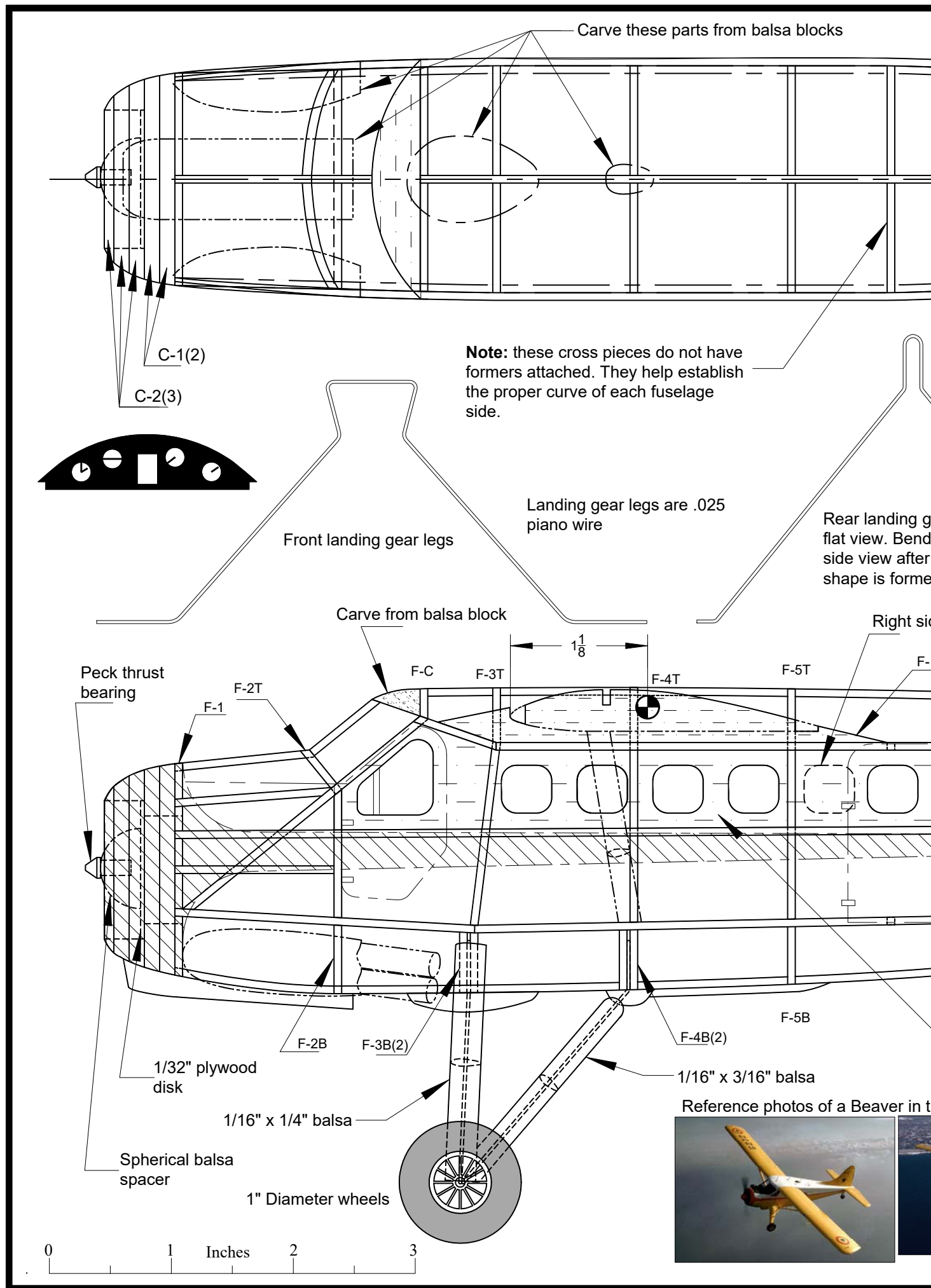
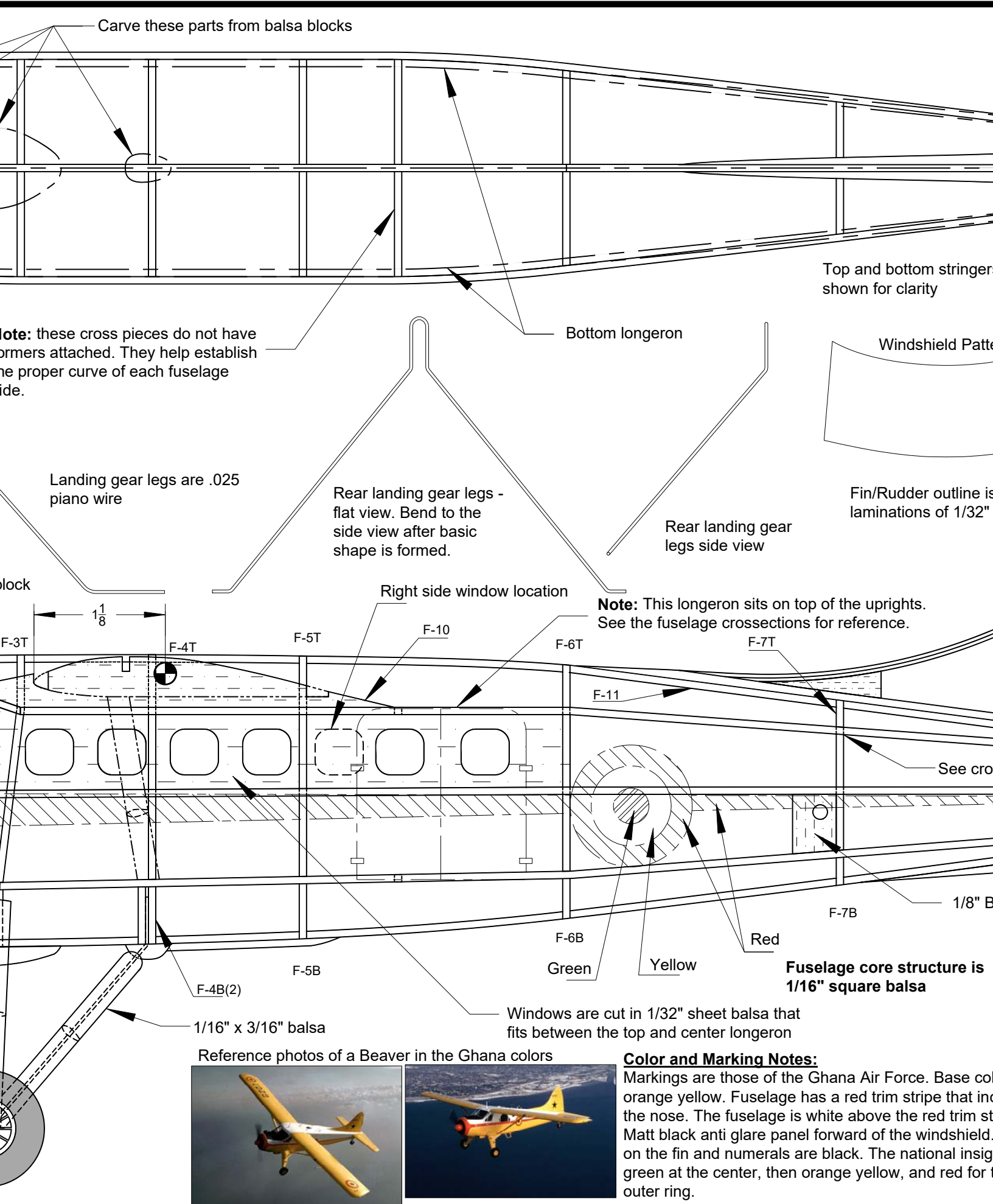
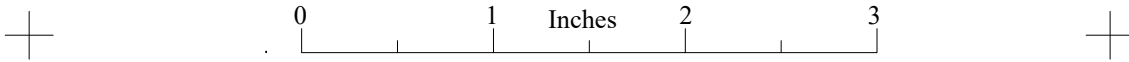


