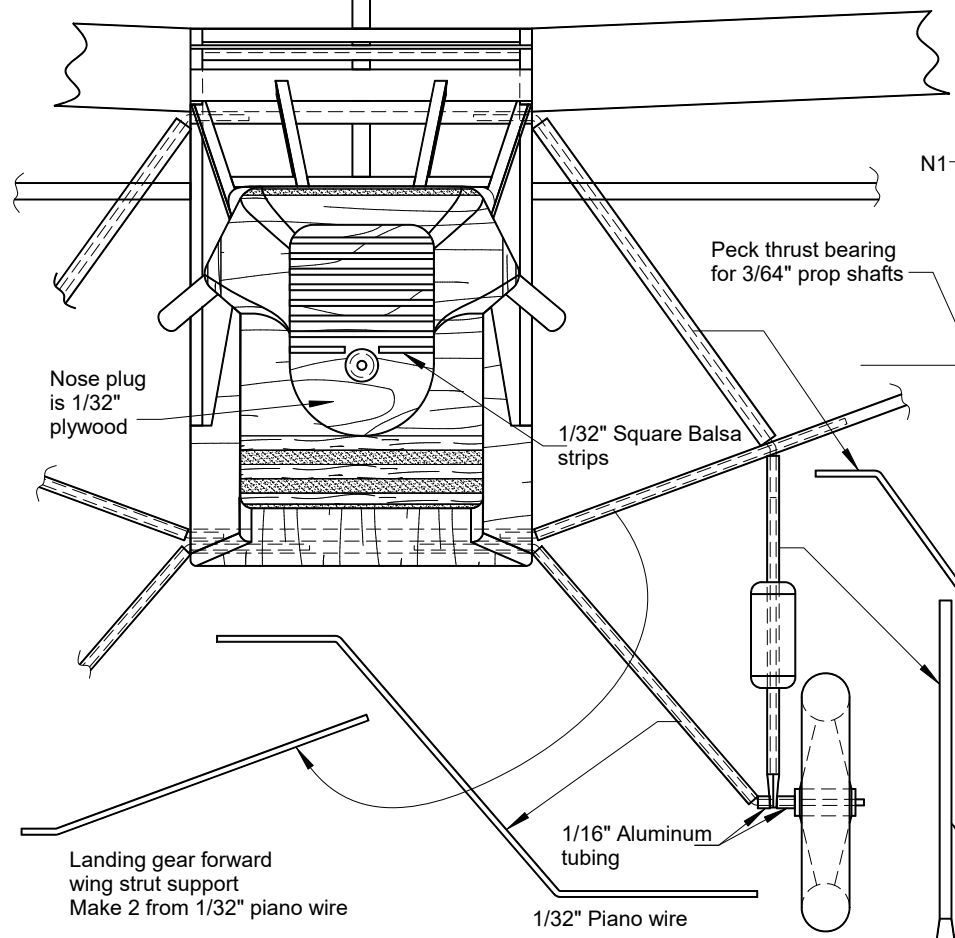


Make Exhaust Stacks from 1/8" balsa

The landing gear legs are covered with 1/16" x 1/8" balsa. Sand the balsa strip to a streamline cross section and cut a groove for the piano wire landing gear components.



