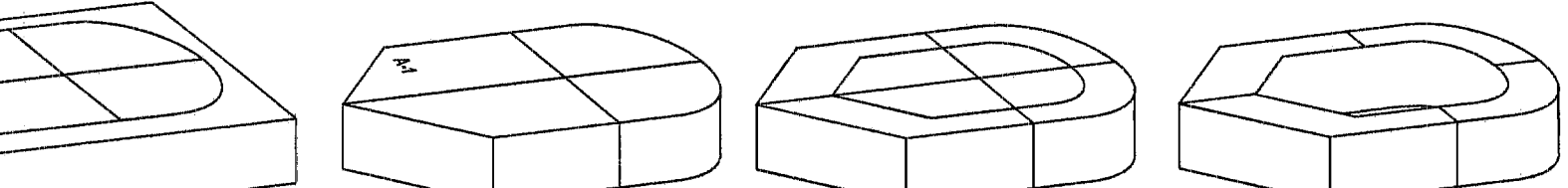
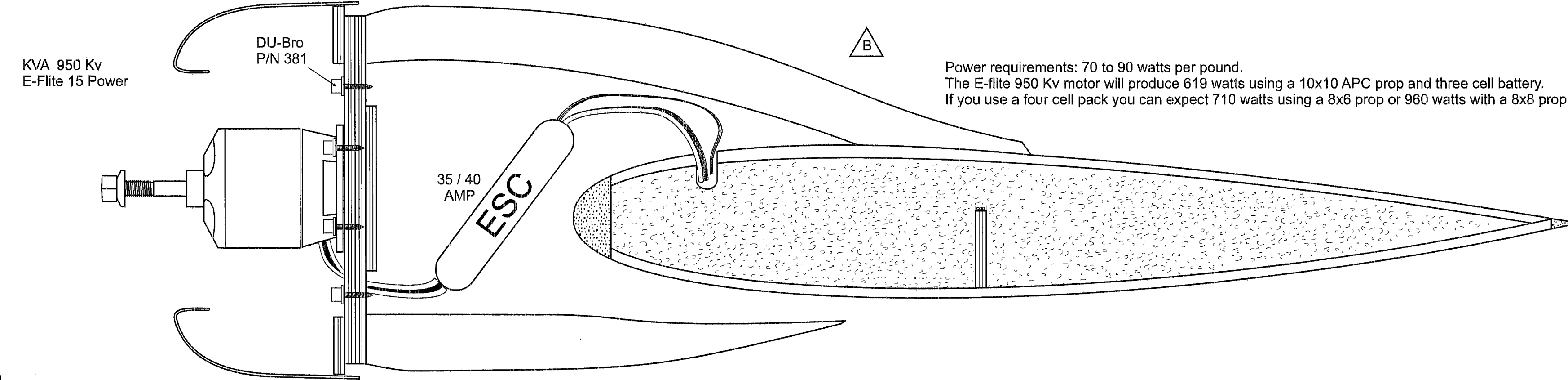
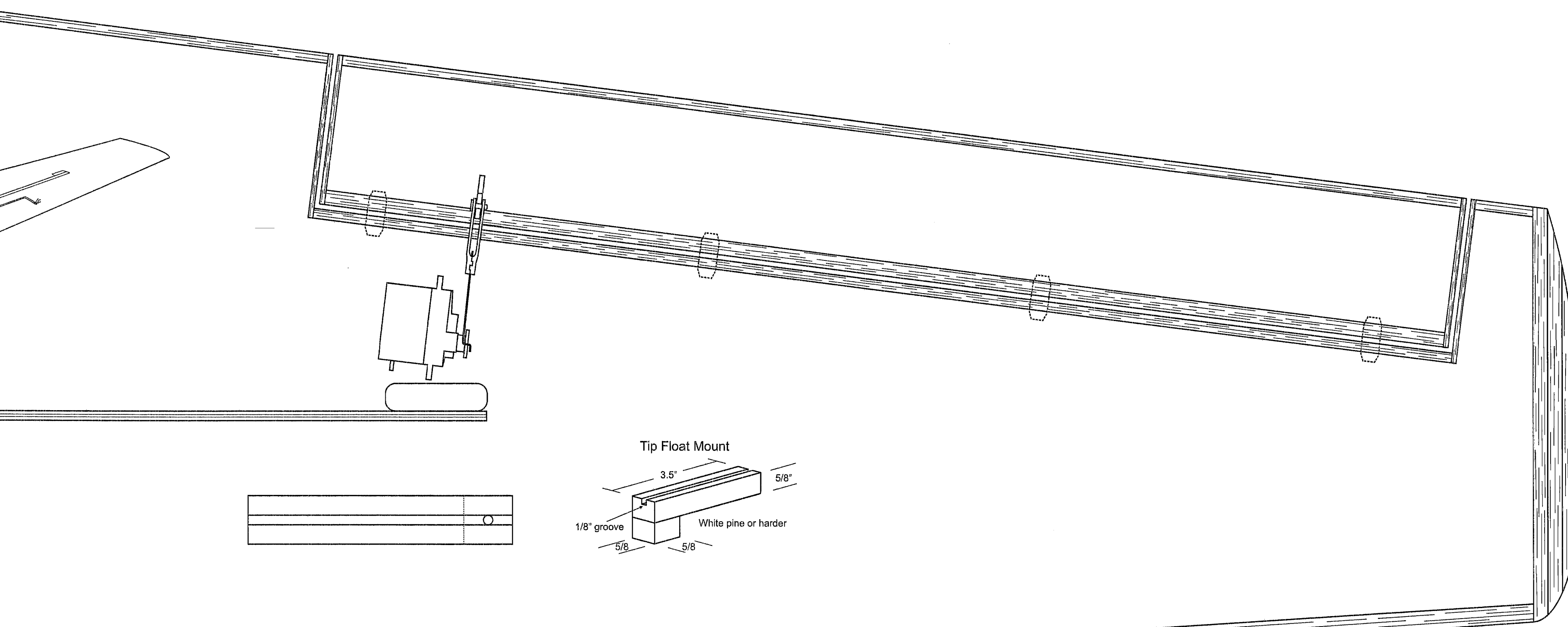
