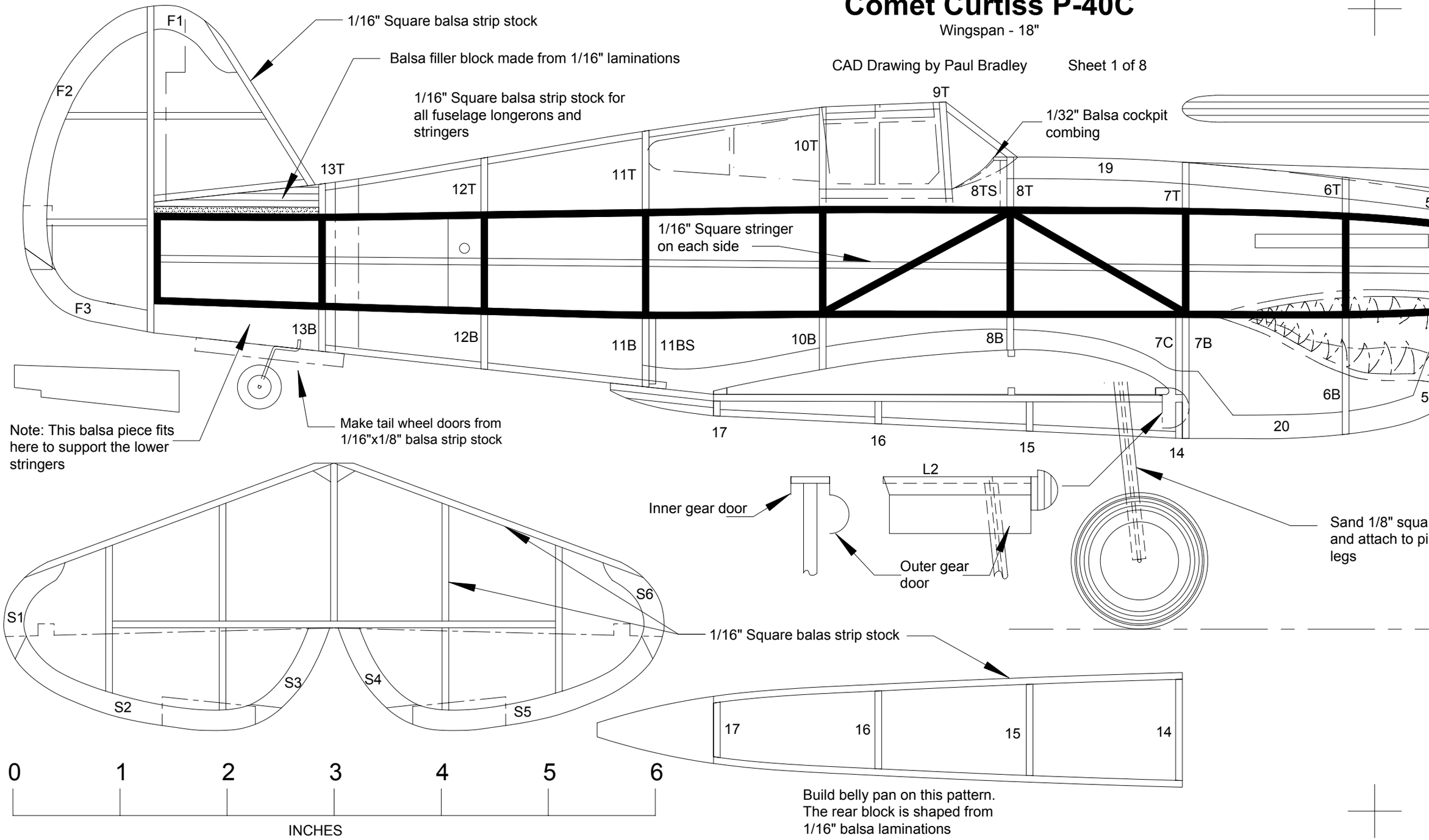
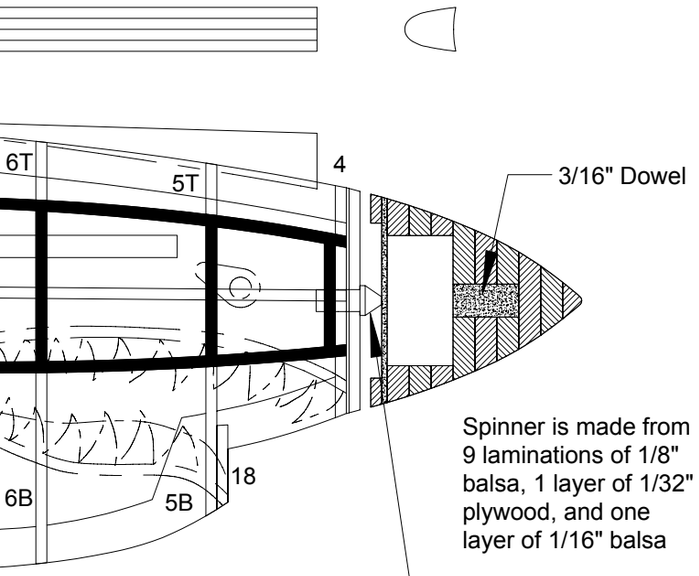
Comet Curtiss P-40C

Wingspan - 18"