0 1 2 3
Inches



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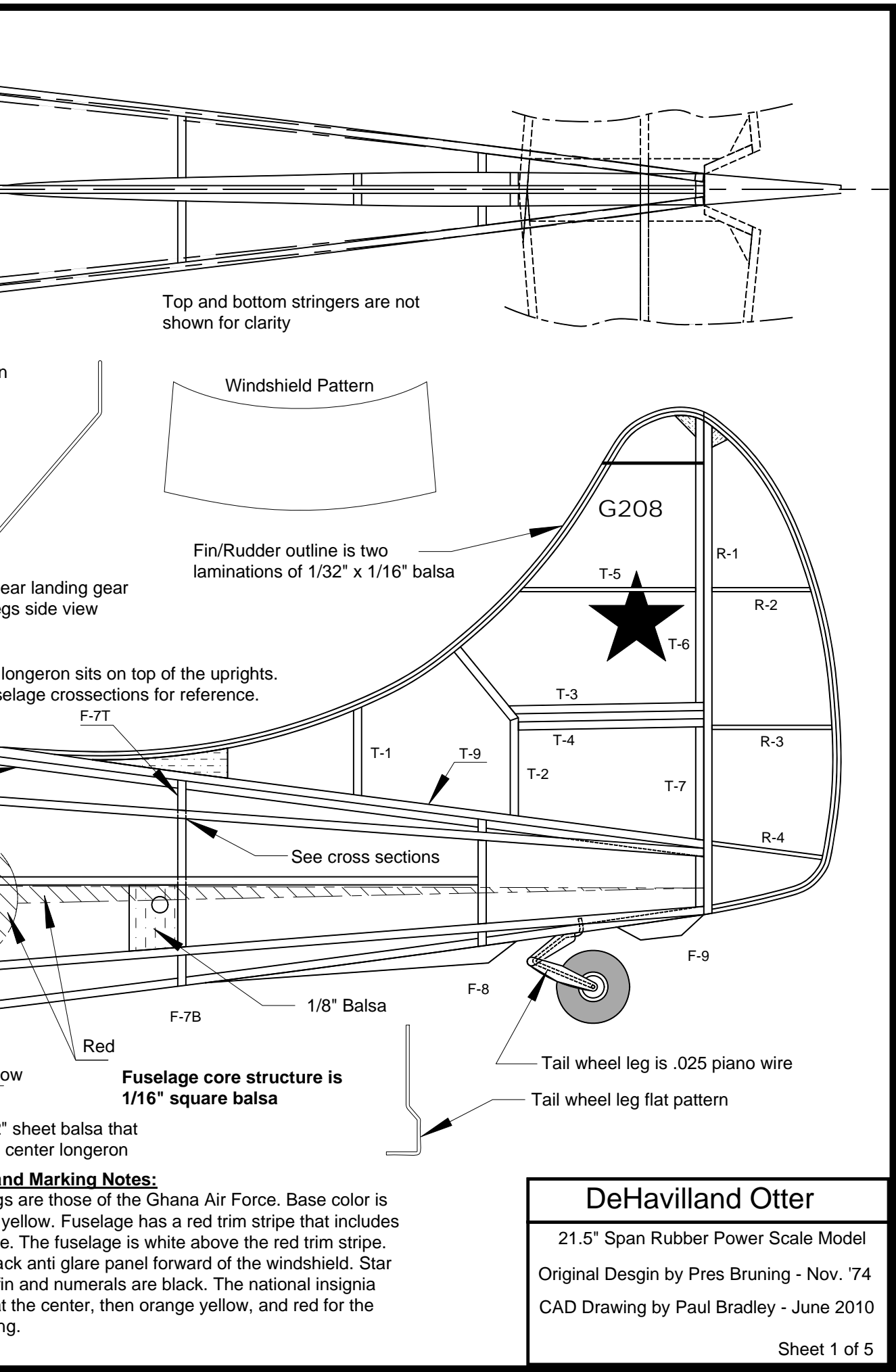




3



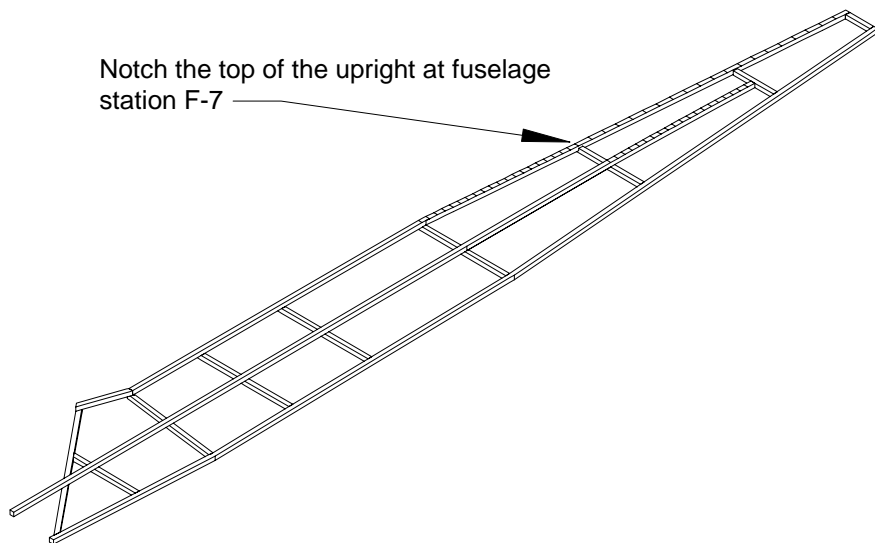
0 1 2 3
Inches



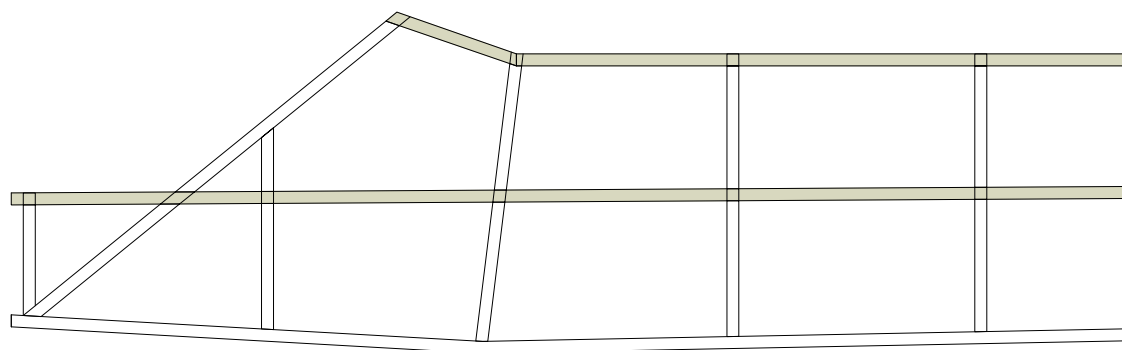
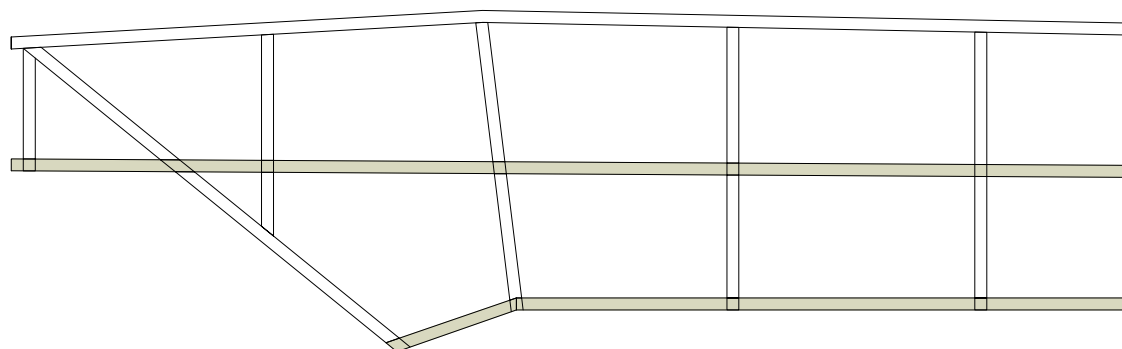
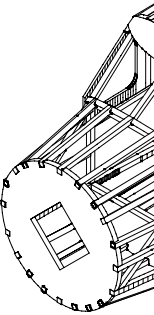
0 1 Inches 2 3



0



When laying out out each fuselage side please note that the top longeron rests on top of the uprights from station F-7 forward. At station F-7 the upright is notched to one half it's depth at the top. The top longeron is flush with the uprights at stations F-8 and F-9. The center stringer/longeron rests on top of the uprights from station F-7 forward. It is flush with the upright at station F-8 where it ends.



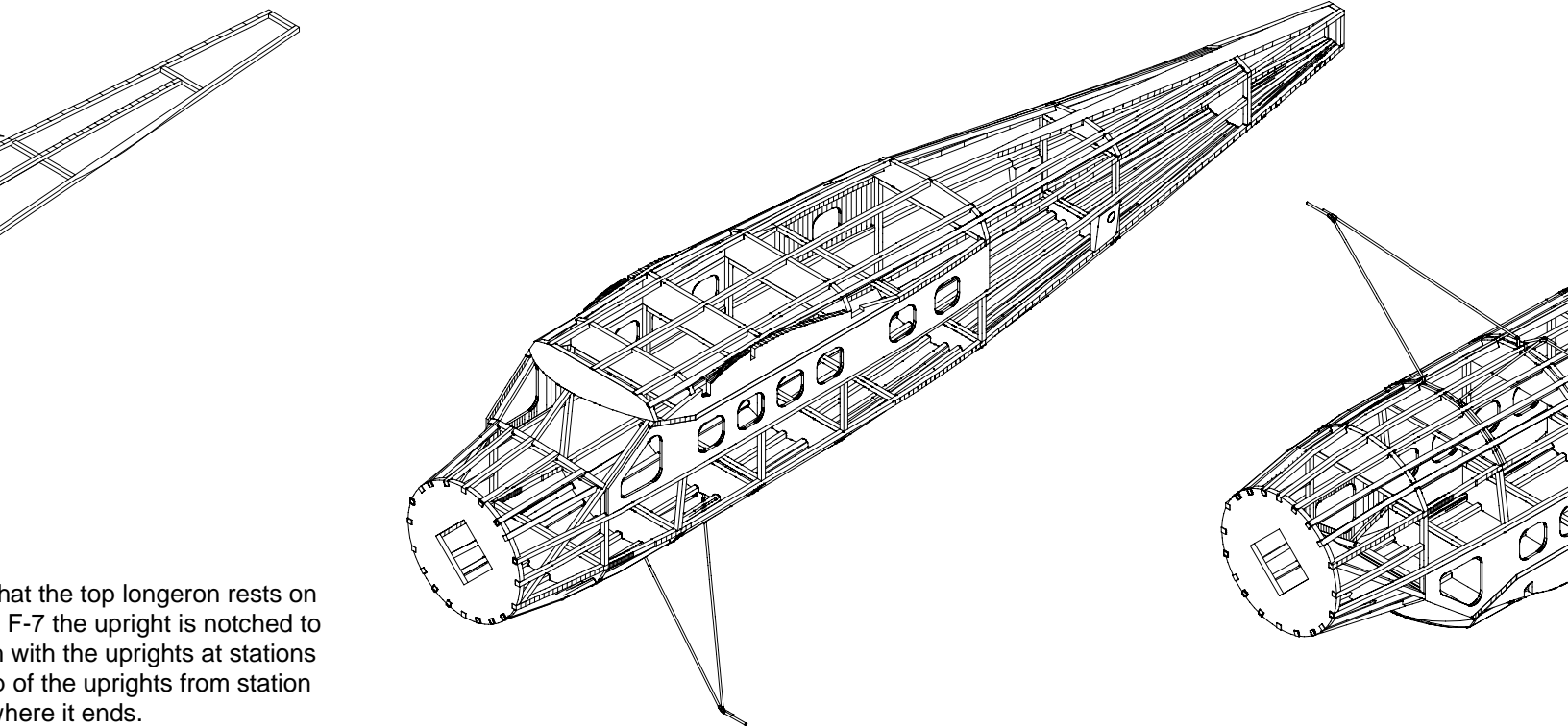
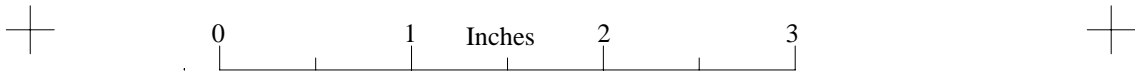
F-2

