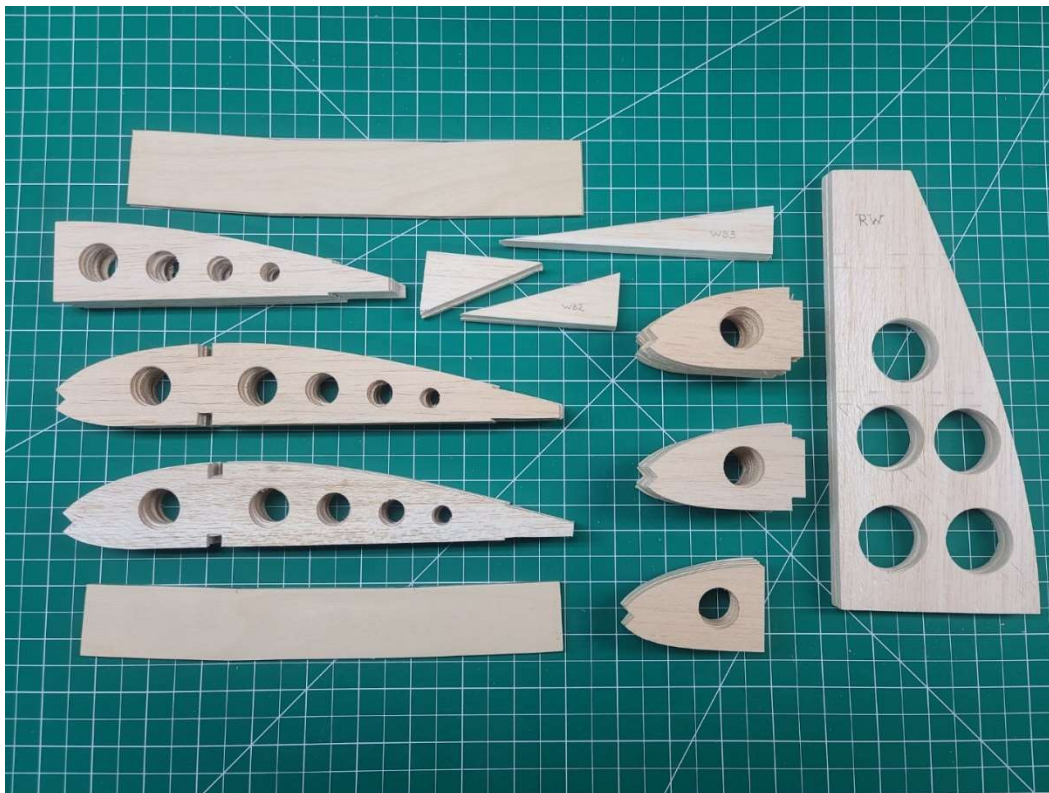
## Miss Vintage Build Description

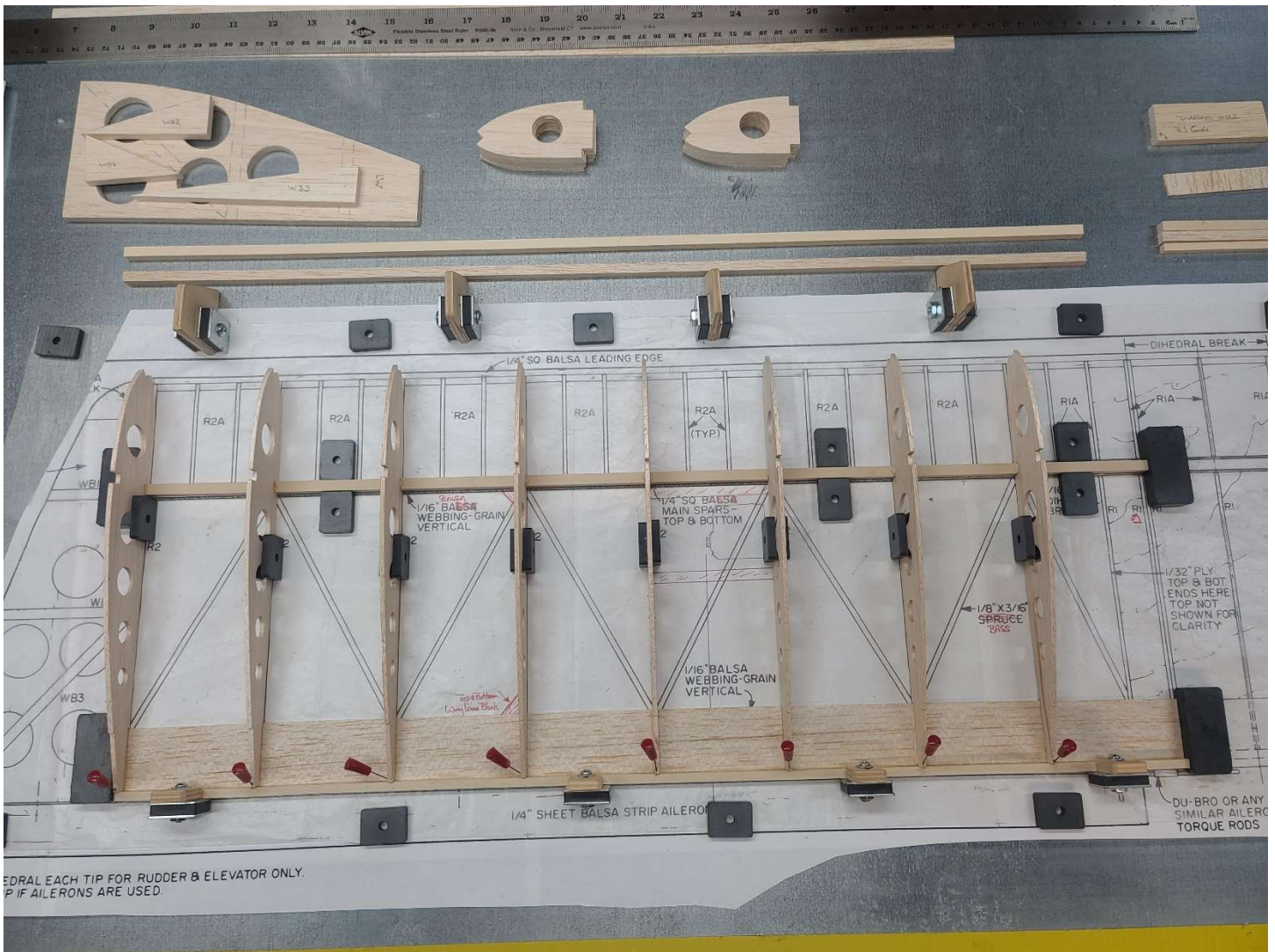




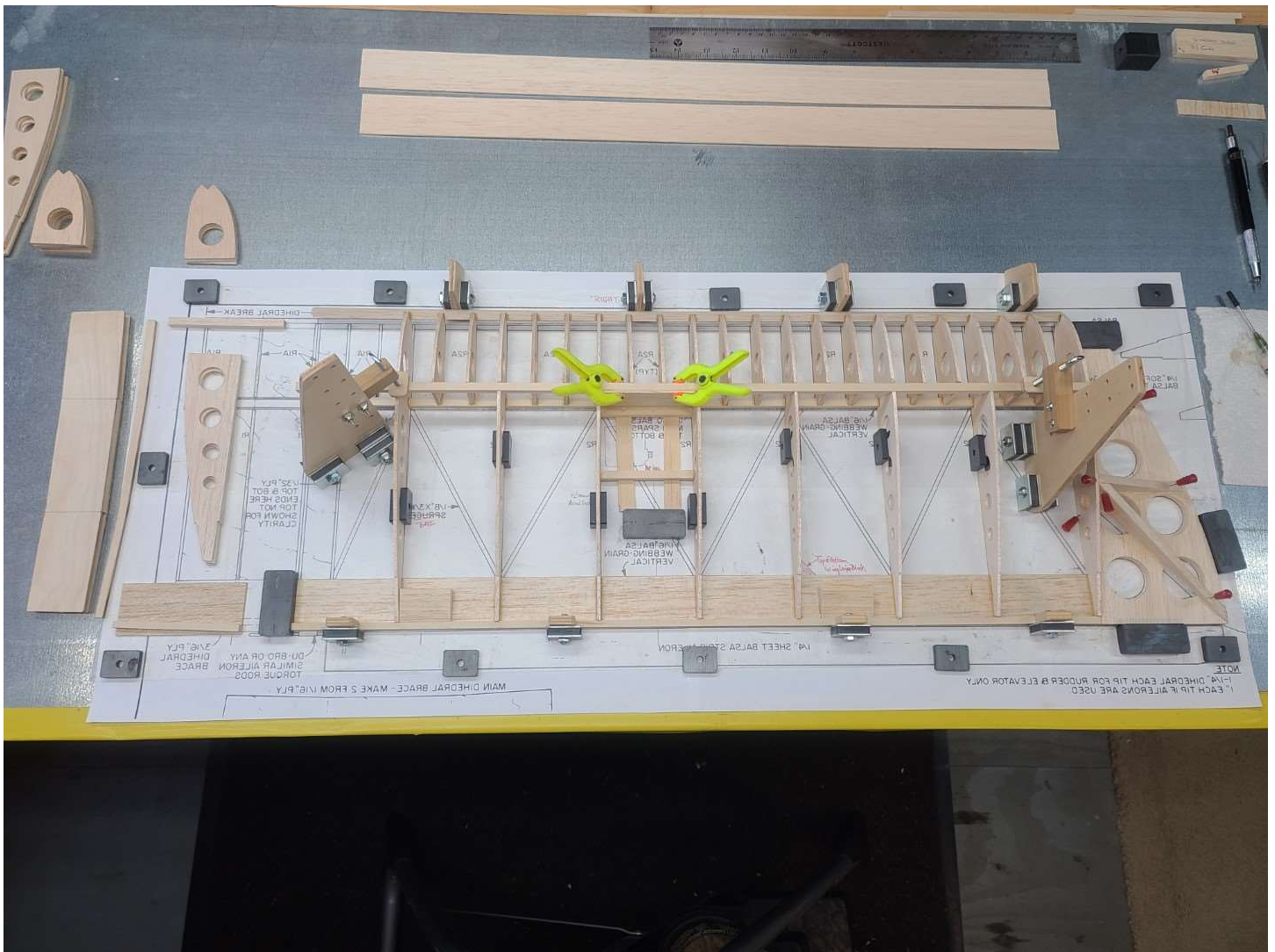


To start this build I took the wing rib profiles from the plans and transferred them to 1/16" plywood, which I then added some lightening holes as can be seen in the above image. Using these templates, I could quickly cut out each rib from 3/32" balsa sheets with a couple passes of a #11 X-Acto knife along the outline of the template. Seen below are all the wing ribs, wingtips and support braces from 1/4" balsa sheet, and the front and rear wing dihedral braces cut from plywood sheets. So, the next step is to start building the left-wing panel using my magnetic build board and fixtures.