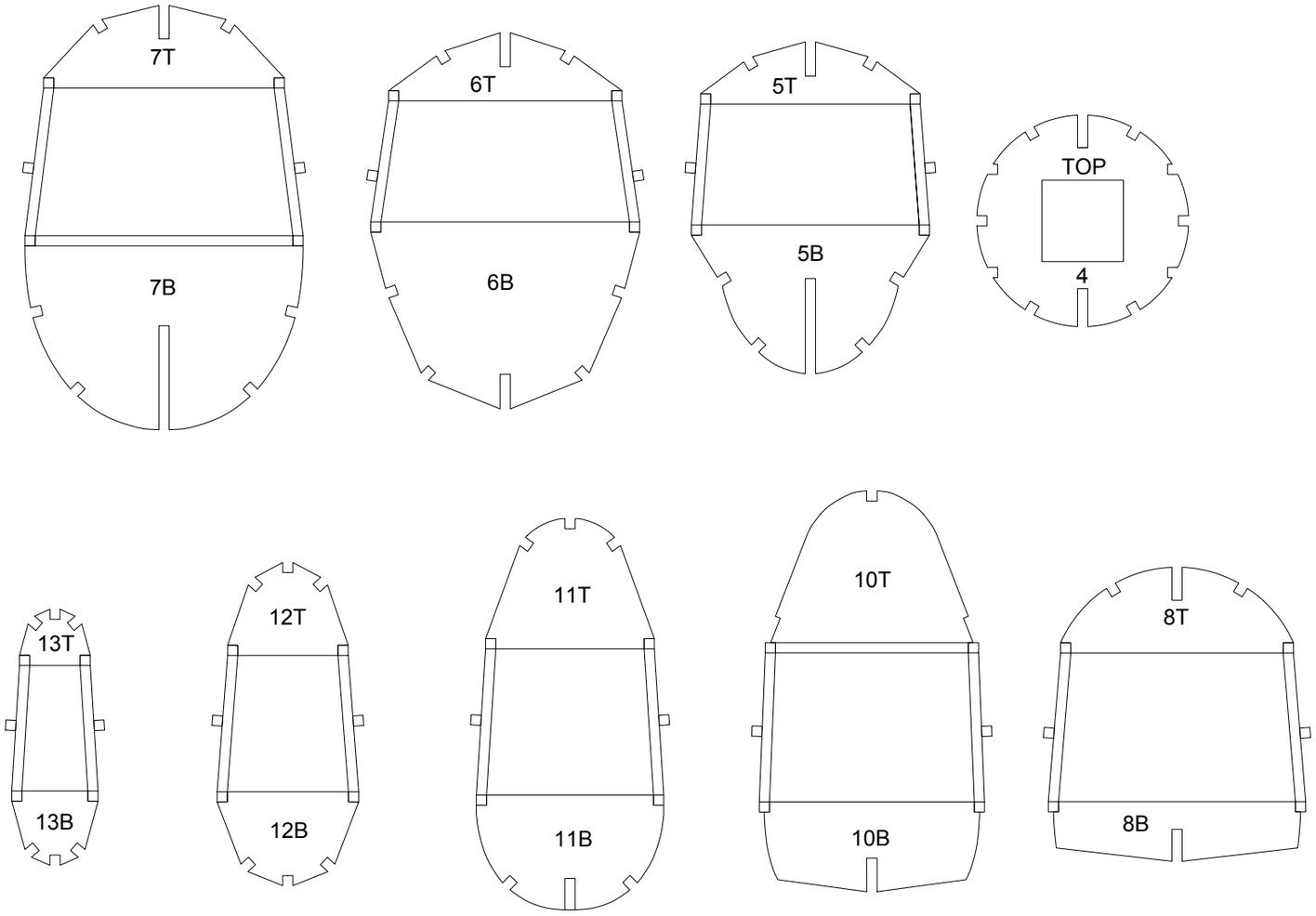
CAD Drawing by Paul Bradley Sheet 1 of 8





Spinner is made from 9 laminations of 1/8" balsa, 1 layer of 1/32" plywood, and one layer of 1/16" balsa

Sand 1/8" square balsa stock round, split and attach to piano wire for landging gear legs



