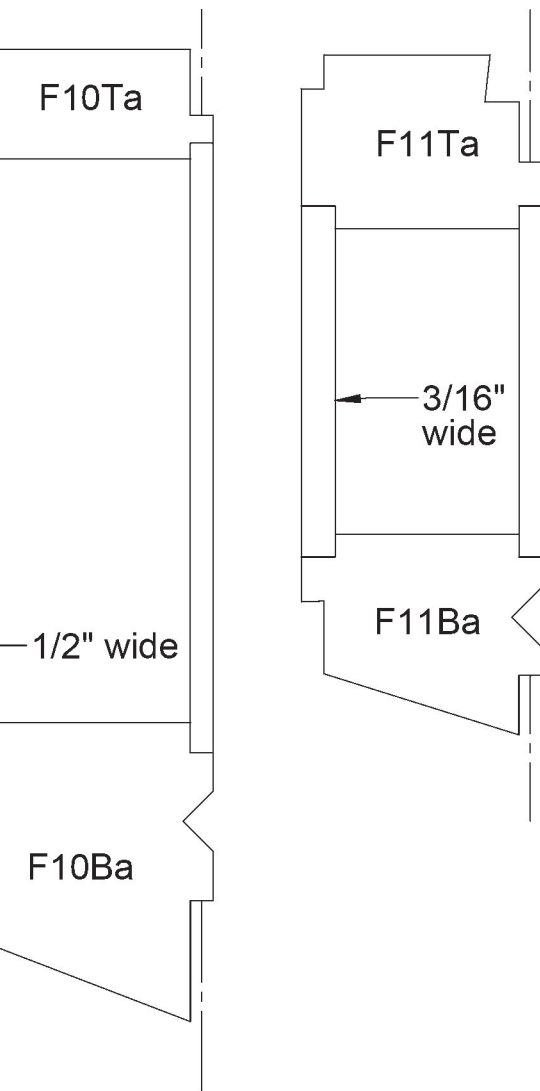


SPINNER:

An STL file for a 3D
is available on Thin

CENTER OF GRAV

Cg shown is 2 5/8" c
back of former F6-2
MAC.

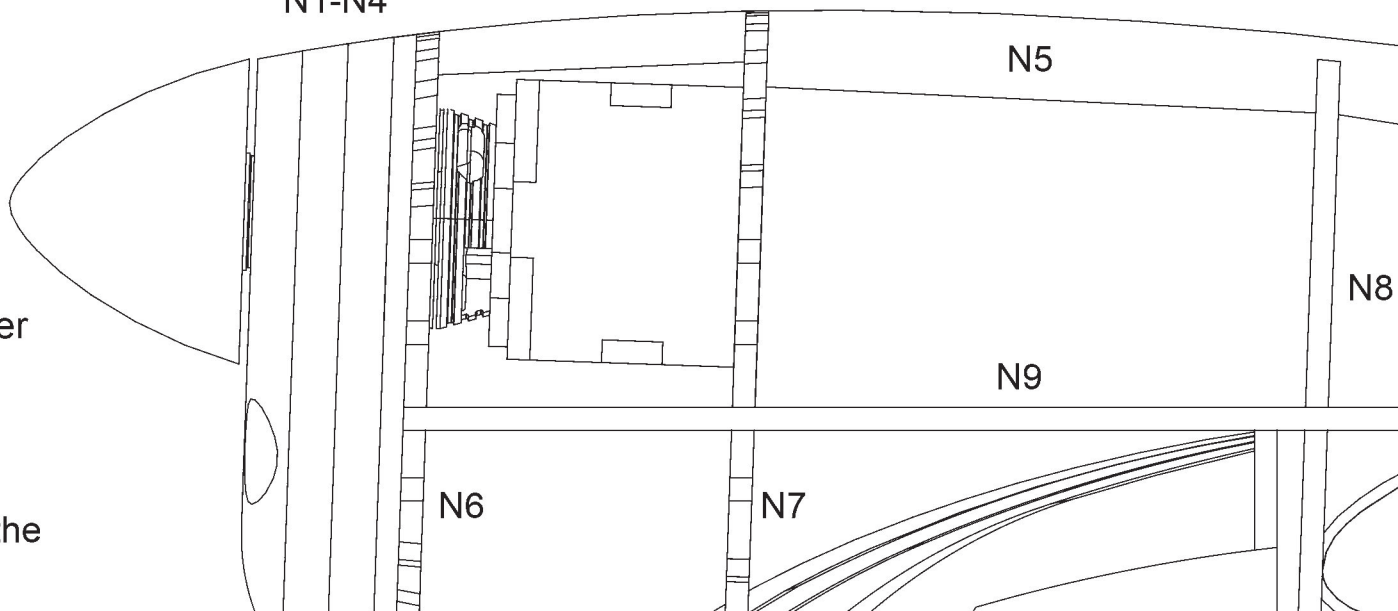


FUSELAGE--ASSEMBLY ORDER

Build the port (left) side first--use the "a" former halves.

1. Preassemble Keels K3/4 and K5/6 over the plan.
2. Double ply Formers F6-1 and balsa Formers F6-2 by method 1. See Hatch Detail at bottom right.
3. Preassemble Formers F7, F9, F10, and F11 over plan.
4. Keels K1 thru K4--pin these parts flat to the plan.
5. All "a" Former parts--install perpendicular to plan.
6. Keel K5/K6 and Wing Saddle K7--glue into Formers.
7. Rear Stringer--connect the top corners of Formers F8 thru F11 with a 3/16" balsa strip.
8. Hatch Rail K8--glue bottom side to Formers F4, F5, and F6.
9. Hatch Rail K9--glue top side to Hatch Formers F4H, F5H, and F6H (see Hatch Detail below).
10. Bracing--add 1/8" square braces diagonally between formers F4 and F5, F6 and F7, F8 and F9, and F10 and F11.
11. Sheet the bottom hull between F1 and F7 with 1/8" balsa sheet.
12. Sheet the bottom hull from F7 to F10, and from F10 to F11 with 1/8" balsa sheet.
13. Unpin the assembly and check for flatness.
14. Battery Tray--glue to F4 thru F6.
15. Repeat assembly steps for the right half of the fuselage.
16. Servo Tray parts ST1 and ST2, and Wing Bolt Pad WB-1 and WB-2 (see Servo/Wing Bolt Detail below).
17. Stringers--1/8" x 3/16" balsa strip stock.
 1. Dampen the stringers with water and alternate the top and bottom side to side to avoid warping the fuselage structure.
18. Nose Block--stack and glue parts B1 thru B6 using hole punches.
19. Cabin--see Cabin Detail to right.
20. Fin Fairing--after covering, glue parts F10T and F11T in place with cardstock or 1/16" balsa to create fairing between fuselage halves.

