

3/16 Wing
Hold-Down
Dowel

Soft Balsa or Blue foam
Block to Contour Wing
Root into the Fuselage

Wing LE
Fairing

F1

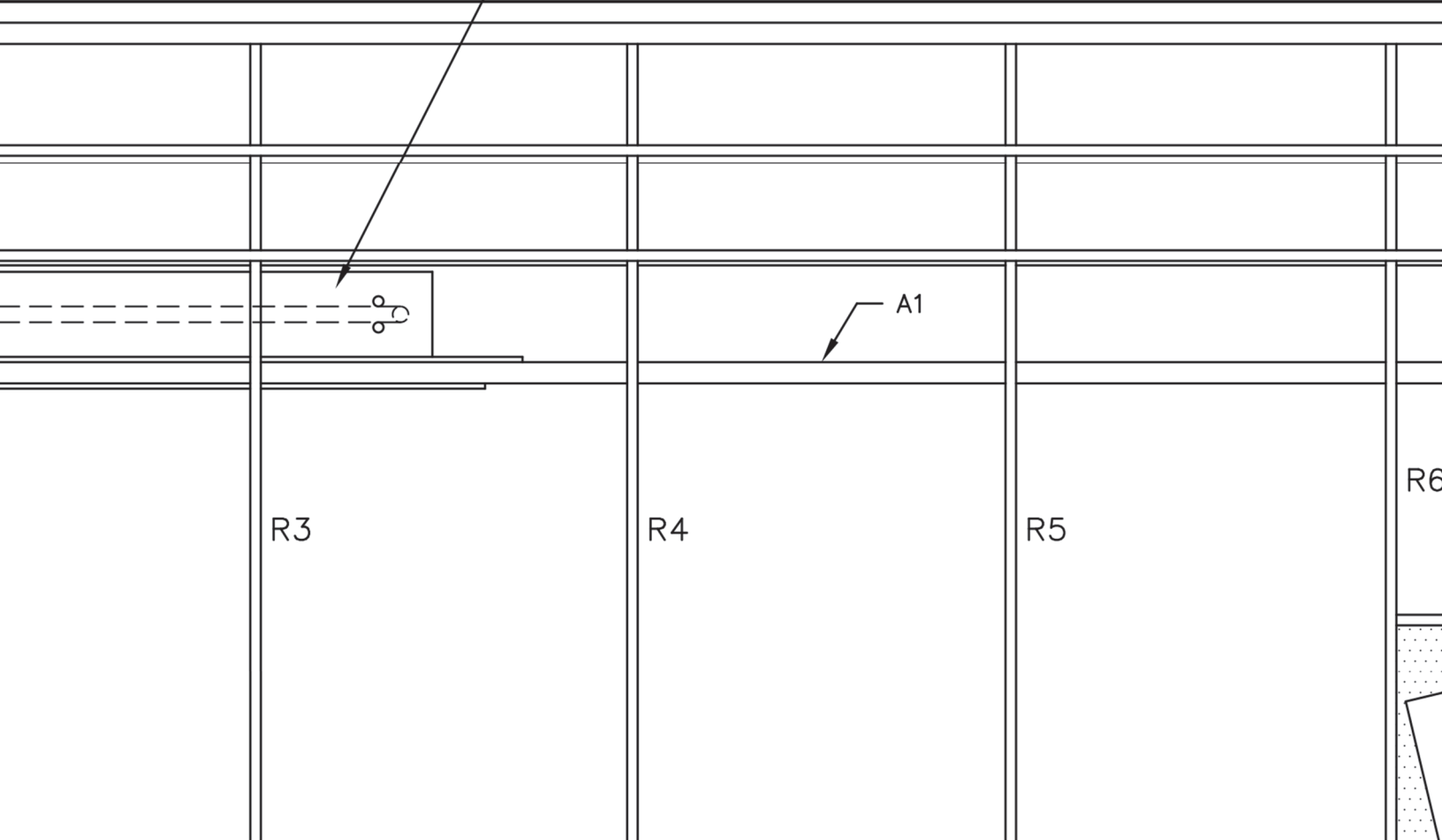
DBF

R1

R2

F2

Landing Gear Mount
See Detail Drawing

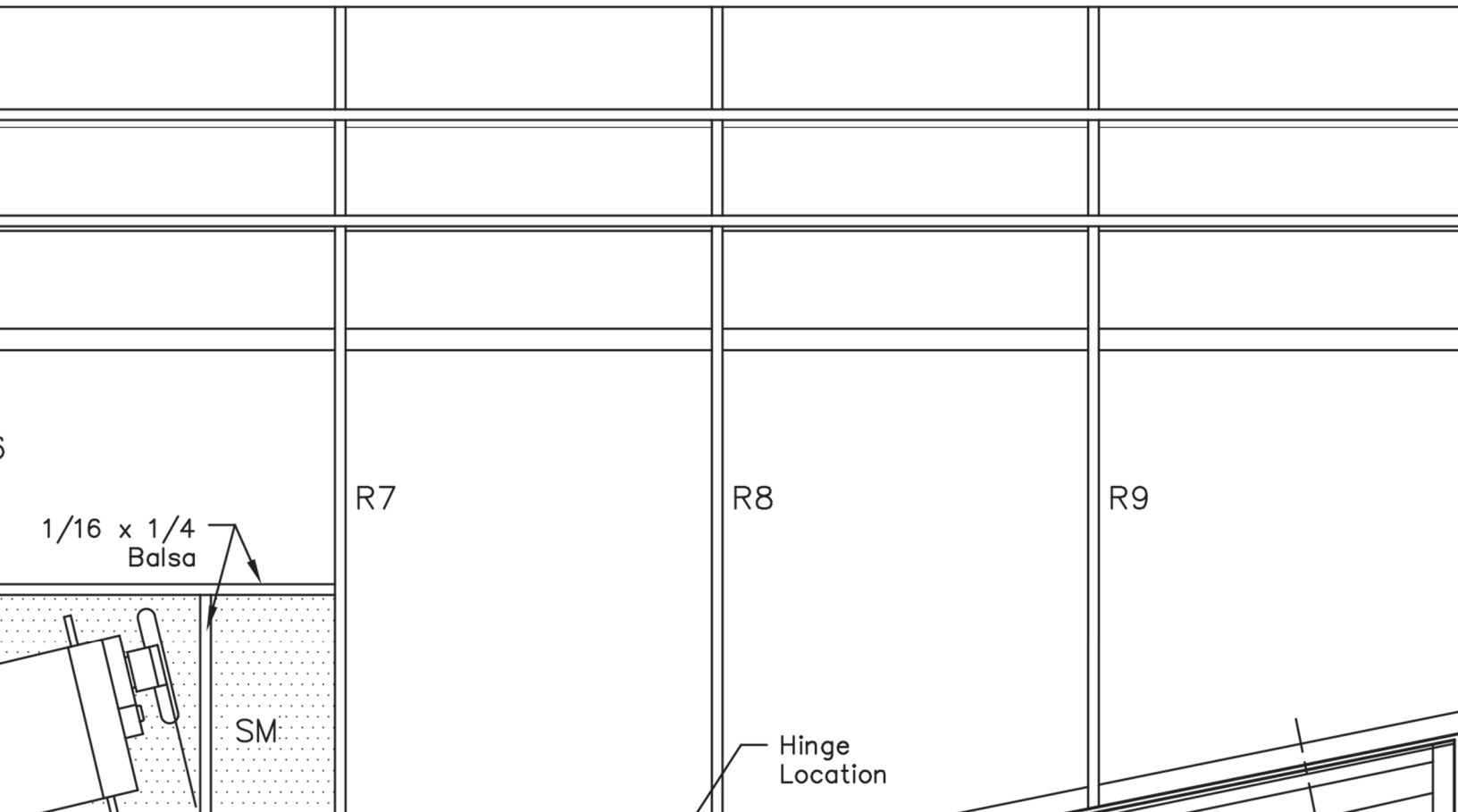
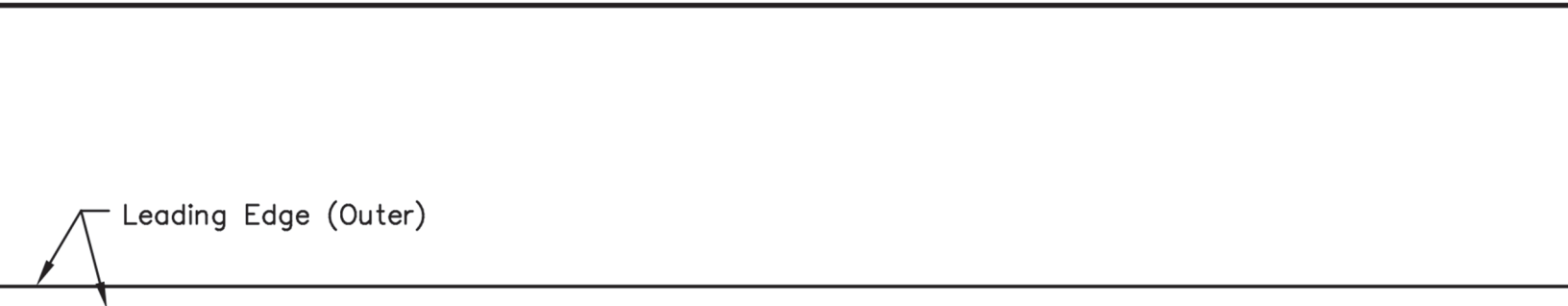


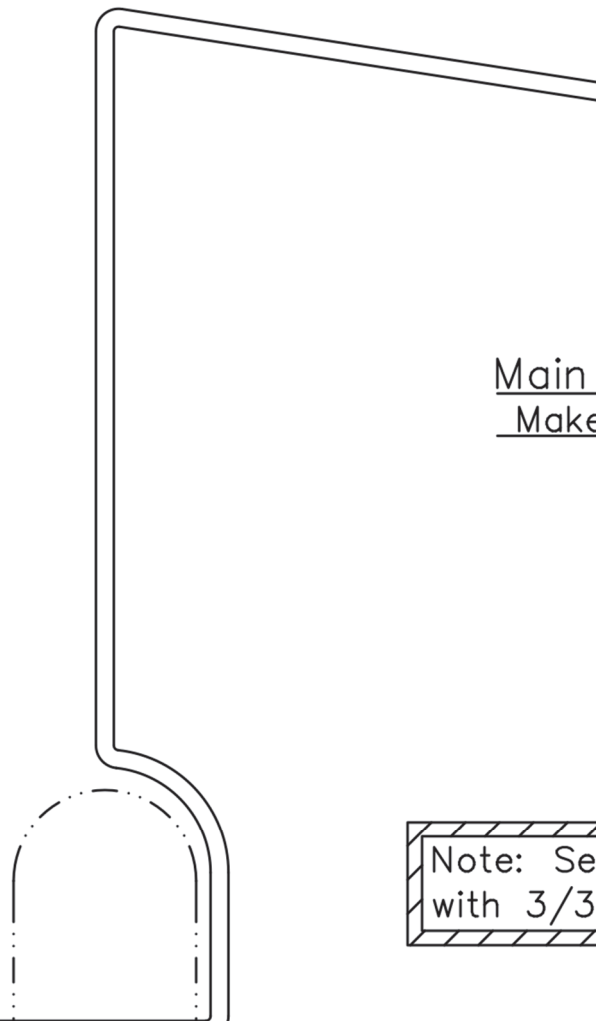
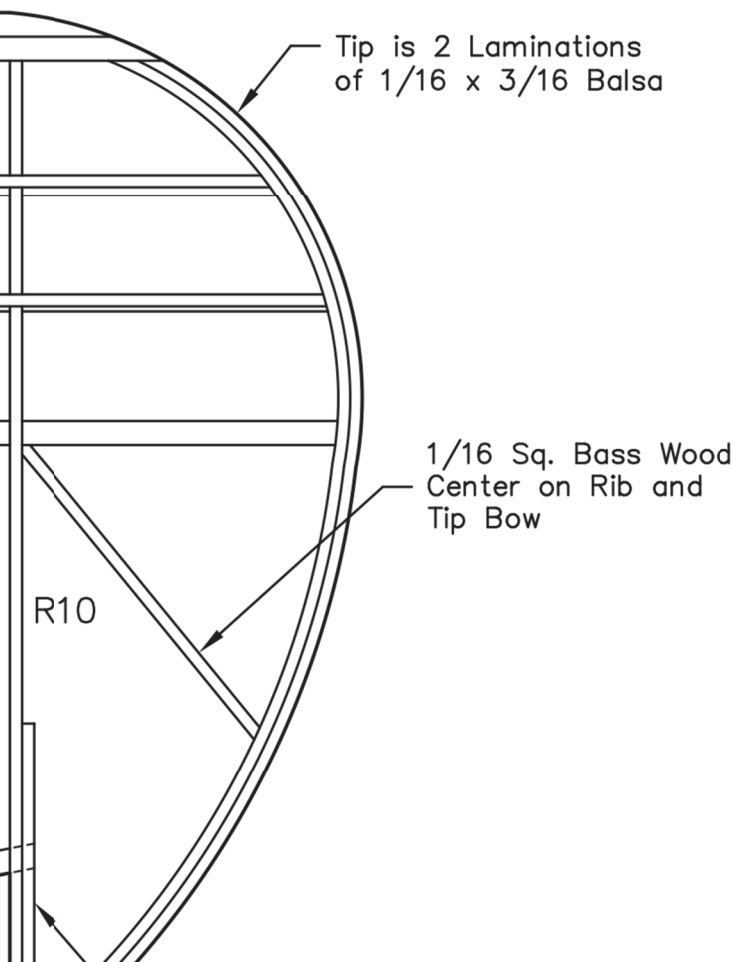
R3