0 1 2 3 4 5 6

INCHES

Comet Curtiss P-40C

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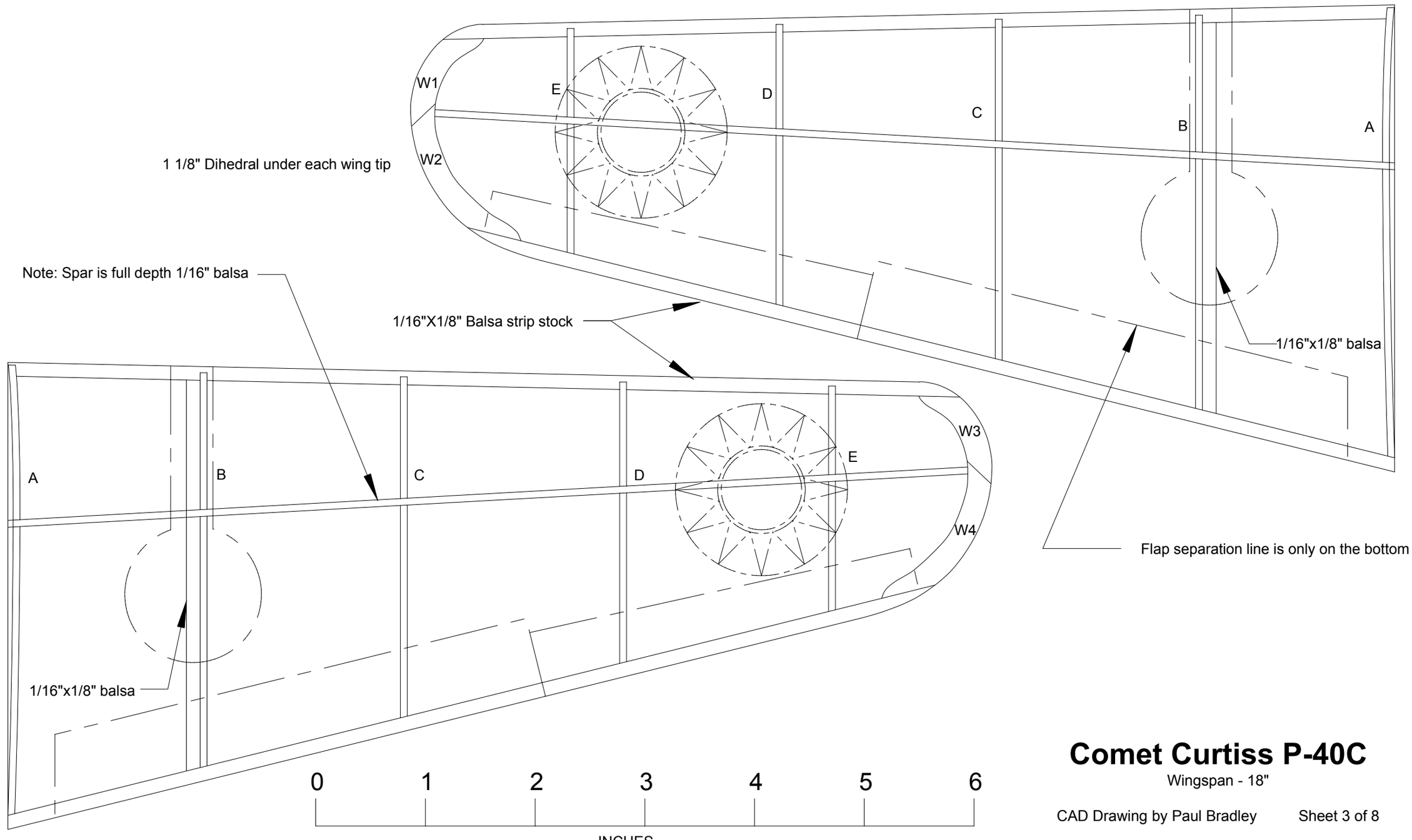

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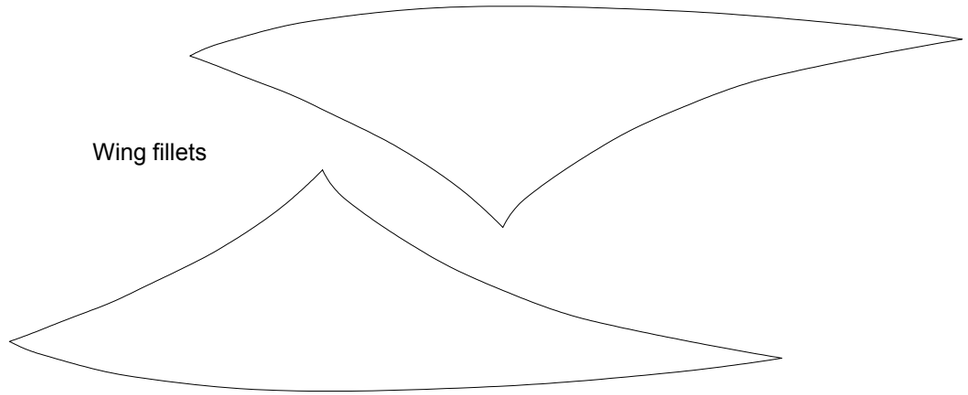
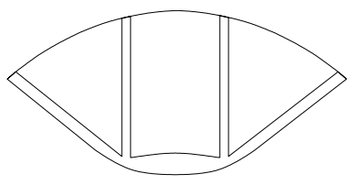
Inner gear doors