N1-N4



printed spinner
giveverse.com.

ITY (Cg)

or 67mm from the
This is 24%

atching outlines.

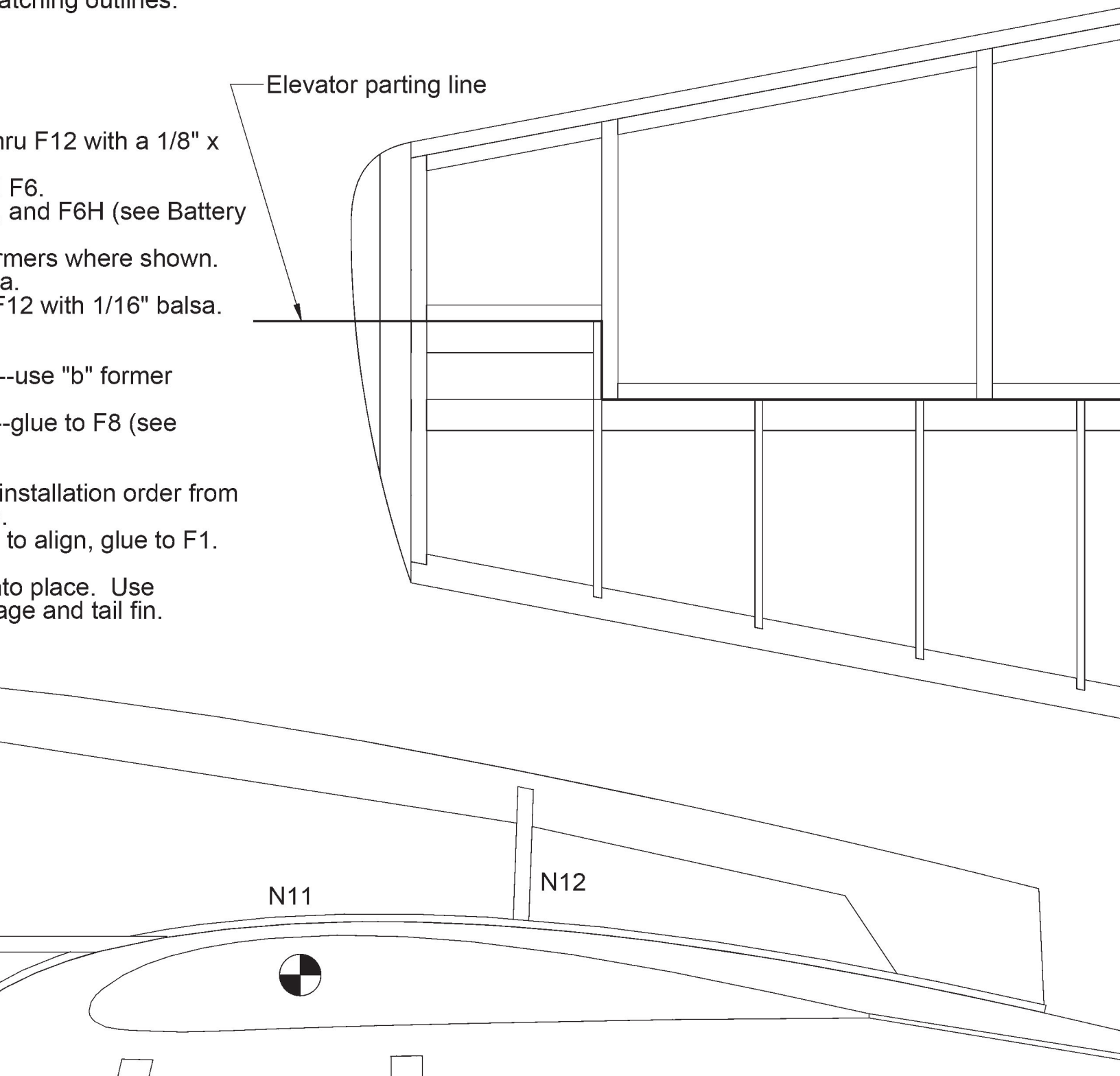
ru F12 with a 1/8" x
F6.
and F6H (see Battery
rners where shown.
a.
F12 with 1/16" balsa.