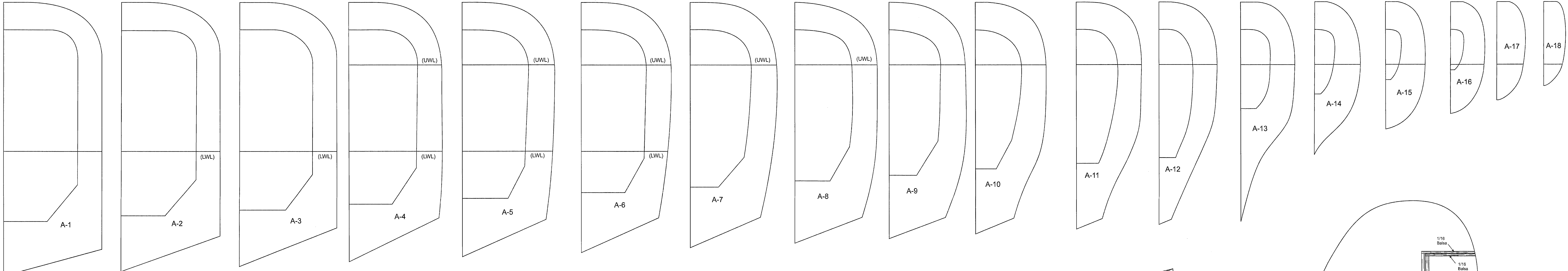


Outboard
Nacelle
Pattern

Cut from 1 1/2 thick
Extruded foam.