Nose plug is 1/32" plywood

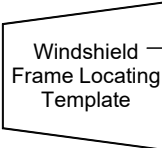
1/32" Square Balsa strips

Peck thrust bearing for 3/64" prop shafts

Landing gear forward wing strut support  
Make 2 from 1/32" piano wire

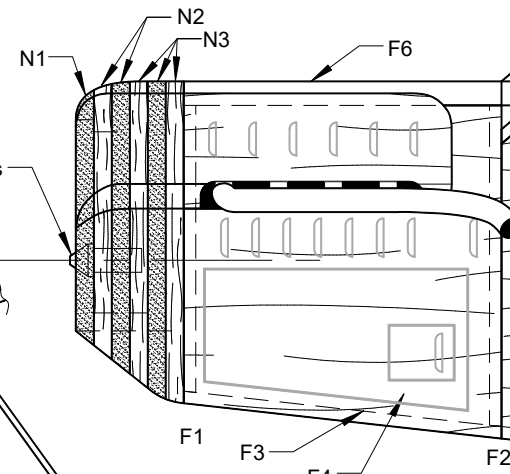
1/32" Piano wire

1/16" Aluminum tubing



Windshield Frame Locating Template

1/16" Square Balsa



N1

N2

N3

F6

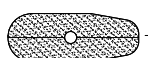
F1

F3

F4

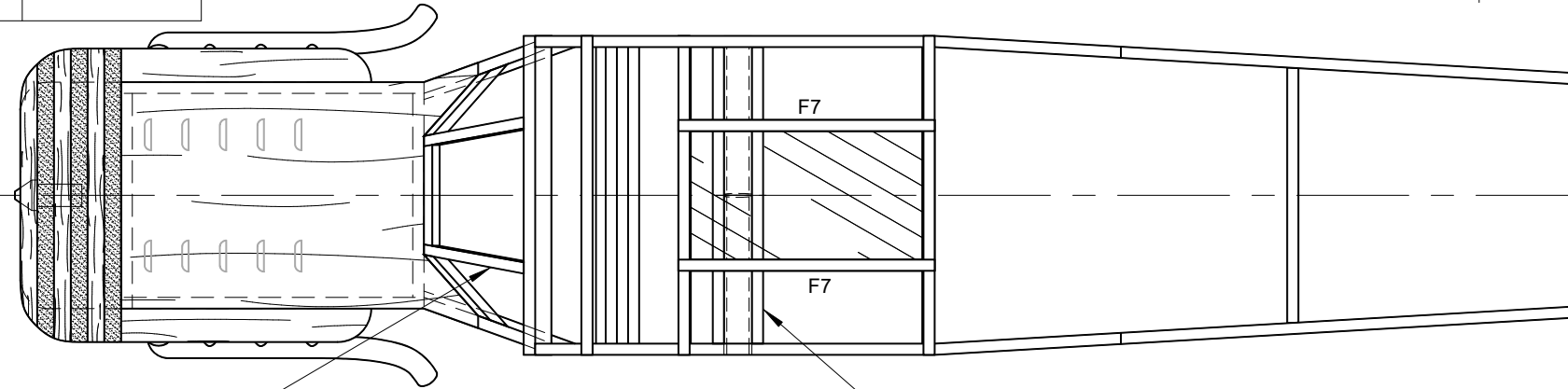
F2

F5



Make from 2 laminations of 1/8" balsa

Flatten 1/4" of the end and drill a 1/32" diameter hole



F7

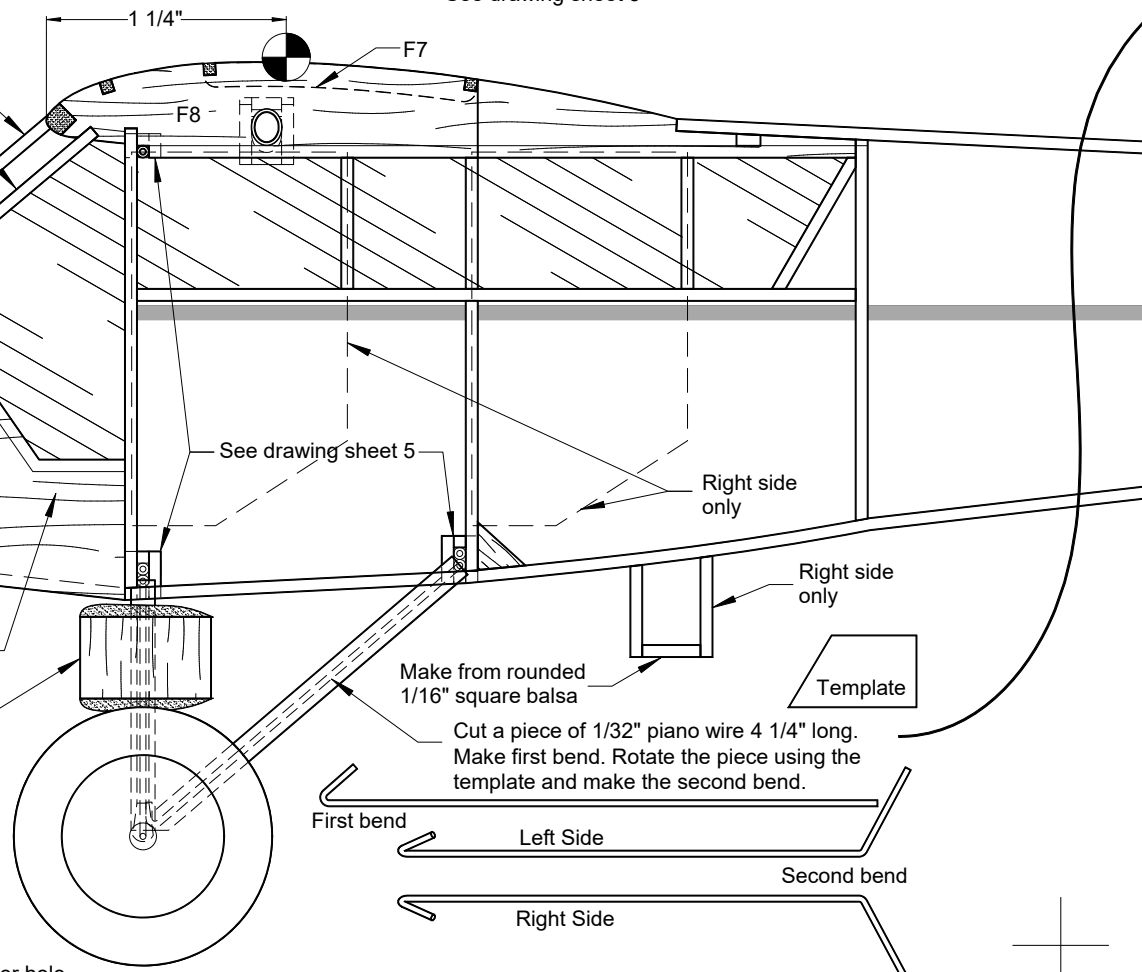
F7

See drawing sheet 5

1 1/4"

F7

F8



See drawing sheet 5

Right side only

Right side only

Make from rounded 1/16" square balsa

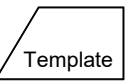
Cut a piece of 1/32" piano wire 4 1/4" long. Make first bend. Rotate the piece using the template and make the second bend.

