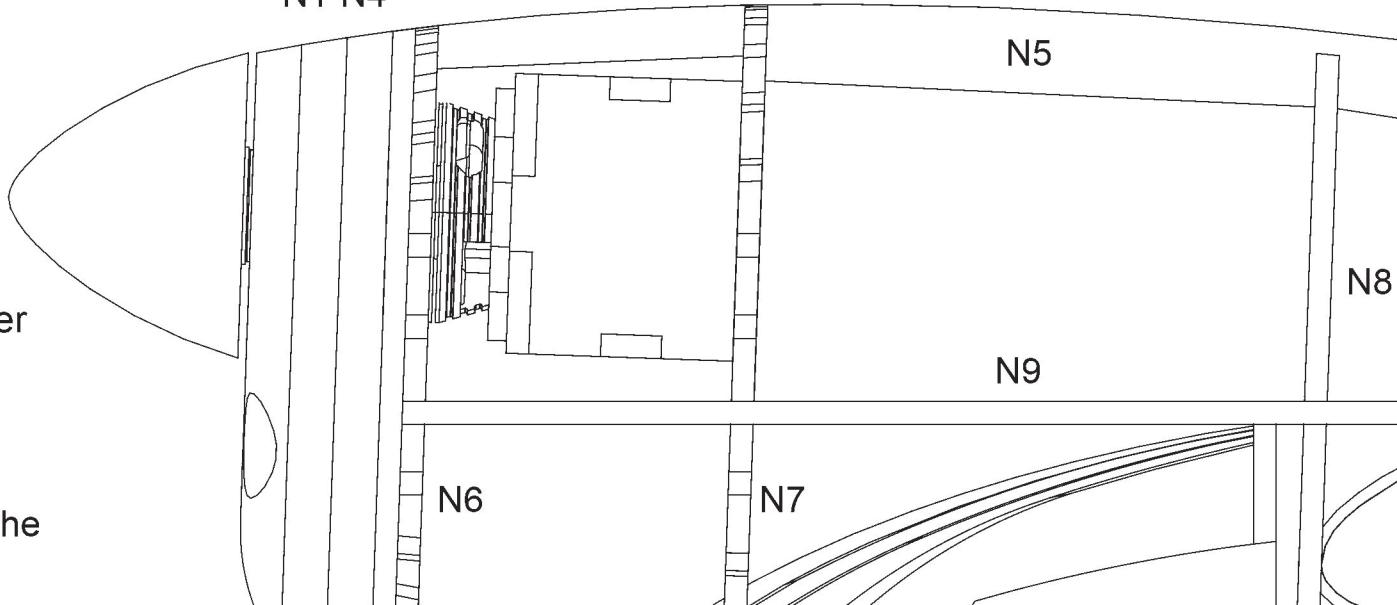


FUSELAGE--ASSEMBLY ORDER

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 m
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 the 3/16" balsa strip.
8. Hatch Rail K8--glue bottom side to Formers F4, F5, and
9. Hatch Rail K9--glue top side to Hatch Formers F4H, F5, Hatch Detail below).
10. Bracing--add 1/8" square braces diagonally between for
11. Sheet the bottom hull between F1 and F7 with 1/8" bals
12. Sheet the bottom hull from F7 to F10, and from F10 to F
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 halves.
16. Servo Tray parts ST1 and ST2, and Wing Bolt Pad WB-
Servo/Wing Bolt Detail below).
17. Stringers--1/8" x 3/16" balsa strip stock.
 1. Dampen the stringers with water and alternate the side to side to avoid warping the fuselage structure
18. Nose Block--stack and glue parts B1 thru B6 using hole
19. Cabin--see Cabin Detail to right.
20. Fin Fairing--after covering, glue parts F10T and F11T in cardstock or 1/16" balsa to create fairing between fusela

N1-N4



printed spinner
giverse.com.

ITY (Cg)

or 67mm from the
This is 24%

atching outlines.