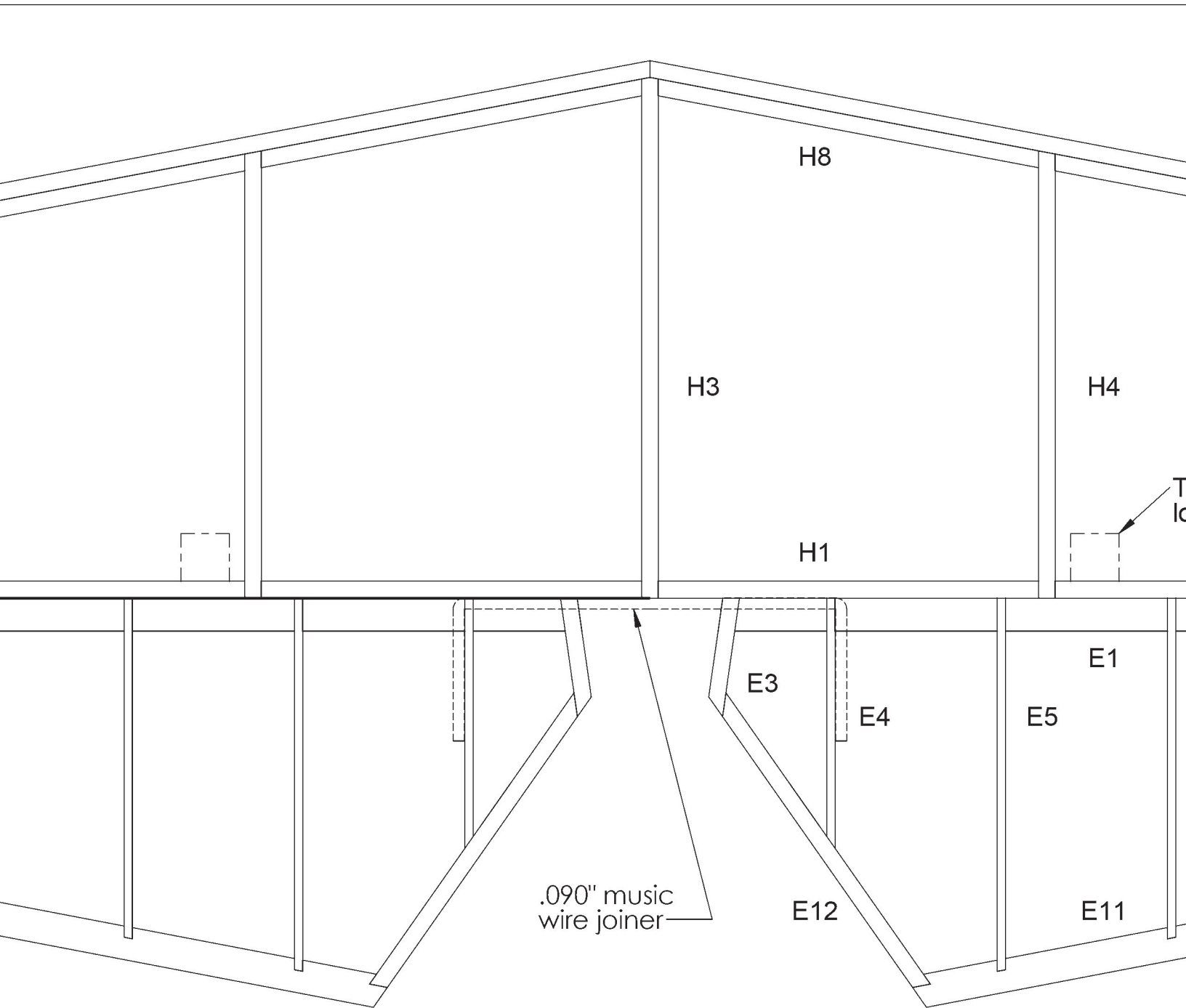
--use "b" former
--glue to F8 (see

installation order from
to align, glue to F1.

to place. Use
age and tail fin.