First bend

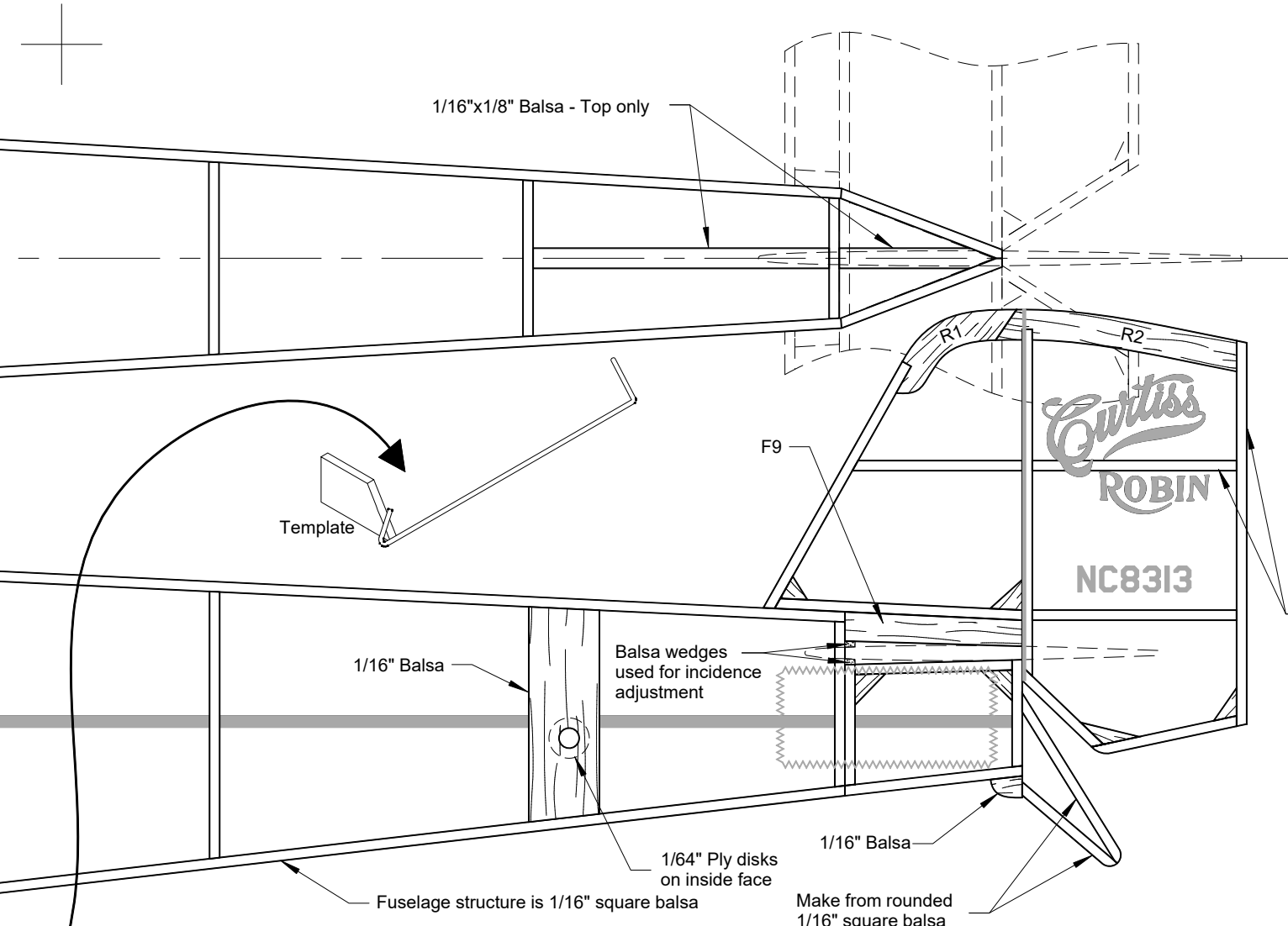
Left Side

Second bend

Right Side



Template



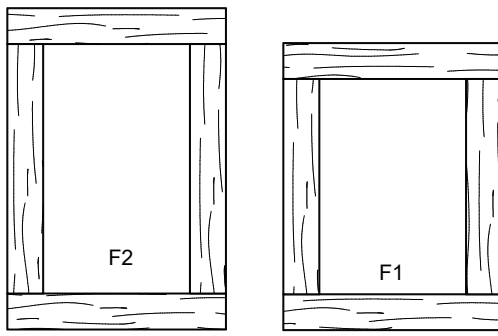
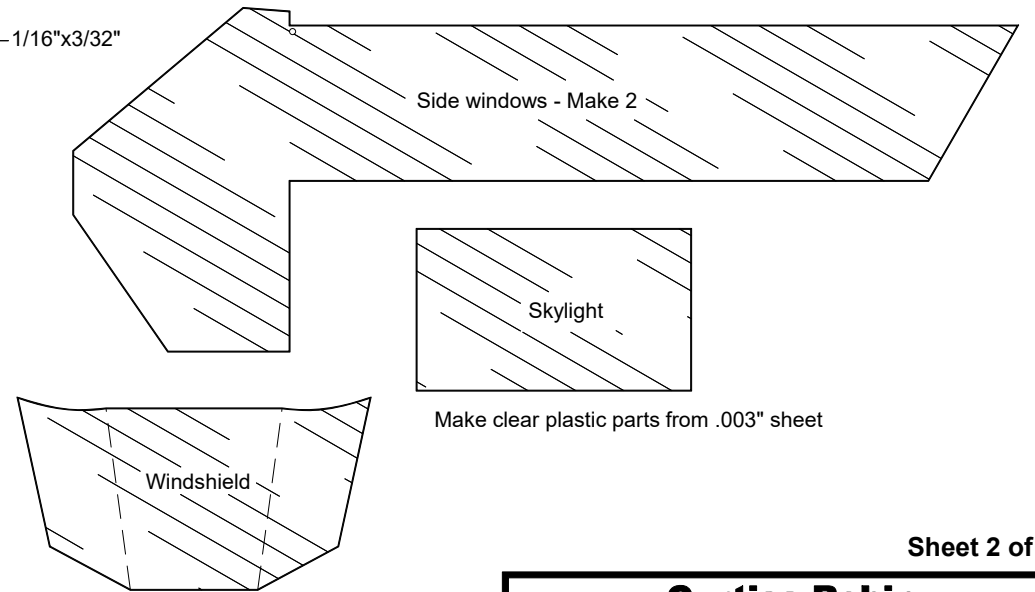
**Colors:**