F-3

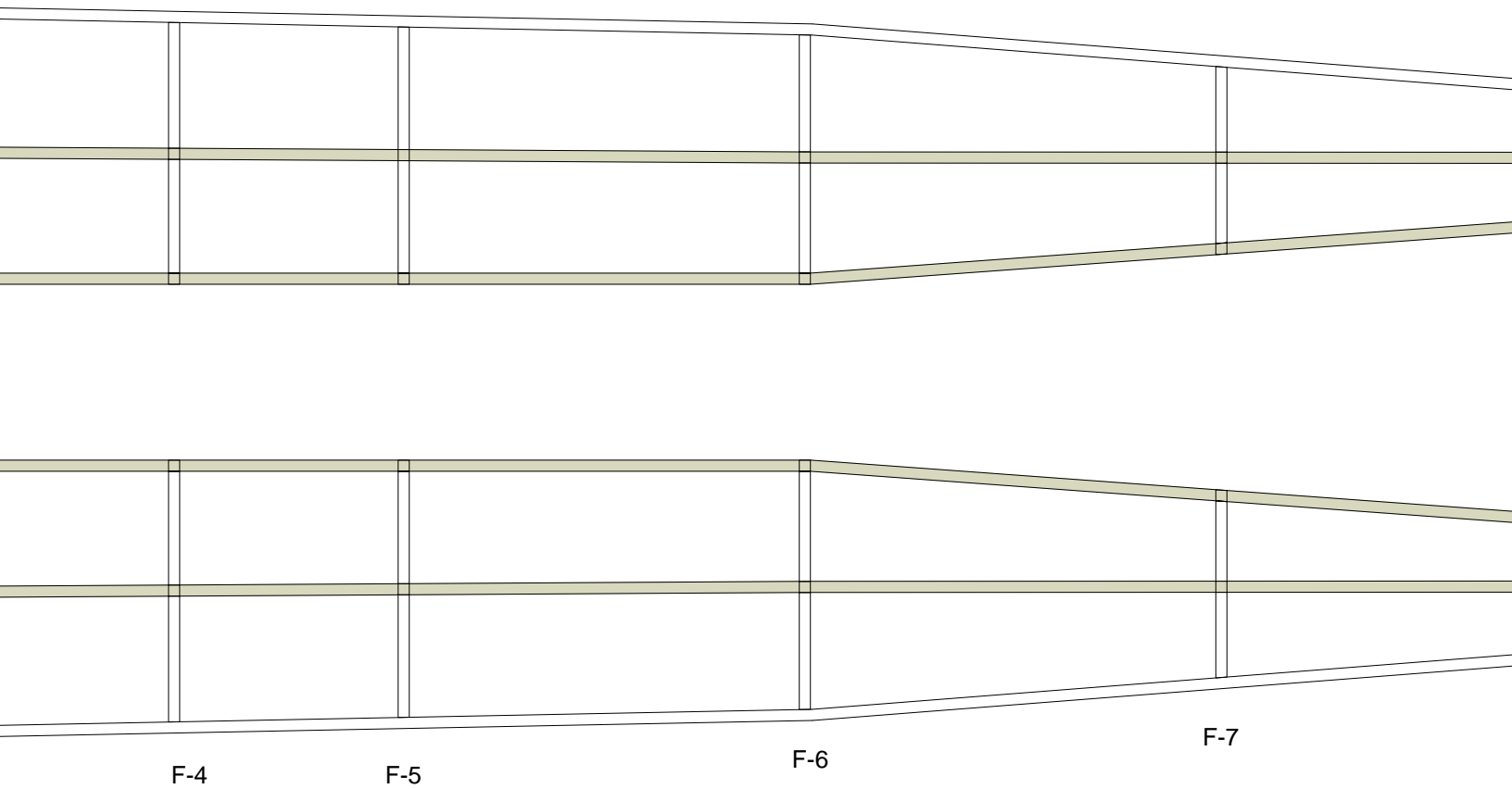
F-4

F-5





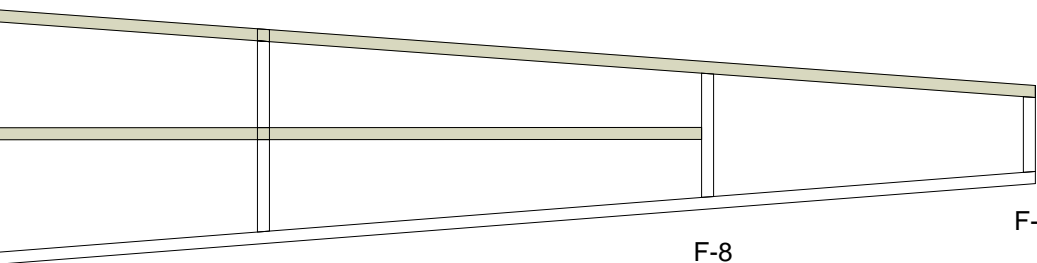
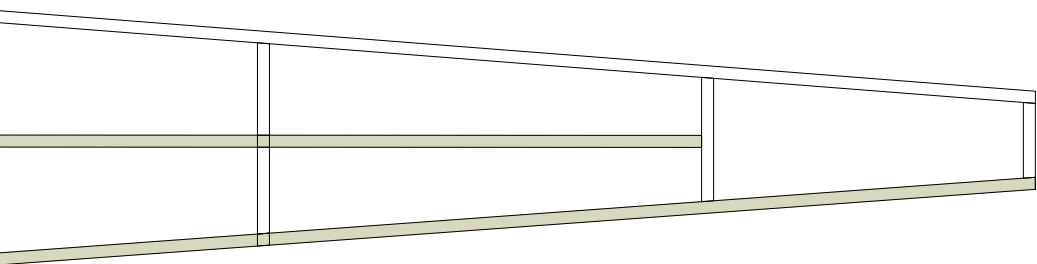
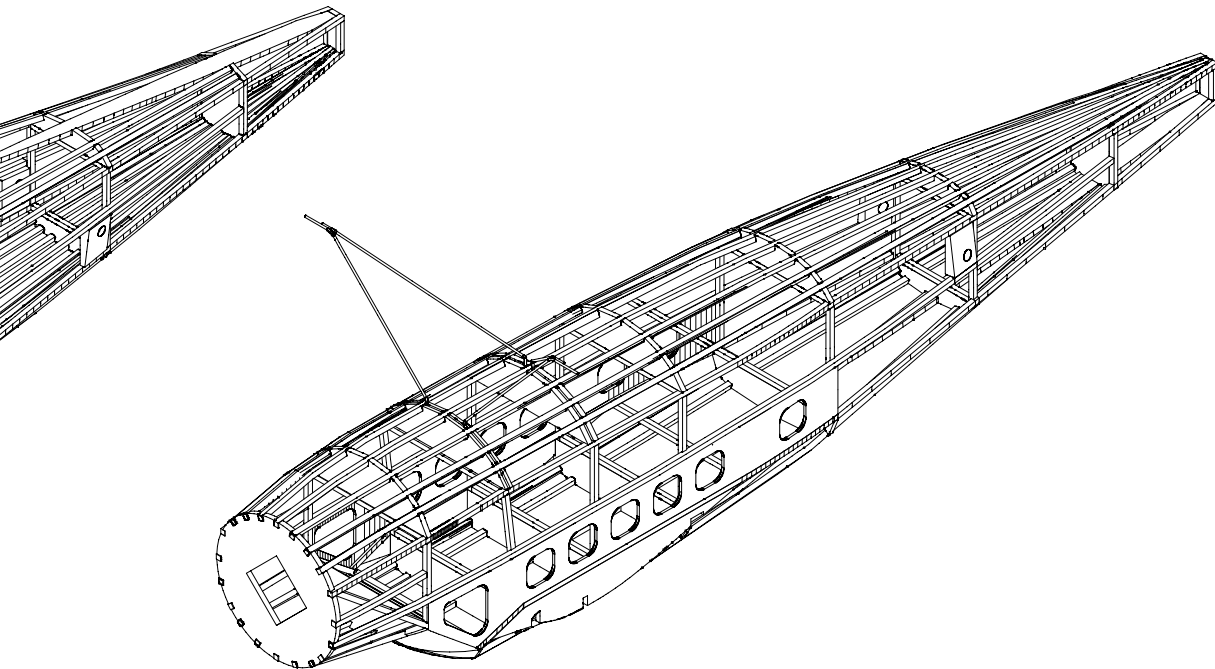
that the top longeron rests on
F-7 the upright is notched to
with the uprights at stations
o of the uprights from station
where it ends.



