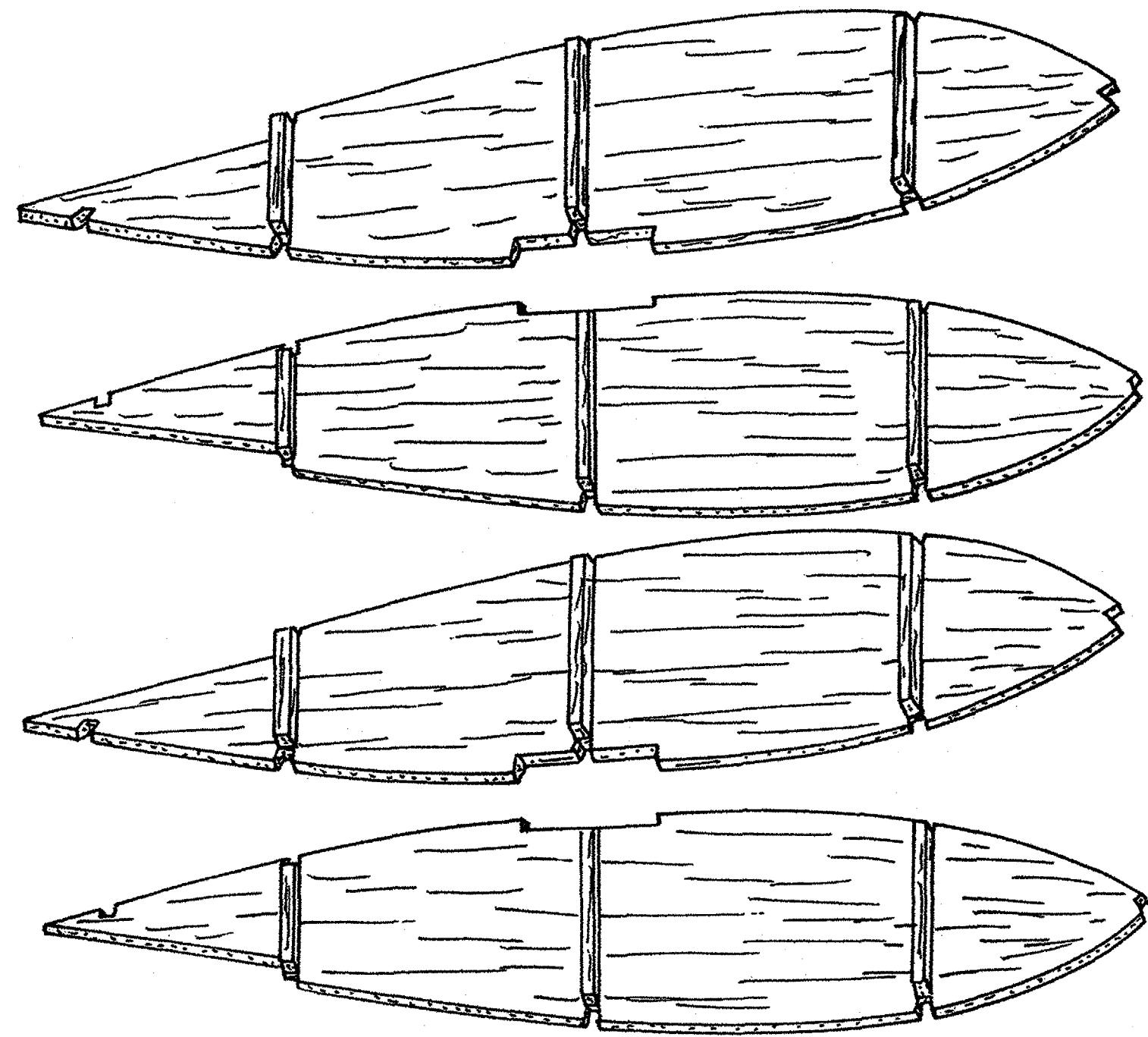


# STEP ONE

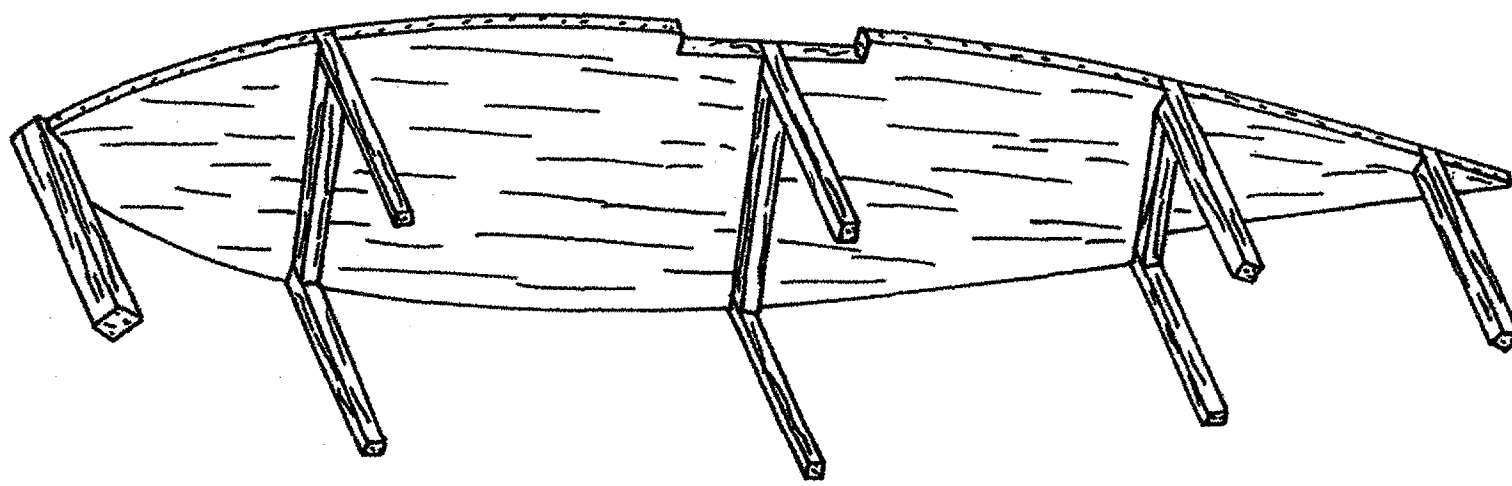
Cut the internal 1/8" sq balsa sticks to length and glue them to the inner side of each of four sheet balsa main float sides. Be sure to make two left and two right sides!