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

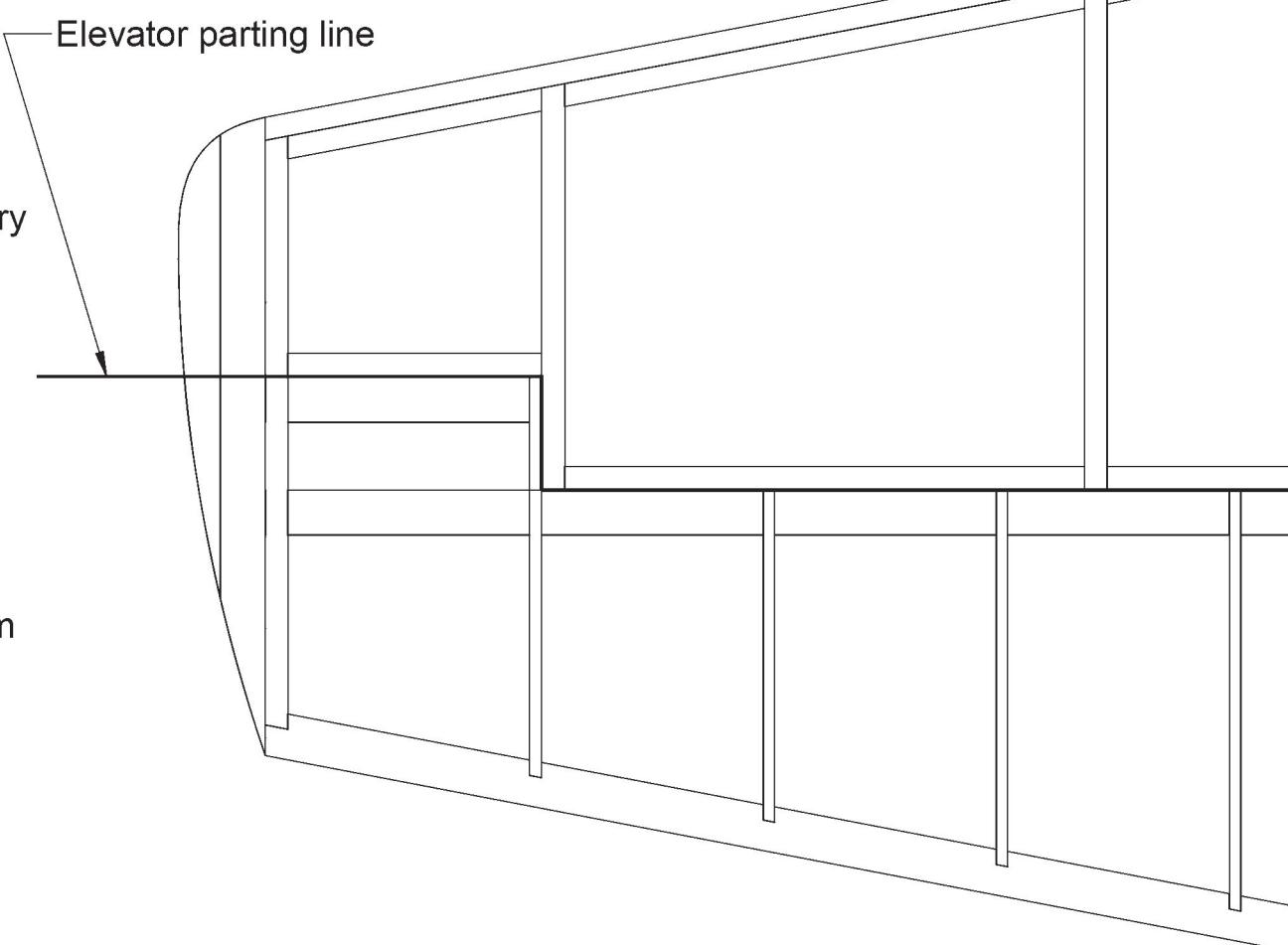
--use "b" former

--glue to F8 (see

installation order from
to align, glue to F1.

to place. Use
age and tail fin.