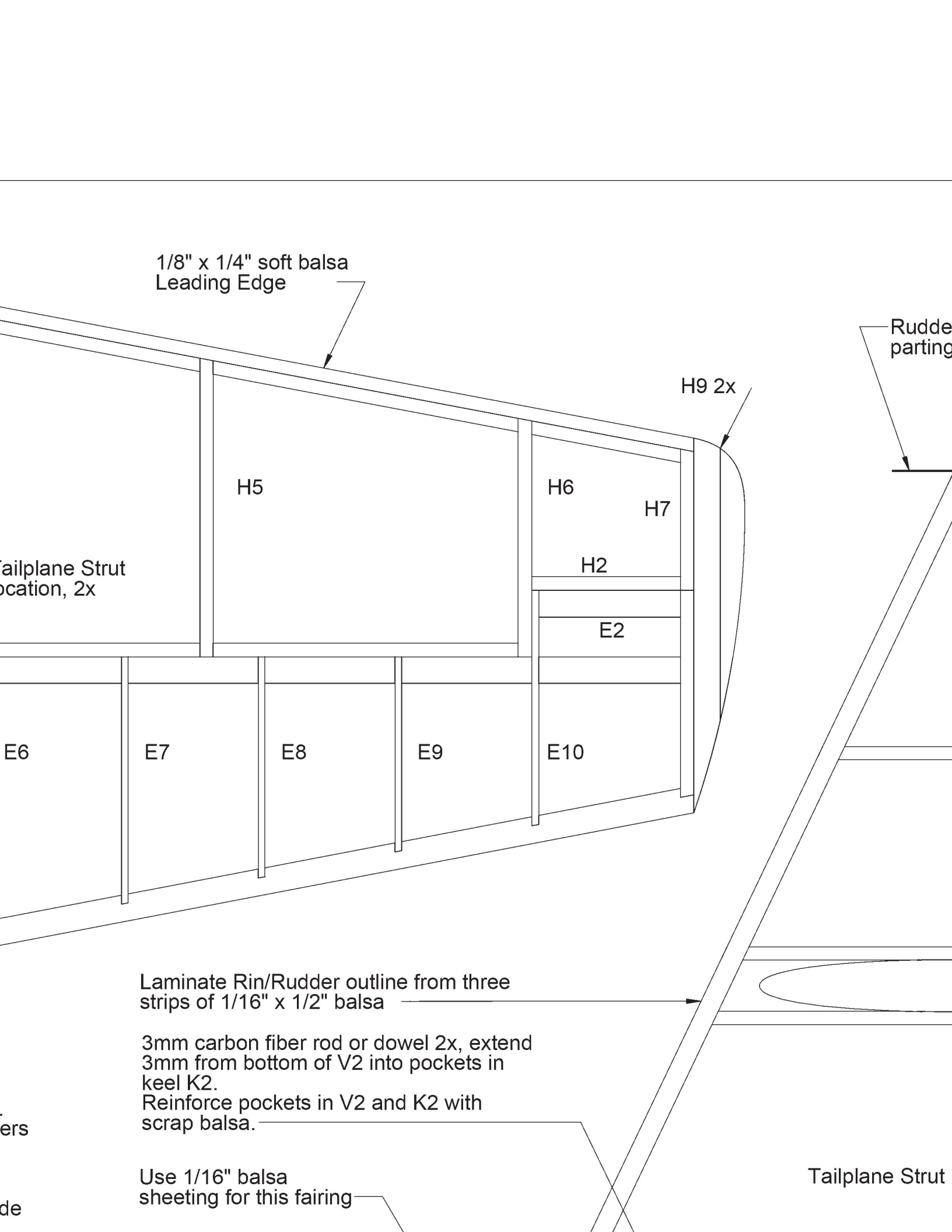
Elevator parting line

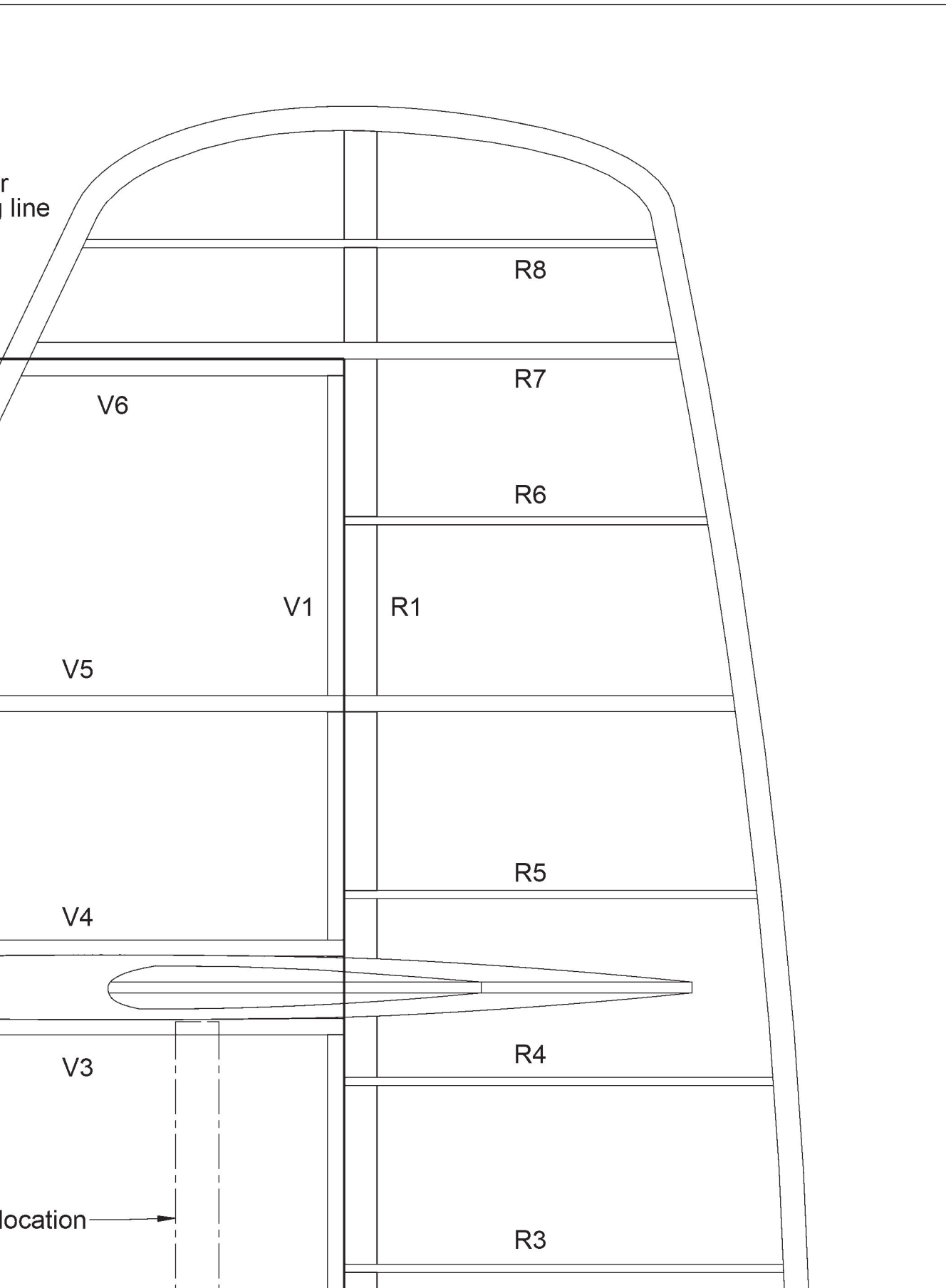




CABIN DETAIL:

Build the cabin roof after the fuselage is assembled.
 Use the detail drawing to the right as a guide.
 Use scrap balsa between the cabin roof form to create the outline for the windshield.
 Attach the Side Window Frames after the fuselage is covered.
 The windshield and side windows can be made from PET sheet.





PROTOTYPE SPECIFICATIONS

Wingspan	60"
Length	46.6"
Weight	56oz
Wing Area	558 sq in
Power	2315-880kV x 2
Propellor	10 x 7
Battery	3S 3300mAh 4S 2600mAh