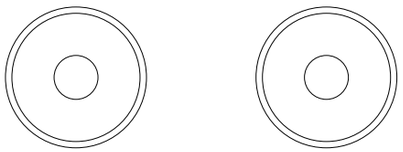
Outer gear doors

Wing fillets





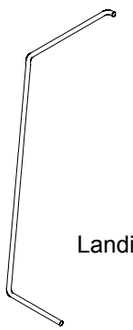
Wheel Covers

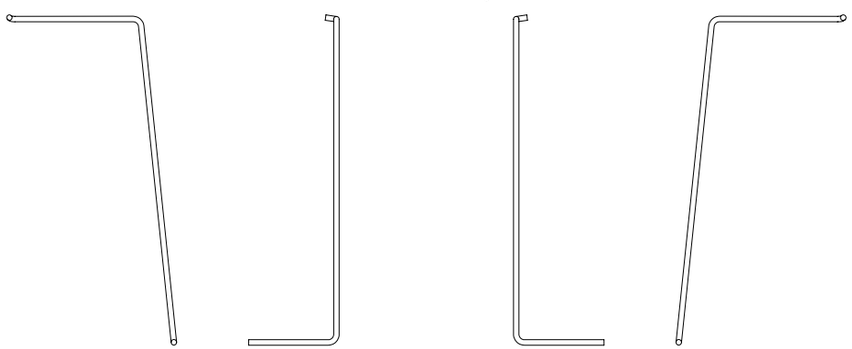


Inside

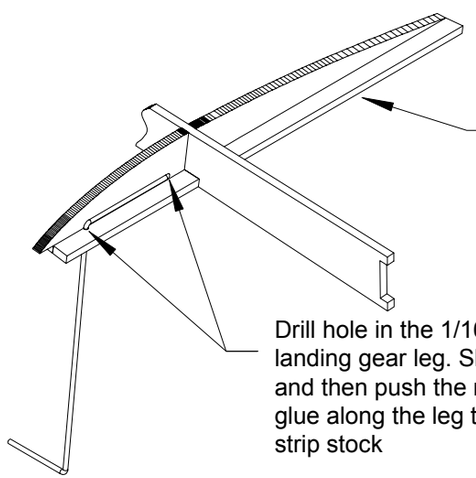
Outside

Landing gear leg



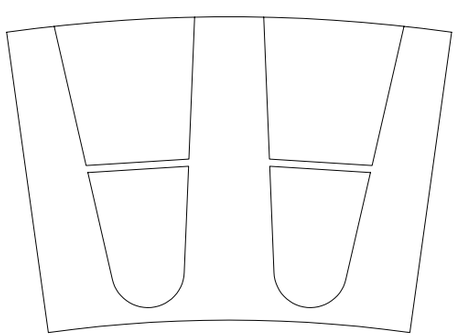


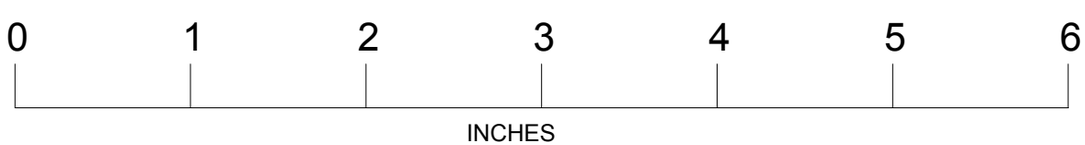
Make landing gear legs from .025 piano wire



1/16" x 1/8" balsa strip stock

Drill hole in the 1/16" x 18" strip to accept the landing gear leg. Slide the leg through the hole and then push the rear bend through rib B. Apply glue along the leg that rests against the rib and strip stock





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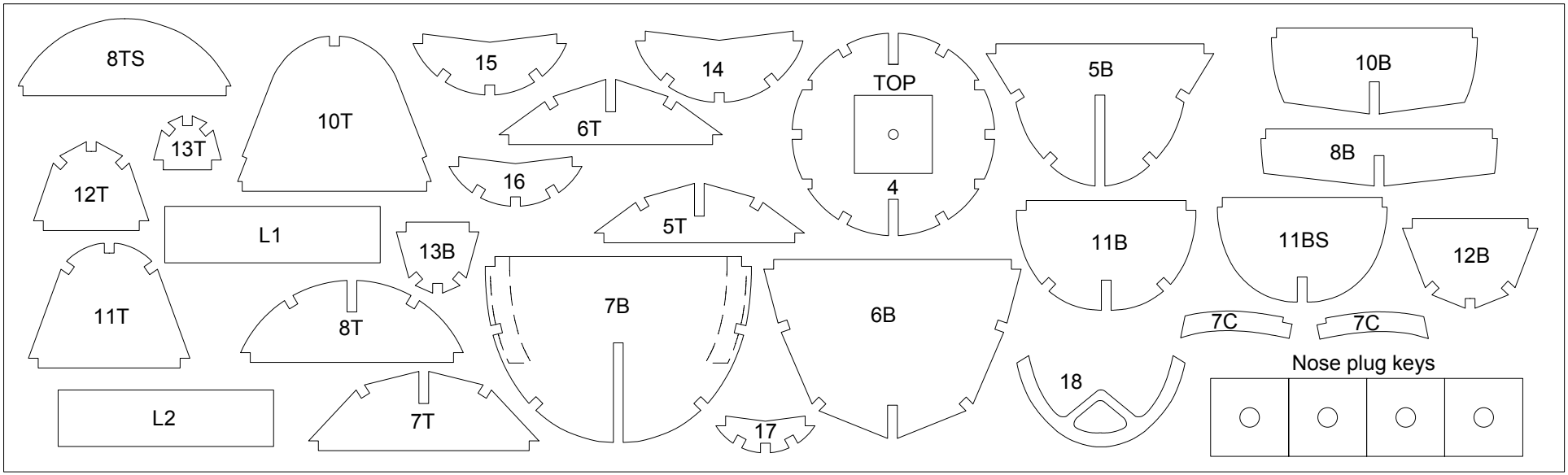