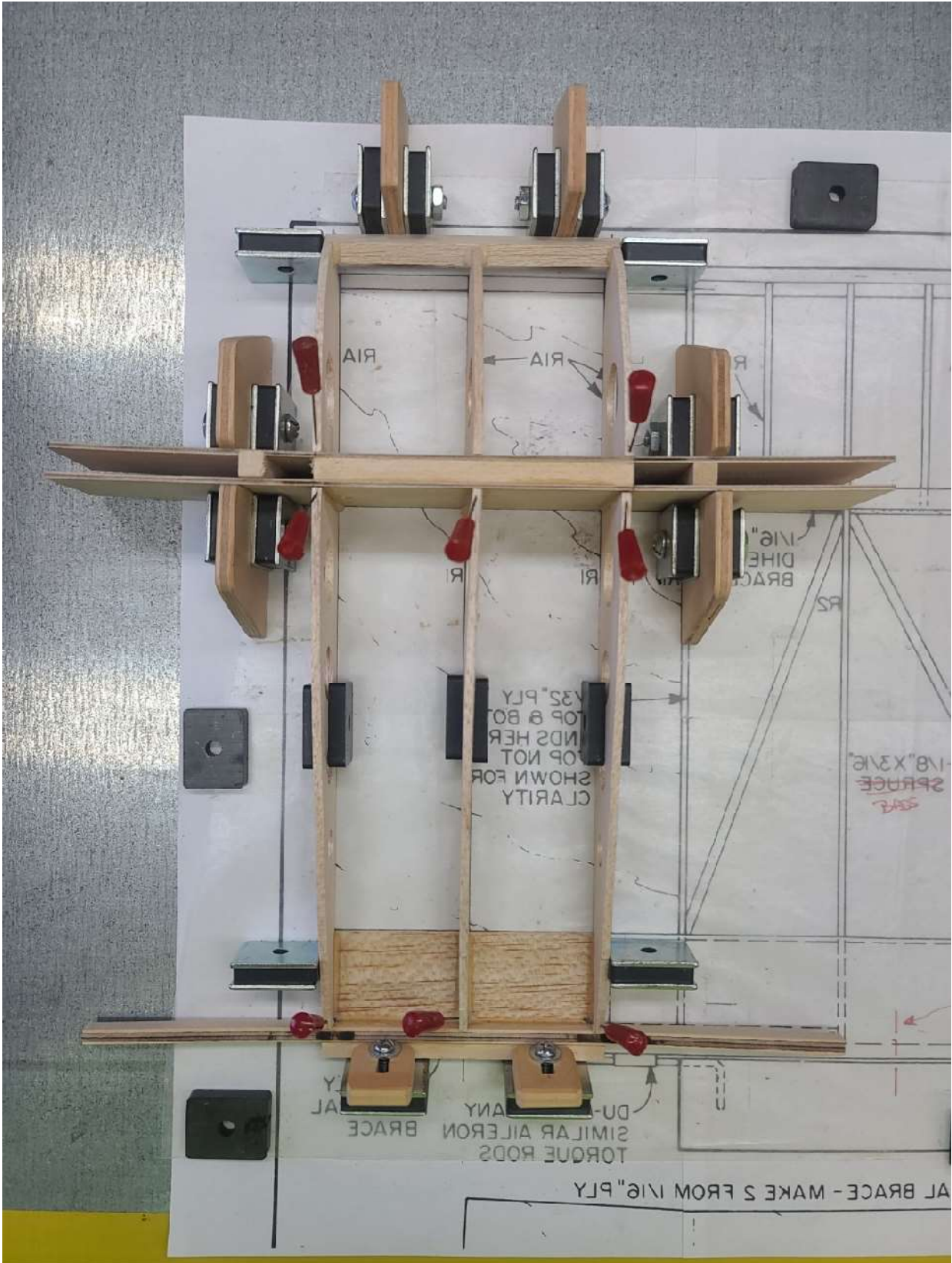




The image above shows the start of the left-wing panel build with the 8 R2 ribs glued to the lower 1/4" square basswood spar, 1/16<sup>th</sup> balsa sheet and 3/16" square balsa trailing edge. Small magnets are used to keep each R2 rib vertical and in position while the Titebond III wood glue dries overnight. You can see where I plan to put the HS-225BB aileron servo between the 3<sup>rd</sup> and 4<sup>th</sup> R2 ribs, which will also alter the 1/8"x3/16" bass diagonal bracing between some of the R2 ribs.



In this next image above, you see the right-wing panel build. Here all eight R2 ribs were first glued in place, followed by the 1/4" square balsa leading edge and then the 1/4" square basswood top spar. Then all 14 R2A ribs were glued in place along with the right wingtip and support braces. You can see the aileron hatch support bracing which is held 3/32" above the bottom of the wing to allow for the aileron hatch thickness. I also added two balsa filler blocks between the trailing edge sheeting to provide more surface area for the aileron hinges gluing. Next up is the buildup of the wing center section using R1 and R1A ribs, main dihedral plywood bracing, and the other pieces seen at the left of the above image. This center section will be used to join the two wing panels together.



Seen above is the build-up of the wing center section directly over the right-wing panel plans.



In the image above you see all three wing sections in a jig I set up on my wood workbench for a dry-run test fit. Only some minor adjustments to the main spar ends were needed to get a nice fit. Looking good so far. Next comes mixing up some epoxy and putting these beauties together for a total wingspan of 59". I used the 1" dihedral at the end of the main spars as called out on the plans. Once the wing join epoxy has cured, I'll complete the wing build with installation the remaining R1 and R1A ribs, top and bottom 1/32<sup>nd</sup> plywood sheeting over the entire wing join area, some 1/16<sup>th</sup> vertical grain shear webbing at the main spars and between the trailing edge balsa sheeting, basswood diagonal braces between the wing ribs, soft balsa wingtip nose blocks, and an overall sanding to get the final shape needed. The plans for the fuselage and tail feathers will now go down on my magnetic build board in preparation of their assembly.