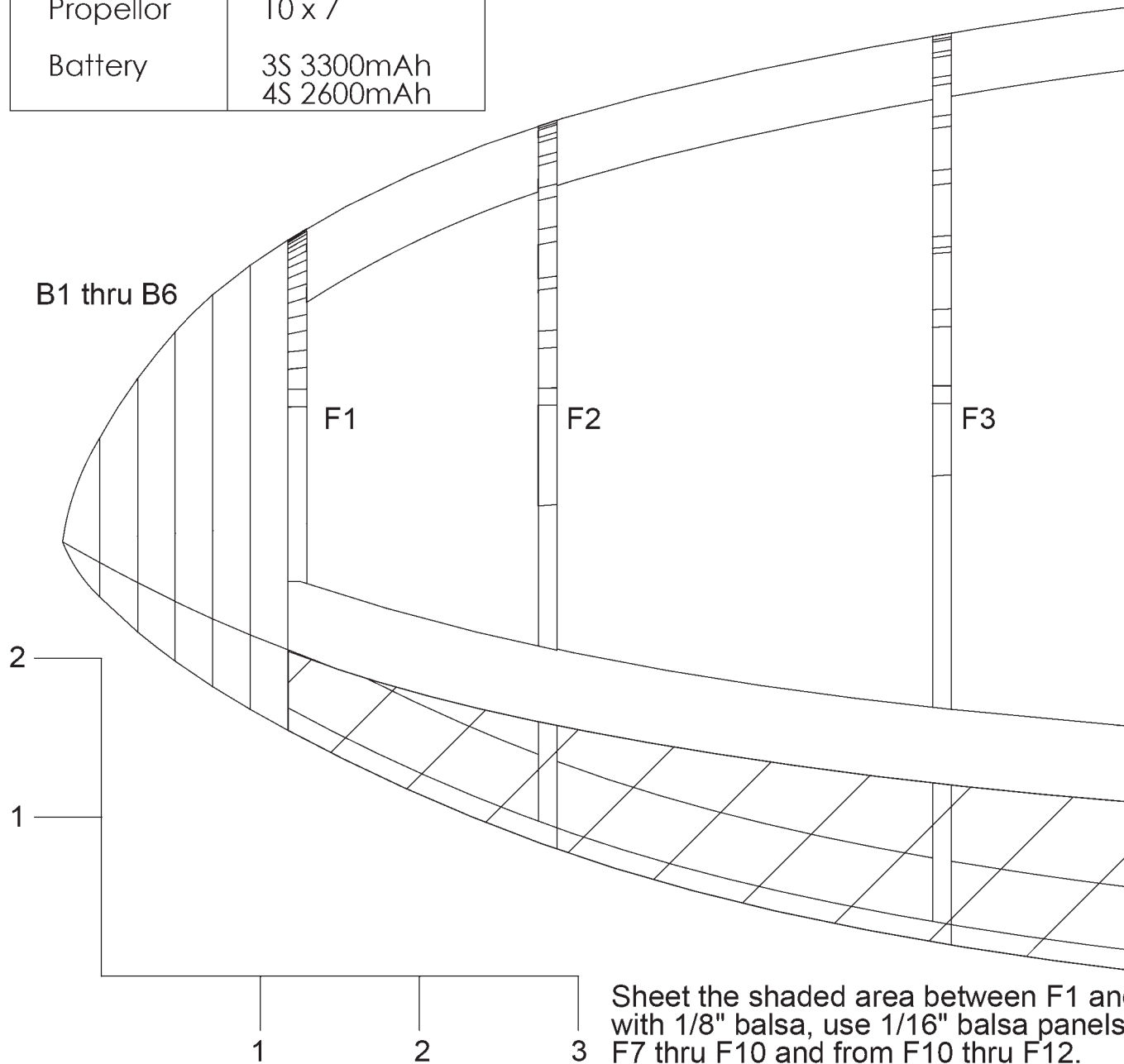
Copyright 2025

and

MODEL
AVIATION

Copying for resale of this drawing without
the written approval or consent of AMA
is expressly prohibited.