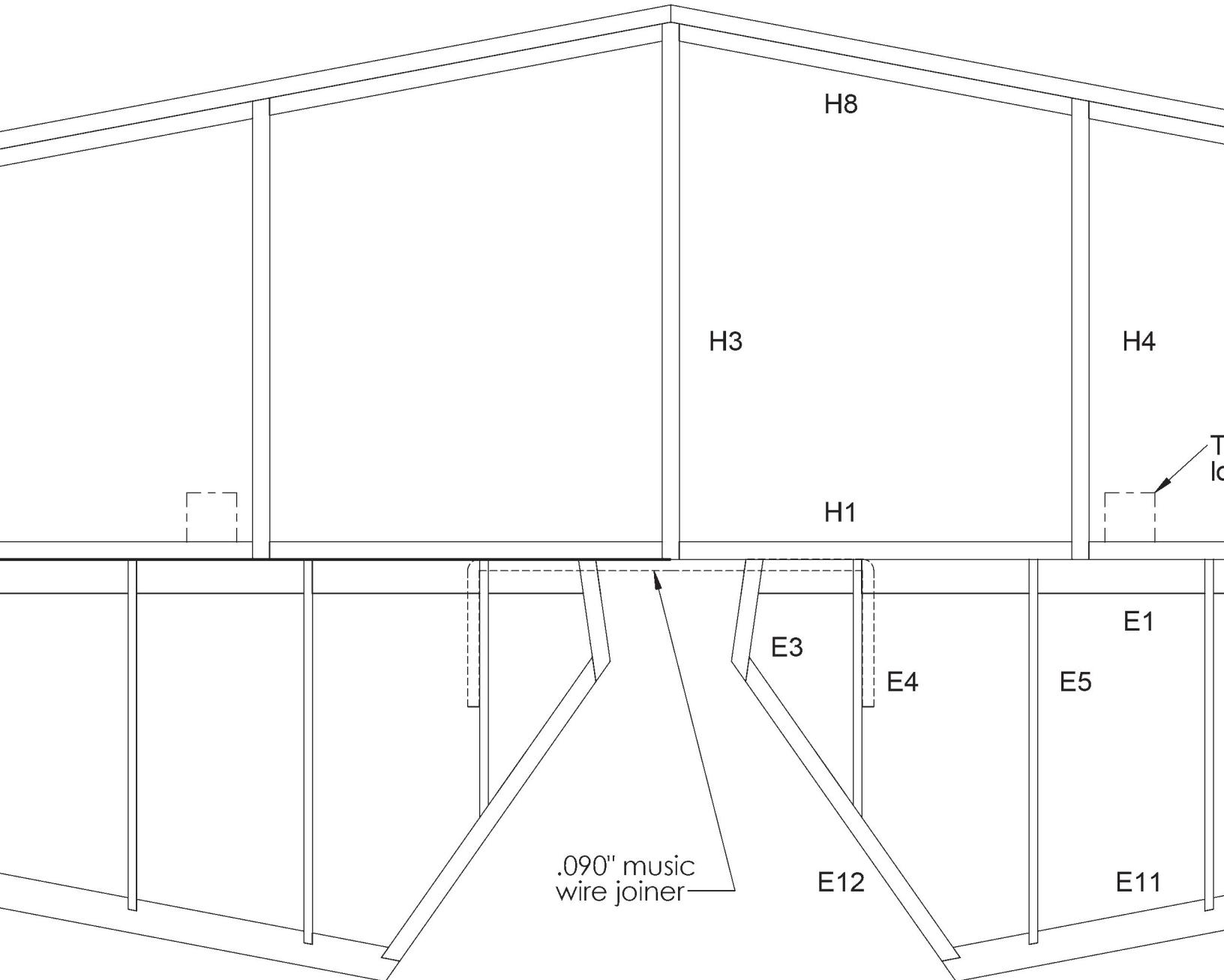
Elevator parting line



N11