R4

R5

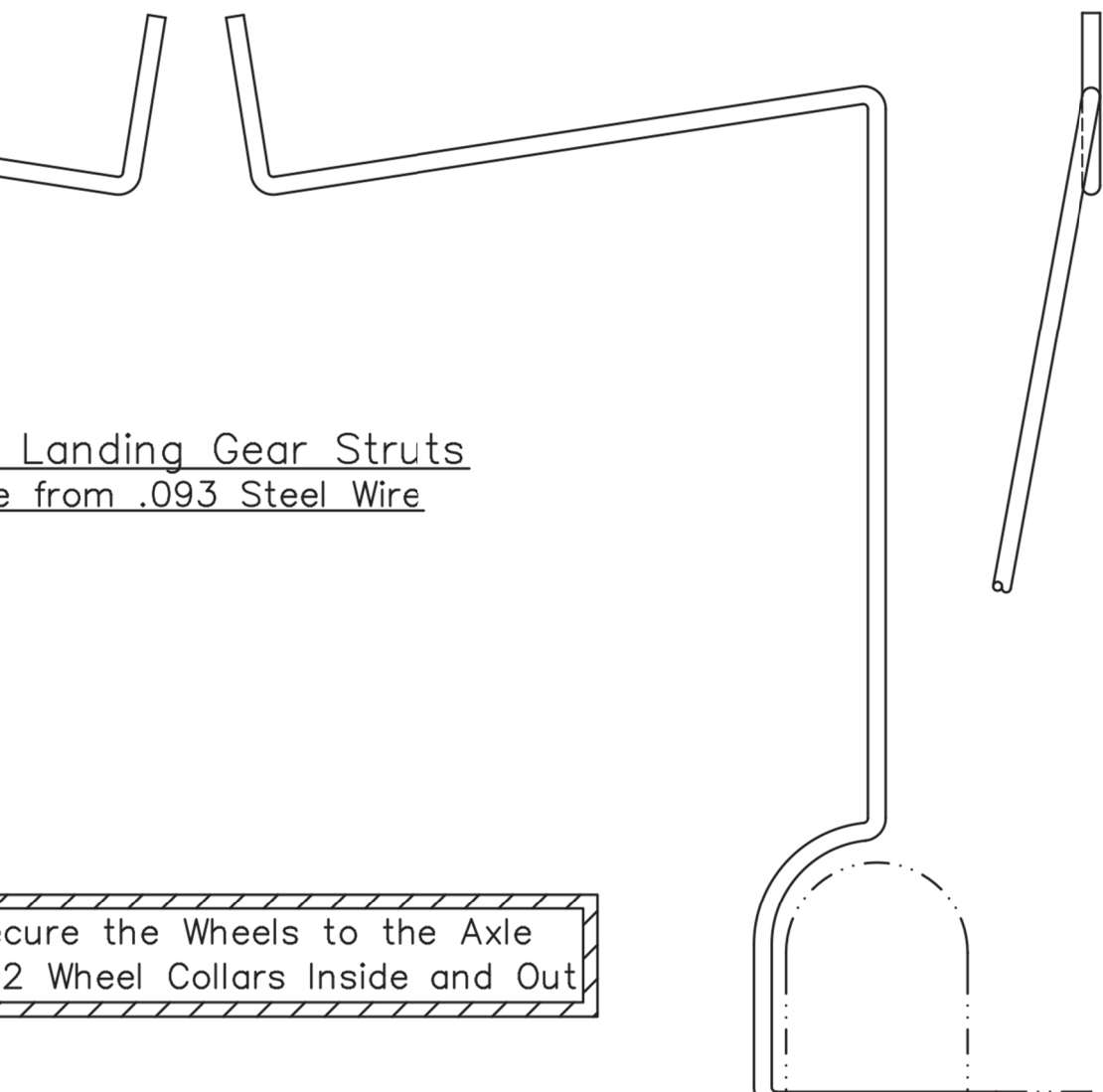
R6



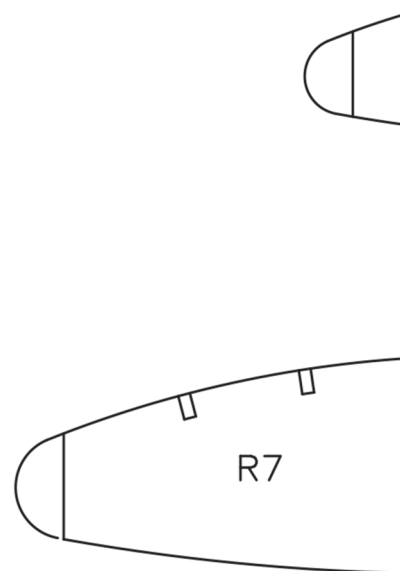


Main
Make

Note: See
with 3/3

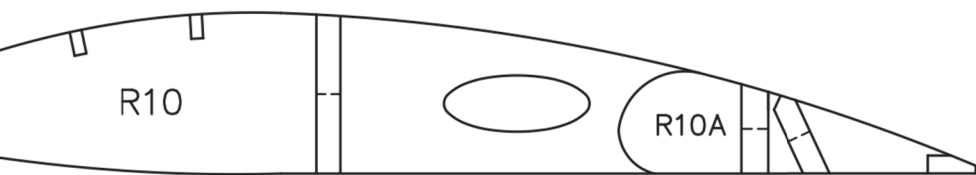


Landing Gear Struts
made from .093 Steel Wire

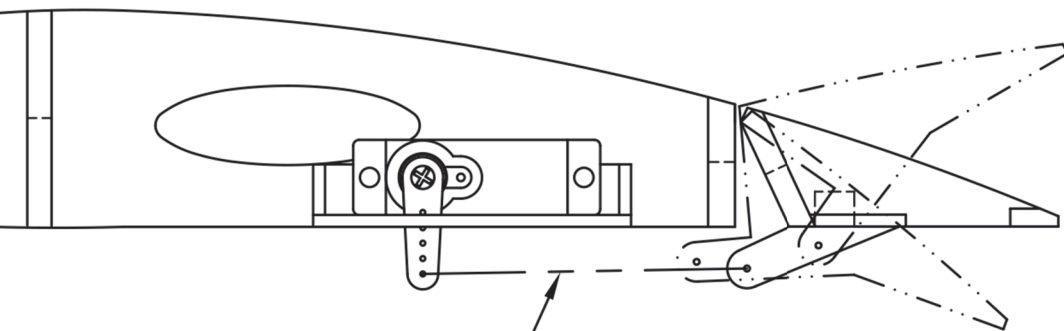


R7

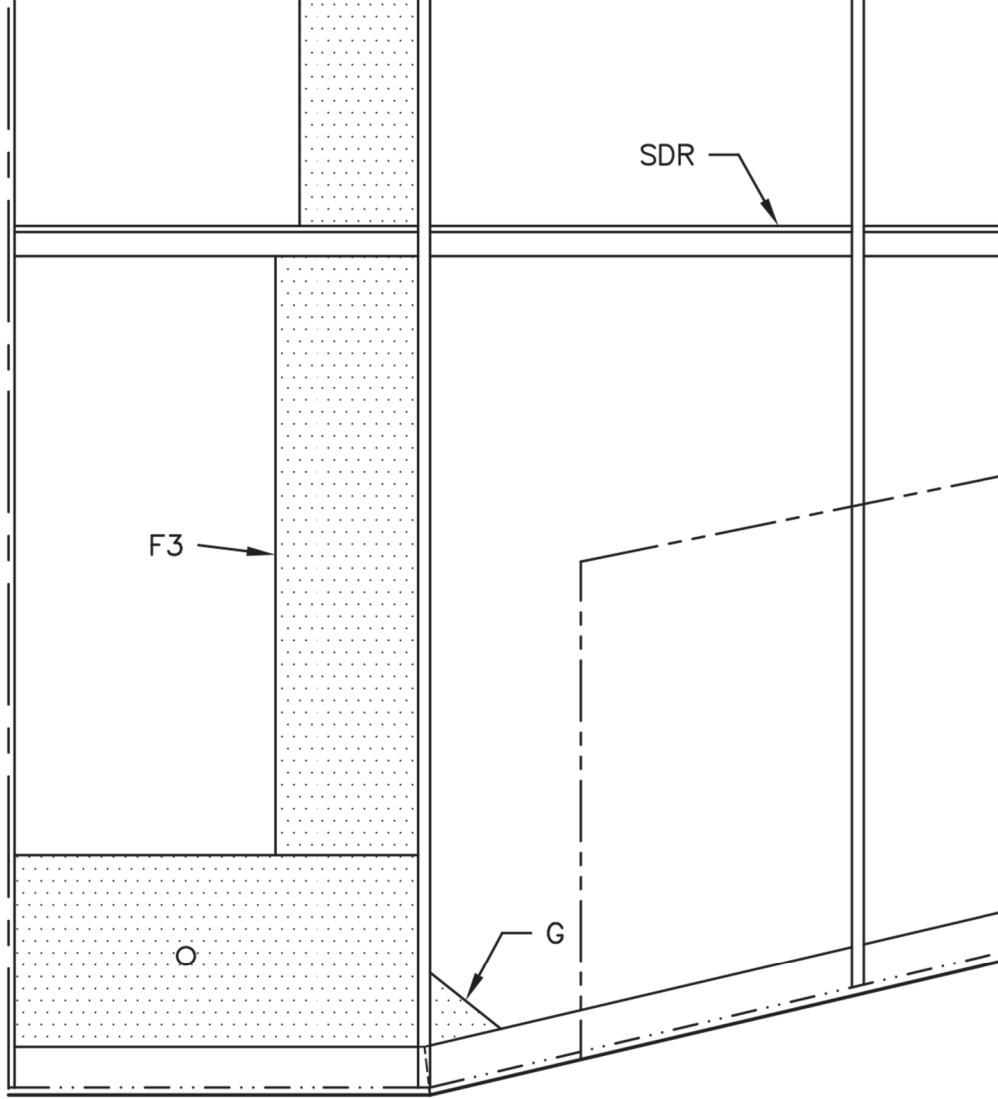
Secure the Wheels to the Axle
2 Wheel Collars Inside and Out