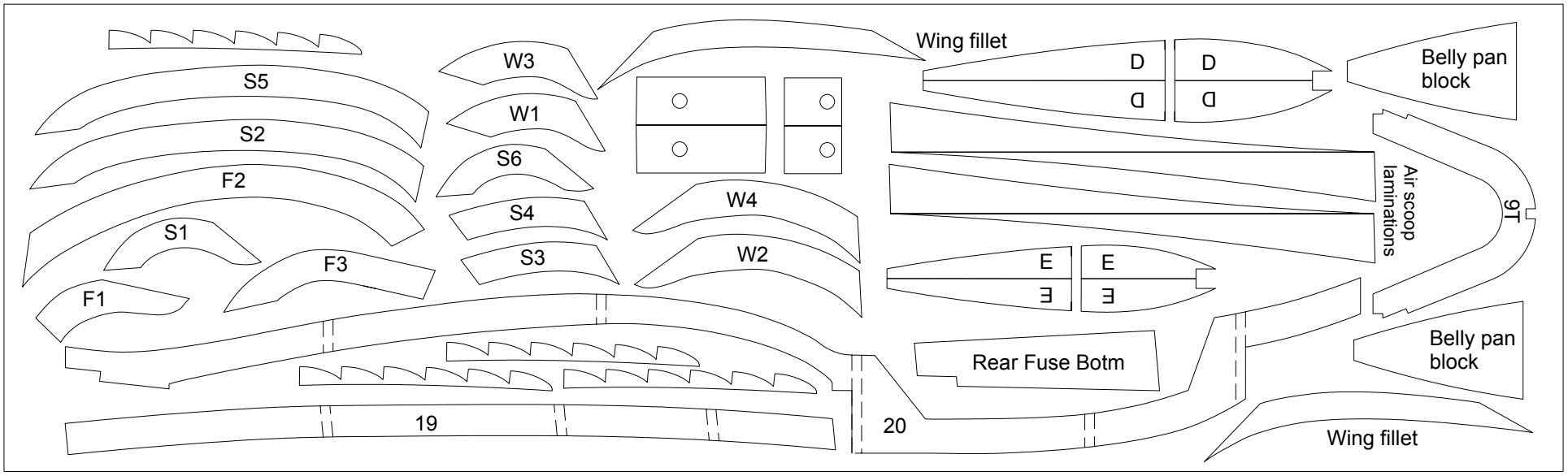

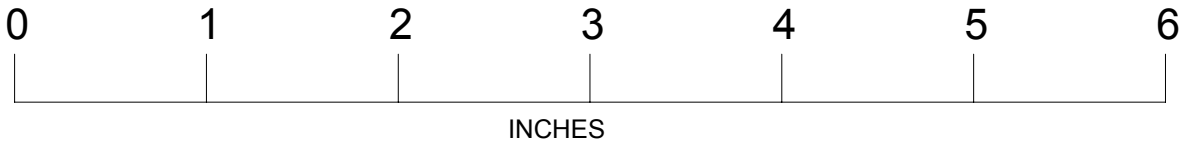

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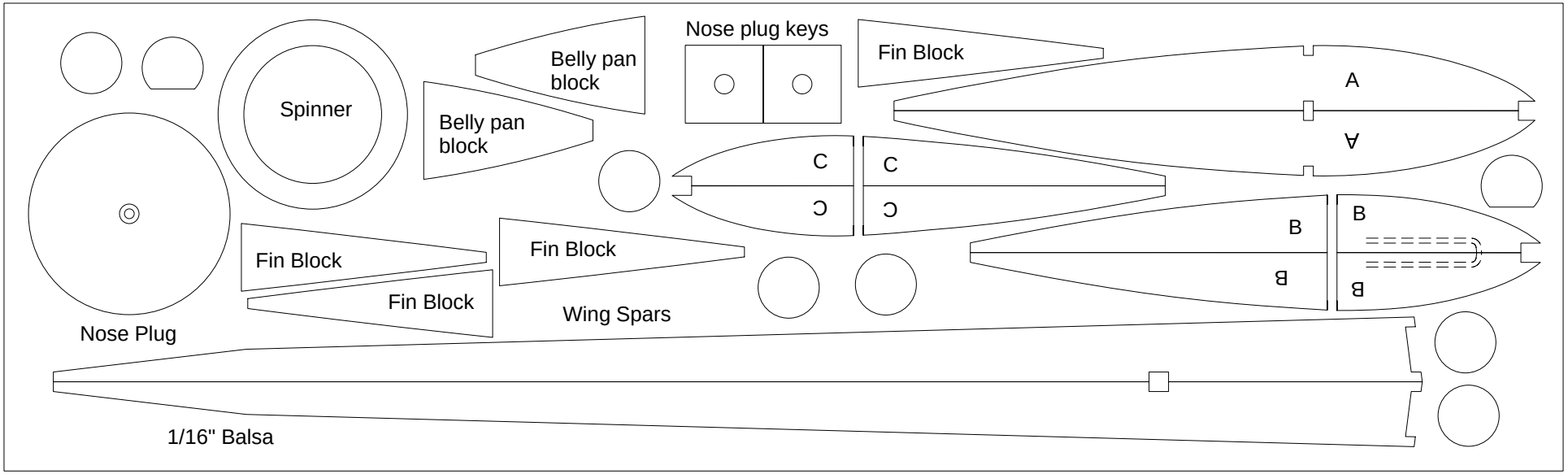
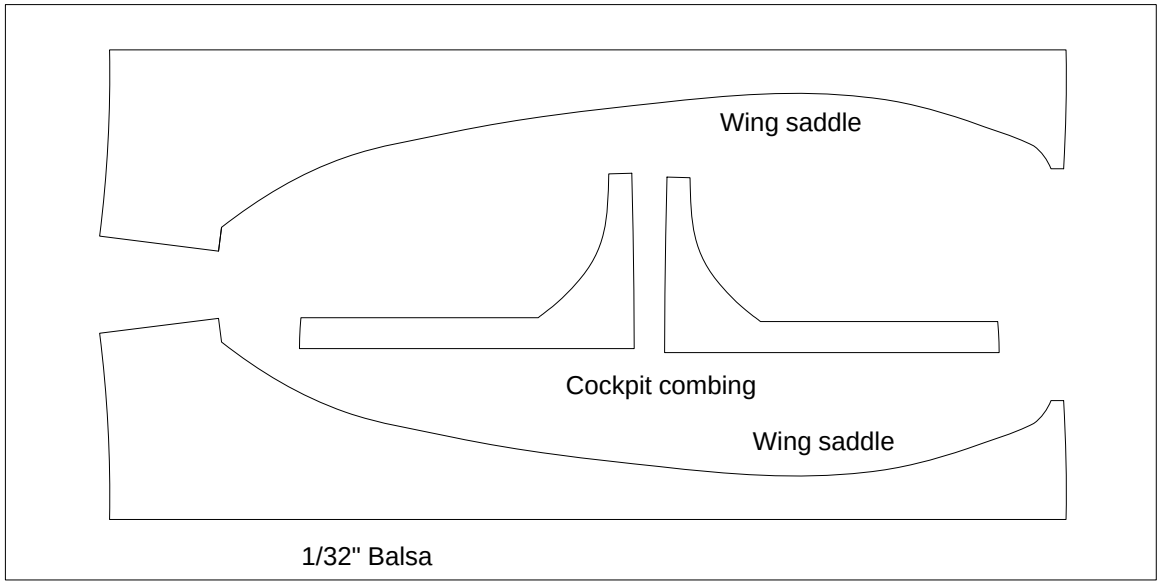
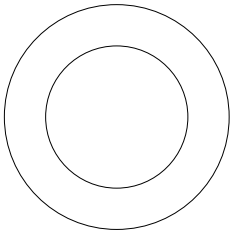
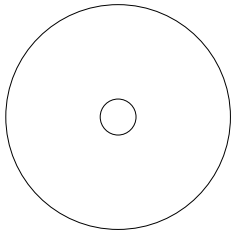




Spinner Parts



Make 3 from 1/8" balsa