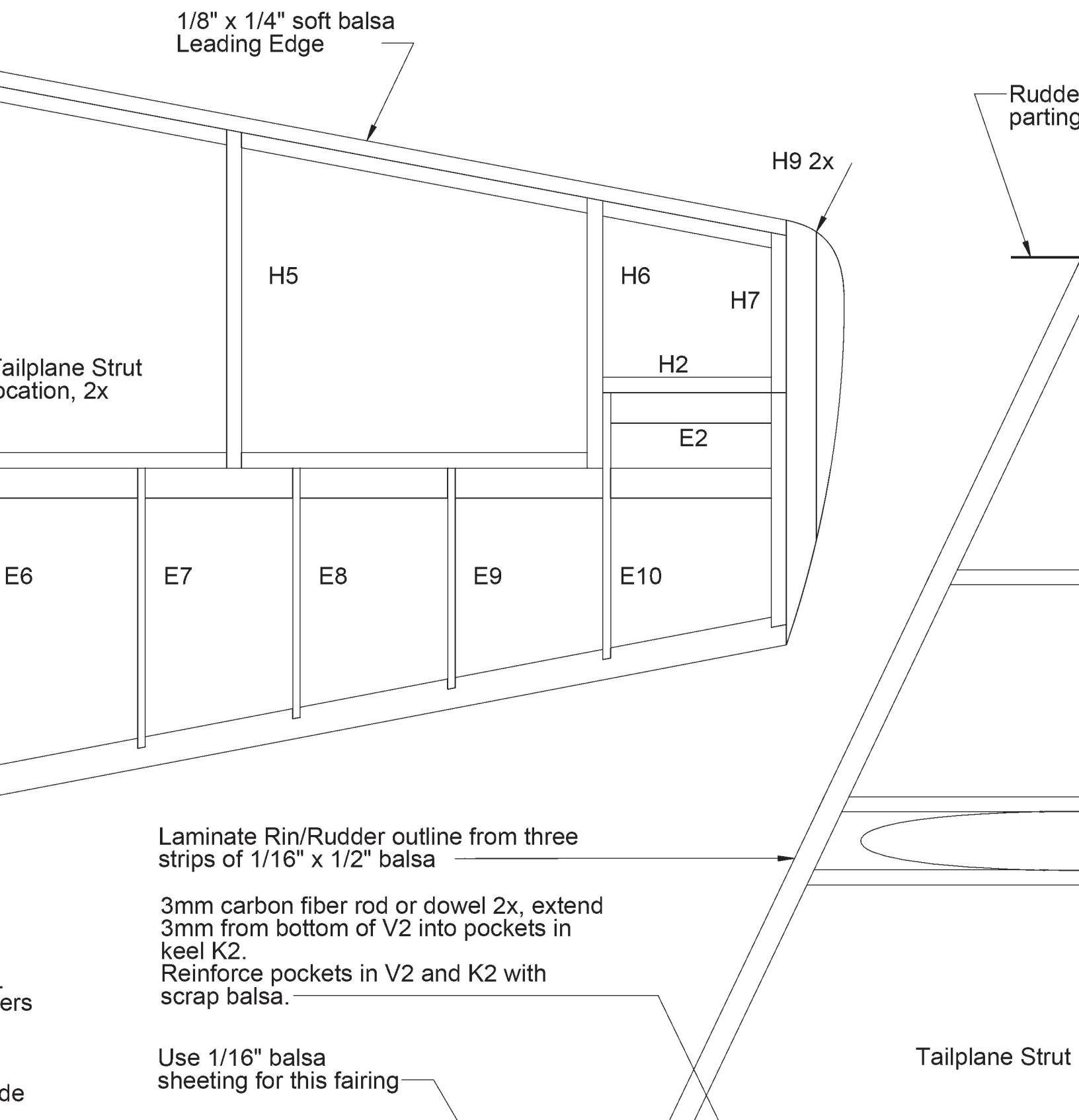
N12

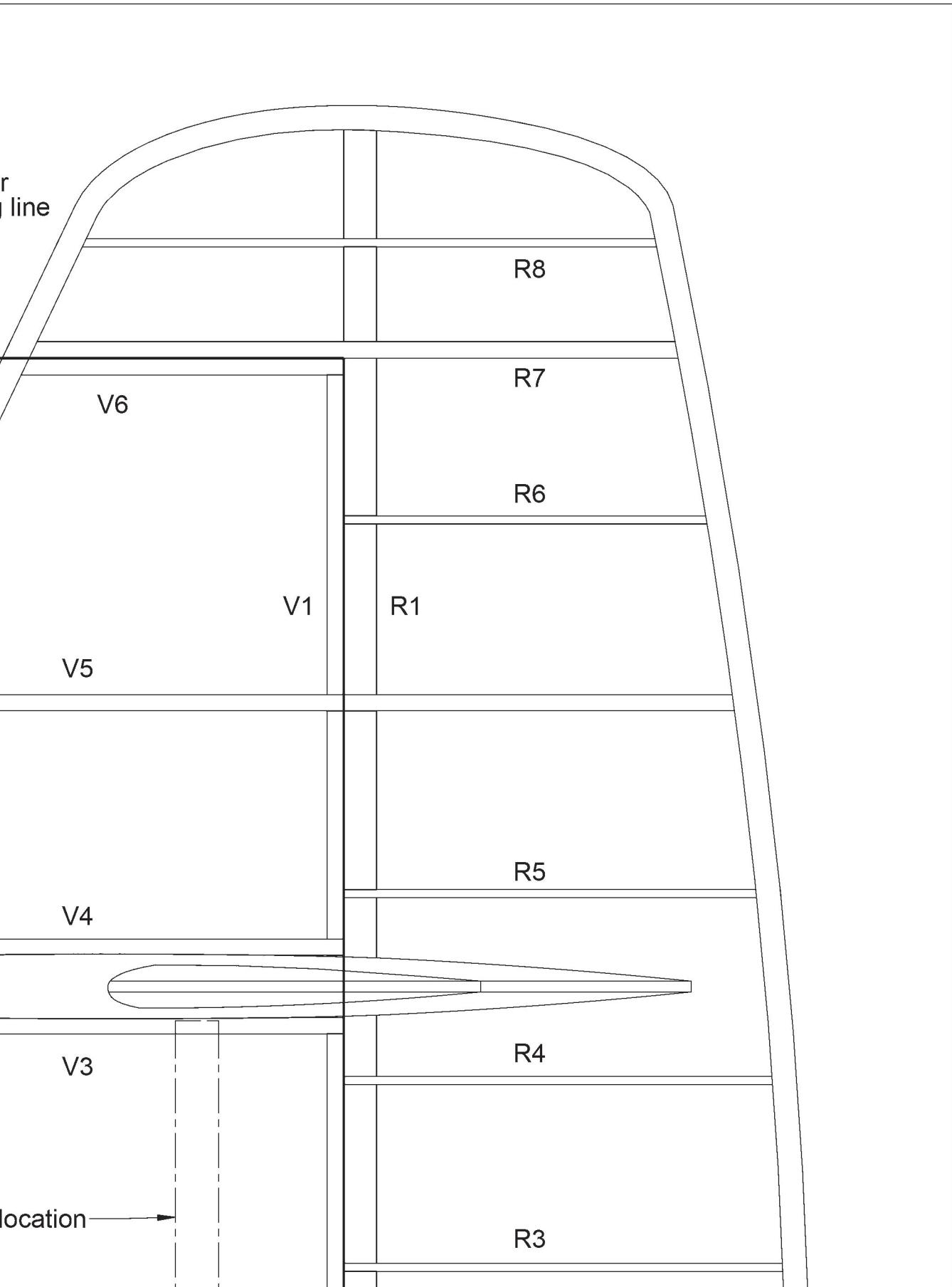




CABIN DETAIL:

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

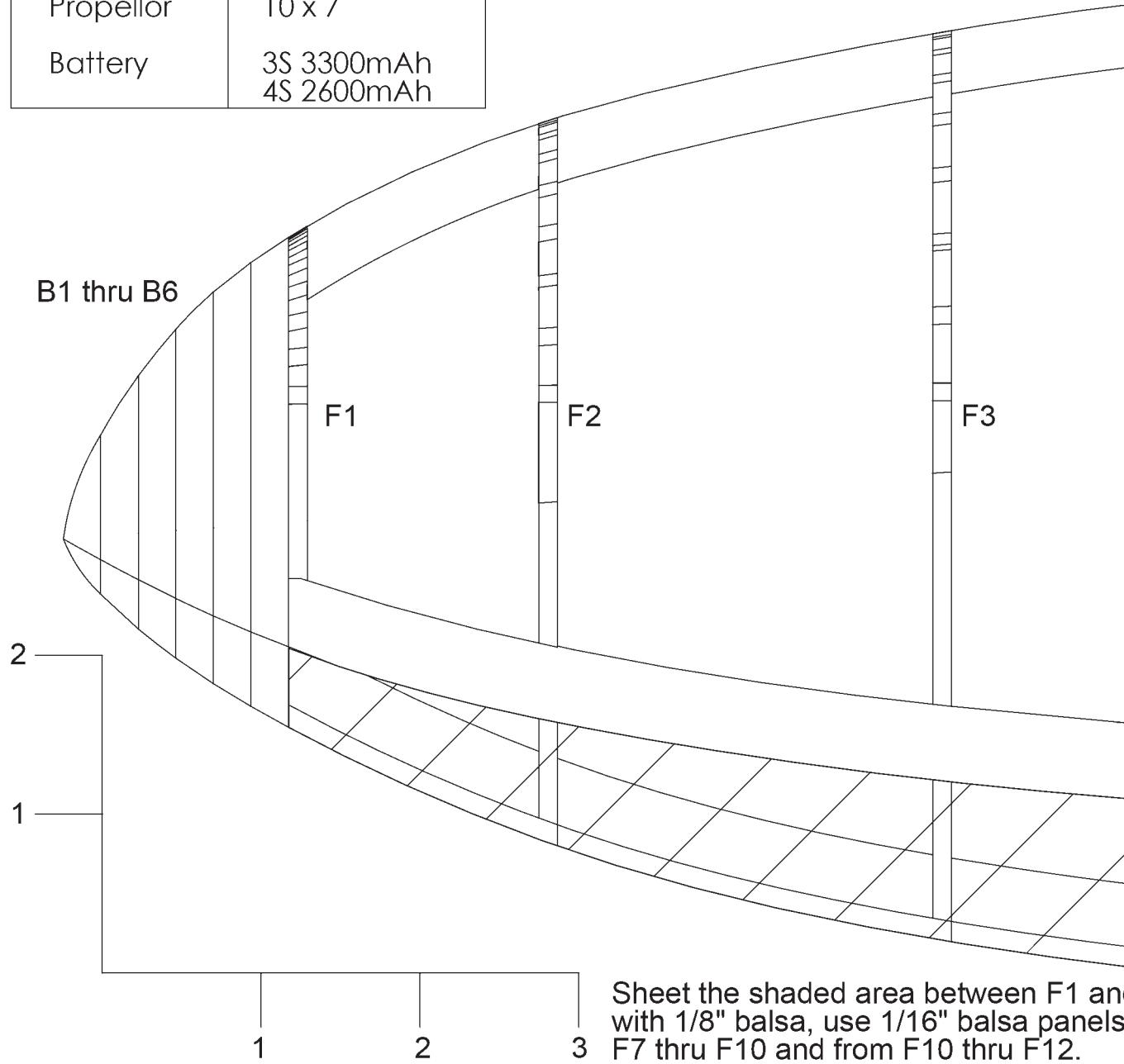
Copyright 2025

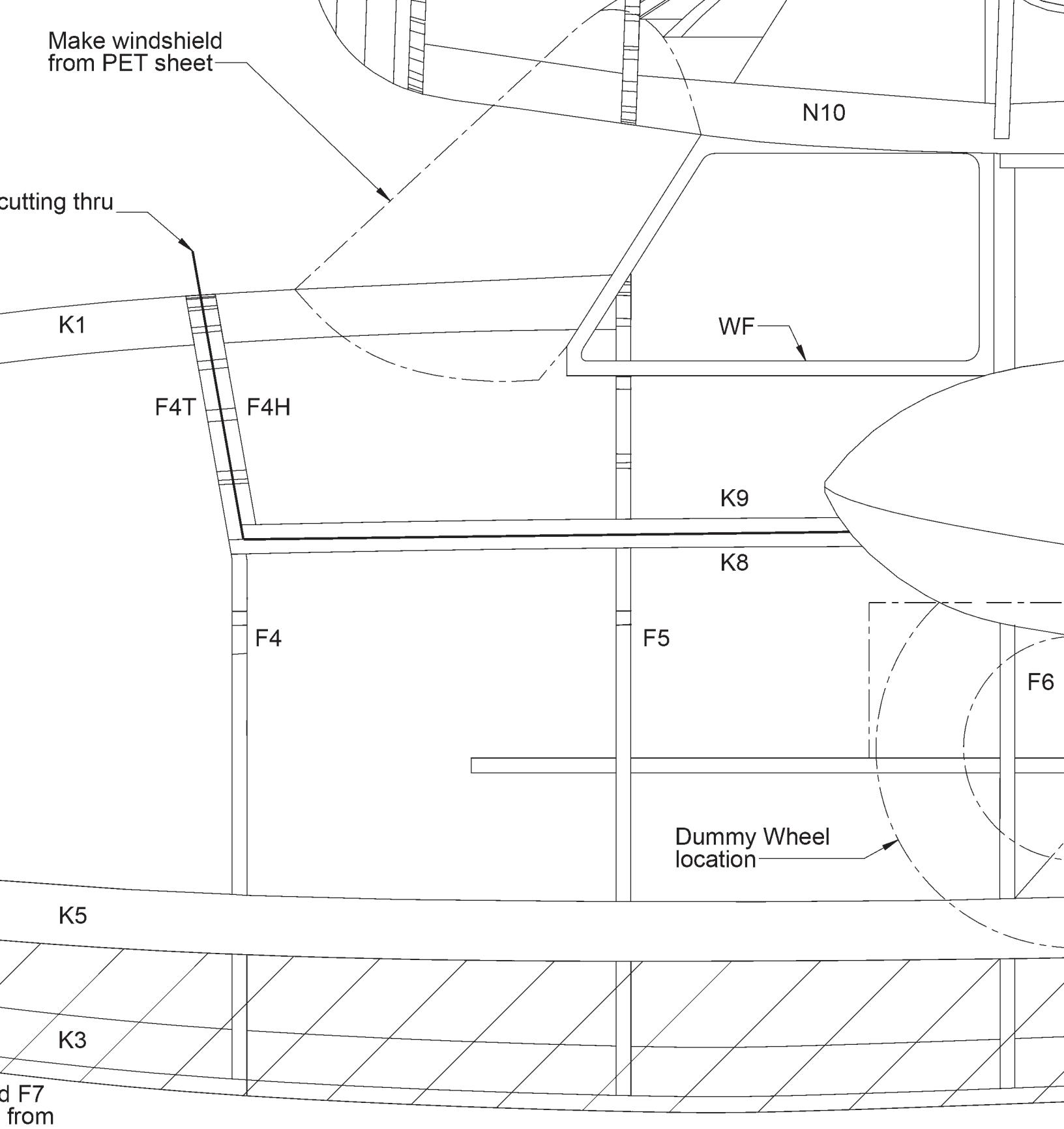


and MODEL AVIATION

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