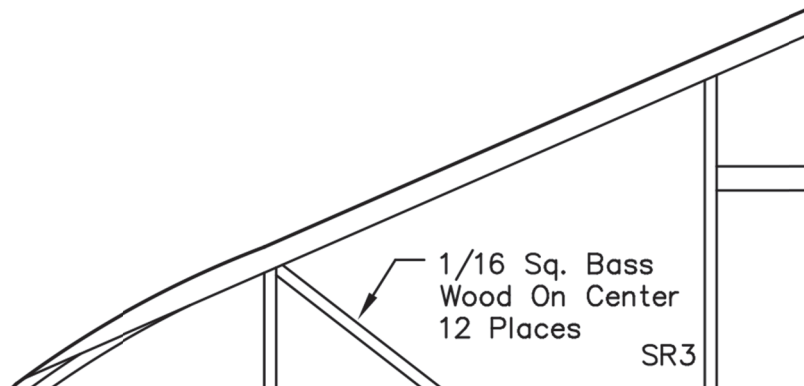
Aileron Throw: .9" Up - .6" Down
w/ a 70% Dual Rate



.032 Steel Wire Pushrod
Secure w/ a Z-Bend Both Ends

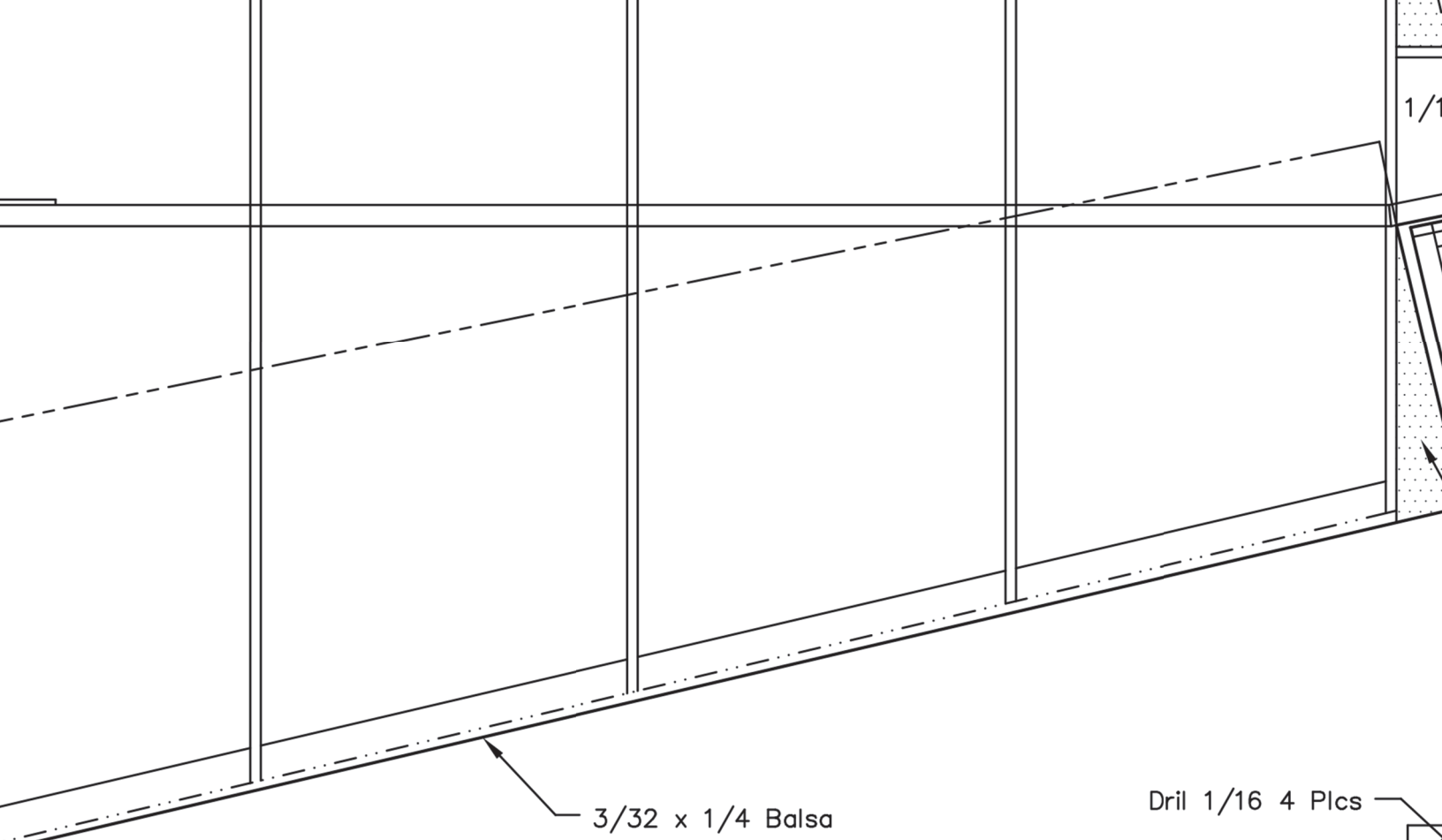


Note: F1, F2, & F3 are Glued
in Flush with the bottom of R1



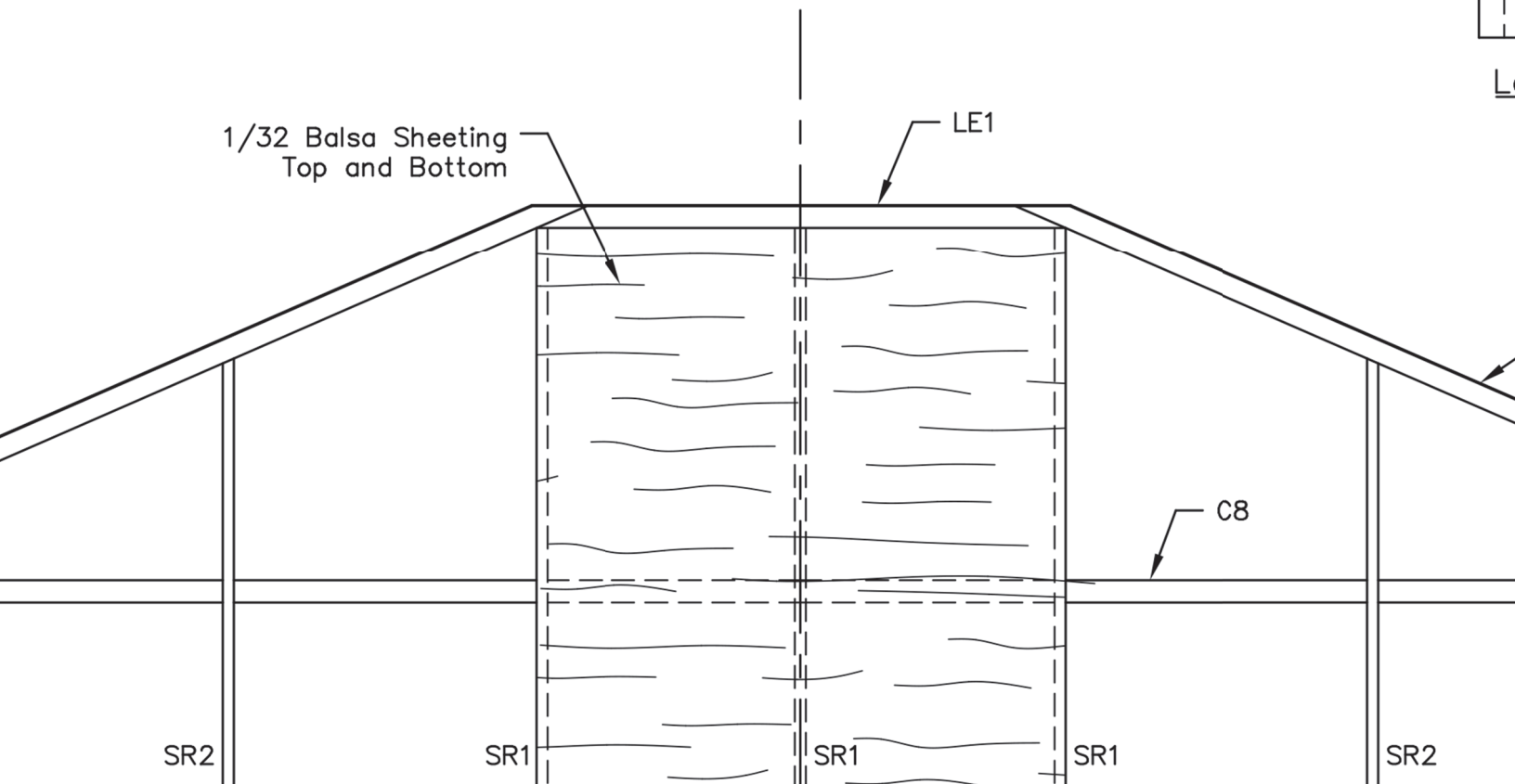
1/16 Sq. Bass
Wood On Center
12 Places

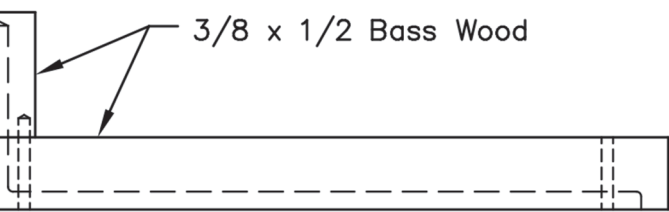
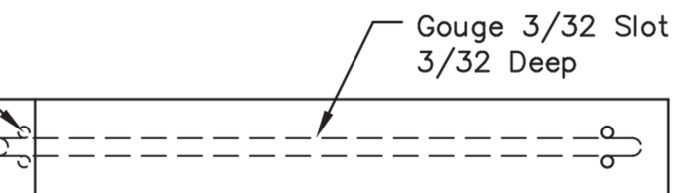
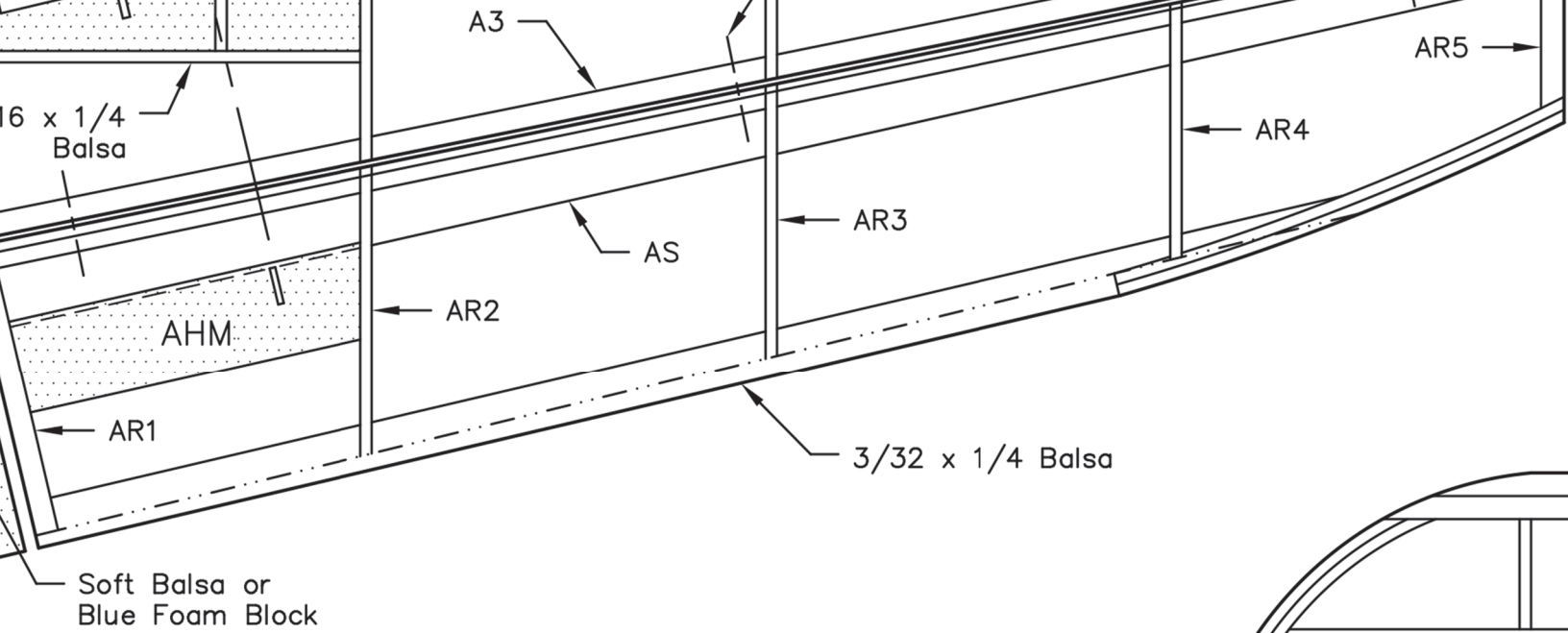
SR3