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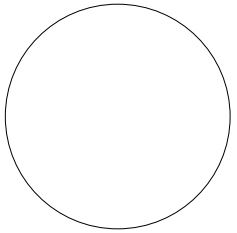
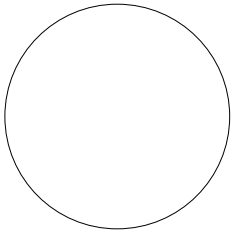
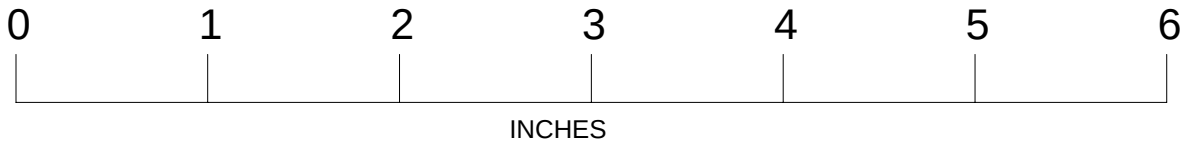


Make 3 from 1/8" balsa



Make 1 from 1/32" plywood



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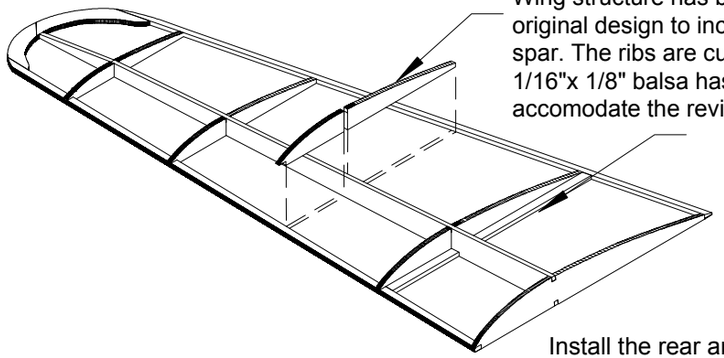
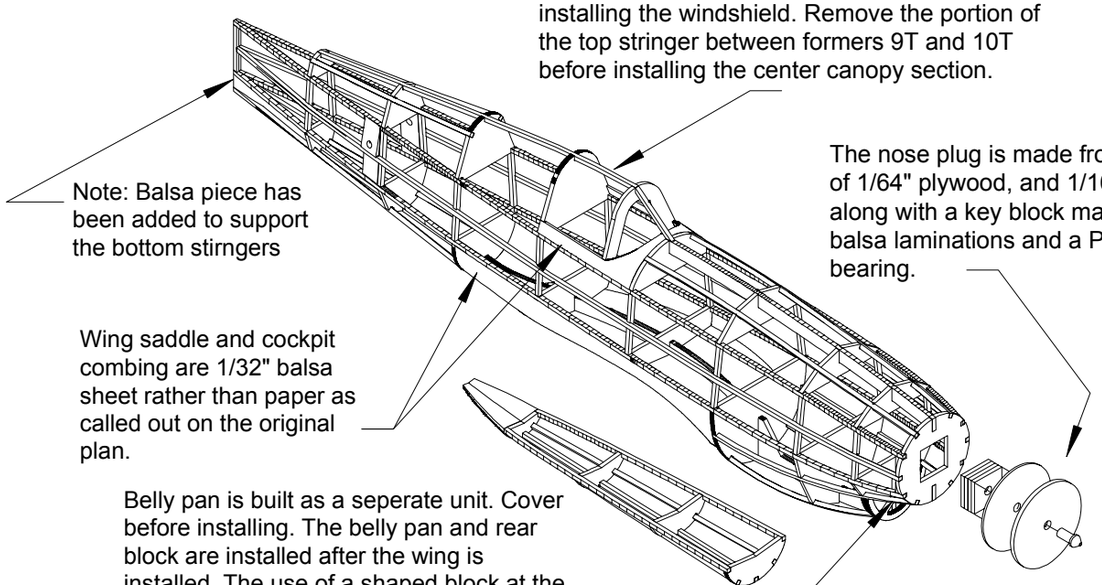
BUILDING NOTES