Fuselage: burnt orange with white stripe edged in black

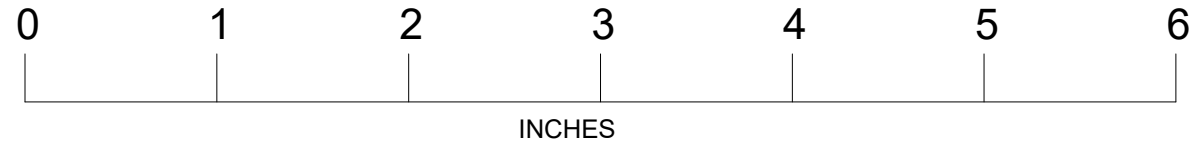
Wings, stab, fin: yellow with black registration numbers.  
Fin Curtiss logo is white with thin black edging.

Wing struts, landing gear legs, and tail skid; burnt orange

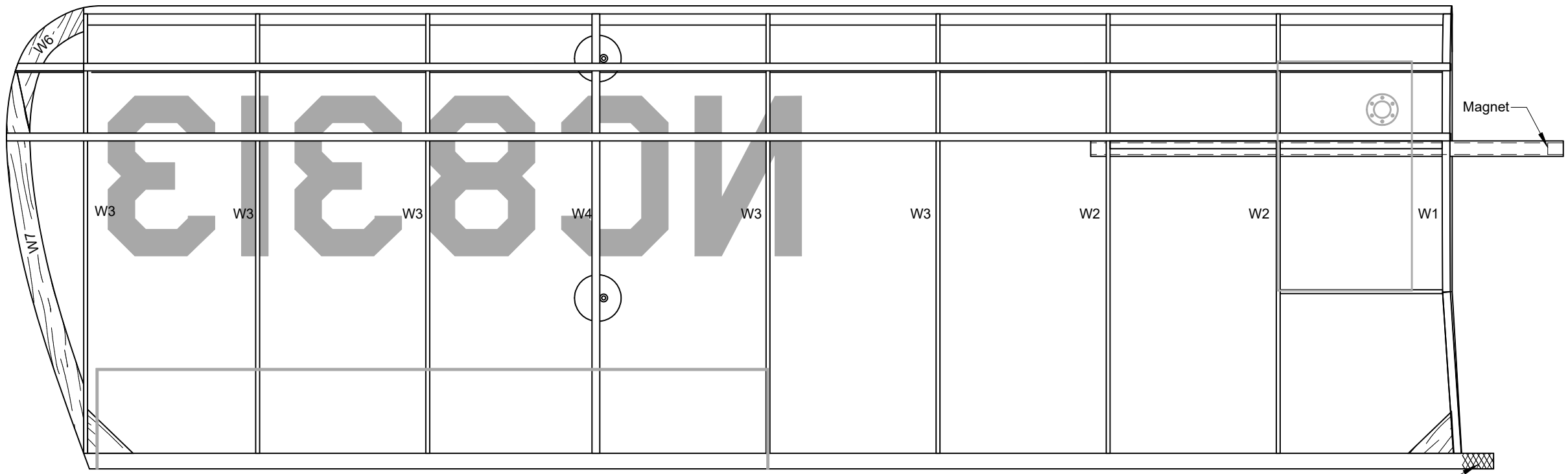
*Curtiss*  
**ROBIN**  
NC8313



Make from 1/16"x3/16" Balsa



<b>Curtiss Robin For FAC Golden Age</b>
<b>25" Wing Span</b>
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<b>August 2019</b>



1/2" Dihedral under each wing tip

Do not sand this area

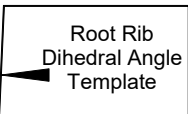
Main Spar - Make 2 from 1/16"x3/16" balsa