Free hatch by
stringers here





N13

N14

N15

K7

ST2

F7

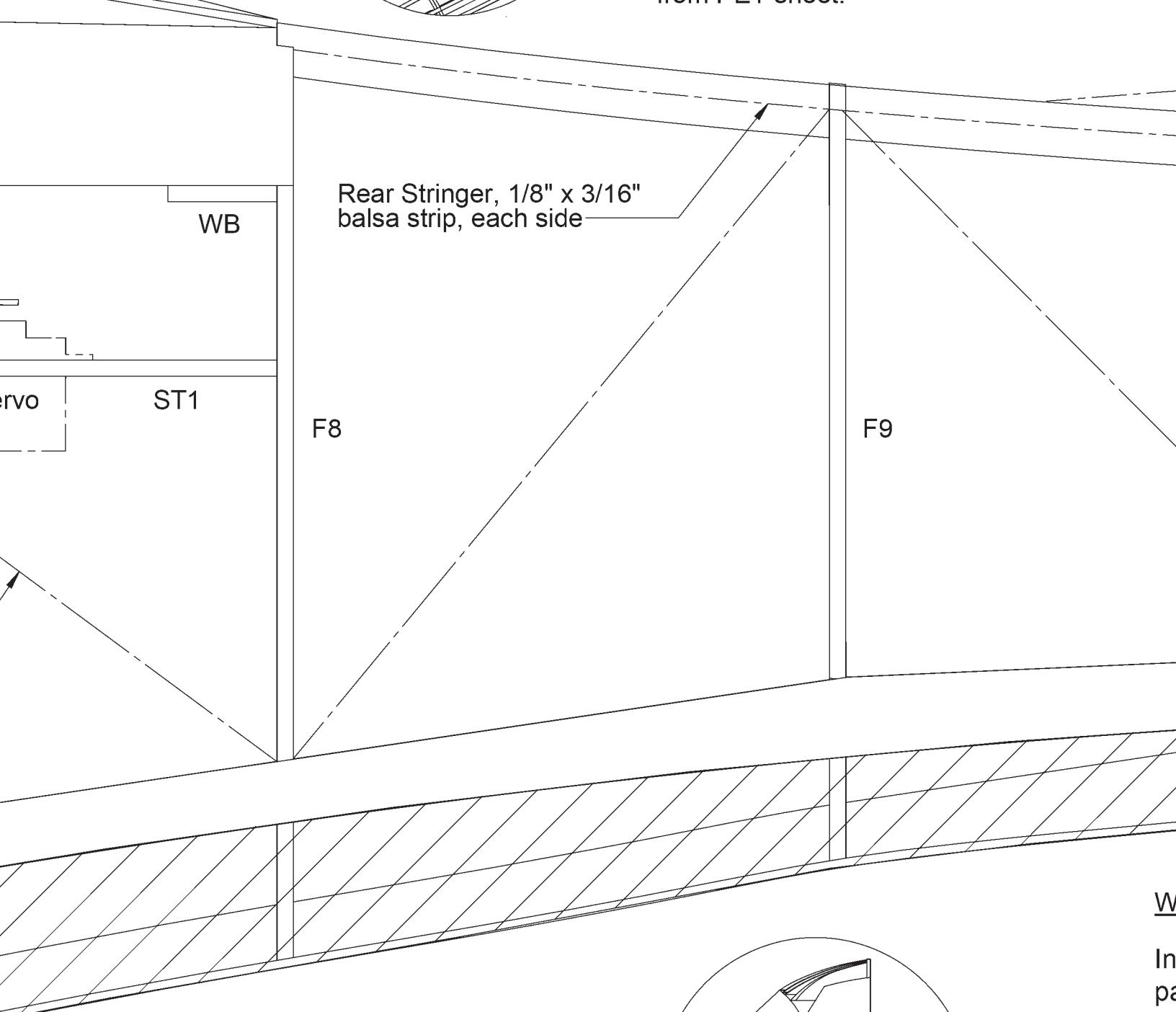
Se

Bracing, 1/8"
square balsa strip

3S 3300-3600mAh
LiPo Battery

BATT