Free hatch by
stringers here



Make windshield
from PET sheet

cutting thru

N10

K1

WF

F4T

F4H

K9

K8

F4

F5

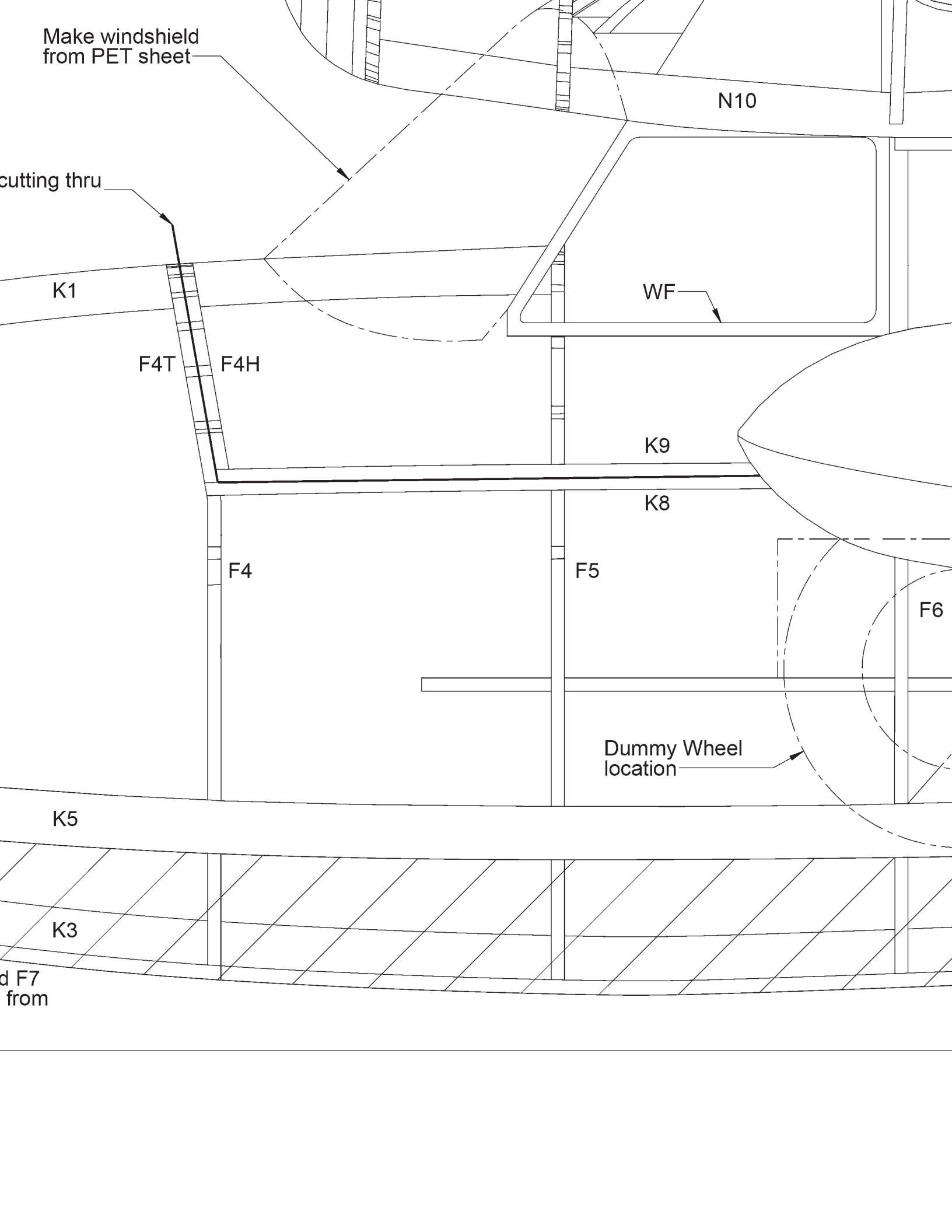
F6

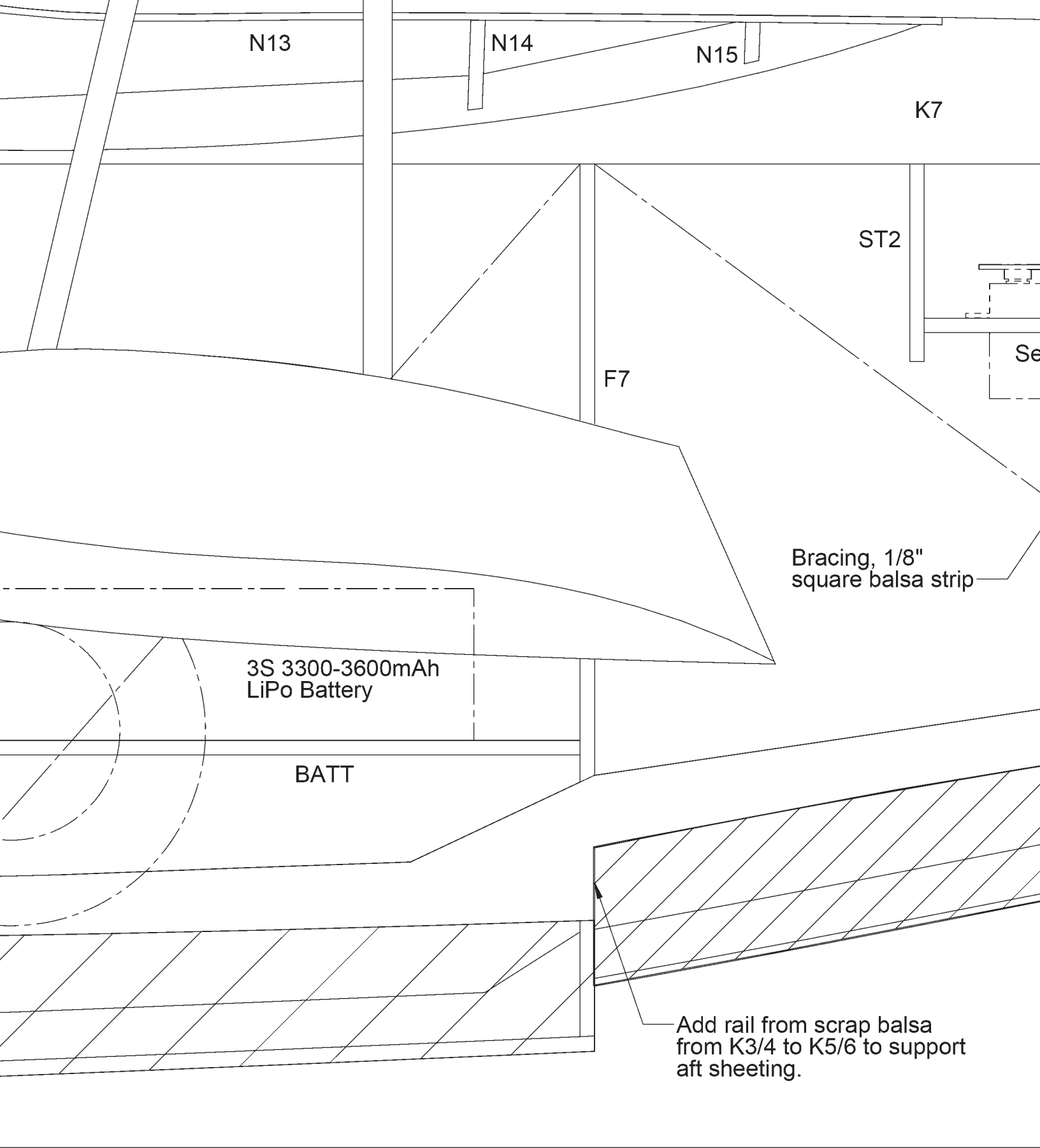
Dummy Wheel
location

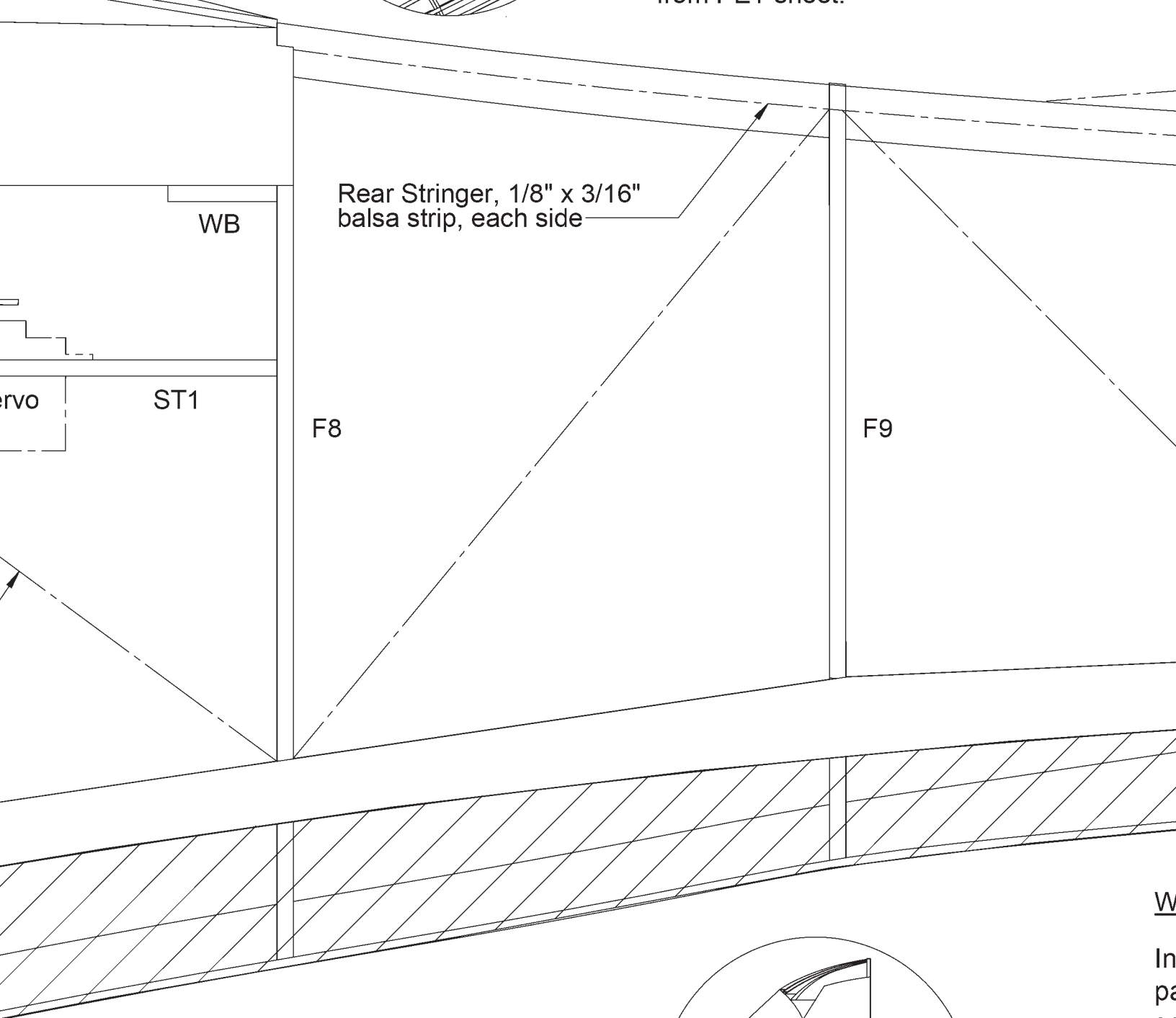
K5

K3

d F7
from