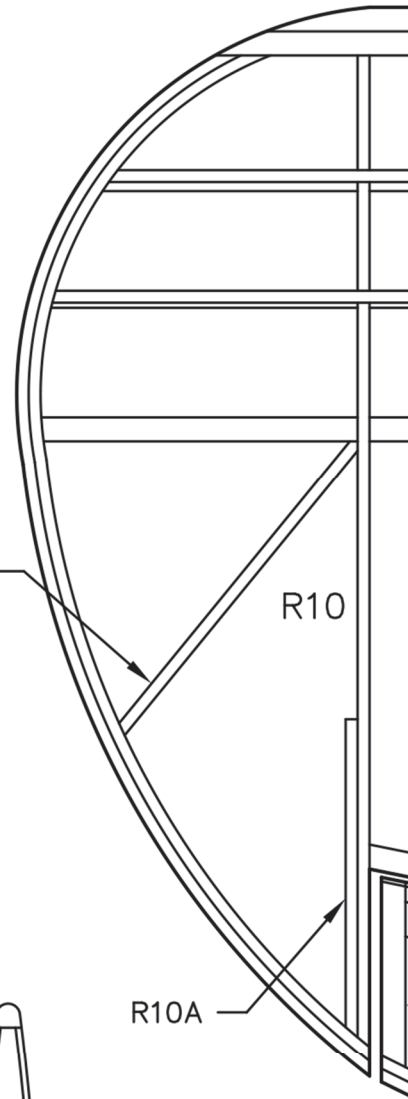
Drill 1/16 4 Plcs

Drill 3/32

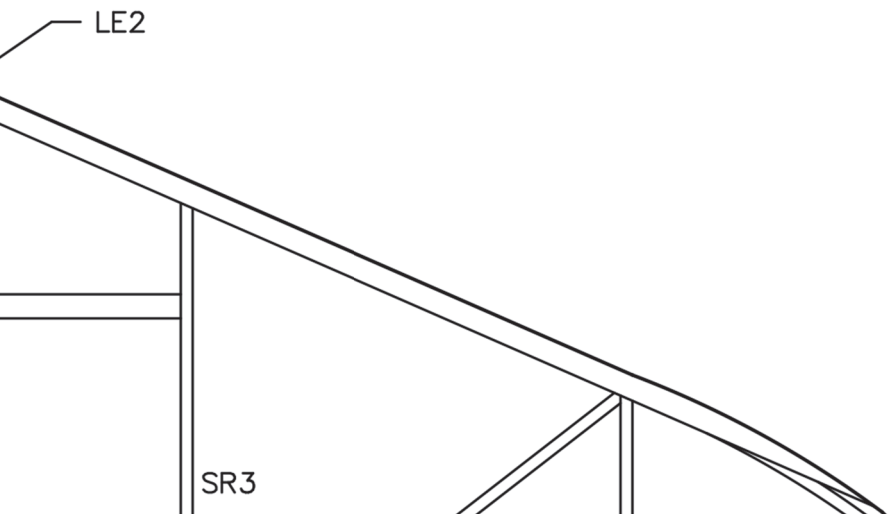


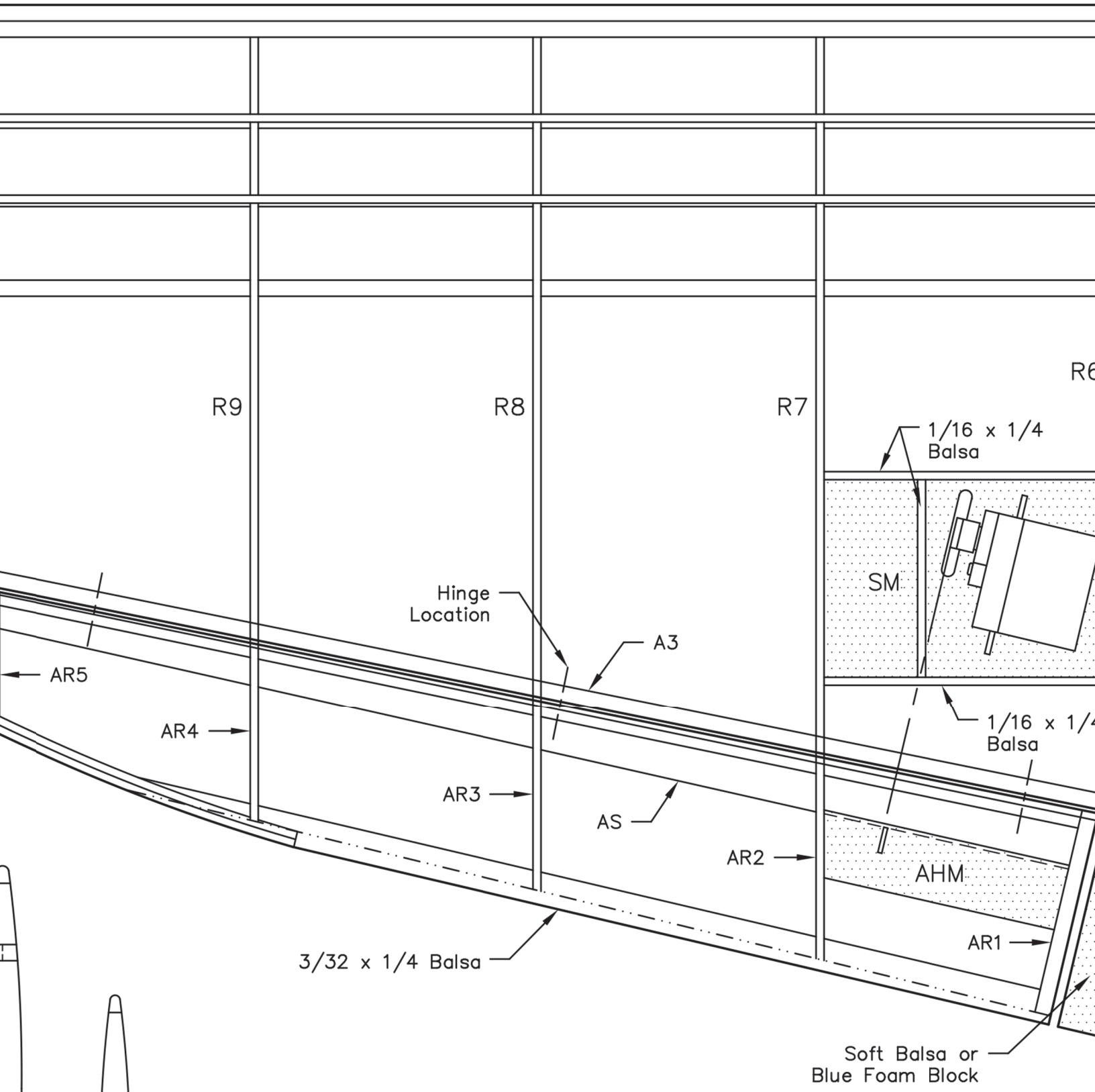
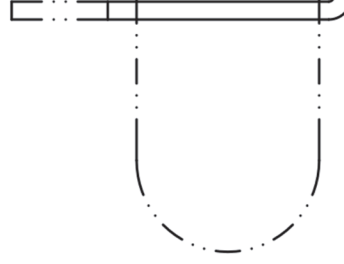


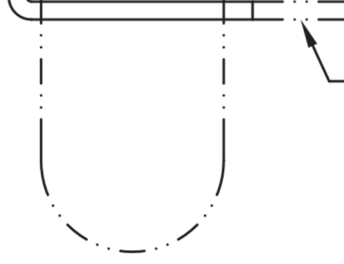
1/16 Sq. Bass Wood
 Center on Rib and
 Tip Bow