# STEP TWO

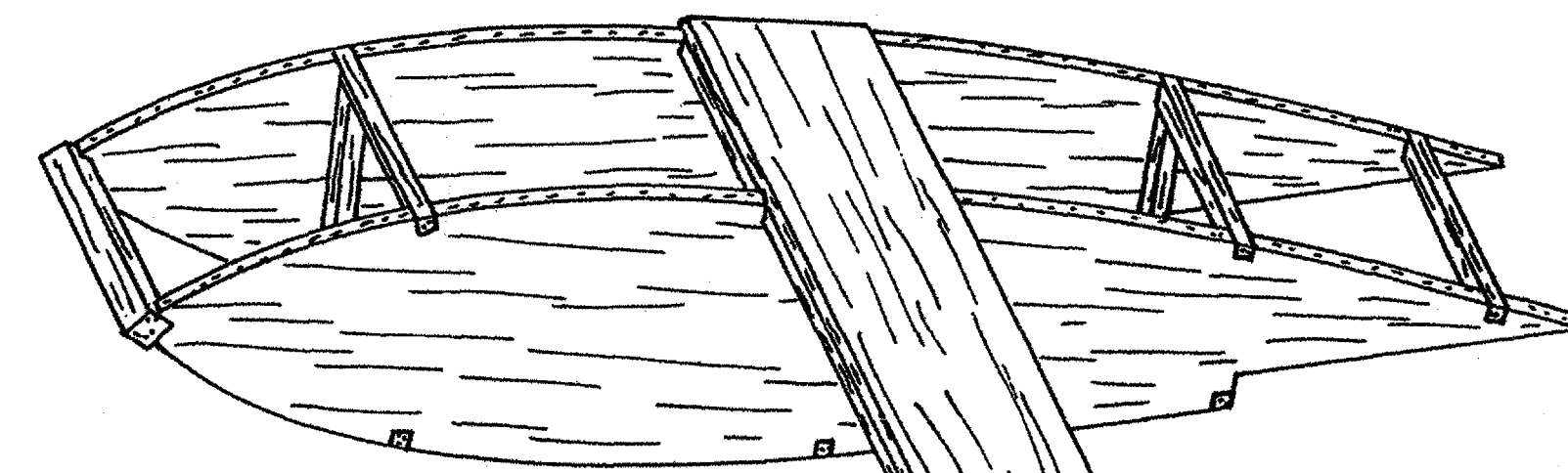
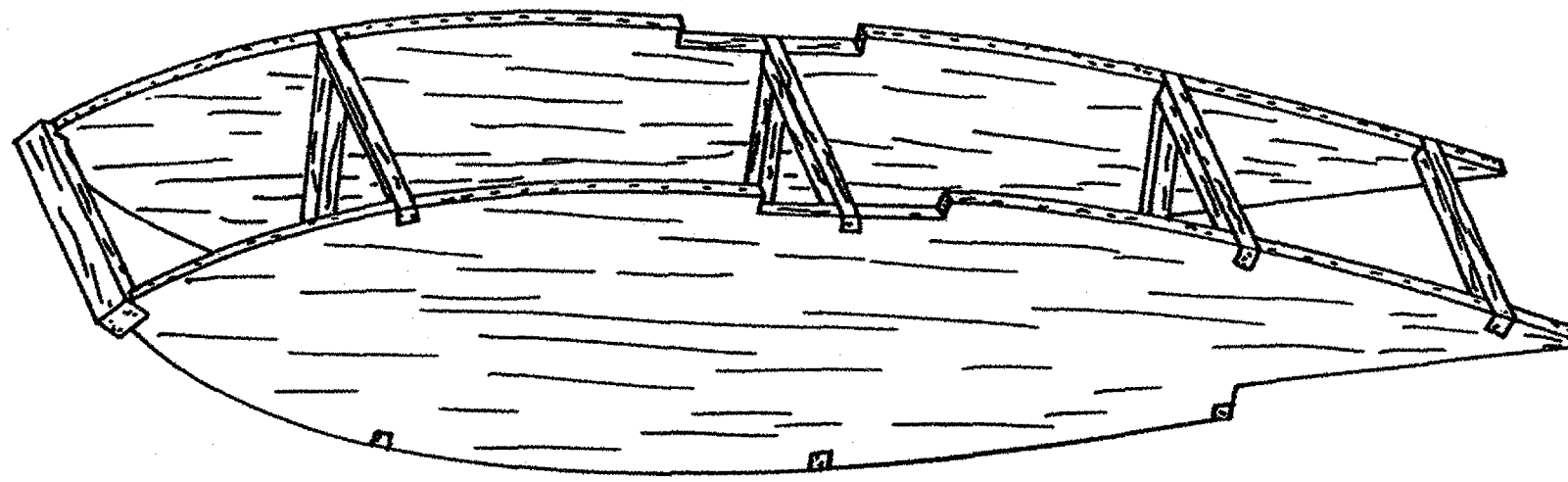
Lay the float plans out on your building board, then cover the plans and building board with plastic wrap and pin one main float side to the building board. Cut the 1/8" sq balsa cross pieces to length and glue in place as shown using a drafting triangle or I-square to make sure they are vertical.

Use the same procedure to glue the 1/4" sq nose piece in place.