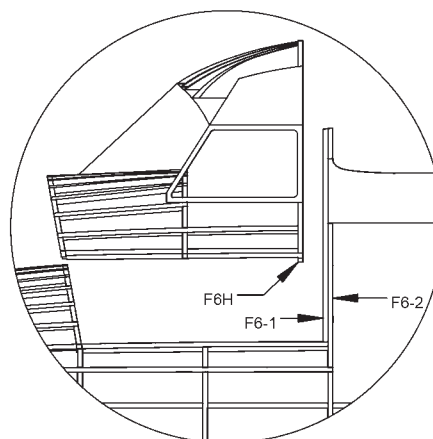




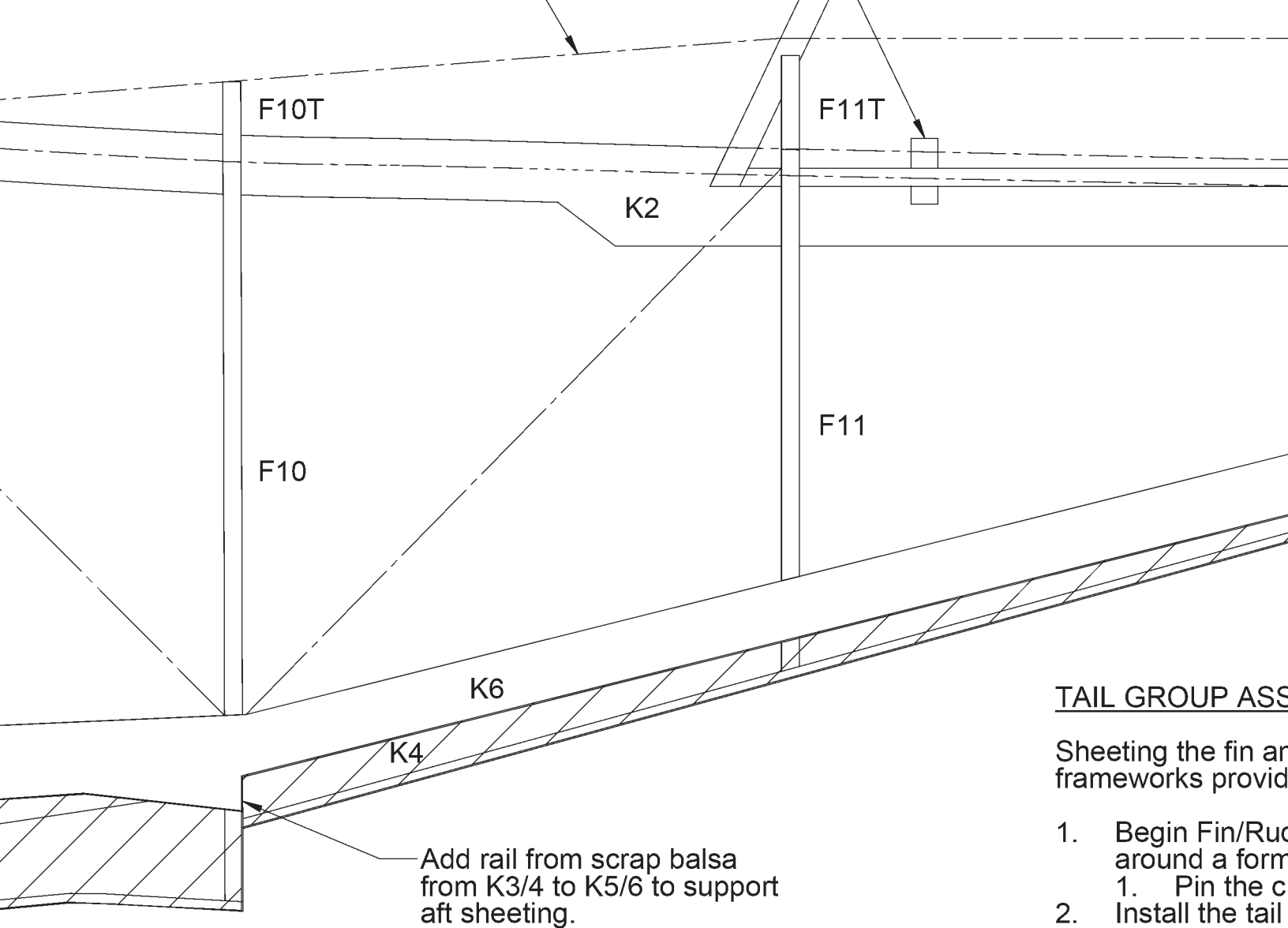
BATTERY HATCH:

After fuselage assembly is complete, cut stringers between Formers F4 and F4H, and between F6H and F6-1.

Carefully remove the cabin/hatch assembly. Use magnets and a locating pin to attach the hatch to the fuselage.