standing Gear Mount Detail Drawing



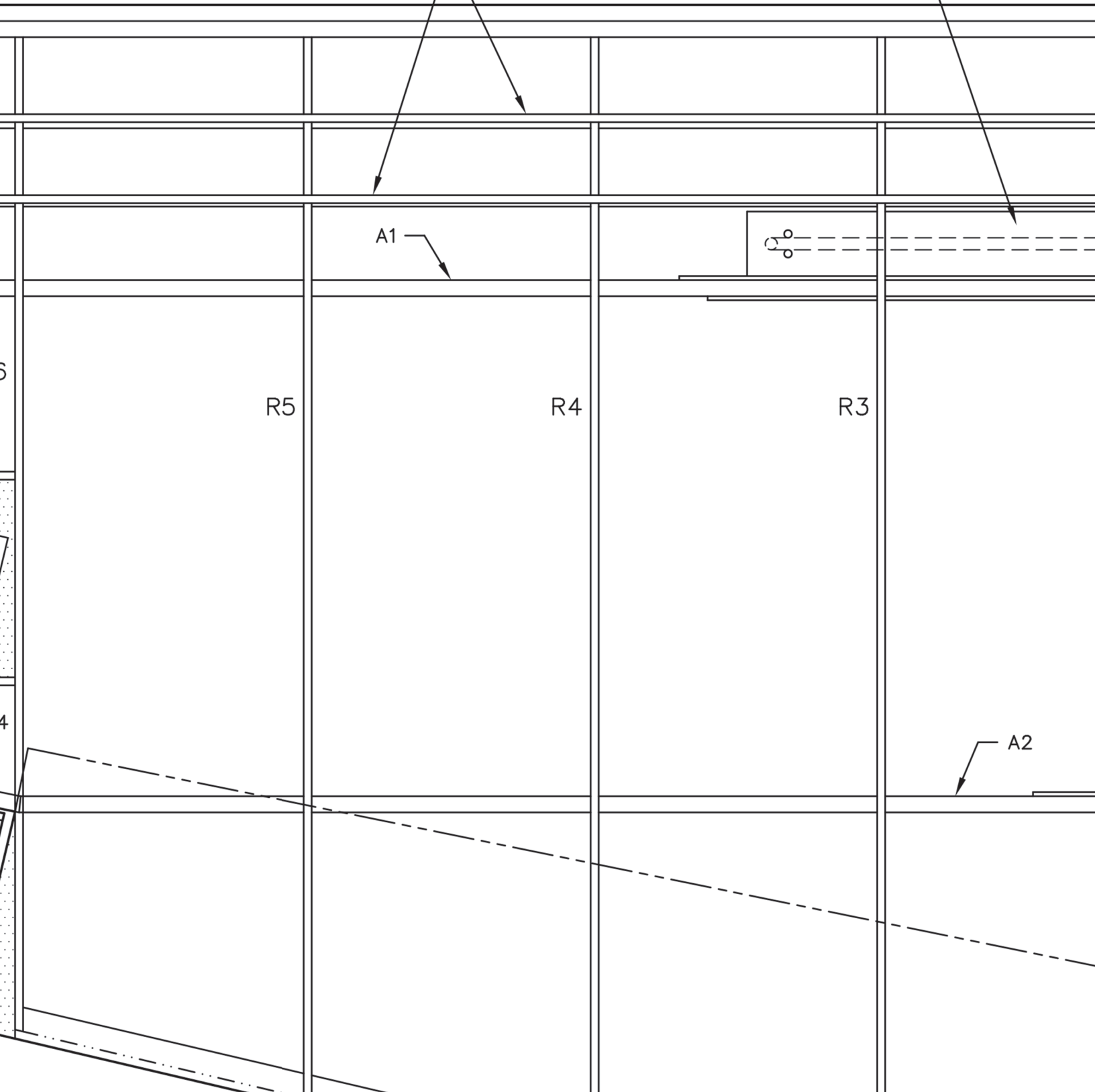




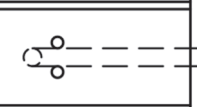
Trim Excess After
Wheels are Mounted

1/16 x 1/8 Balsa

Landing Gear Mount
See Detail Drawing



A1



R5

R4

R3

A2

5

4

Soft Balsa or Blue foam
Block to Contour Wing
Root into the Fuselage

Leading Edge (Inner)

Wing LE
Fairing

F1

DBR

R2

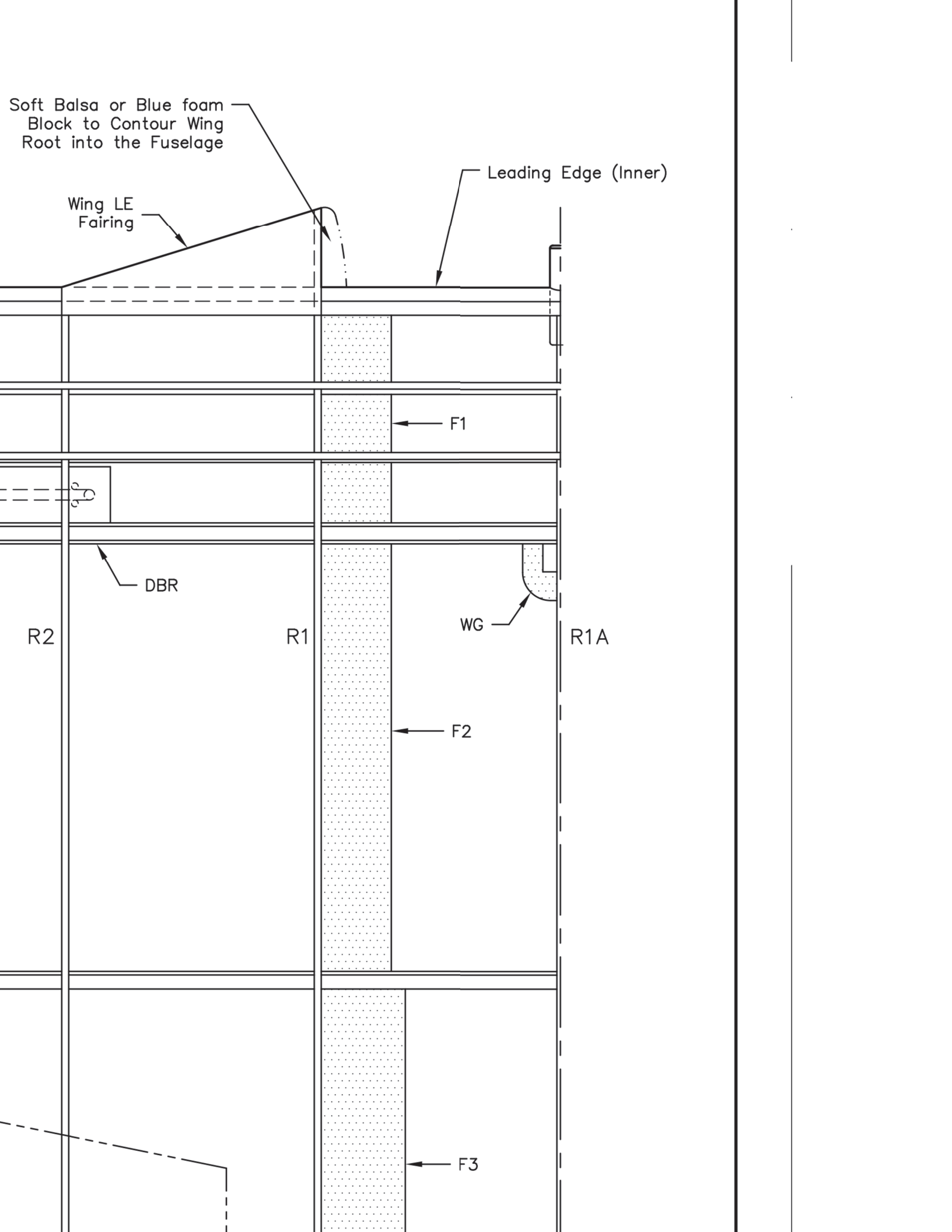
R1

WG

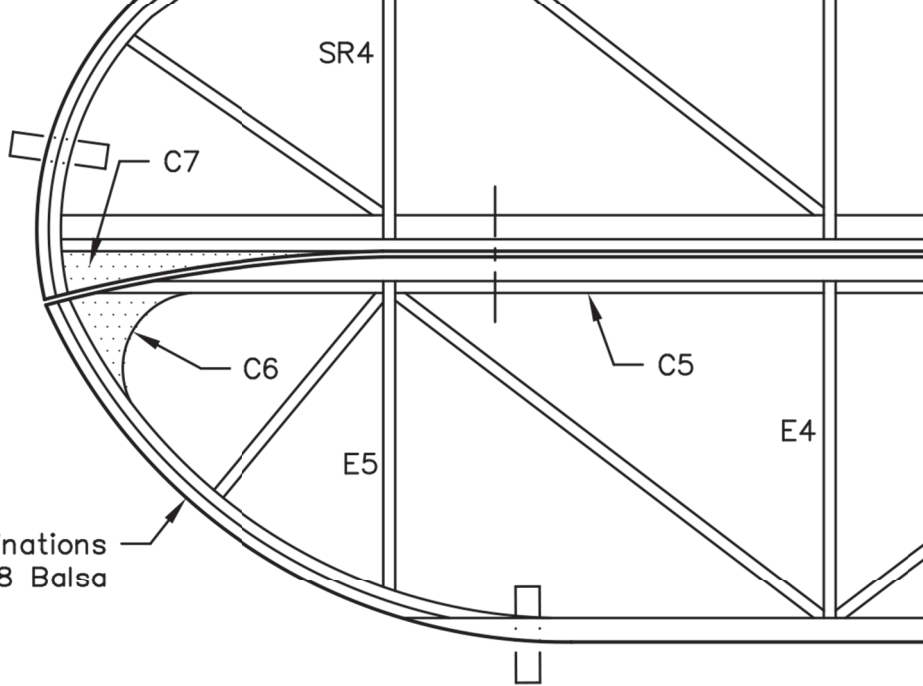
R1A

F2

F3



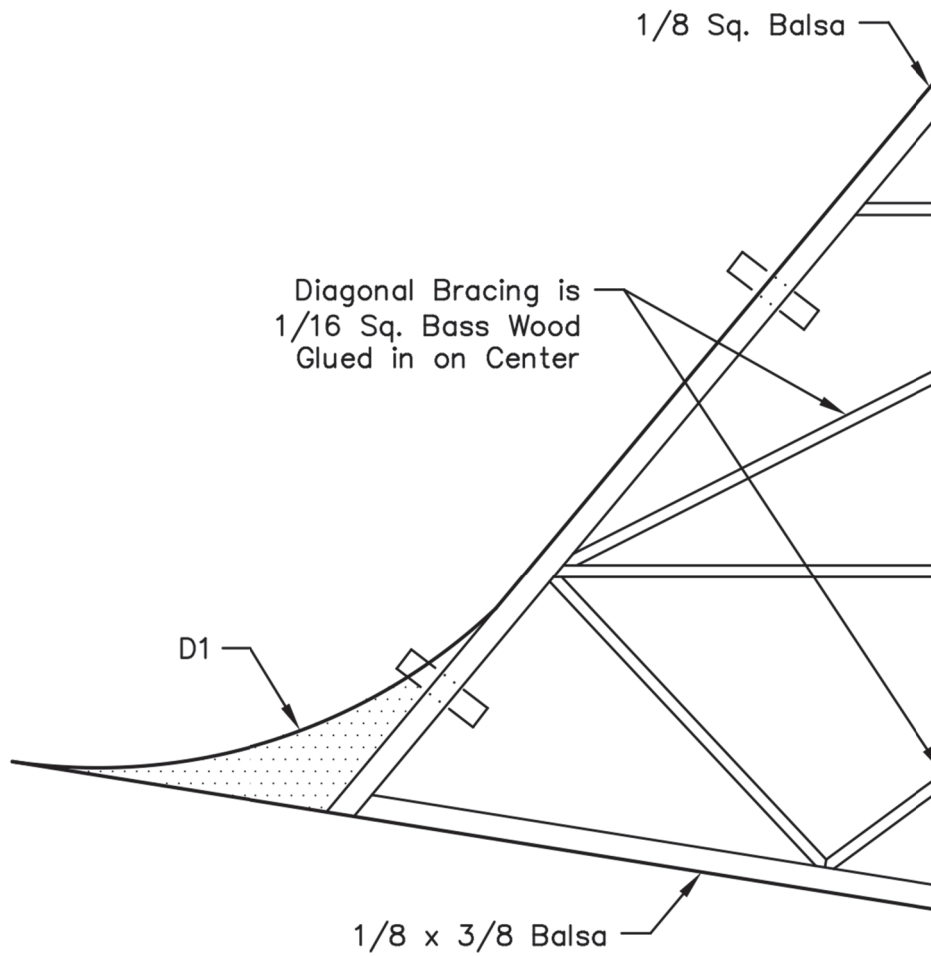
Outline is 2 Laminations
of 1/16 x 1/8 Balsa