Make two

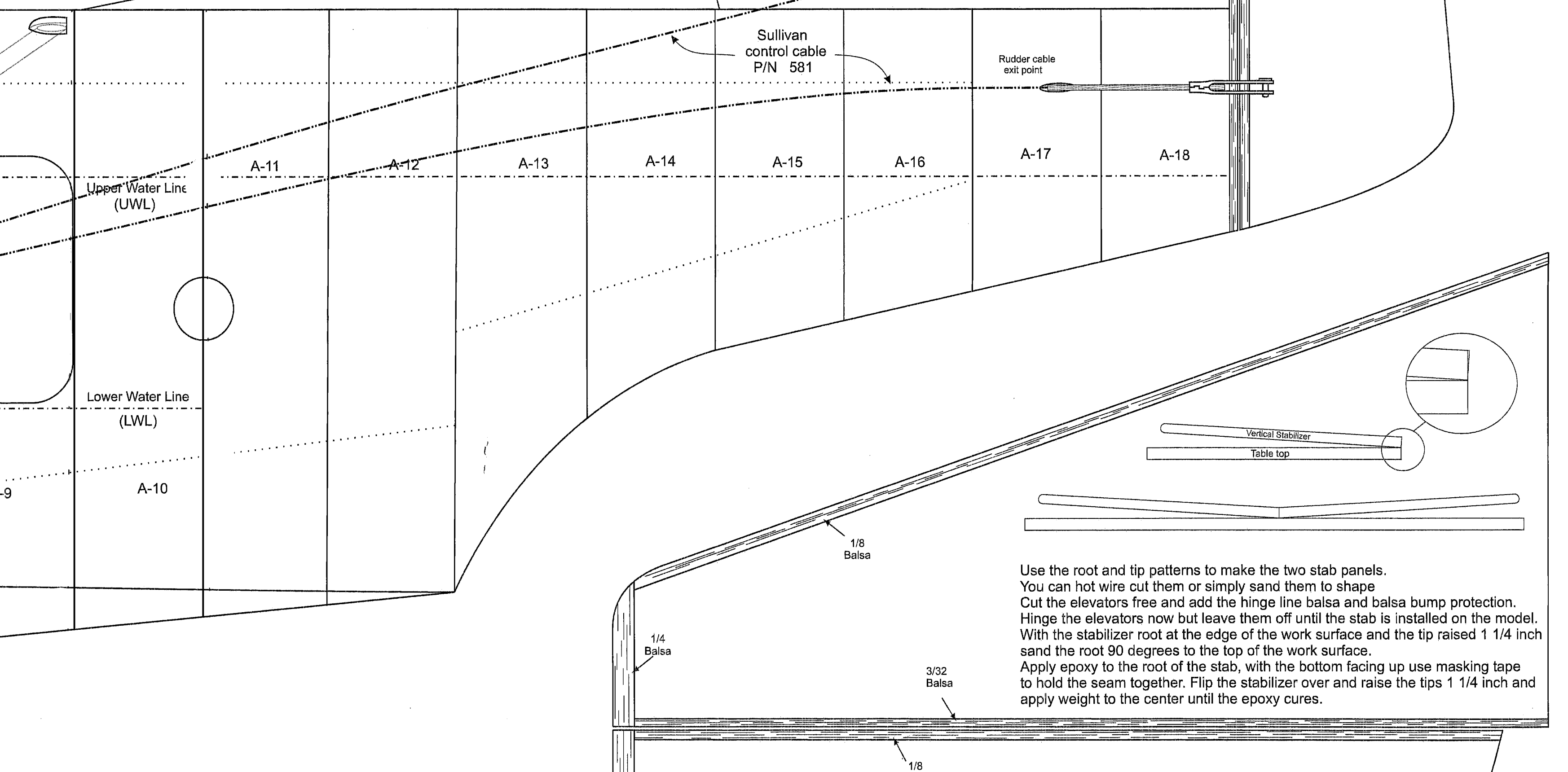
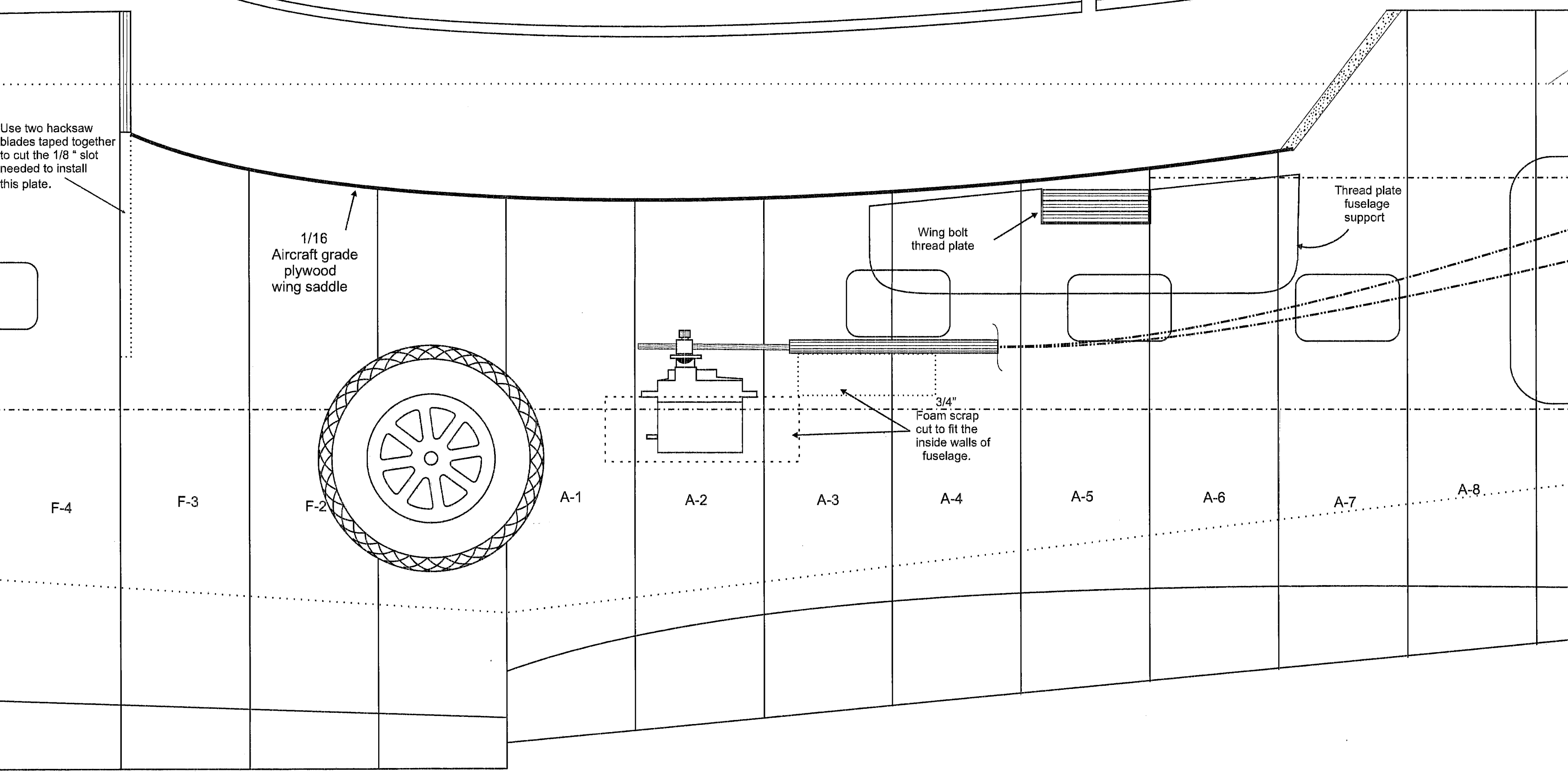
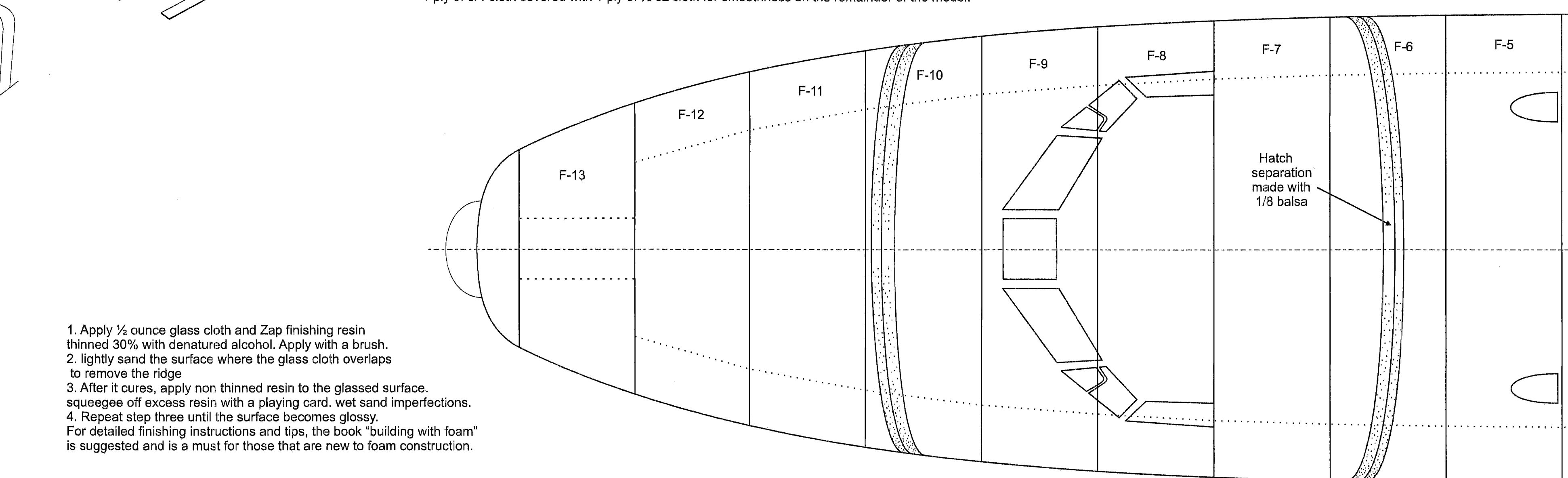
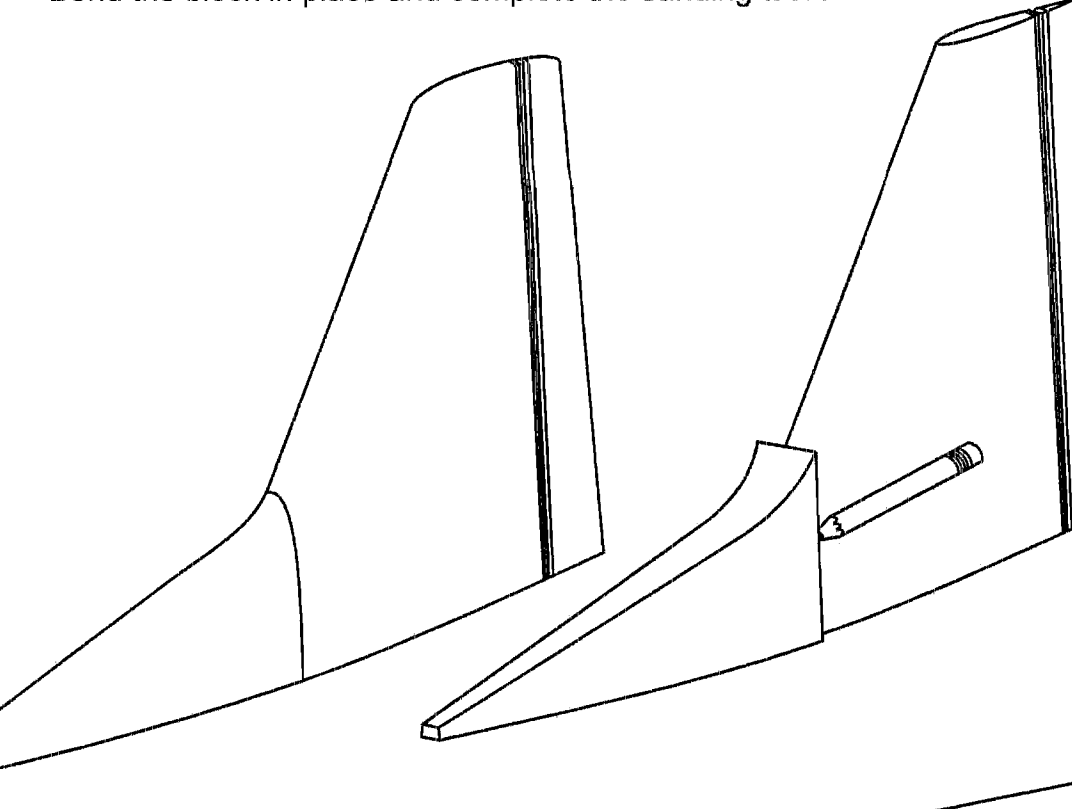
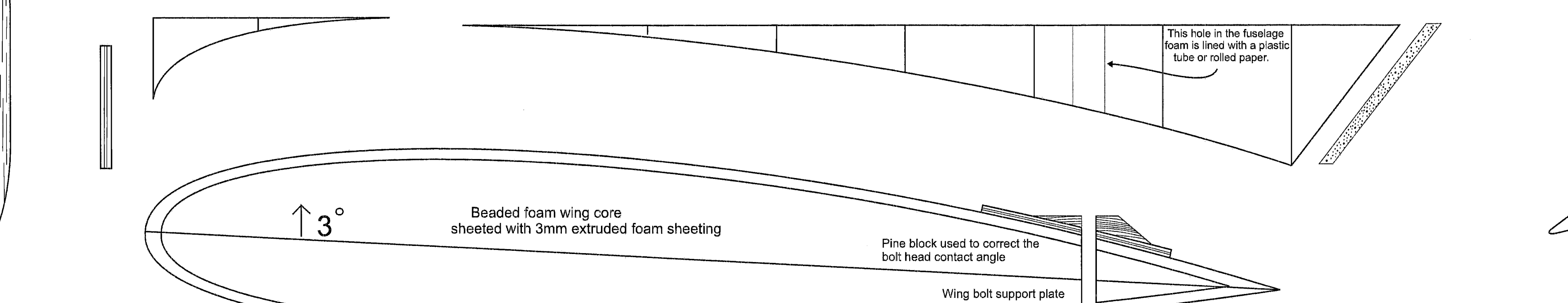
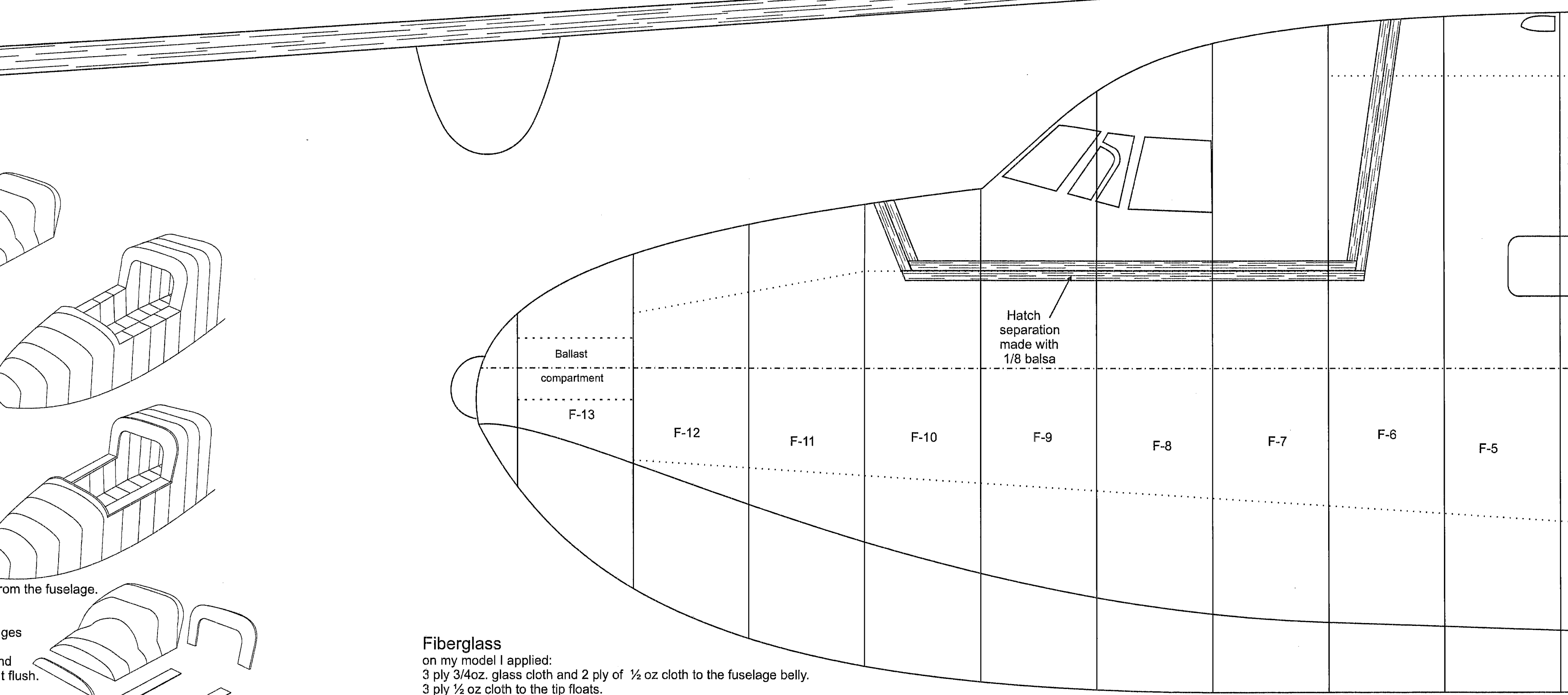
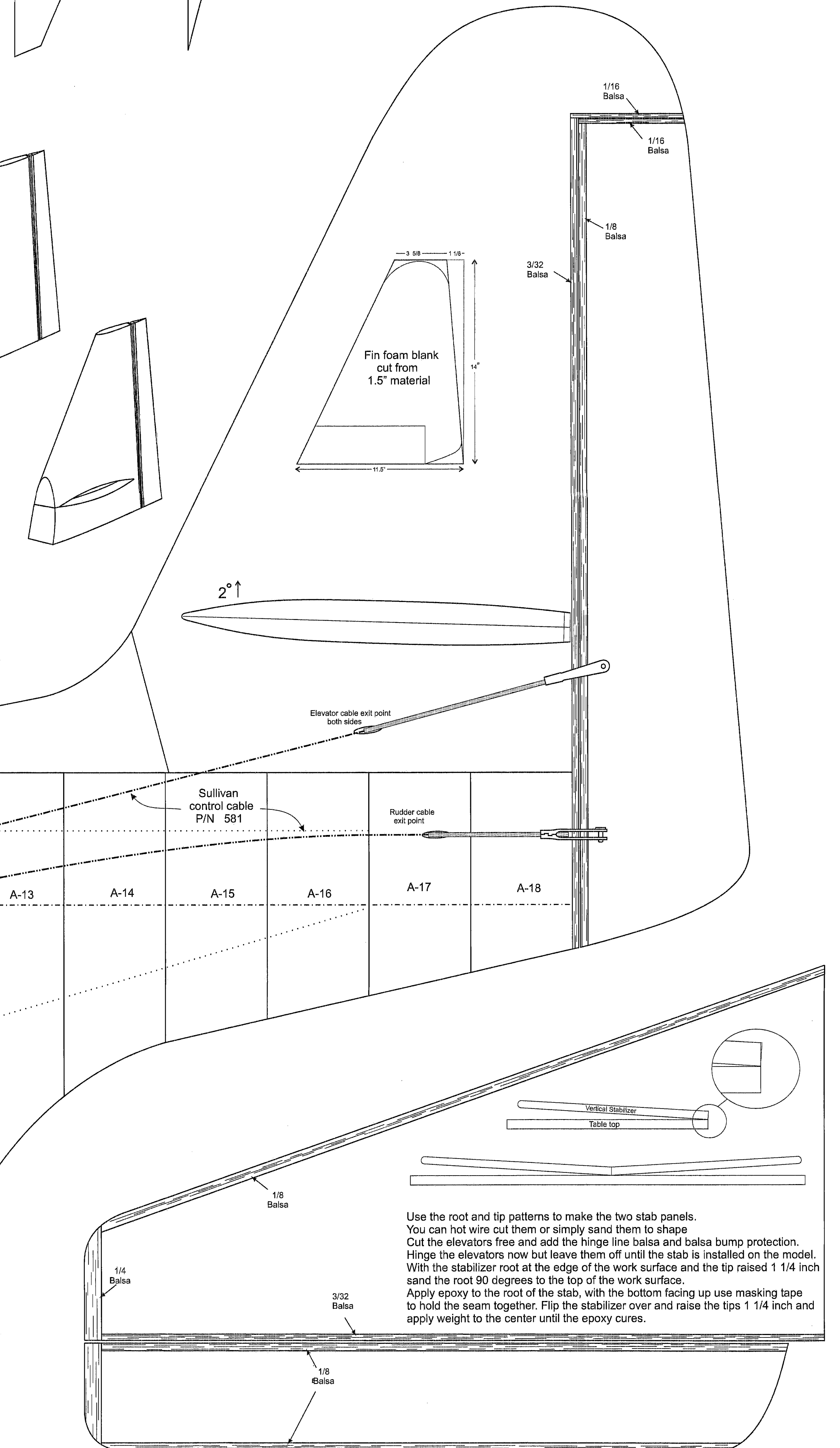


segments of the fuselage taper, the part numbers start at the widest point at the middle and get higher toward the end.
and mistakes in assembly and insures a constant skin thickness of 3/4 inch. Following a few rules while cutting the