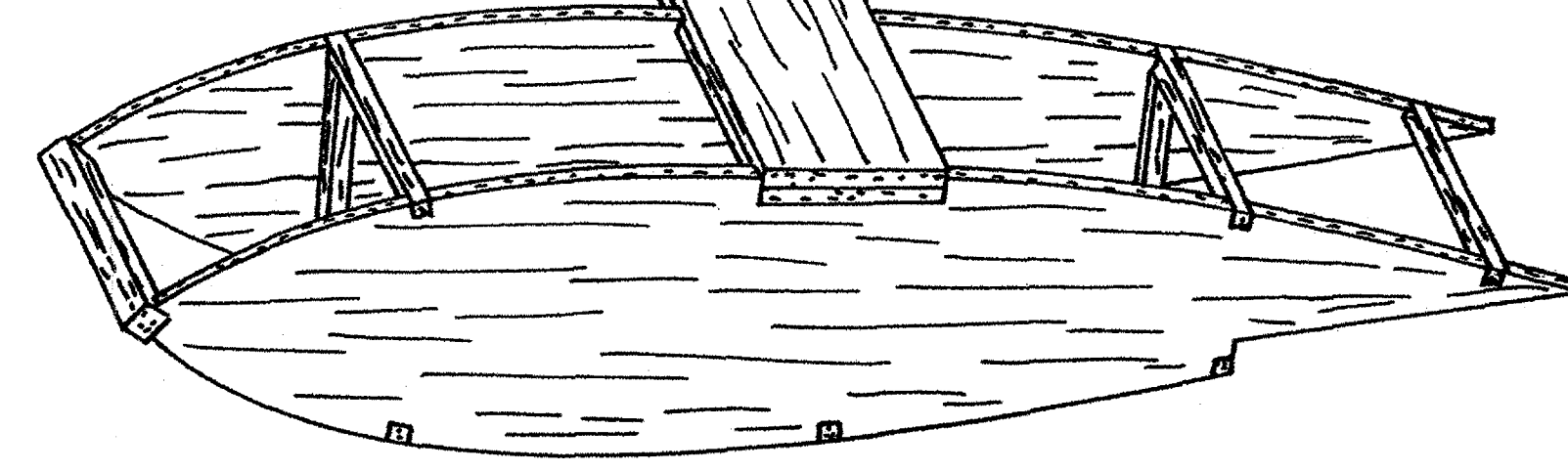
# STEP THREE

Glue the other side of the float in place. Then remove the float from the building board and build the other main float (repeat steps 1-3).



# STEP FOUR

Cut the two 1/8" x 2" balsa float strut laminations to the proper length for your plane and glue them together. Then glue a float onto each end of the strut.