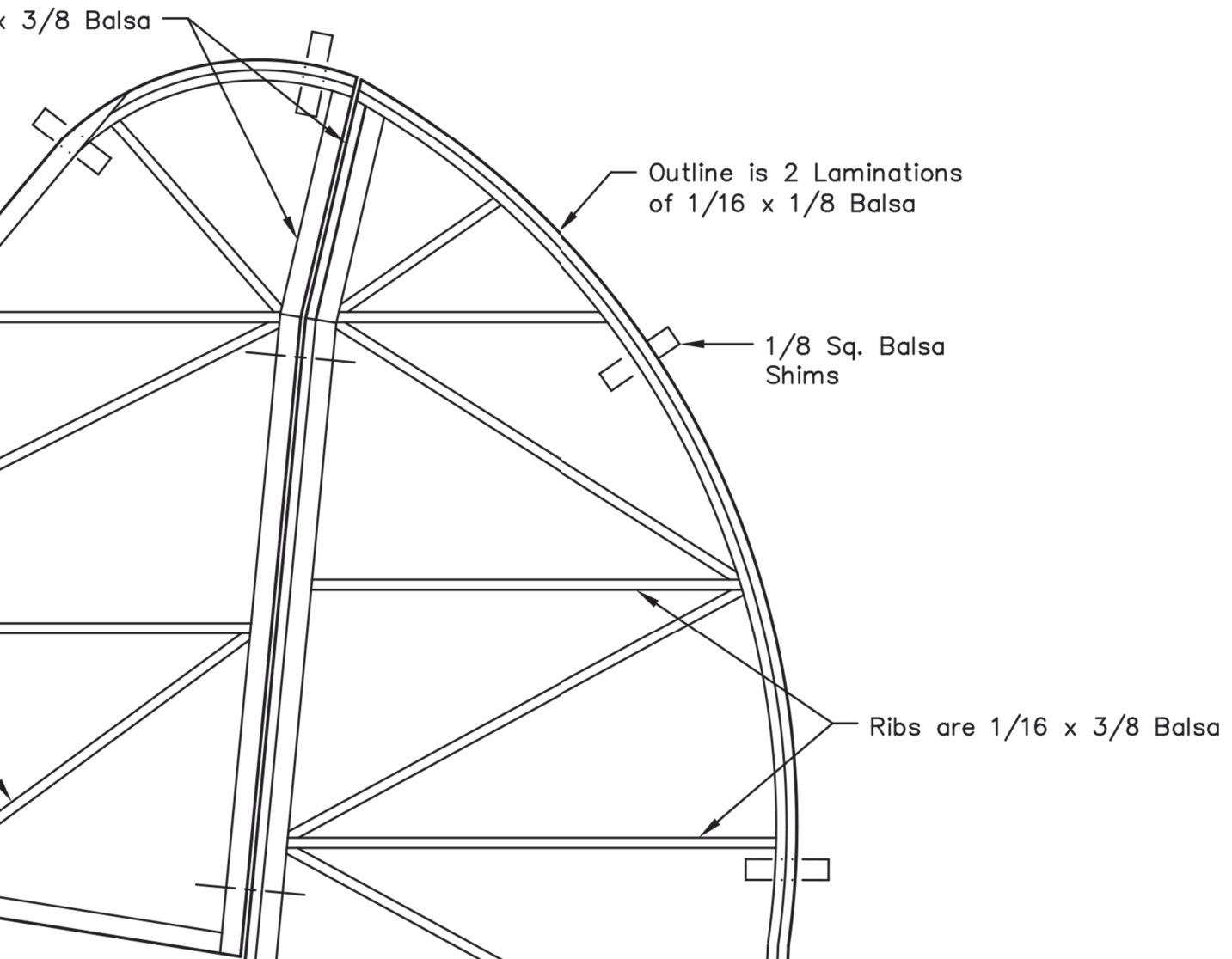
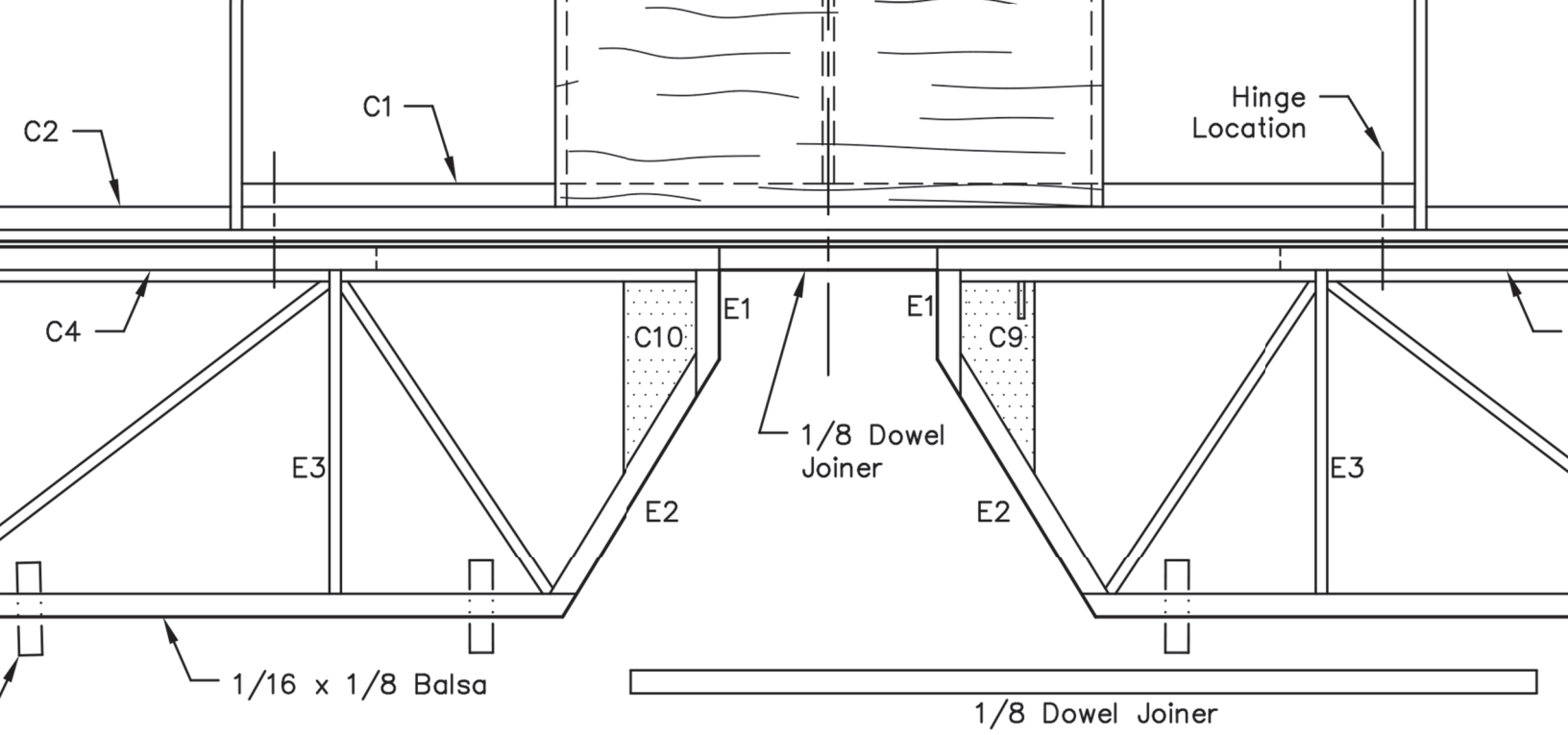
1/8 Sq. Balsa
Shims

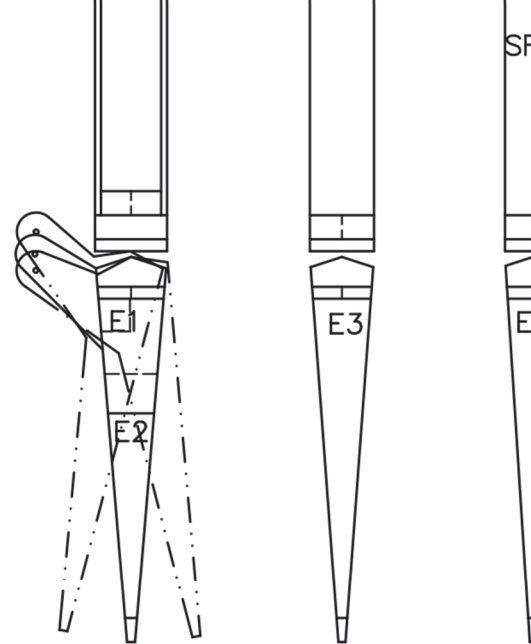
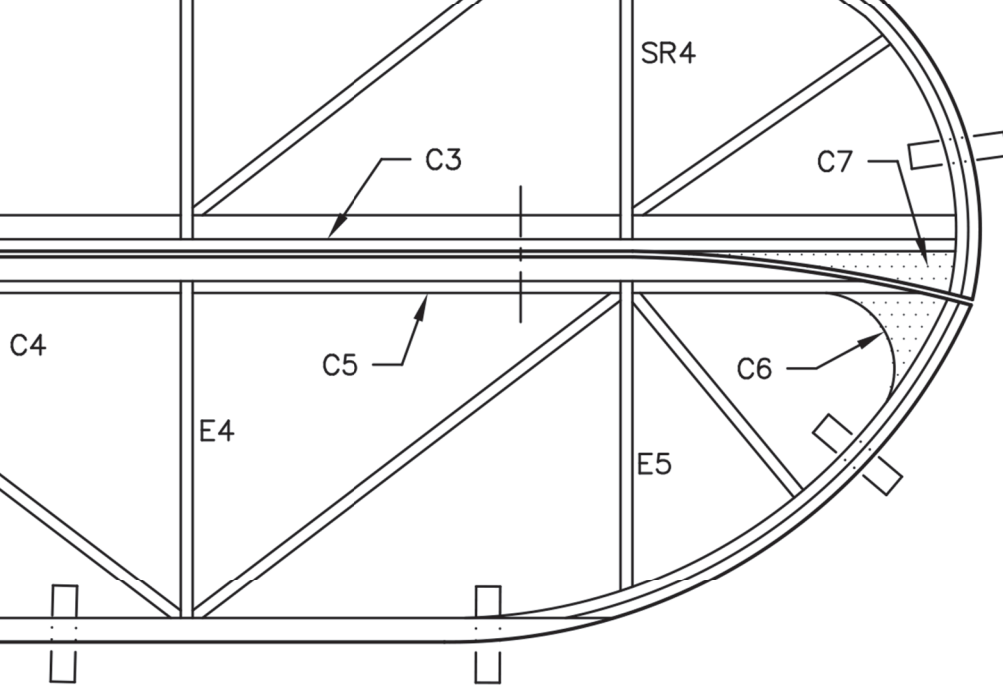
1/8 x