All strut joiners are 1/32" piano wire

Fuselage ends

Rear wing strut - Make 2 from 1/16"x1/8" balsa

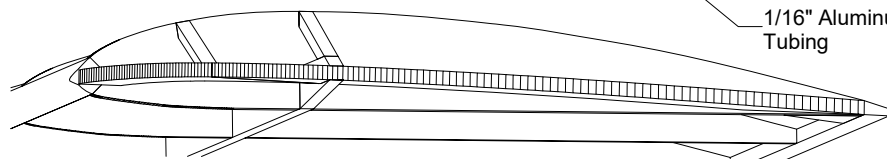
Wing ends



Strut cross section

1/16" Aluminum Tubing

Forward wing strut - Make 2 from 1/16"x1/8" balsa

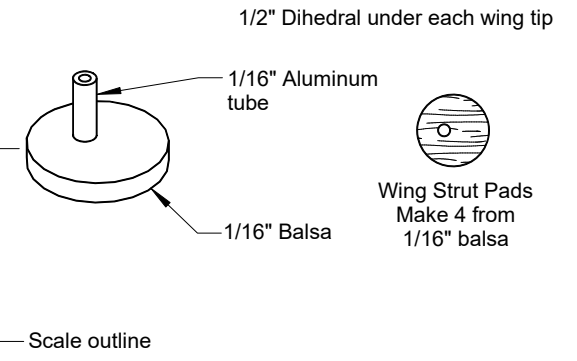
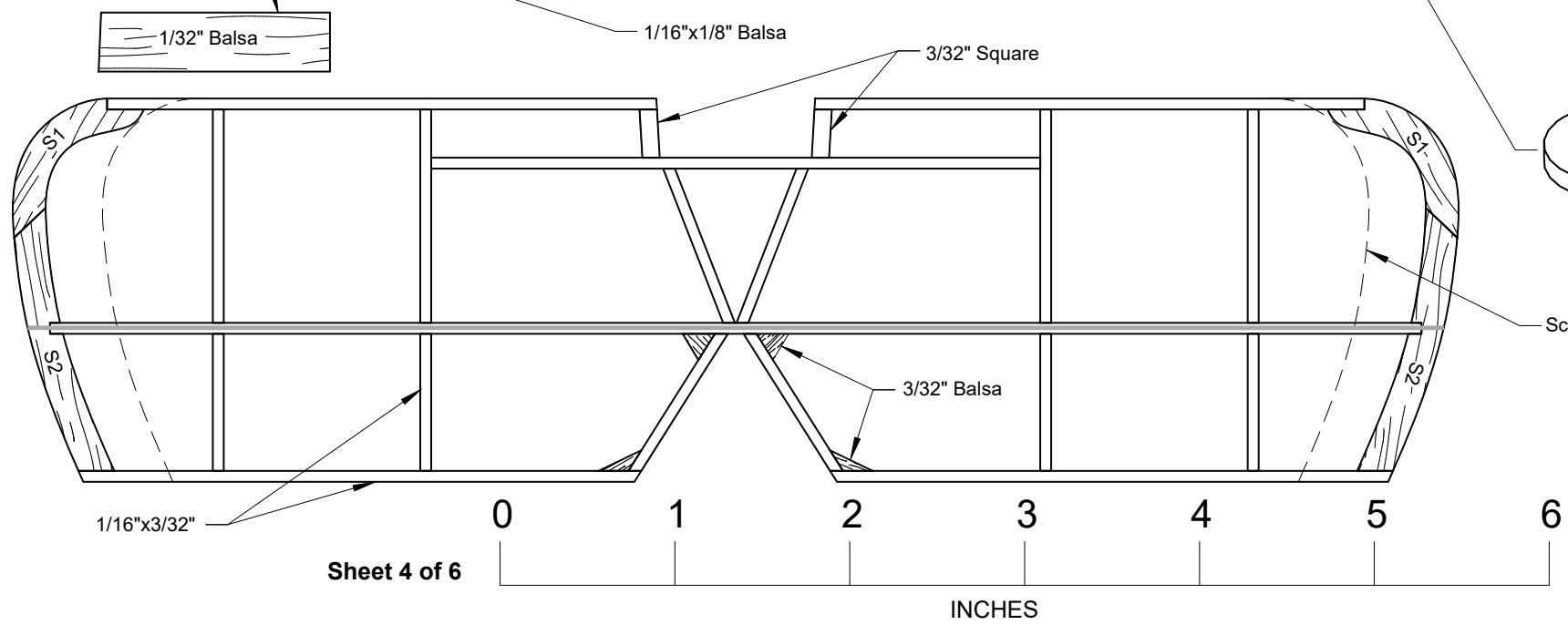
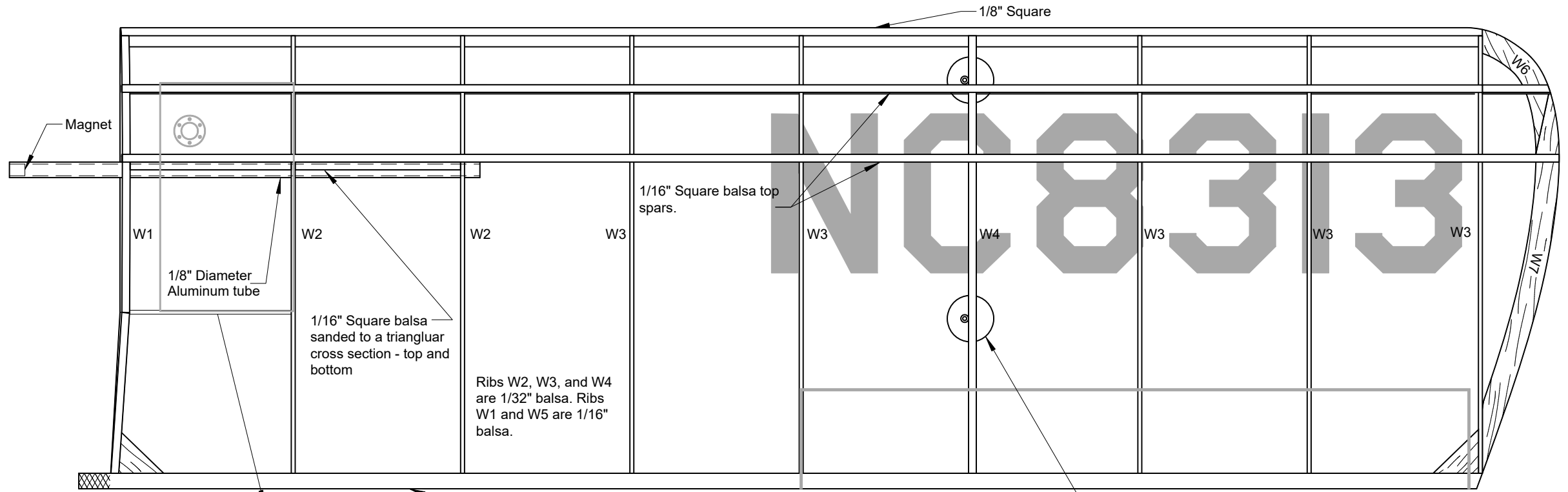