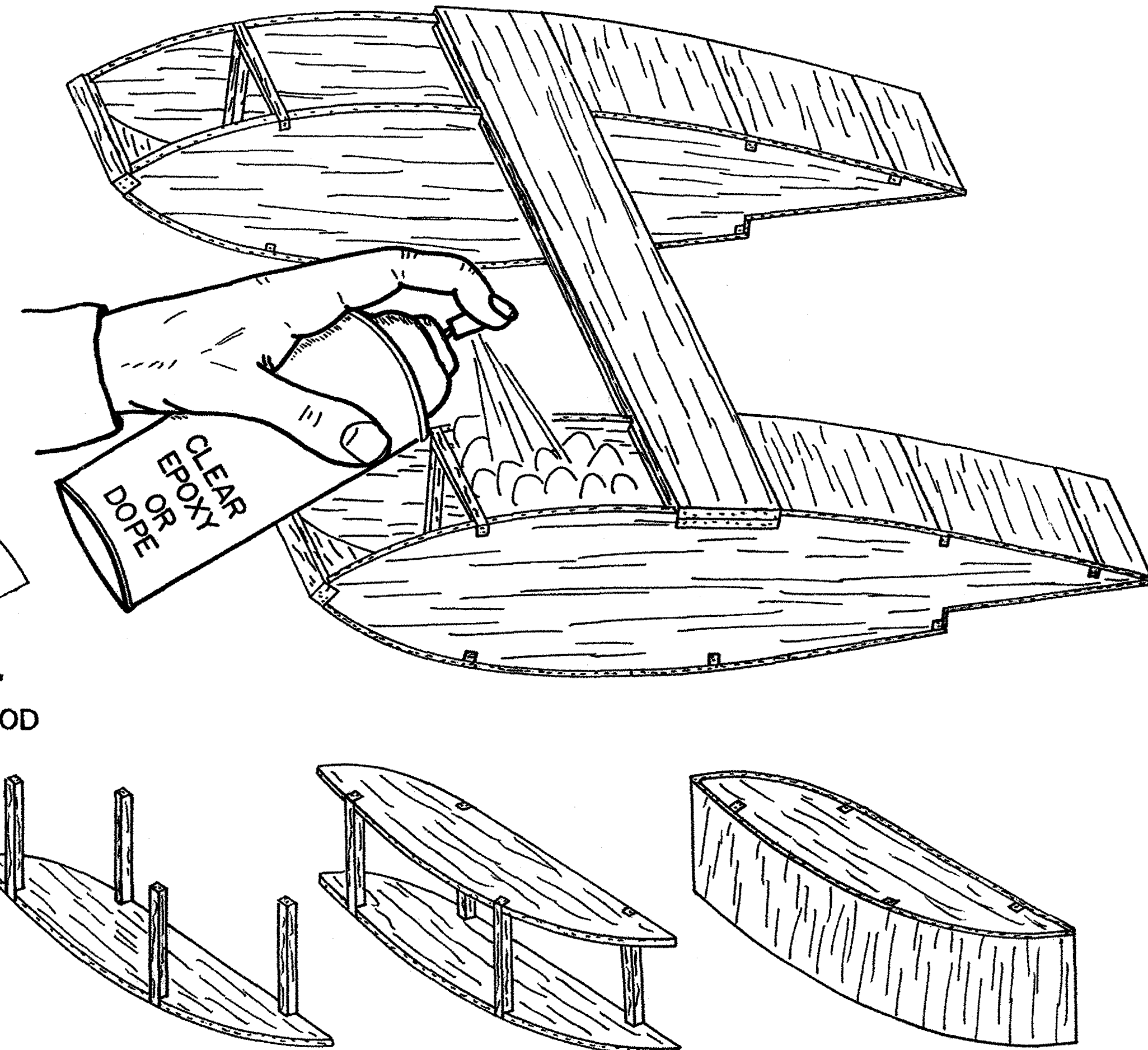
# STEP FIVE

Sheet the entire bottom, and the rear half (behind the strut) of the top of both floats with 1/16" sheet balsa. Be sure that the sheeting is done cross grain.