3
]



0 1 2 3
Inches



F-7

F-8

F-9

DeHavilland Otter

21.5" Span Rubber Power Scale Model
Original Desgin by Pres Bruning - Nov. '74
CAD Drawing by Paul Bradley - June 2010

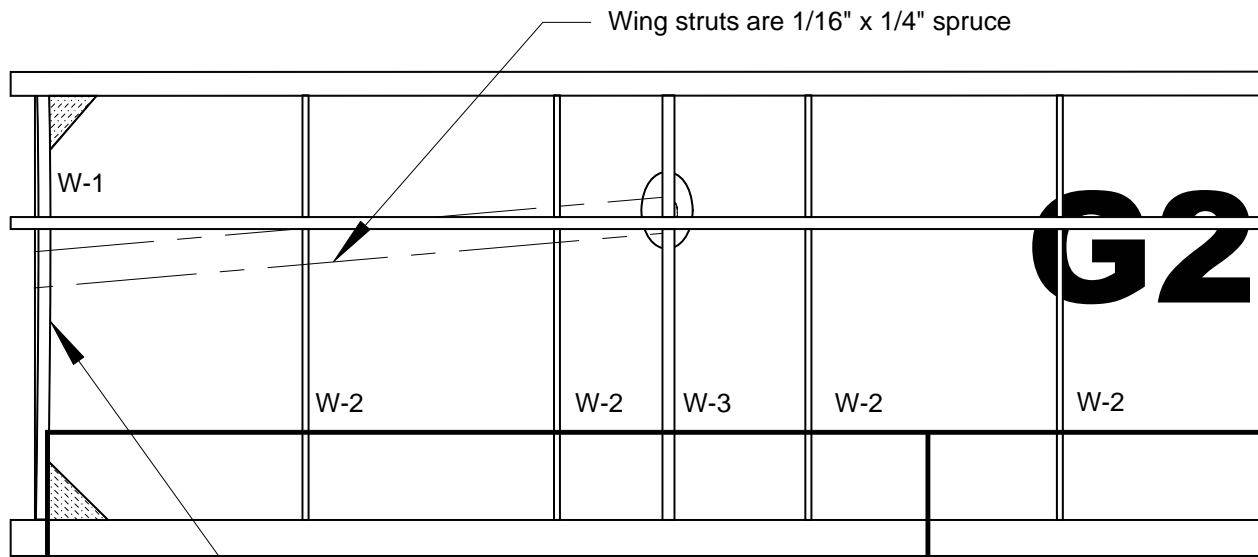
Sheet 2 of 5



0 1 Inches 2 3

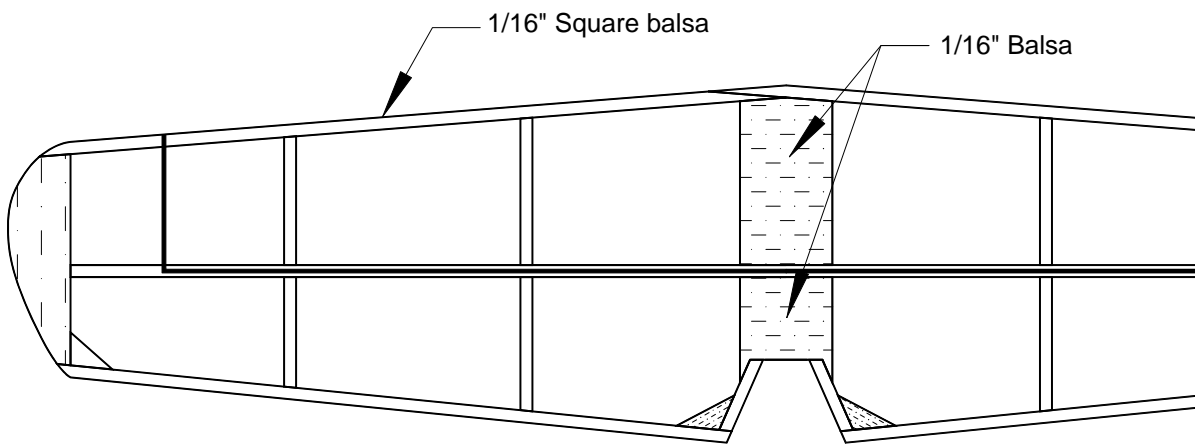
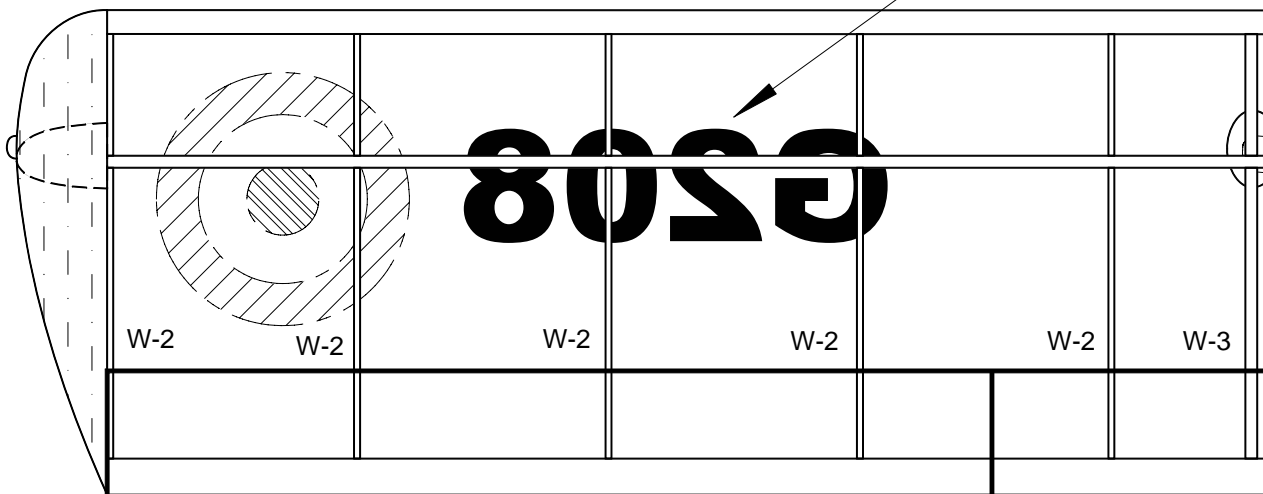


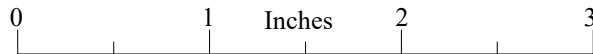
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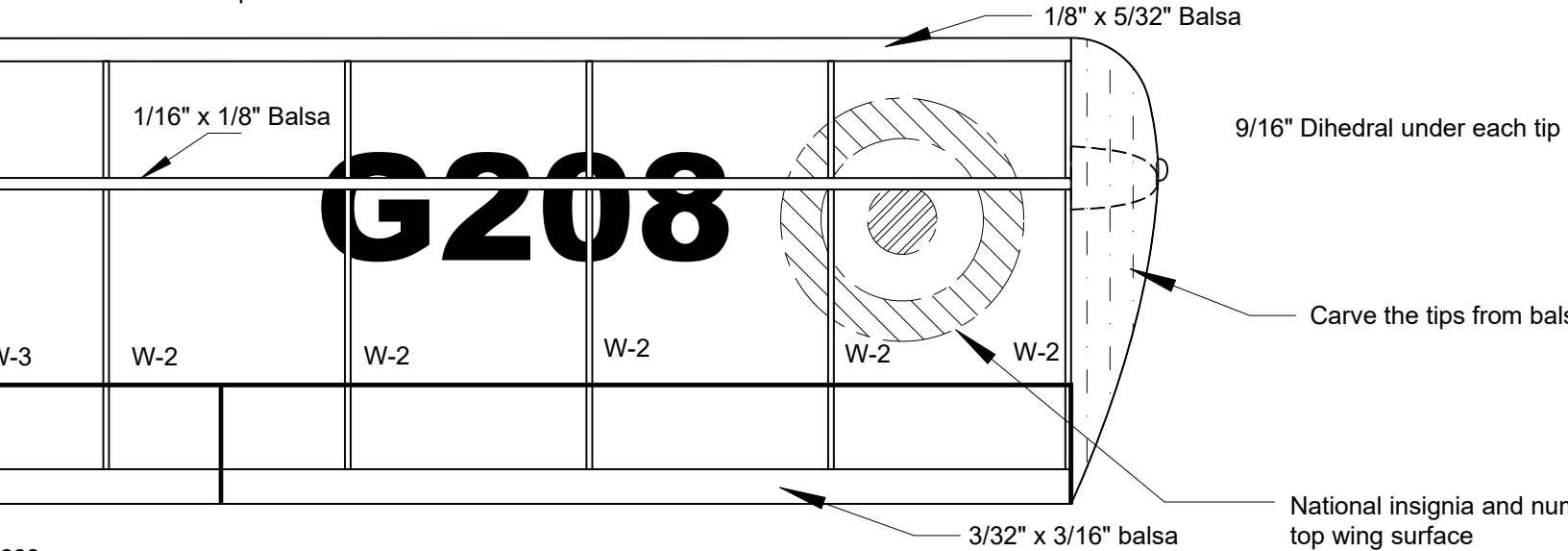
Note: Root rib is slanted 3 degrees to accomodate dihedral angle