0 1 2 3 4 5 6

INCHES

Sheet 3 of 6

<b>Curtiss Robin For FAC Golden Age</b>
<b>25" Wing Span</b>
<b>Designed by Paul Bradley</b>
<b>August 2019</b>

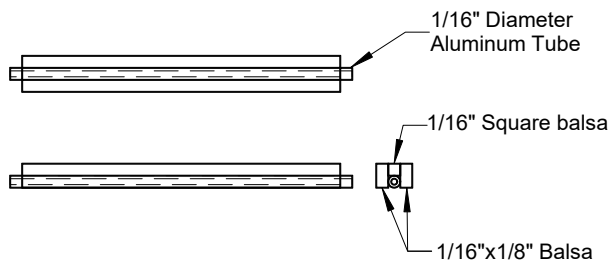


**Curtiss Robin  
For  
FAC Golden Age**

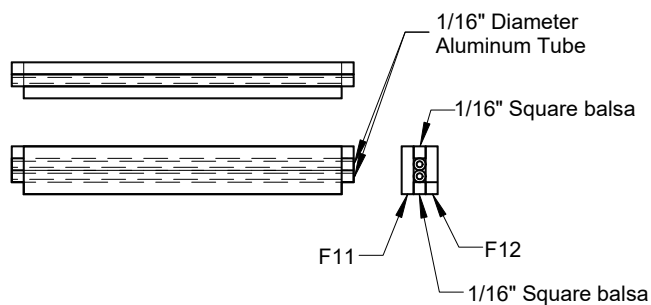
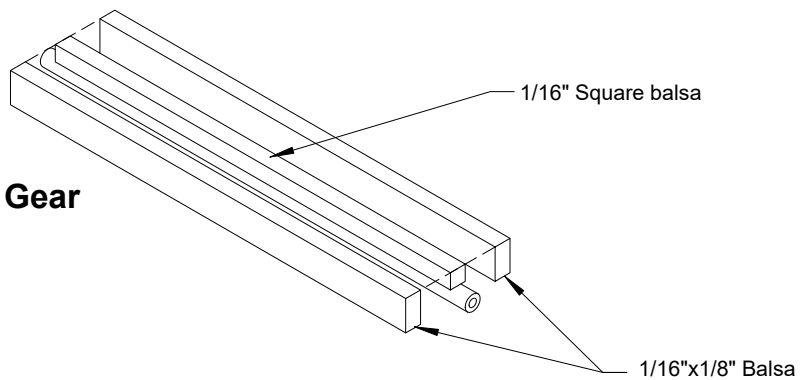
**25" Wing Span**

**Designed by Paul Bradley**

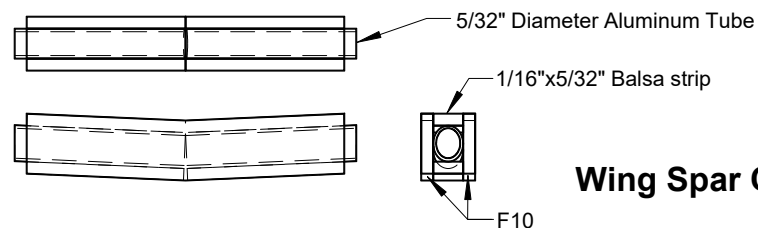
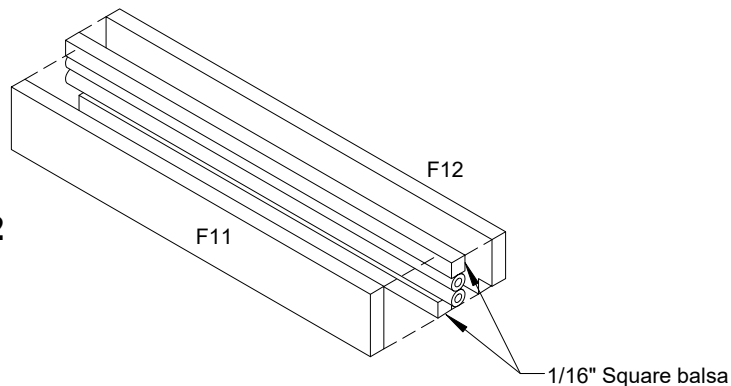
**August 2019**