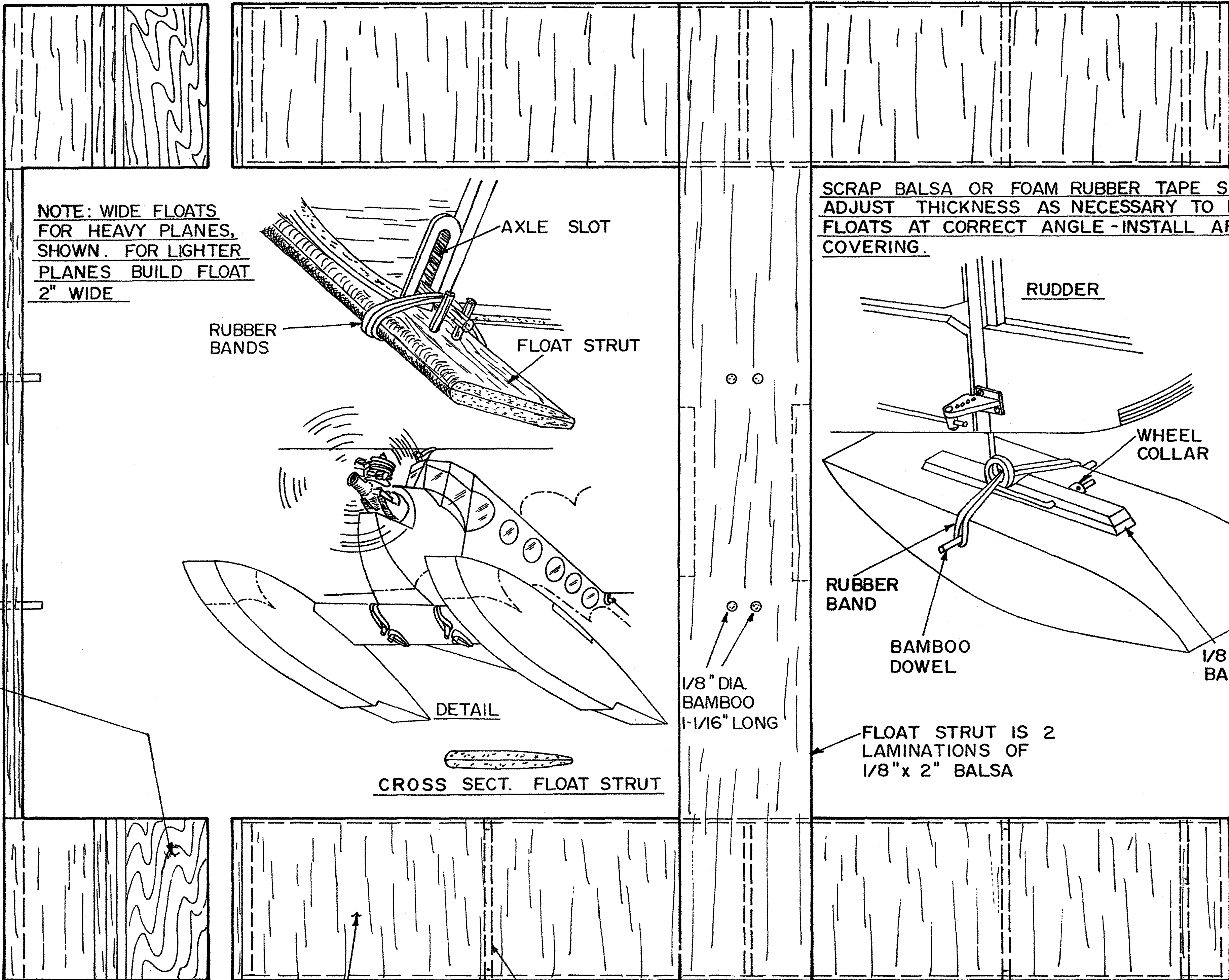
Spray the inside of the floats with two coats of clear dope or epoxy to waterproof them. Let dry before closing up the floats.