National insignia on top and bottom are on the bottom

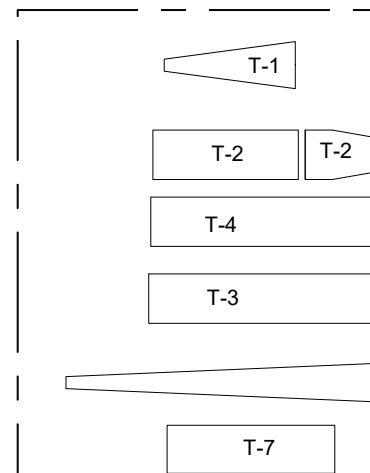
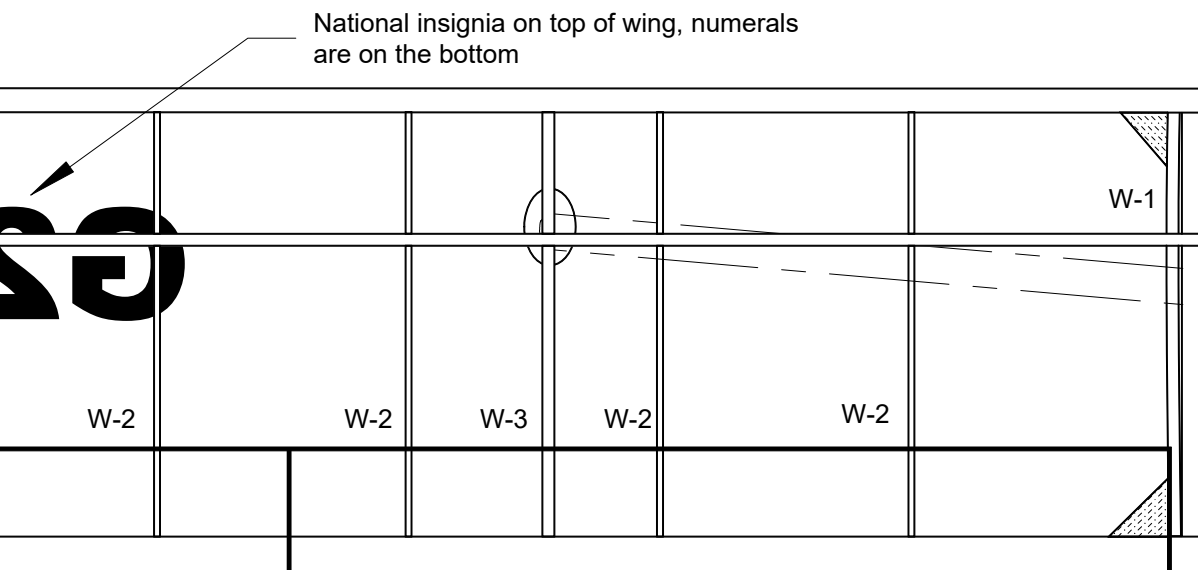




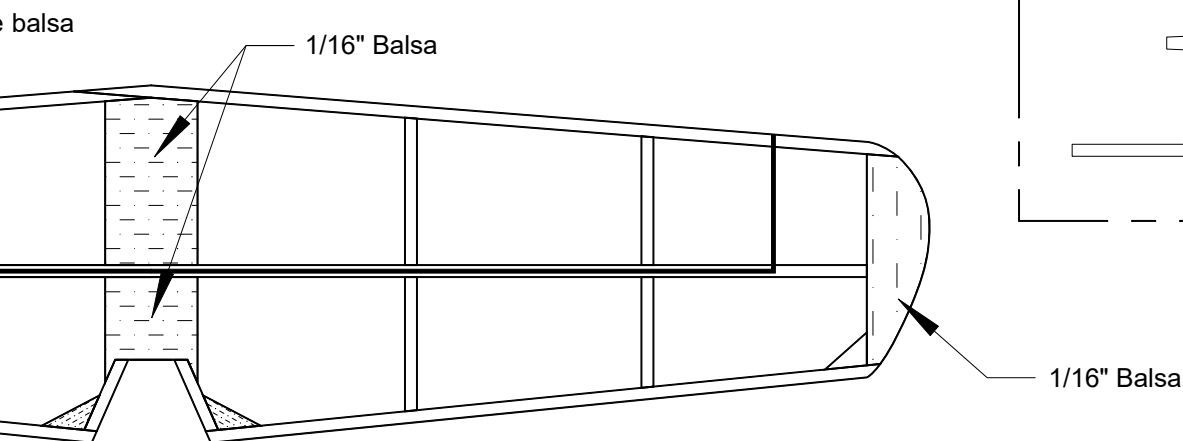
struts are 1/16" x 1/4" spruce



ees

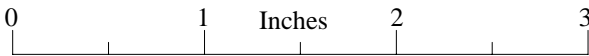


Make these parts from 1/16" balsa

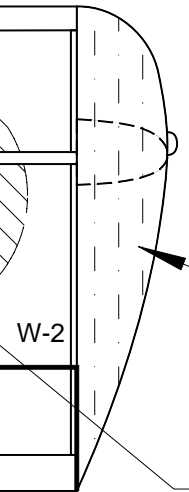


Wing strut mounting pad. Make from 1/16" balsa.





1/8" x 5/32" Balsa

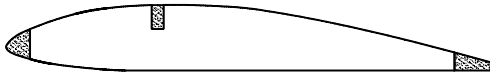


9/16" Dihedral under each tip

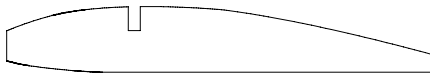
Carve the tips from balsa blocks

3/32" x 3/16" balsa

National insignia and numerals are on top wing surface



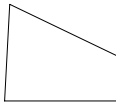
Wing cross section



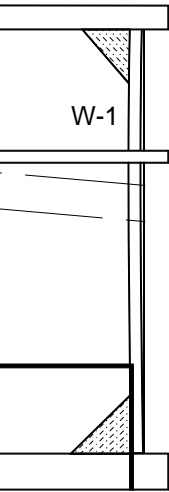
W-1 (2 1/16" balsa)
W-2 (14 1/32" balsa)



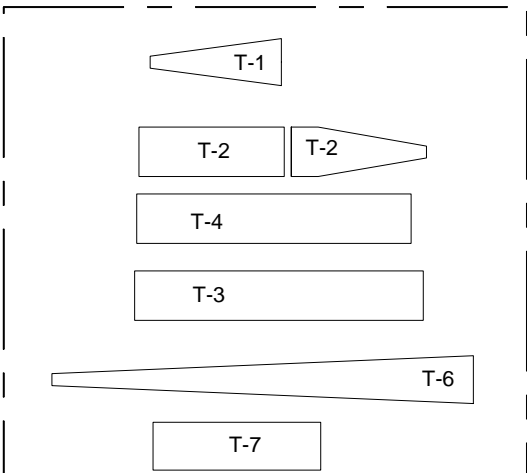
W-3 (2 1/16" balsa)



Wing root rib angle guide

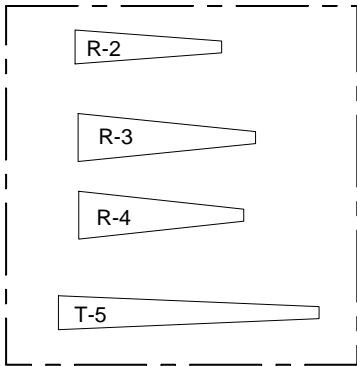


W-1



Make these parts from 1/16" balsa

Make this set of parts from 1/32" balsa



R-1



T-9

1/16" Balsa



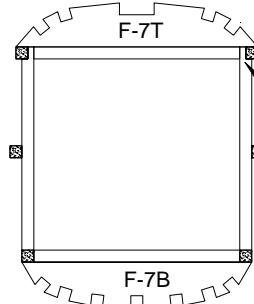
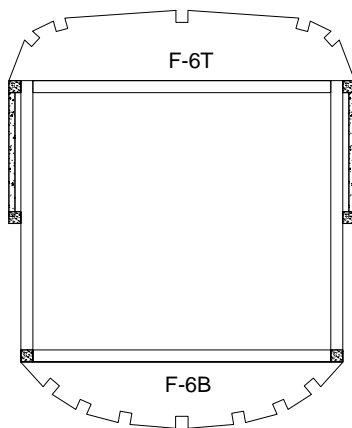
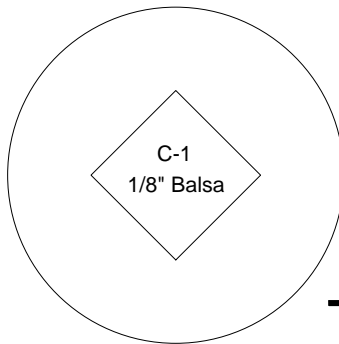
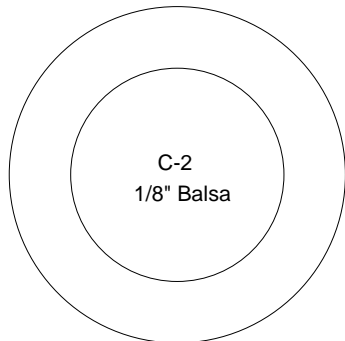
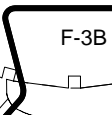
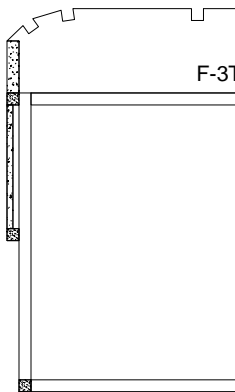
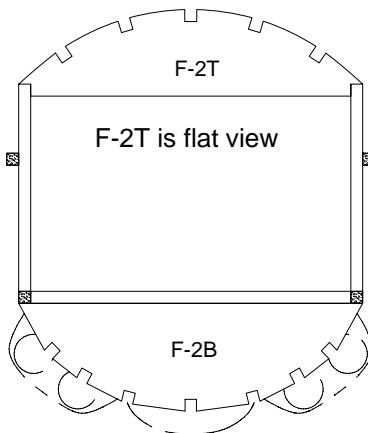
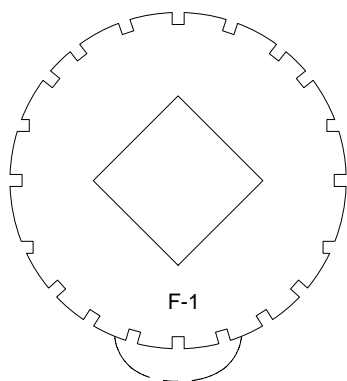
Wing strut mounting pad. Make two from 1/16" balsa.