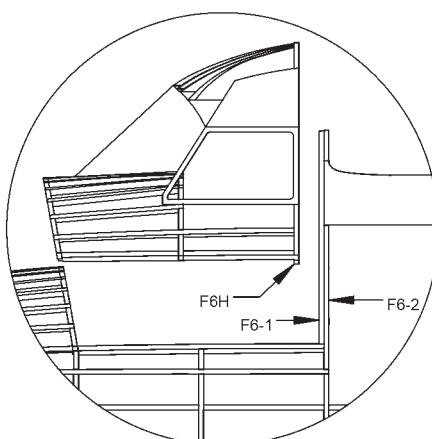
Add rail from scrap balsa
from K3/4 to K5/6 to support
aft sheeting.

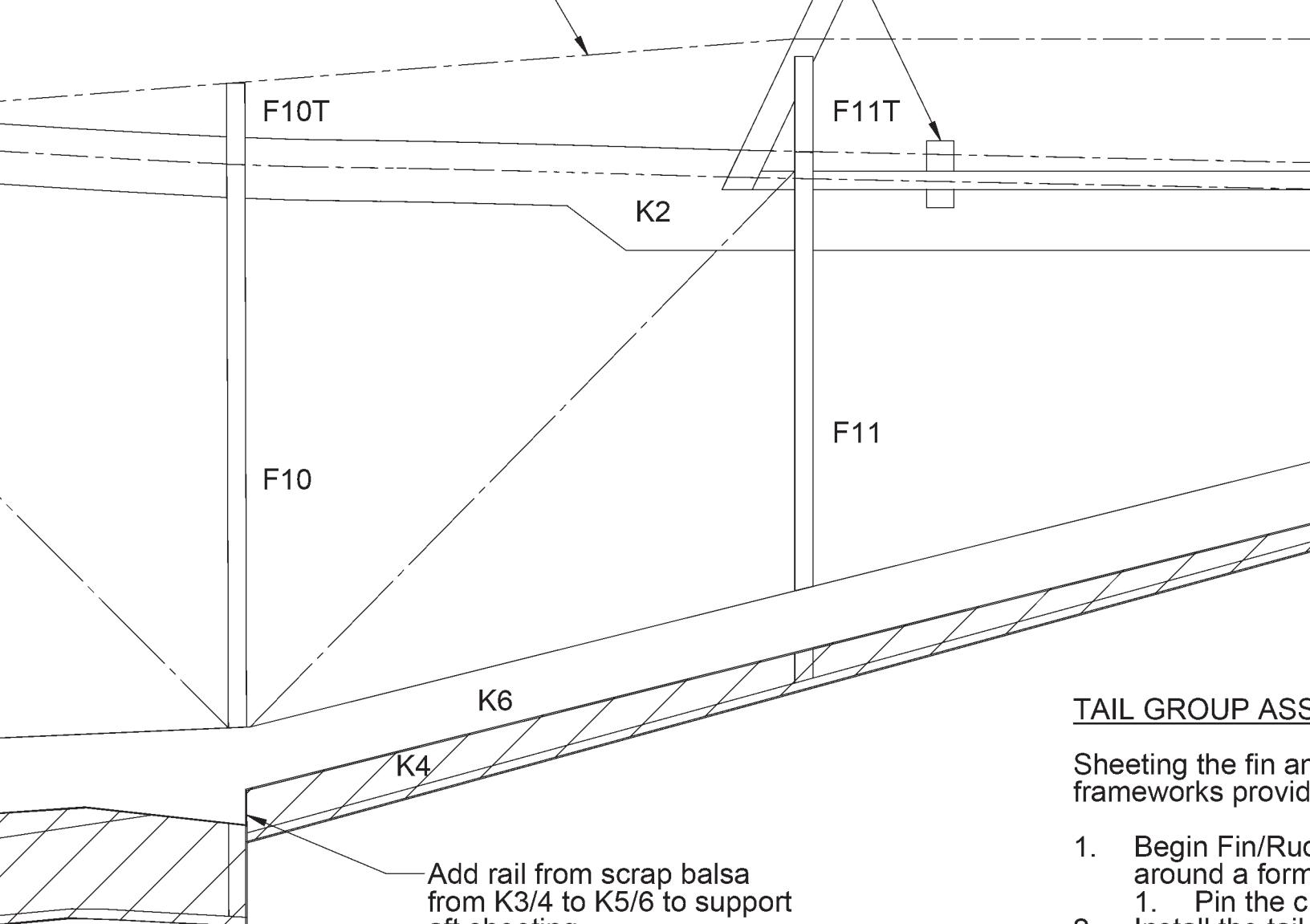


BATTERY HATCH:

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.