Cut enough 1/8" sheet balsa to cover the top half of both floats. Coat one side of each cut piece of 1/16" sheet balsa with thin CA. This will water proof it. Now cover the top half of each float with the CA-coated side of the sheet balsa on the inside of the float. Be sure that the balsa is cross grain also.

Fill in any pin holes in the floats with sawdust and thin CA. Then sand the outer surfaces of the floats until smooth and shape the floats strut to the proper cross section with a knife and sandpaper. NOTE: Do NOT round off the corners of the floats.



## TOP VIEW OF FLOATS



NOTE: WIDE FLOATS FOR HEAVY PLANES. SHOWN. FOR LIGHTER PLANES BUILD FLOAT 2" WIDE

SCRAP Balsa OR FOAM RUBBER TAPE SHIMS. ADJUST THICKNESS AS NECESSARY TO HOLD FLOATS AT CORRECT ANGLE - INSTALL AFTER COVERING.

RUBBER BAND

WHEEL COLLAR

RUBBER BAND

BAMBOO DOWEL

1/8" x 1/4" BASSWOOD

FLOAT STRUT IS 2 LAMINATIONS OF 1/8" x 2" Balsa

1/8" DIA BAMBOO 1-1/16" LONG

DETAIL

CROSS SECT. FLOAT STRUT

FRONT VIEW

OPTIONAL 1/32" OR 1/64" PLY BOTTOM SHEETING

## IMPORTANT! - READ BEFORE BUILDING FLOATS

### LAZY BEE FLOATS

**Float Width**  
The Lazy Bee Floats are designed to be built in different widths to accommodate variations in aircraft weight. If you are using a .15 or smaller engine and micro-radio gear your tail and main floats should be 2 inches wide. If you use full size radio gear, electric power, or an engine larger than a .15, your floats should be 2.5 inches wide.

### LAZY BEE FLOATS SHOPPING LIST

**Tools**  
Razor Blades or Modeling Knife  
Modeling Pins  
Sandpaper & Sanding Block  
Building Board  
Drafting Triangle or I-Square

**Consumable Items**  
Plastic Wrap  
Cyanoacrylate (CA) Type Glue (Thin CA Recommended)  
Glue Tips for Thin CA  
Spray Can of Clear Dope (or Epoxy Paint) - for waterproofing  
Size #30 Rubber Bands - to attach floats to plane

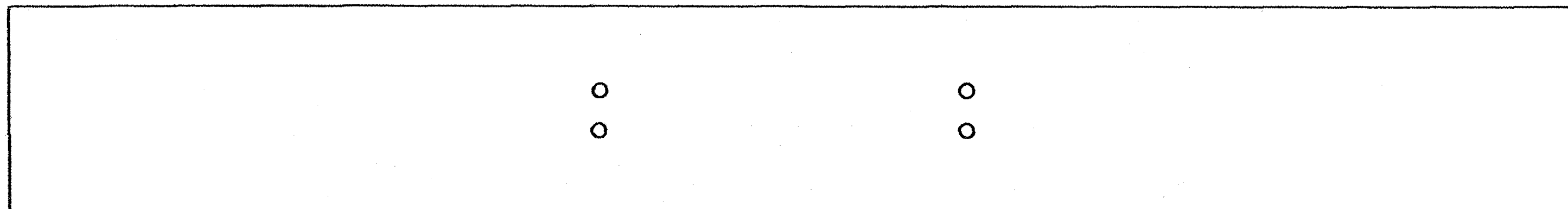
**Optional Items (To Finish Floats)**  
Balsaloc & Litespan (or other iron-on covering)  
or  
Dope & Silkspar  
or  
Light Fiberglass Cloth, Resin, & Paint  
and (to cover bottom of finished floats),  
1/32" or 1/64" Plywood (12" x 24")  
Note: Plywood recommended if floats will be used on snow

### FINISHING THE FLOATS

The prototype floats were given two coats of Black Baron Clear Epoxy, one coat of Balsaloc, and covered with Litespan. The seams of the Litespan were sealed by running a bead of thin CA down them using a fine glue tip. The floats can also be finished with silkspar & dope, or with Fiberglass, or with some other covering.