DeHavilland Otter

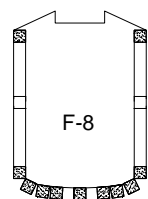
21.5" Span Rubber Power Scale Model
Original Desgin by Pres Bruning - Nov. '74
CAD Drawing by Paul Bradley - June 2010



0 1 2 3
Inches

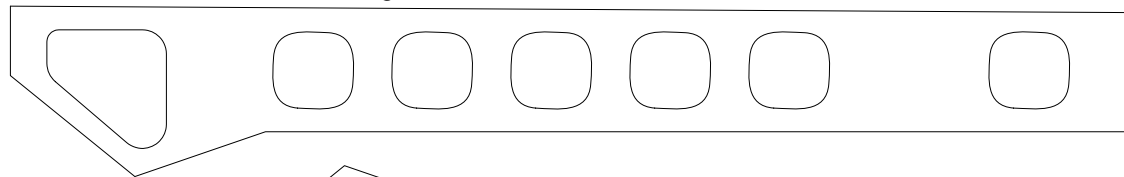


Note: Upright at station F
at the top to 1/2 it's depth

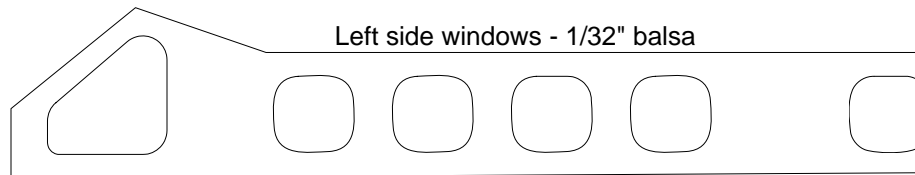


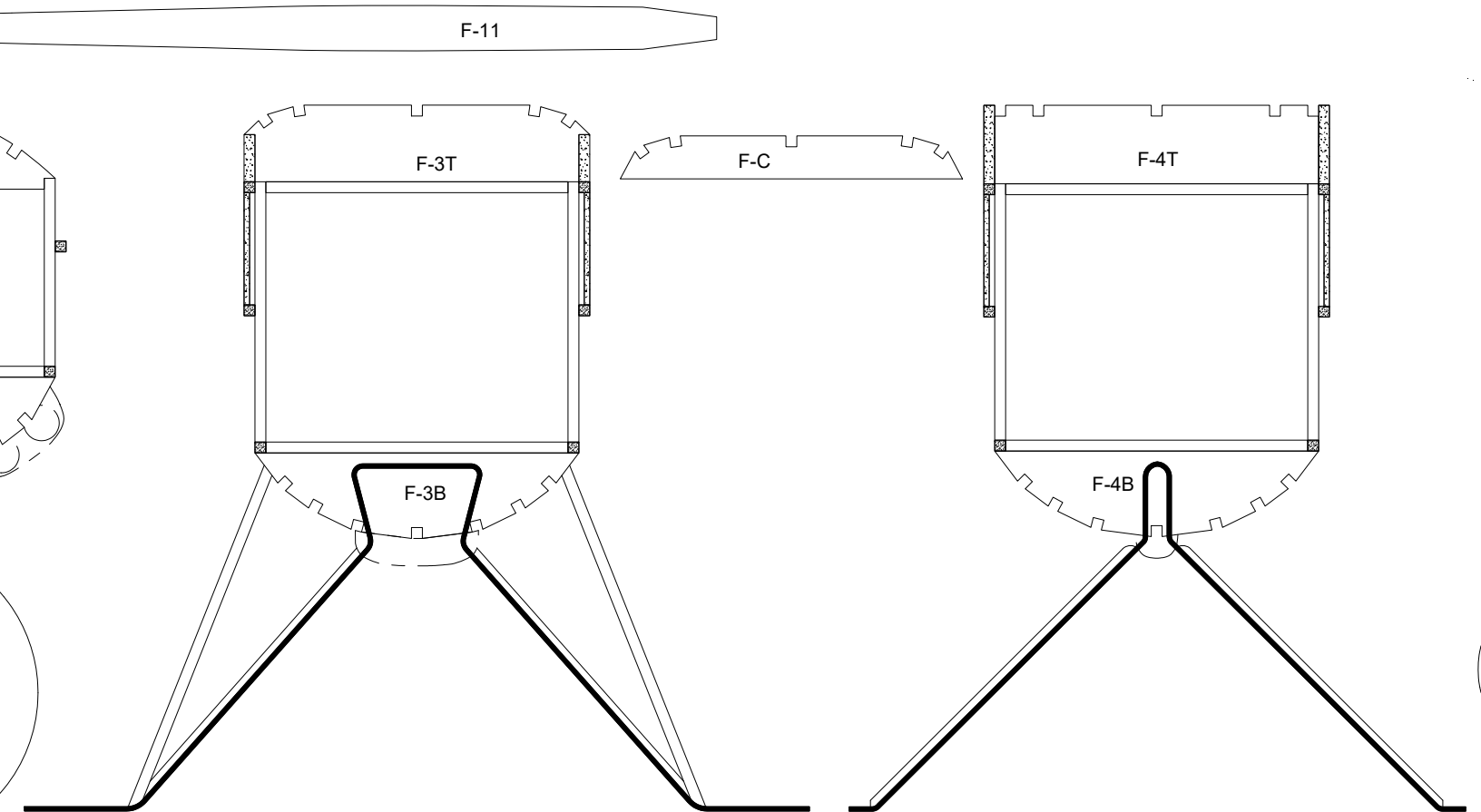
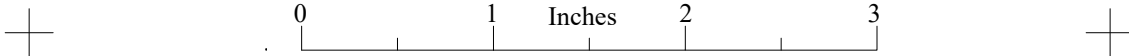
Motor peg
from 1/8"

Right side windows - 1/32" balsa

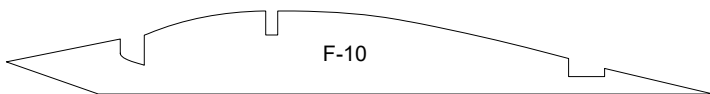
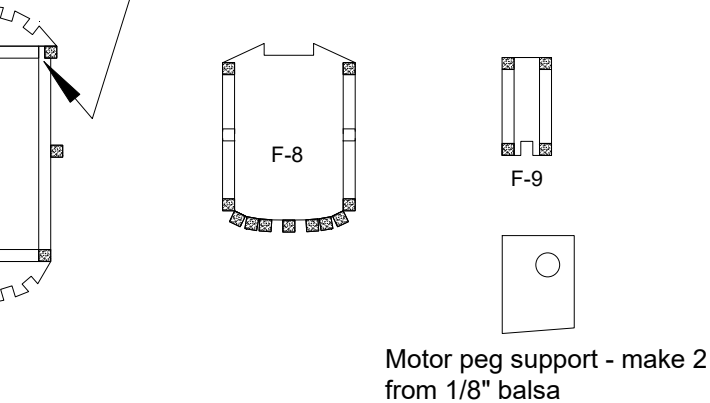


Left side windows - 1/32" balsa

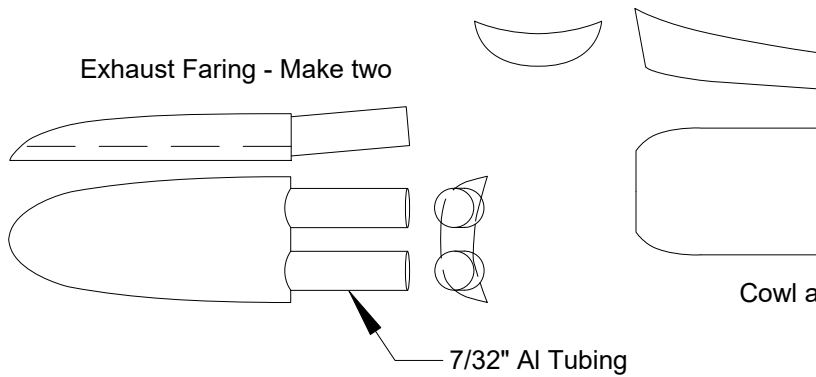
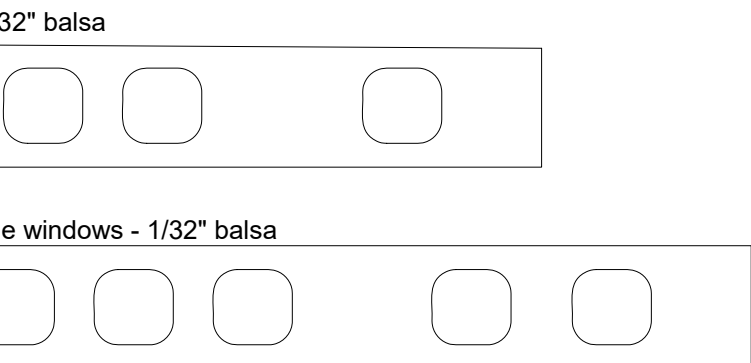
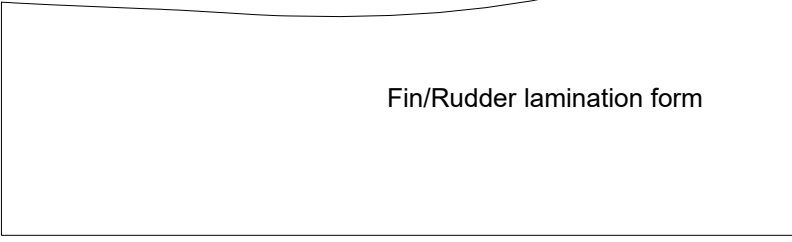