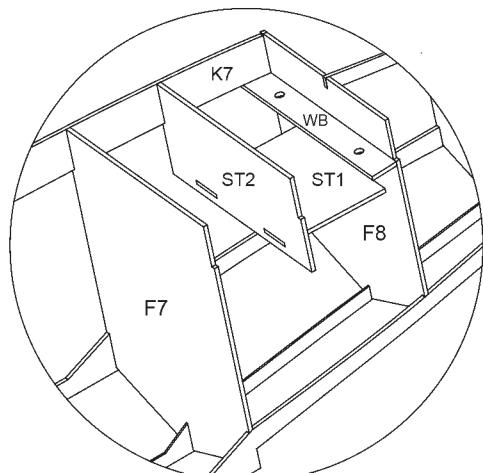
WINGBOLT PLATE AND SERVO TRAY:

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

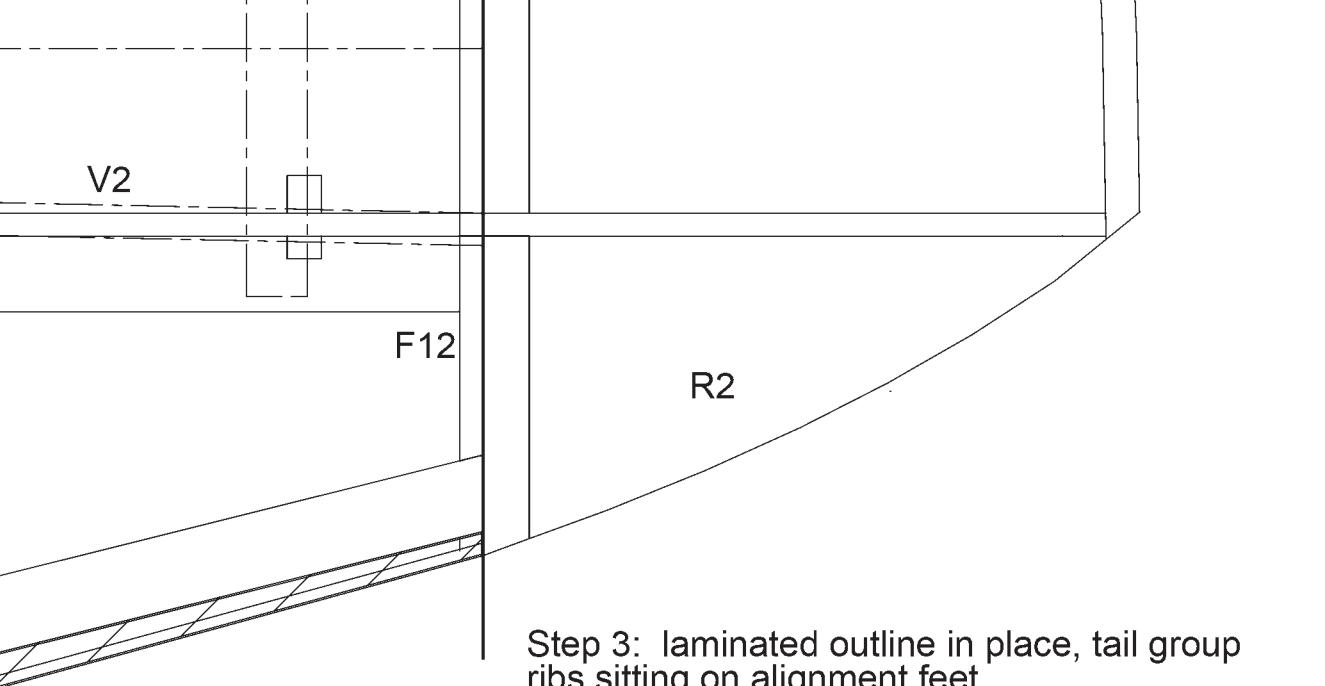
Glue epoxy nylon 1/4" x 20 nuts to the underside of WB to capture the Wingbolt Screws.



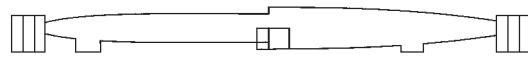
TAIL GROUP ASS

Sheeting the fin and frameworks provided

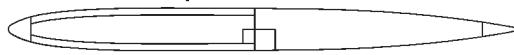
1. Begin Fin/Rudder assembly around a former. 1. Pin the center of the fin to the former.
2. Install the tail keel. The feet on the keel should be square against the former.
3. Add a rail from scrap balsa from K3/4 to K5/6 to support aft sheeting.
4. After the assembly is completed, separate the Fin and the Hstab by cutting along the line where shown on the drawing. Sheet the upper surface of the Hstab with 1/16" balsa pinned flat to the former.
5. Unpin and remove the Hstab from the bottom of the fin.
6. Sheet the lower surface of the Hstab.
7. Sand to shape.
8. Repeat for the other side.



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.

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

lured outlines into place over the plan.

group framework parts in numerical order.

many 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.

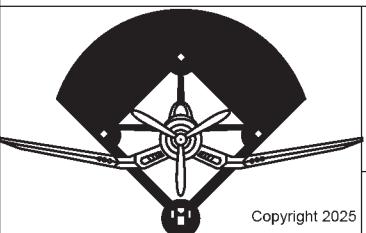
mbly has been

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		
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	60" Grumman Widgeon	
Size X	Dwg. No. G44 Widgeon.sldrw	Rev B
Scale: 1:1	Weight: 56-60oz	Sheet 1 of 4
Laser cut kit available! www.infieldengineering.com		