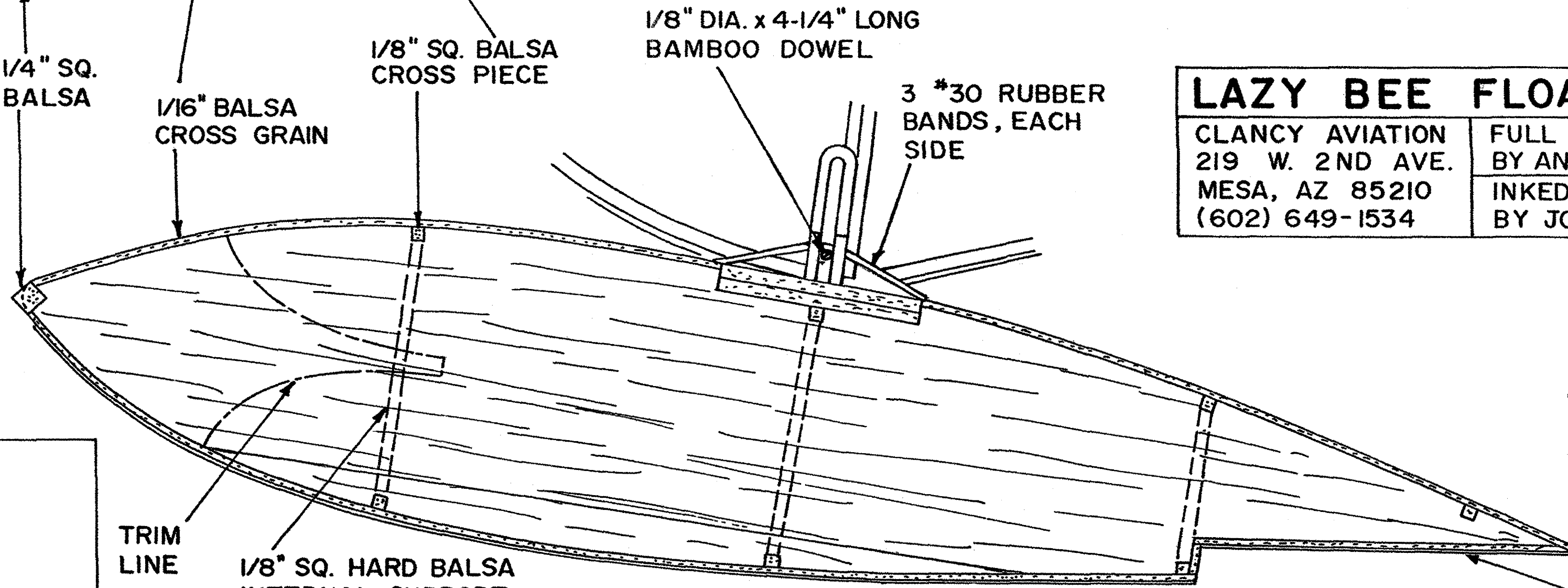
Whatever you use: Keep It Light and Water Tight!