Diagonal Bracing is
1/16 Sq. Bass Wood
Glued in on Center

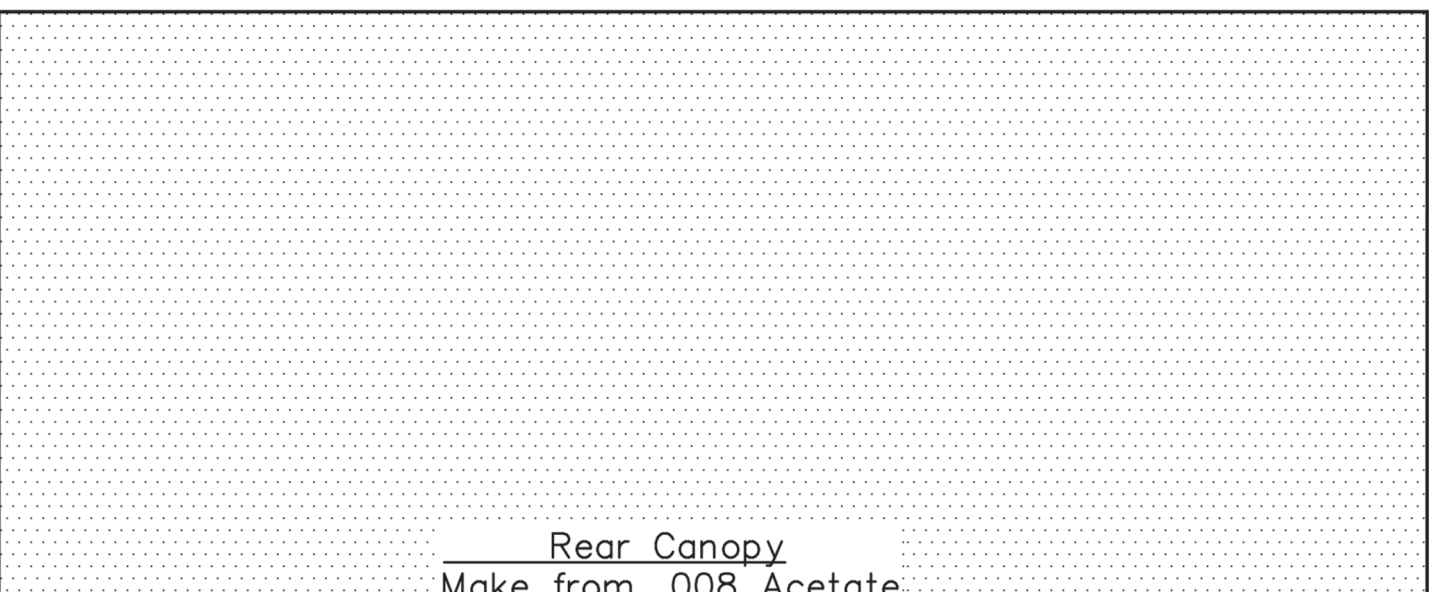


1/8 x 3/8 Balsa





Elevator Throw 3/8"
Up 3/8" Down
w/ a 70% Dual Rate



Rear Canopy
Make from .008 Acetate

R3

4

SR4

E5

1/16 x 1/8 Balsa
Turbulator Spars

WG

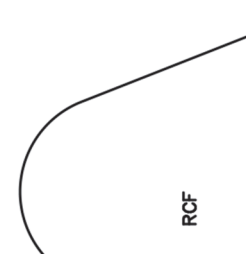
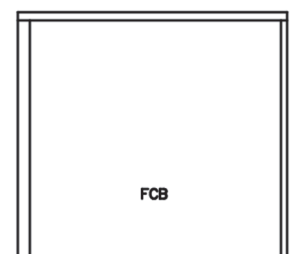
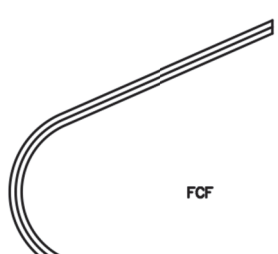
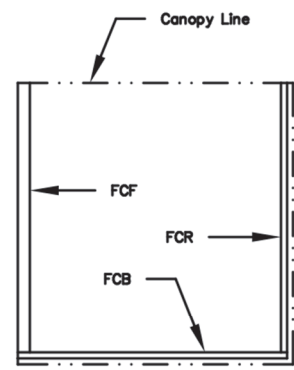
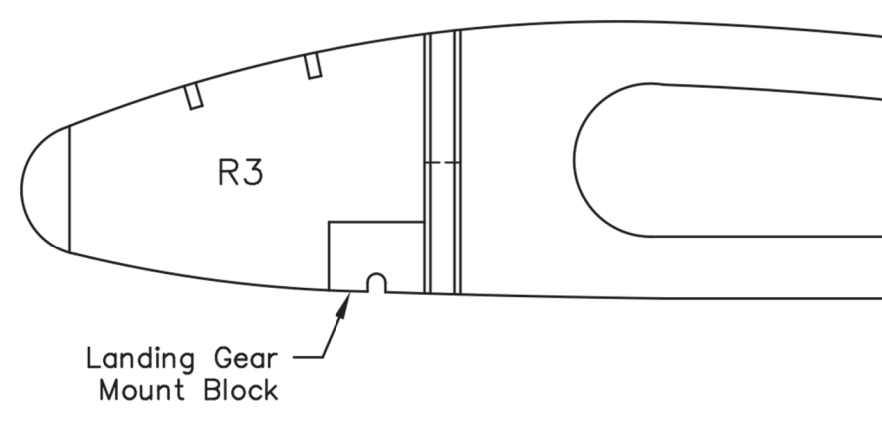
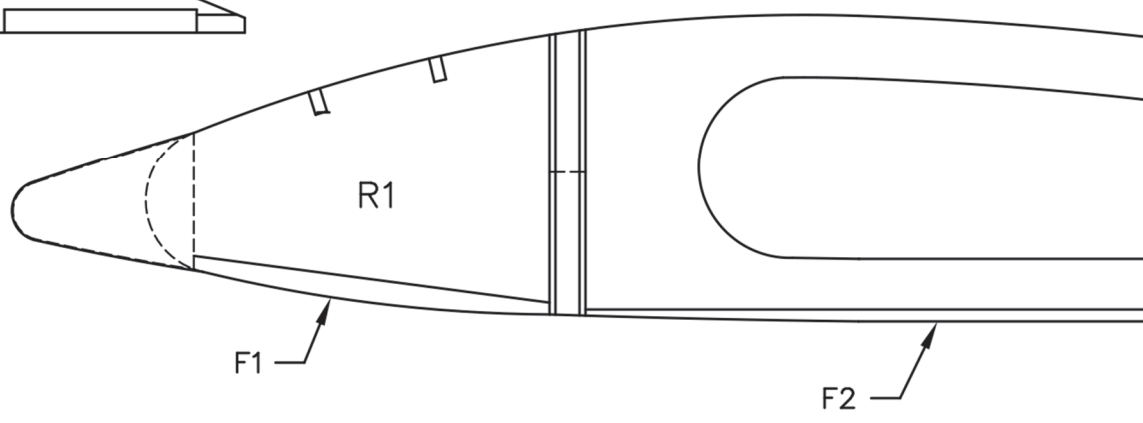
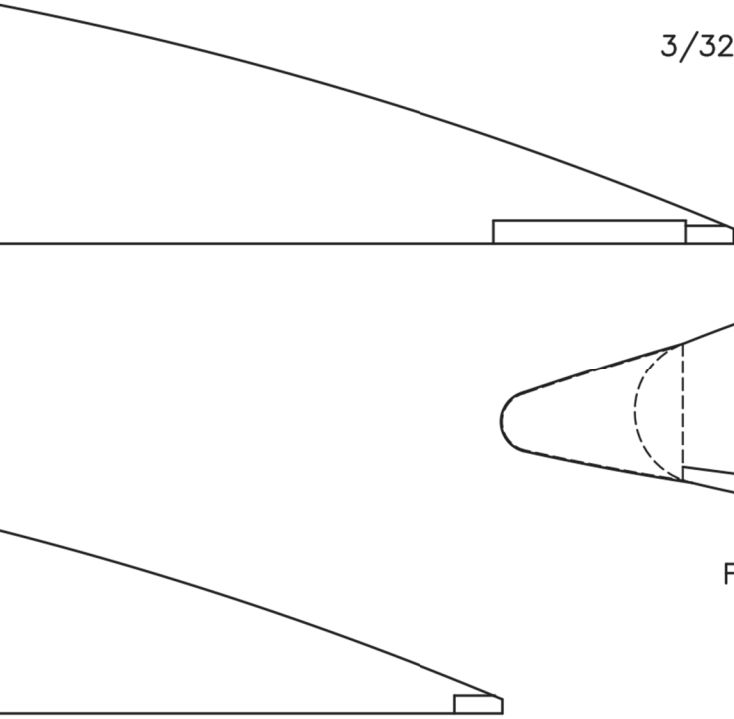
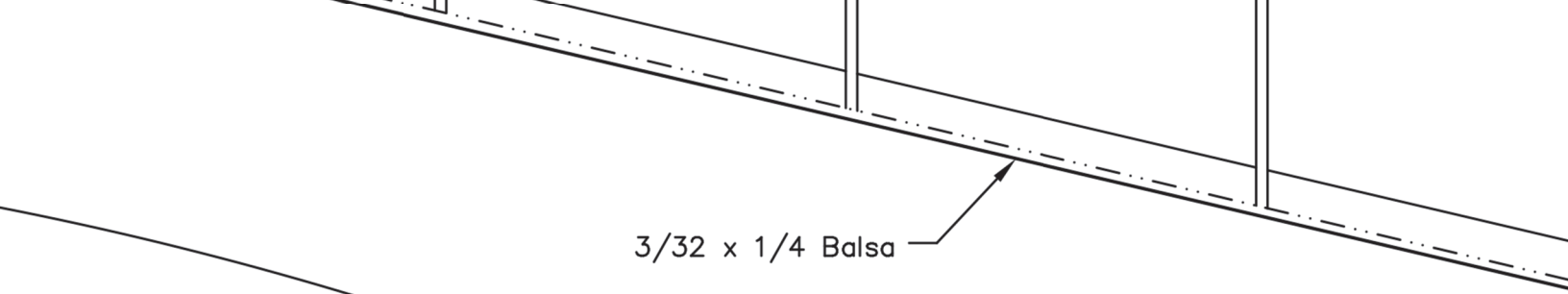
R1A

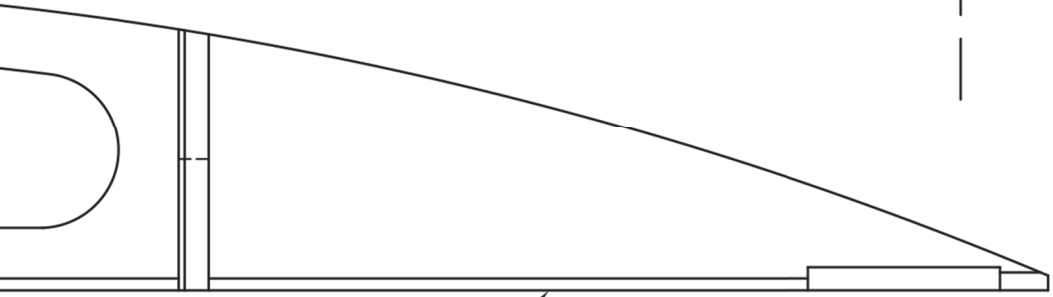
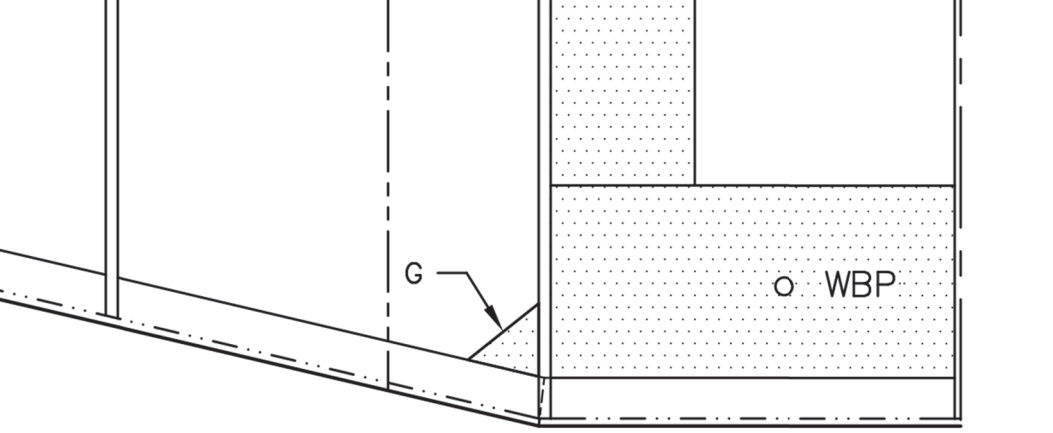
3/16 Wing
Hold-Down Dowel