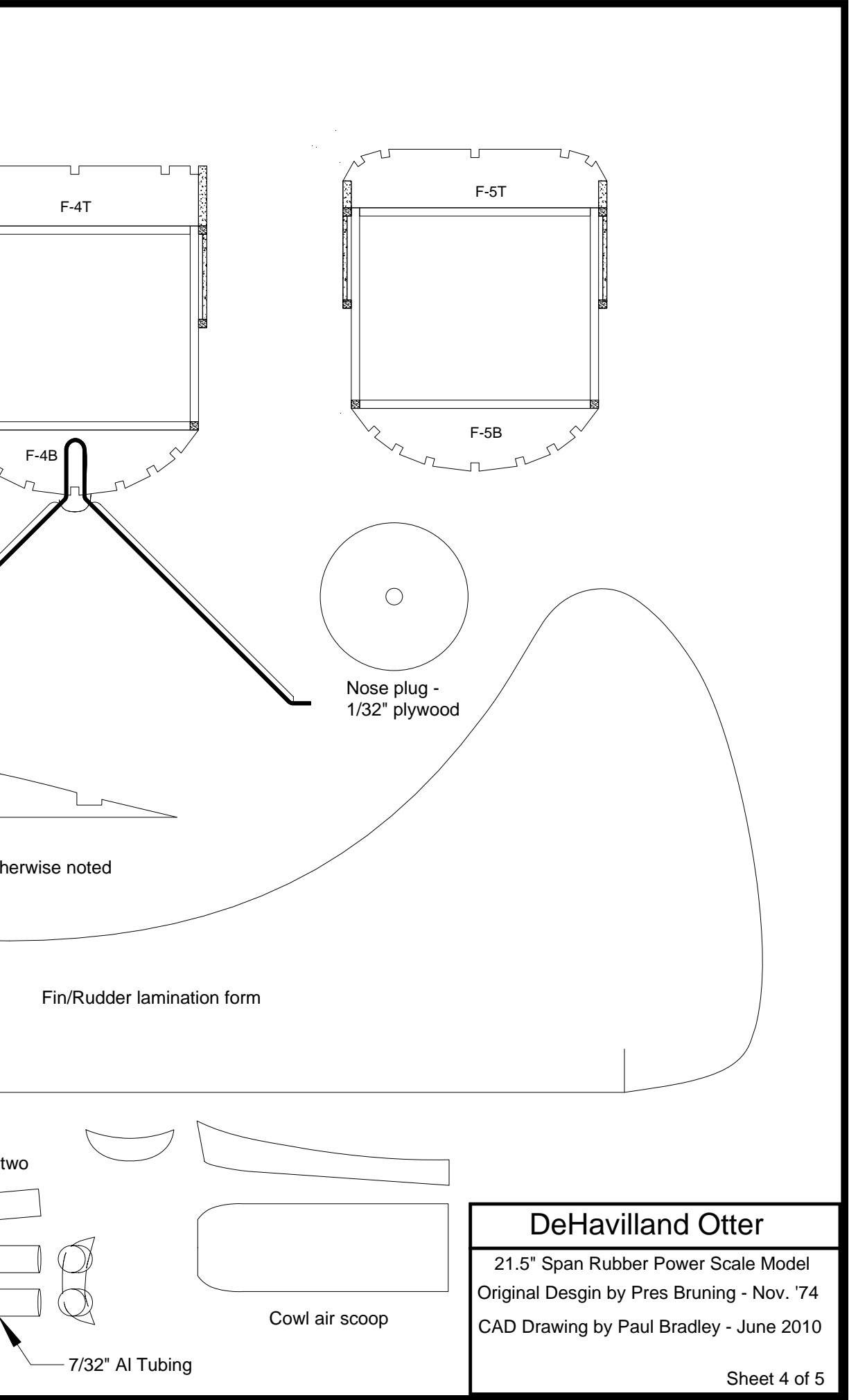
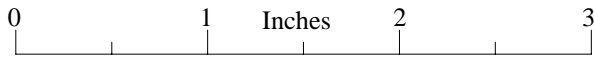


Note: Upright at station F-7 is notched at the top to 1/2 it's depth



All formers are 1/16" balsa unless otherwise noted

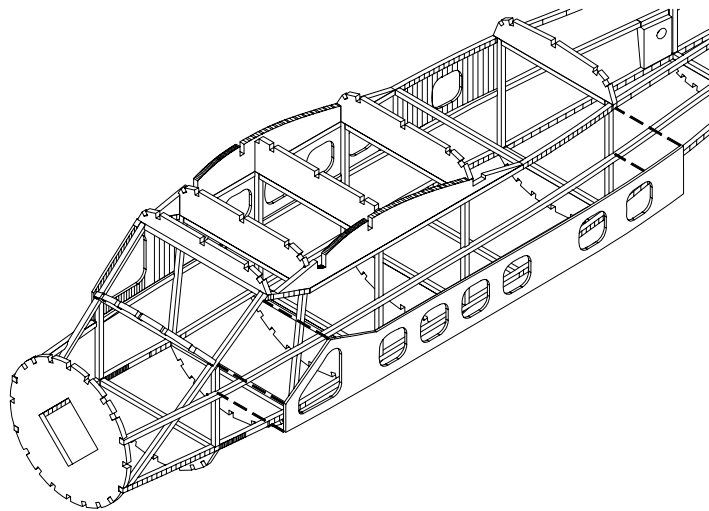




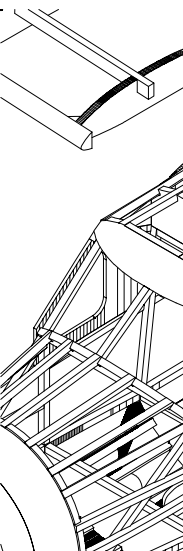
0 1 Inches 2 3



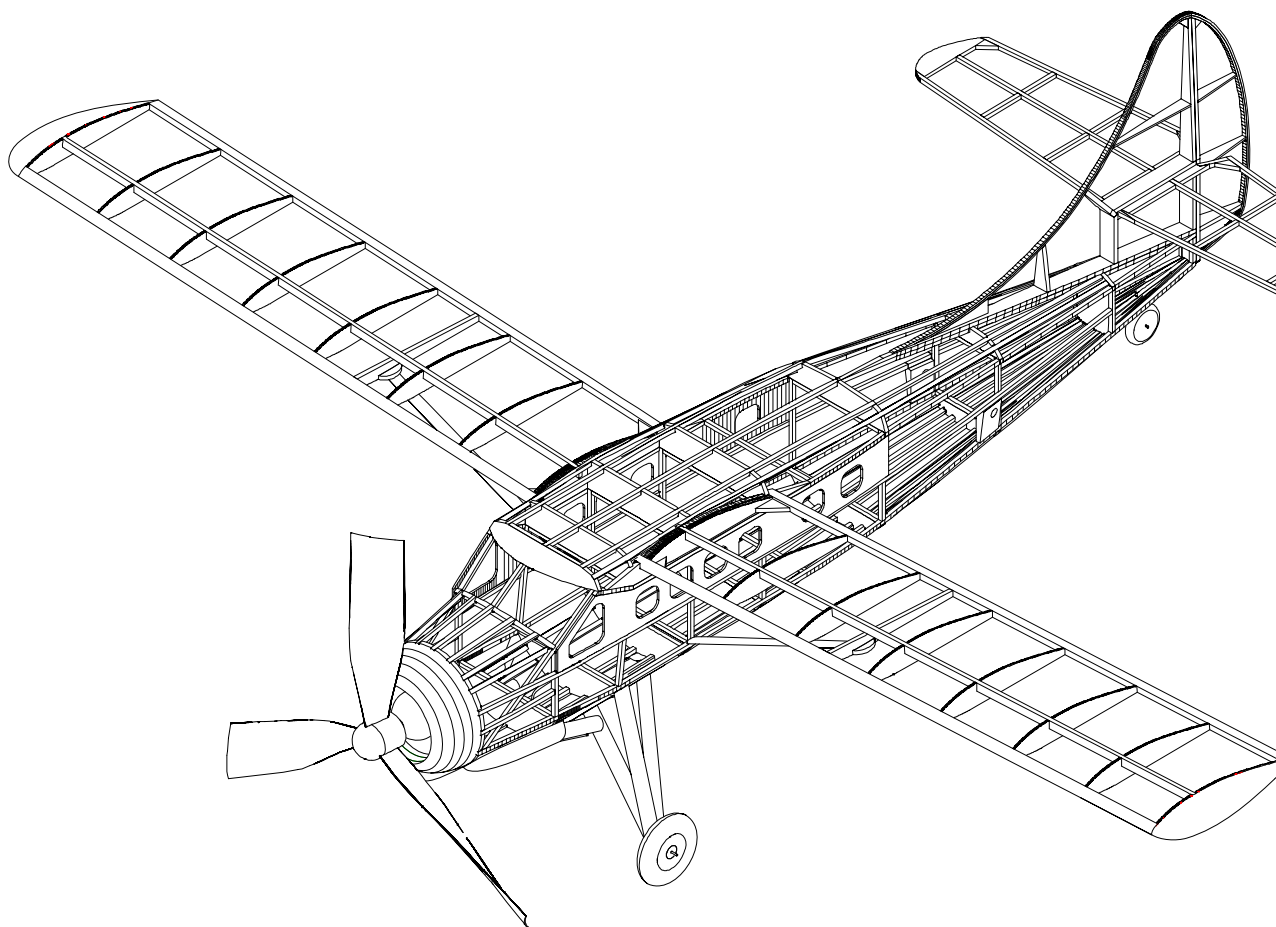
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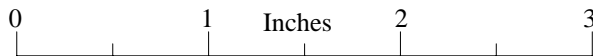


The side windows fit between the top and center longerons. Use 1/32" balsa shims between the window panels and the uprights.