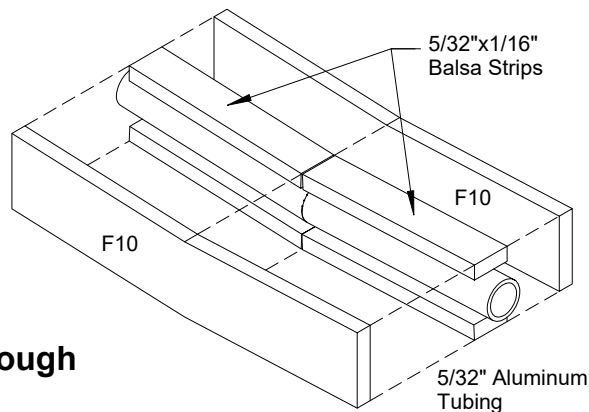
### Top Landing Gear Strut Mount



### Landing Gear and Wing Strut Mounts - Make 2



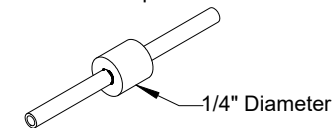
### Wing Spar Carry Through



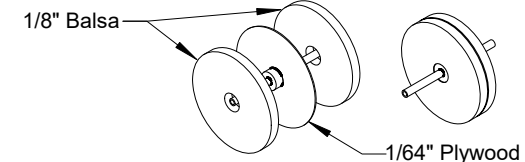
### Balsa Wheel Assembly

1. Drill a 3/32" hole through two 1/4" lengths of 3/8" dowel.

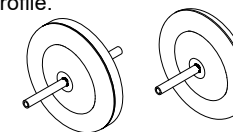
2. Glue a 1 1/2" length of 3/32" aluminum tubing in the dowel hole with the dowel centered on the tubing. For each assembly place one end of the aluminum tubing in an electric drill or drill press and turn the dowel diameter down to 1/4".



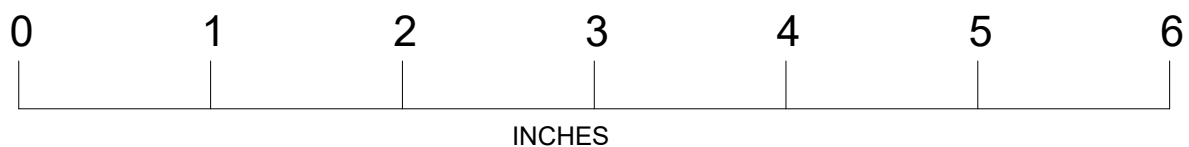
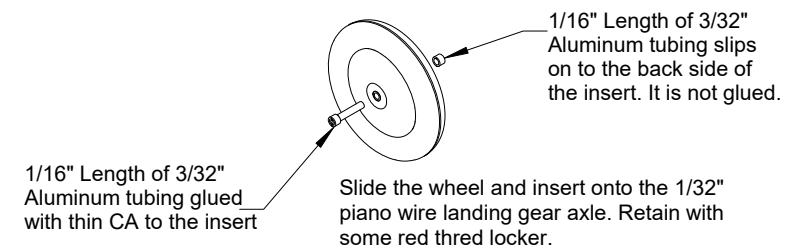
3. Glue two 1/8" thick balsa disks and one 1/64" plywood disk together centered on the dowel.



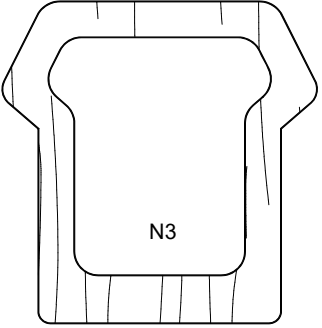
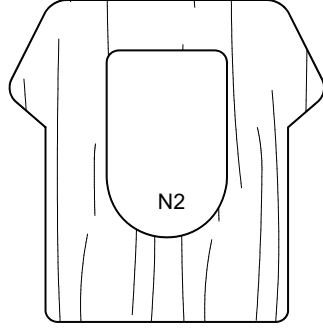
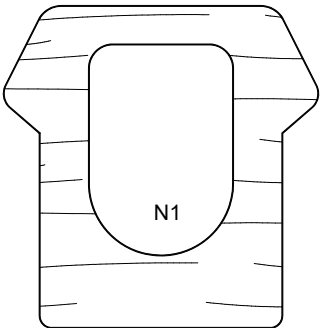
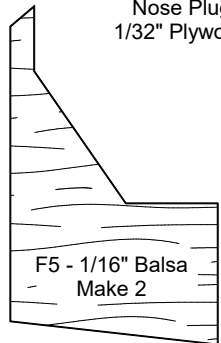
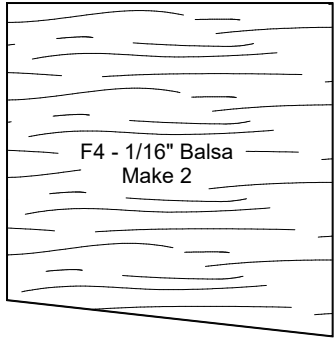
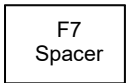
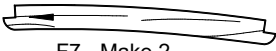
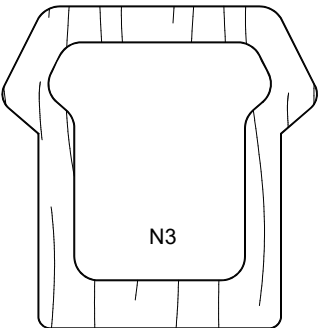
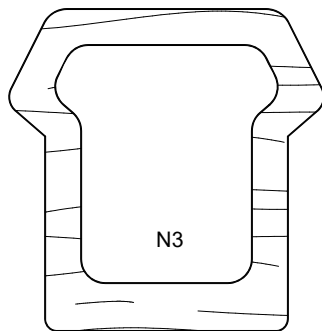
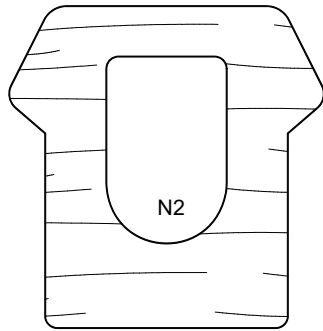
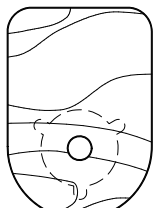
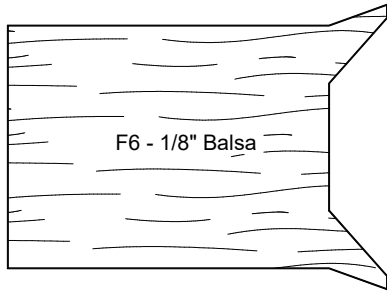
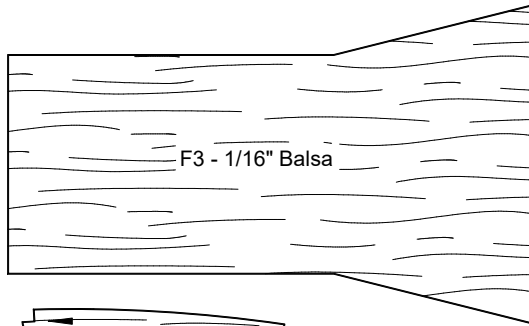
4. Place one end of the aluminum tube in each assembly in an electric drill or drill press and turn one side to the wheel profile shown on the plan. When finished with the first side, flip the assembly and turn the second side to the wheel profile.