R2

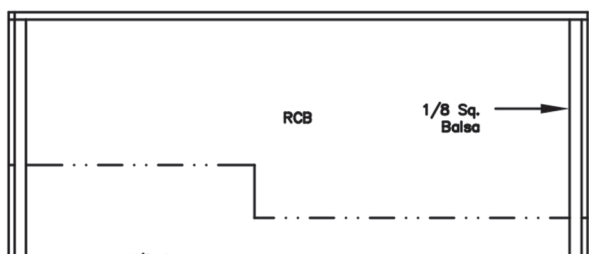
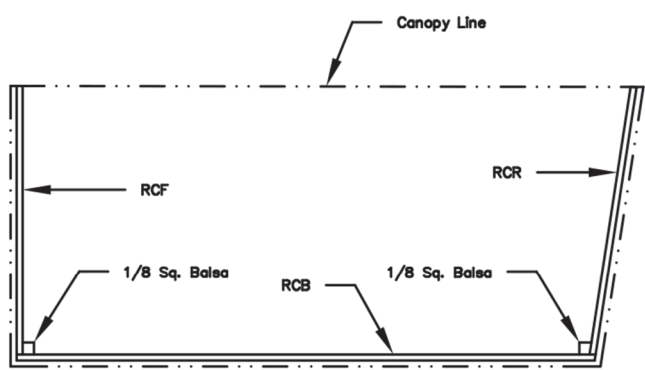
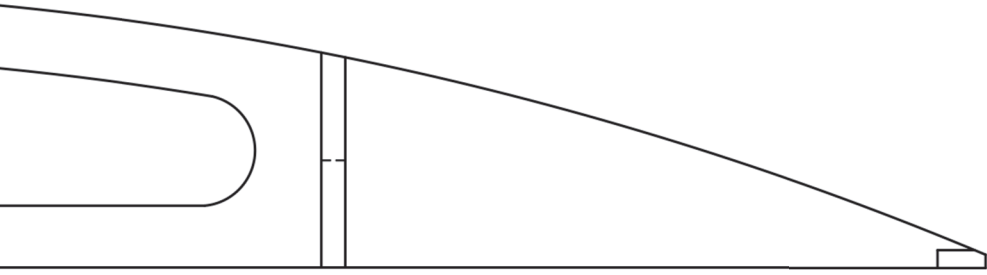
Landing Gear
Mount Block

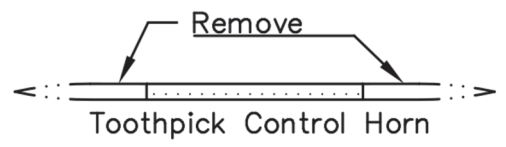
Front Canopy
Make from .008 Acetate.





F3

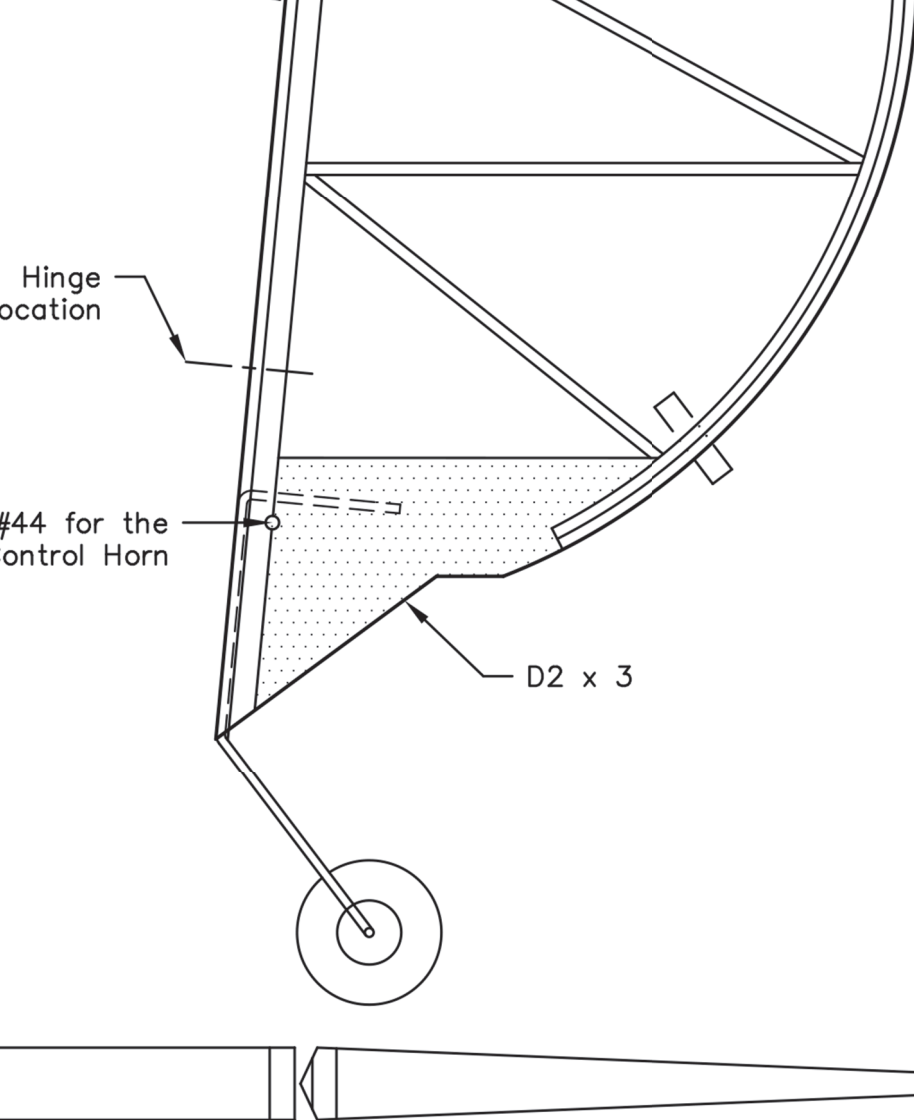




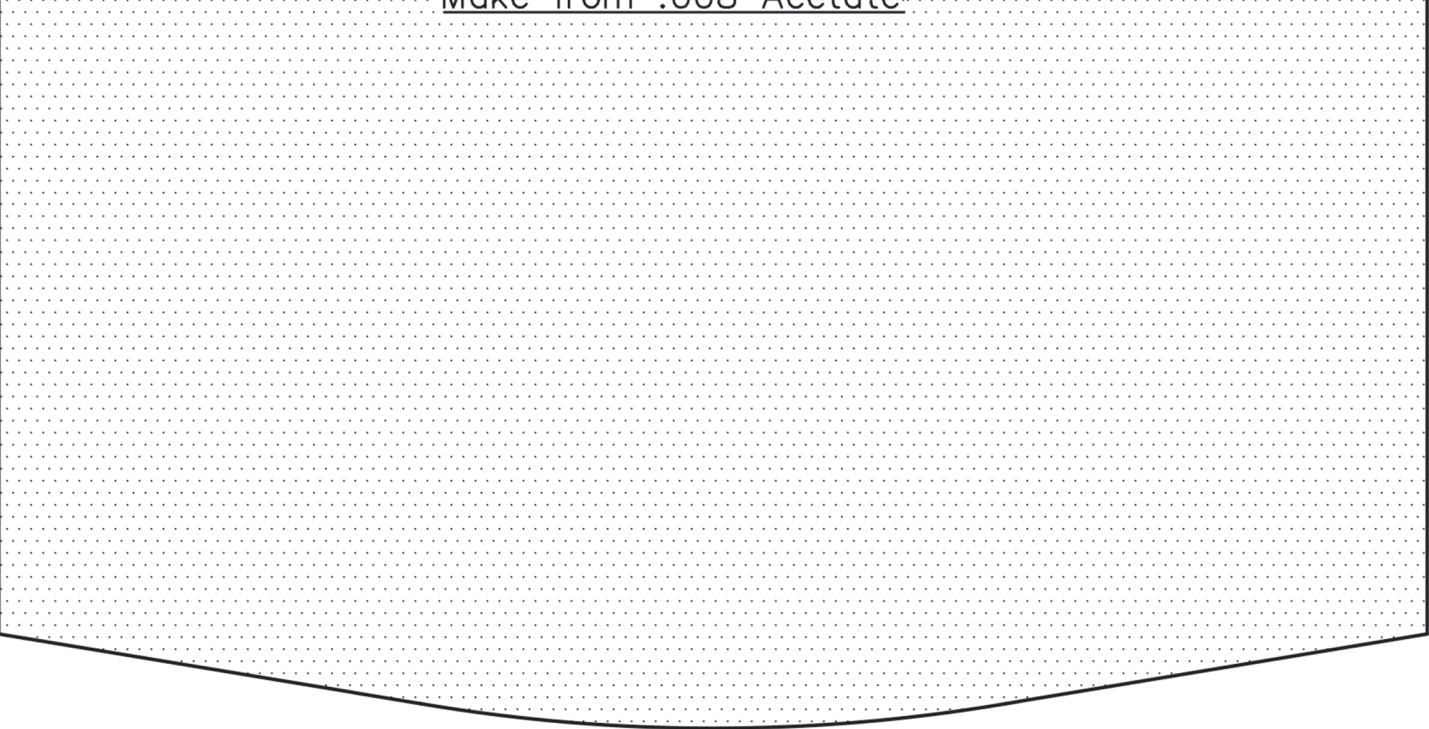

Rudder Hinge 3 Req.

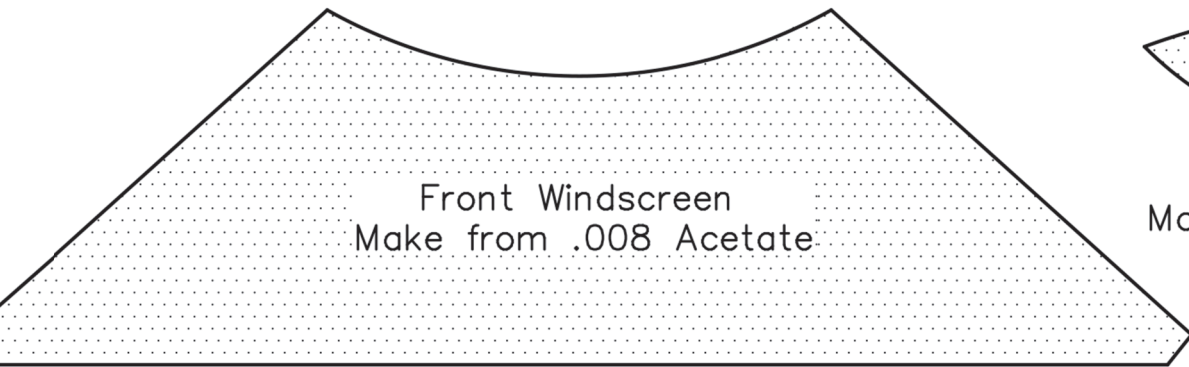
Drill #
Toothpick C



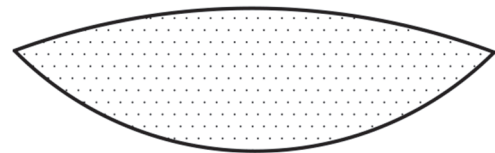


MIKE FROM .000 ACCLATE






Front Windscreen
Make from .008 Acetate



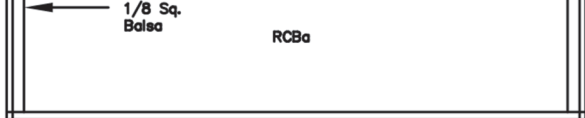
Top Windscreen
Make from .008 Acetate



Front Cockpit Hatch Assembly
Shown at 1/2 Scale

Note: Assemble the Canopy Frames Directly on the Fuselage Frame Assembly. Cover the Cockpit Openings with Waxed Paper to Prevent the Frames from Sticking to the Fuselage During the Assembly Process.

Secure the Frames on the Fuselage with Rare Earth Magnets – 2 for the Front Canopy and 4 for the Rear. Secure the Magnets on Scrap Balsa Pads Glued Between the Fuselage Main Frame and Outer Stringers.



Rear Cockpit Hatch Assembly
Shown at 1/2 Scale

Curtiss SB2C Helldiver

Span: 48" Length: 37.7"

Wing Area: 396 Sq. In. Wt: 24.3 oz.

Designed by: Pat Tritle for
Model Aviation Magazine

Sheet 2 of 3

11-17-2018