Wing structure has been modifed from the original design to incorporate a full depth balsa spar. The ribs are cut to clear the spar. A strip of 1/16"x 1/8" balsa has also been added to accomodate the revised landing gear arrangment.

Install the rear and front sections of the canopy before installing the center section. Remove the 1/16" square support in front of 9T before installing the windshield. Remove the portion of the top stringer between formers 9T and 10T before installing the center canopy section.



Note: Balsa piece has been added to support the bottom stirngers

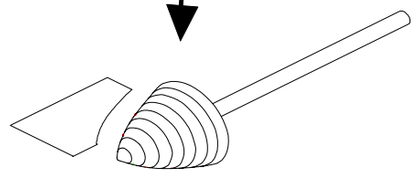
The nose plug is made from a lamination of 1/64" plywood, and 1/16" balsa disks along with a key block made from 1/16" balsa laminations and a Peck thrust bearing.

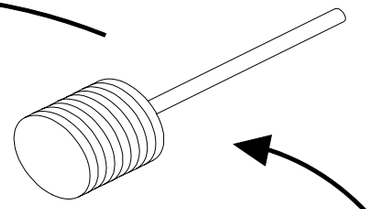
Wing saddle and cockpit combing are 1/32" balsa sheet rather than paper as called out on the original plan.

Belly pan is built as a seperate unit. Cover before installing. The belly pan and rear block are installed after the wing is installed. The use of a shaped block at the rear of the belly plan is a change from the original plan.

Plank the bottom of the nose forward of former 5B. Add piece 18 after the bottom of the nose has been planked.

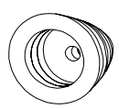
Spinner Fabrication



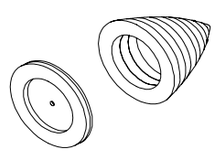


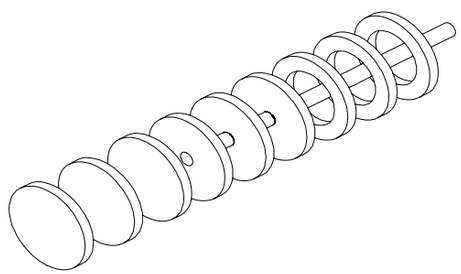
Step 2 - After the glue has dried on the assembly place the dowel in an electric drill. Run the drill and with a sanding block reduce the assembly diameter to be equal to the spinner base diameter.

Step 3 - Make a template from the spinner profile. Using a sanding block and the template shape the spinner while the assembly is being turned with the electric drill.



Step 4 - Using a dremel tool or something similar, trim off the 3/16" dowel where it exits the the assembly at the top of the opening formed by the bottom three disks.





Step 1 - Cut 9 1/8" balsa disks to 1/8" more than the spinner base diameter. Cut a 3/4" diameter hole in three of the disks. Cut a 3/16" hole in three of the remaining disks. Glue the three disks with the 3/16" holes to a length of 3/16" dowel and to each other. Glue the solid disks to the front of the assembly. Glue the three disks with the 3/4" holes to each other and then to the assembly.

Step 5 - Make up the 1/16" and 1/32" plywood disks. Glue them together. Confirm the fit with the main spinner assembly. Do not glue yet. Glue your prop to the plywood/balsa disk asembly. Mark the location of the prop blades on the main spinner assembly. Cut the main spinner assembly to clear the prop blades. When satisfied with the fit the main spinner assembly can be glued to the rear disk after installing the prop shaft.