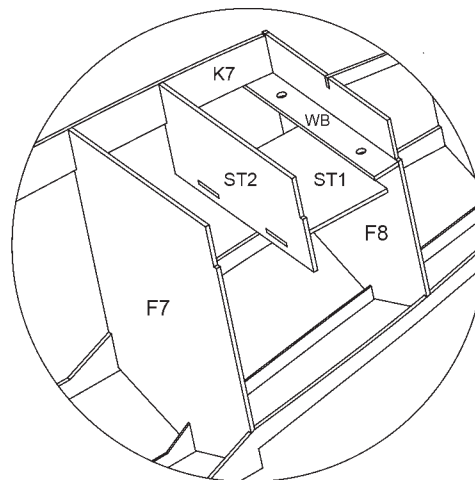


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WINGBOLT PLATE AND SERVO TRAY:

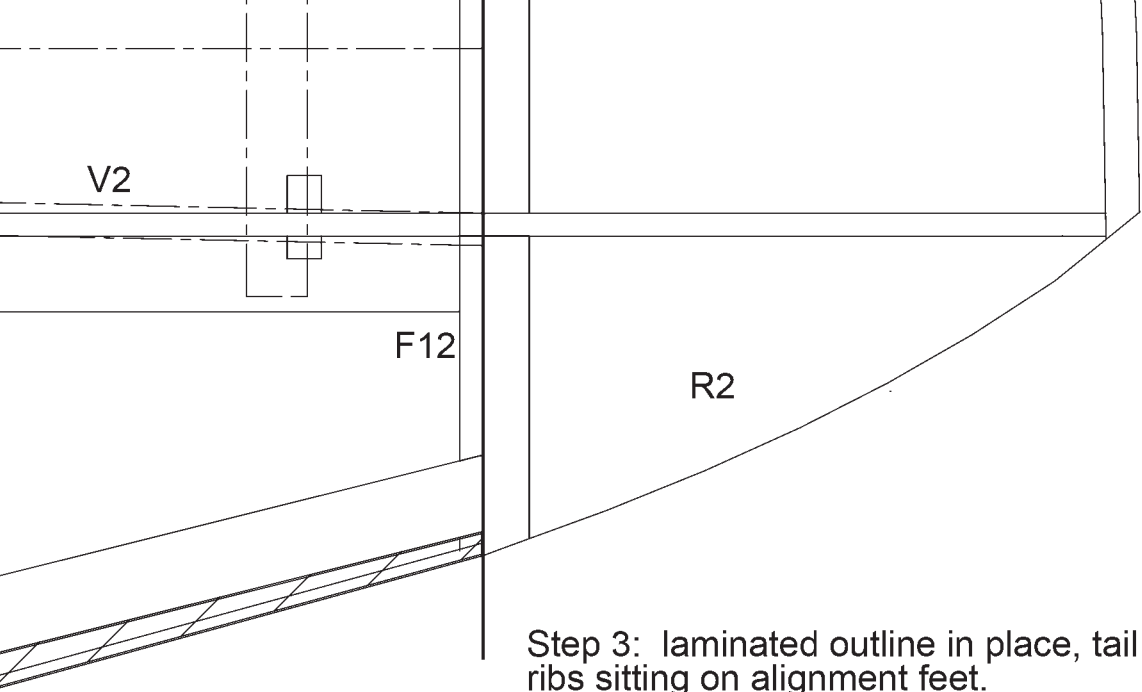
Install the Wingbolt Plate WB and Servo Tray parts after the formers, keels, and wing saddles are all in place (one Saddle deleted in inset drawing for clarity).
 Glue ST1 to Former F8, and then ST2 to ST1 and Saddles.
 Glue WB to F8 using notches to position; glue WB to Saddles.
 Glue epoxy nylon 1/4" x 20 nuts to the underside of WB to capture the Wingbolt Screws.



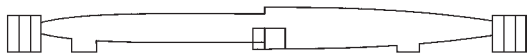
TAIL GROUP ASSEMBLY:

Sheeting the fin and keel frameworks provided:

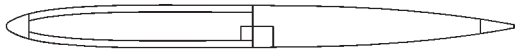
1. Begin Fin/Rudder sheeting around a form.
 1. Pin the corners.
2. Install the tail keel sheeting.
3. The feet on the keel should be square against the fin.
 1. Additional sheeting on the keel until the feet are square.
4. After the assembly is completed, seal the Fin and the Hstab by cutting the Hstab where shown on the drawing.
5. Sheet the upper Hstab with 1/16" balsa, pinned flat to the keel.
6. Unpin and remove the Hstab from the bottom.
7. Sheet the lower Hstab.
8. Sand to shape.



Step 3: laminated outline in place, tail group ribs sitting on alignment feet.



Step 7: alignment feet removed, sheeting in place, sanded to shape.



ASSEMBLY

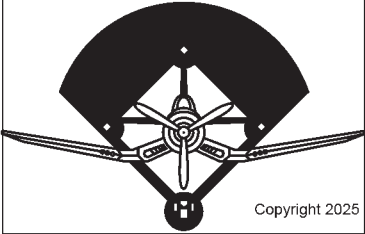
and horizontal stabilizer and covering the rudder and elevators as open
es durability with a scale appearance.

dder assembly by laminating their outline from three strips of 1/16" x 1/2" balsa

ured outlines into place over the plan.
group framework parts in numerical order.
any of these parts will hold the parts at the correct angles when the feet are
st the board.
ally, all of the Fin "V" and Hstab "H" parts have feet that lift them 1/16" up from
d--this will hold them in the correct position relative to the Rudder and Elevators
Fin and Hstab are sheeted.

mbly has been
parate the Rudder from
e Elevators from the
ng through the outlines
on the plan.
er side of the Fin and
6" balsa while they are
he board.
move the support feet
m of the tail group parts.
er Fin and Hstab.
e and install hinges.

Plans No. 1150

INFIELD ENGINEERING tm by Paul Kohlmann				
 Copyright 2025		Title 60" Grumman Widgeon		
		Size X	Dwg. No. G44 Widgeon.sldrw	Rev B
Laser cut kit available! www.infieldengineering.com		Scale: 1:1	Weight: 56-60oz	Sheet 1 of 4