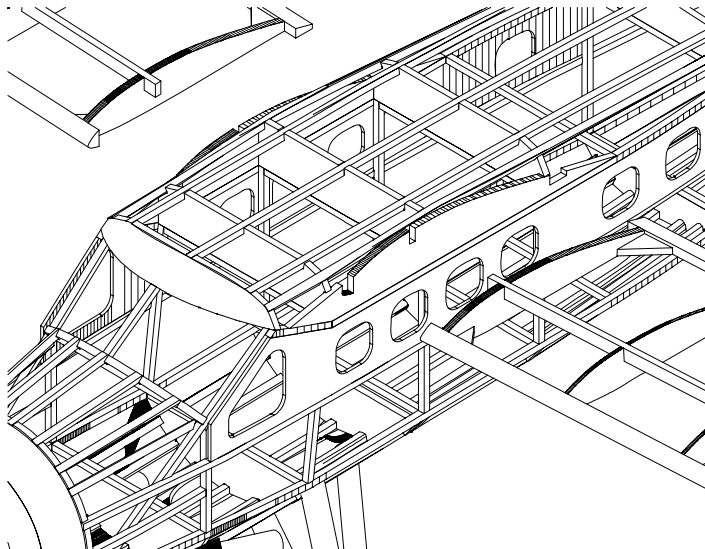
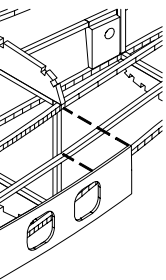


Wing halves are located by the edge, and spaced by the former F-10. For spruce wing s





Illustrations

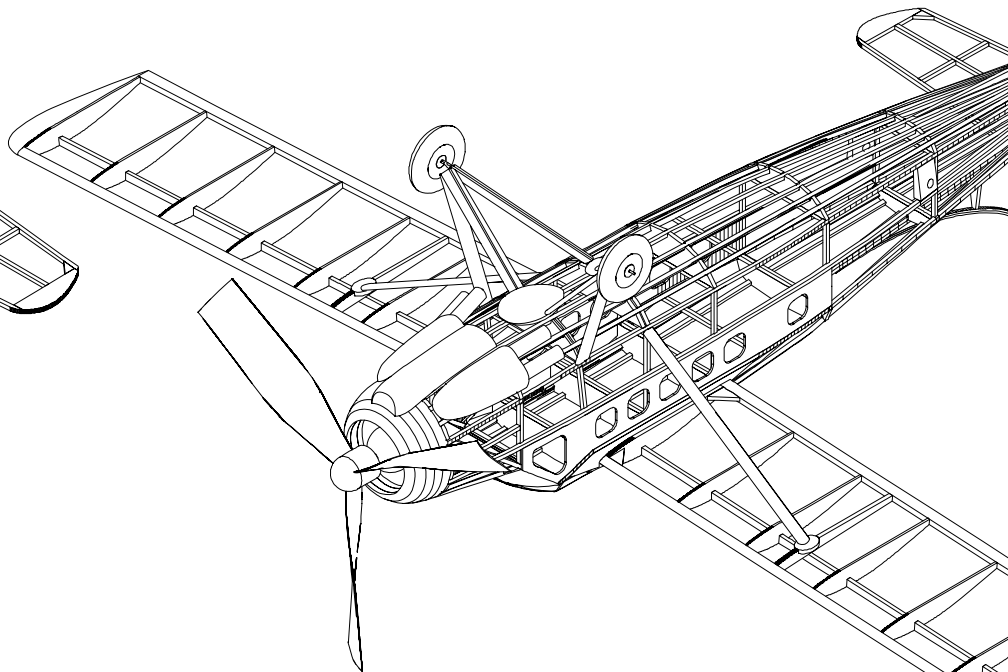
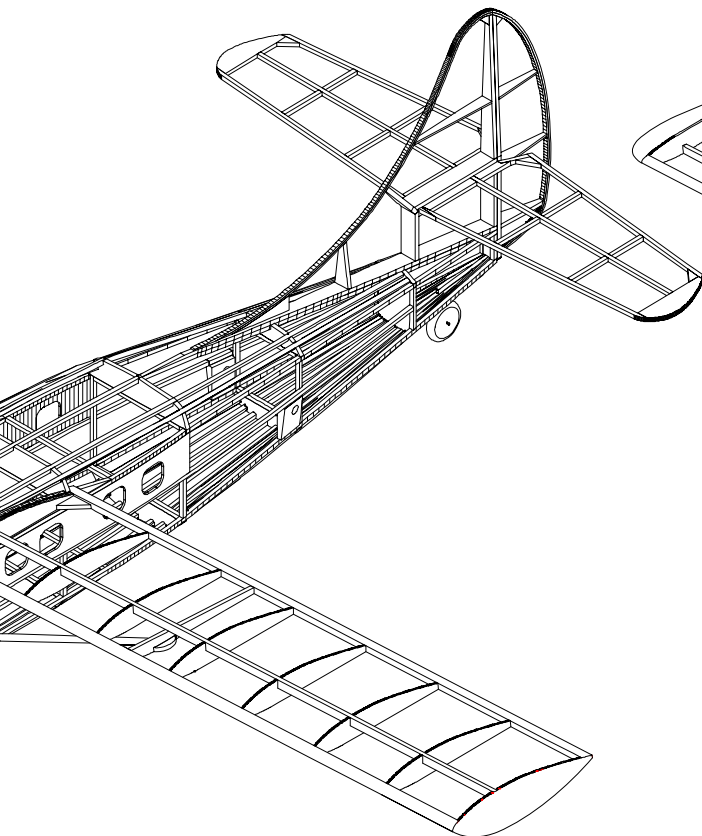


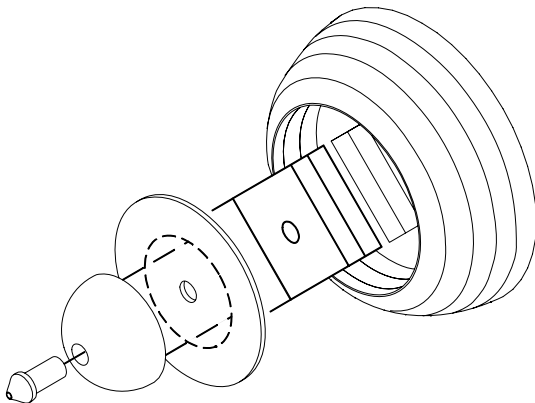
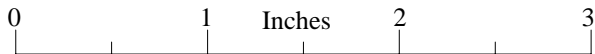
ns. Use
rights.

Wing halves are glued to the fuselage sides. They are located by the extensions of the leading edge, trailing edge, and spar that fit into the appropriate slots in fuselage former F-10. Flight loads are carried by the 1/16" x 1/4" spruce wing struts.



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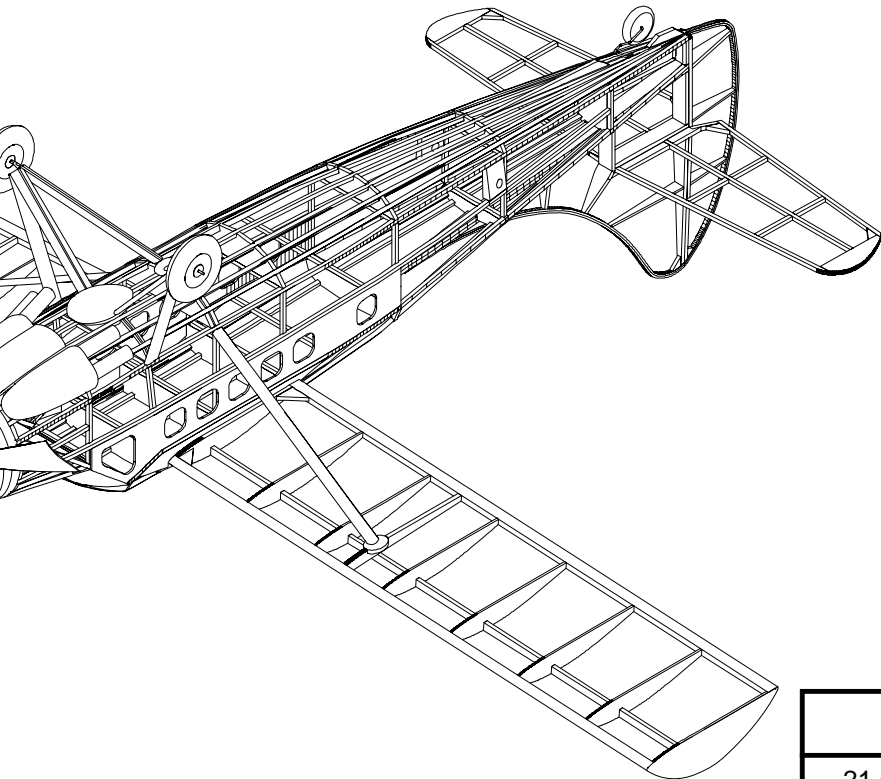




The removable nose plug is assembled from a 1/32" plywood disk that fits inside the opening in cowl parts C-2. It is retained in the nose by the square parts that are glued to the back of the disk and that fit inside the opening in cowl parts C-1 and fuselage former F-1. A spacer is needed on the forward face of the disk to provide prop clearance. The spacer is spherically shaped to simulate the front case of the radial engine used on the full scale aircraft. A Peck, or other suitable, bearing is used in the spacer.

When forming the nose ring do not fully cut out the square hole in parts C-1. Make cuts along each side but leave the corners un-cut. Laminate the parts making sure the square holes line up. Use a 2-56 bolt in the center hole to hold the laminations. Place the bolt in an electric drill and use the drill to turn the nose ring to shape. Once the nose ring is shaped cut out the square hole.

age



DeHavilland Otter

21.5" Span Rubber Power Scale Model
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CAD Drawing by Paul Bradley - June 2010

Sheet 5 of 5