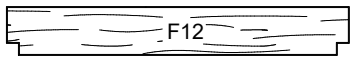
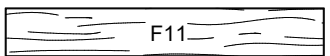
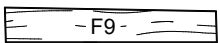
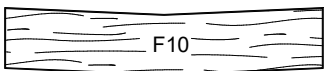
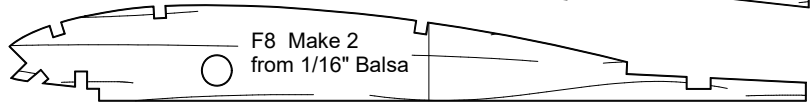
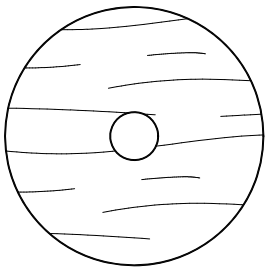
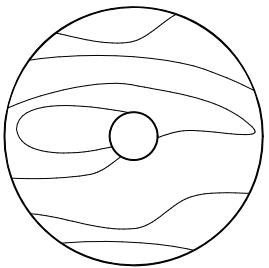
5. After shaping both sides of the wheel, cut off the 3/32" tubing flush with the dowel hub. Make up an axle insert from a 3/8" length of 1/16" aluminum tubing as shown below.



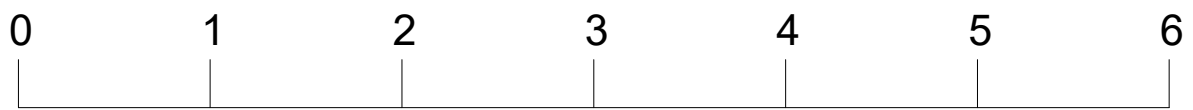
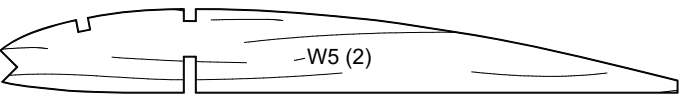
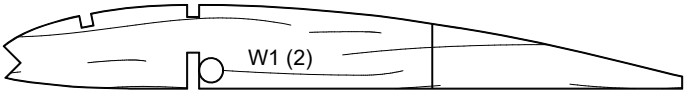
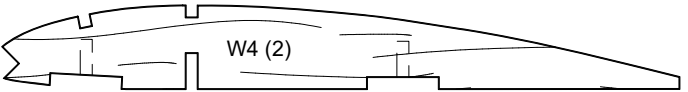
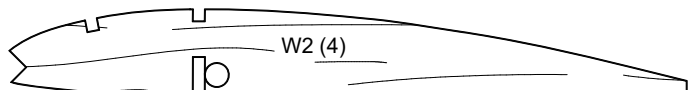
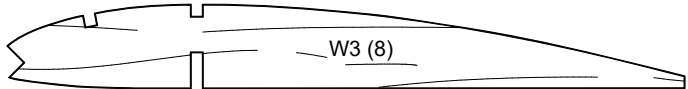
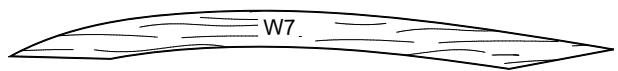
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Nose Block Laminations - 3/32" Balsa



Make 2 each from 1/16" Balsa



INCHES

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