keep you out of trouble.
in block with the outside trim line only. This side gets the part number
out and use the pattern to mark the inside trim line on the other side.
assemble the segments, All part numbers face forward, forward part numbers face aft.



Power requirements: 70 to 90 watts per pound.
The E-File 950 Kv motor will produce 619 watts using a 10x10 APC prop and three cell battery.
If you use a four cell pack you can expect 710 watts using a 8x8 prop or 960 watts with a 8x8 prop.

Use the fin patterns to cut the vertical fin.
Add the balsa hinge gap and hinge material for the rudder.
Cut the tip from the fin at the location on the side view.
Cut a hole in the fin using the vertical stabilizer root pattern.
Bond the fin to the fuselage then bond the stabilizer
to the fin. Note: if the rudder is not installed the slot
in the fin can be opened a bit to ease installation of
the stabilizer.
Use the side and top view pattern to cut a foam block for the front of the fin.
Mark the block using the fin as a pattern and sand to match.
Bond the block in place and complete the sanding task.



Fiberglass
on my model I applied:
3 ply 3/4oz. glass cloth and 2 ply of 1/2 oz cloth to the fuselage belly.
3 ply 1/2 oz cloth to the tip floats.
1 ply of 3/4 cloth covered with 1 ply of 1/2 oz cloth for smoothness on the remainder of the model.

The cabin vents can
be functional if you
bore a hole thru the
fuselage skin with a
sharped 3/8" brass
tube before the plastic
vent is installed.
See the side view.

Notice
Thick Styrofoam sold in sheets shrinks at
different rates. Sometimes as much as
roughly 1/16 inch during manufacturing.
The segment spacing on this drawing has
not allowed for this inconsistency.
This could change the total length of your model

HU-16 Albatross			
Designed and drawn by Keith Sparks			
Model type	Electric powered , Radio controlled		
Span	76 in.	length	49 in.
Weight	6 lbs	wing area	667.5 Sq. in.
Construction type	Extruded foam wood composite		

1. Apply 1/2 ounce glass cloth and Zap finishing resin
thinned 30% with denatured alcohol. Apply with a brush.
2. lightly sand the surface where the glass cloth overlaps
to remove the ridge
3. After it cures, apply non thinned resin to the glassed surface.
squeeze off excess resin with a playing card. wet sand imperfections.
4. Repeat step three until the surface becomes glossy.
For detailed finishing instructions and tips, the book "building with foam"
is suggested and is a must for those that are new to foam construction.