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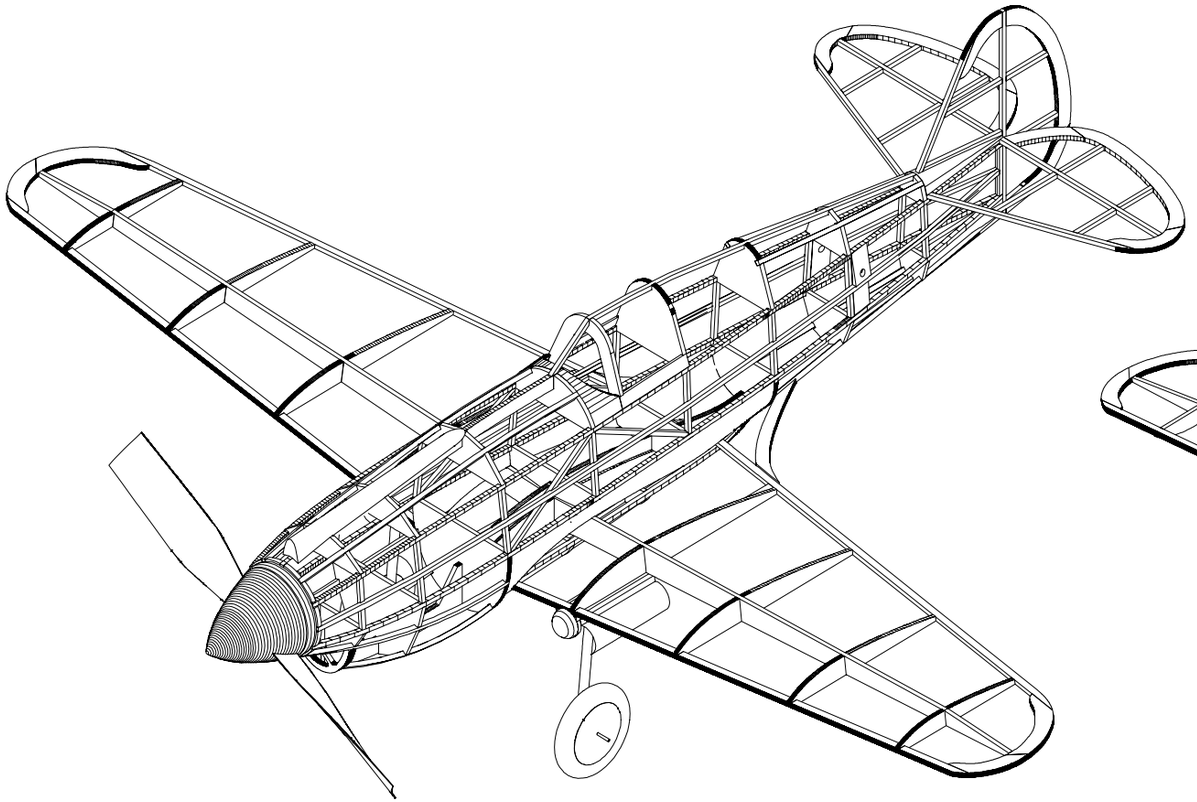

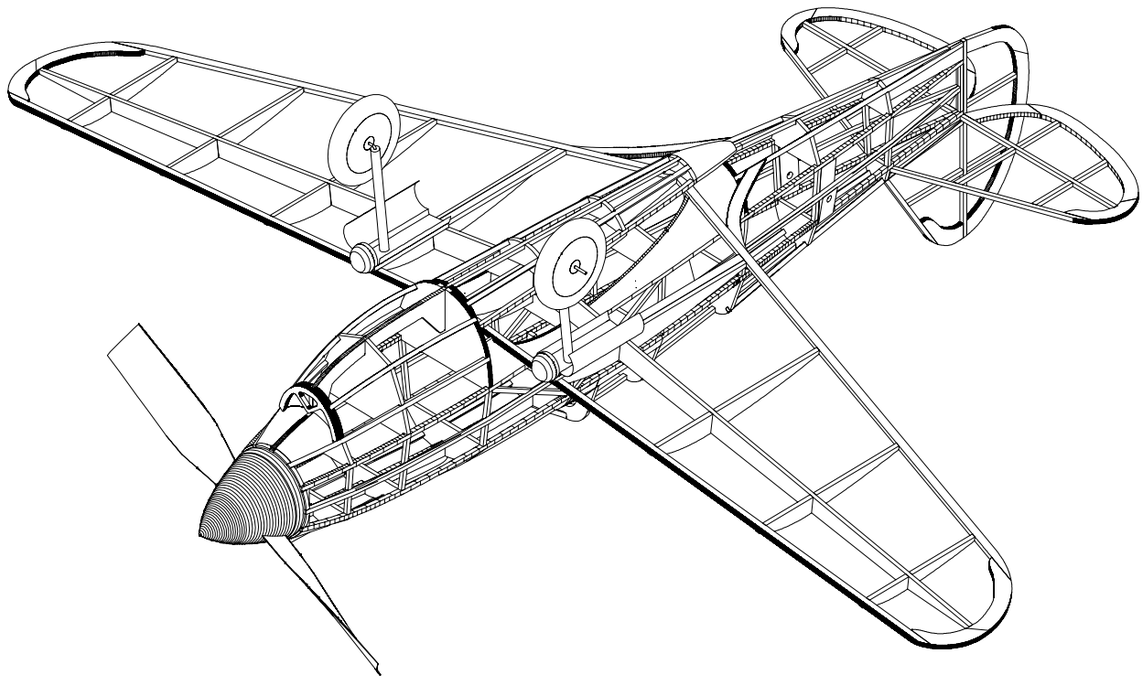

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