TEMPLATE FOR DRILLING TAIL FLOAT, CUT FROM PLAN



DRILLING TEMPLATE- FOR DRILLING FLOAT STRUT, CUT FROM PLAN

TRIM PATTERN, CUT FROM PLAN



1/4" SQ. Balsa

1/16" Balsa CROSS GRAIN

1/8" SQ. Balsa CROSS PIECE

1/8" DIA. x 4-1/4" LONG BAMBOO DOWEL

3 #30 RUBBER BANDS, EACH SIDE

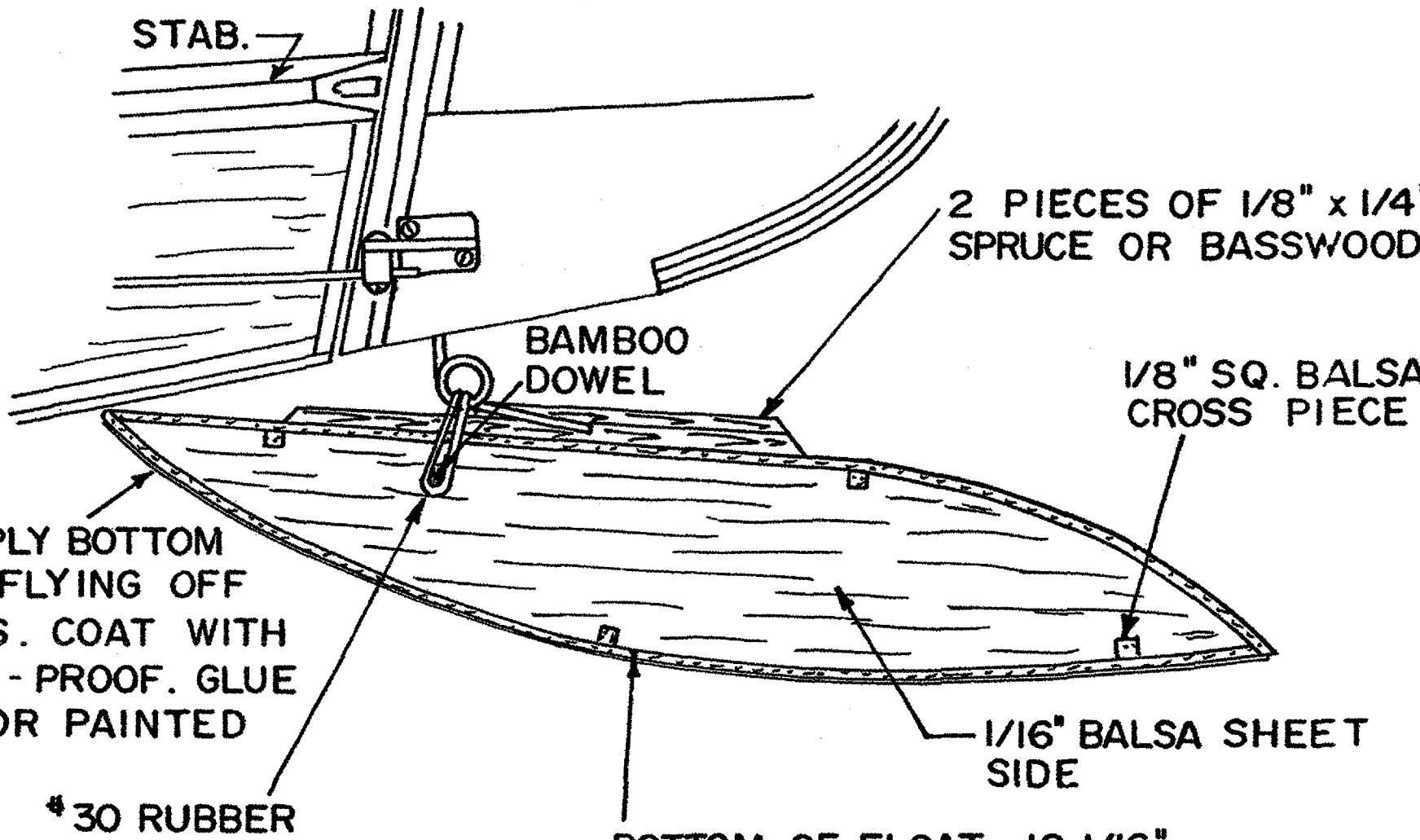
TRIM LINE

1/8" SQ. HARD Balsa INTERNAL SUPPORT FOR FLOAT SIDES

## SIDE VIEW WITH ATTACHMENT DETAILS

LAZY BEE FLOATS	
CLANCY AVIATION 219 W. 2ND AVE. MESA, AZ 85210 (602) 649-1534	FULL SIZE BY ANDY CLANCY INKED PLAN BY JOE DEMARCO

STAB.



2 PIECES OF 1/8" x 1/4" SPRUCE OR BASSWOOD

BAMBOO DOWEL

1/8" SQ. Balsa CROSS PIECE

1/16" Balsa SHEET SIDE

BOTTOM OF FLOAT IS 1/16" Balsa SHEET, CROSS GRAIN

#30 RUBBER BAND

OPTIONAL 1/64" PLY BOTTOM SHEETING FOR FLYING OFF SNOW OR GRASS. COAT WITH CYA. TO WATER-PROOF. GLUE TO COVERED OR PAINTED FLOATS.

## SIDE VIEW OF TAIL FLOAT