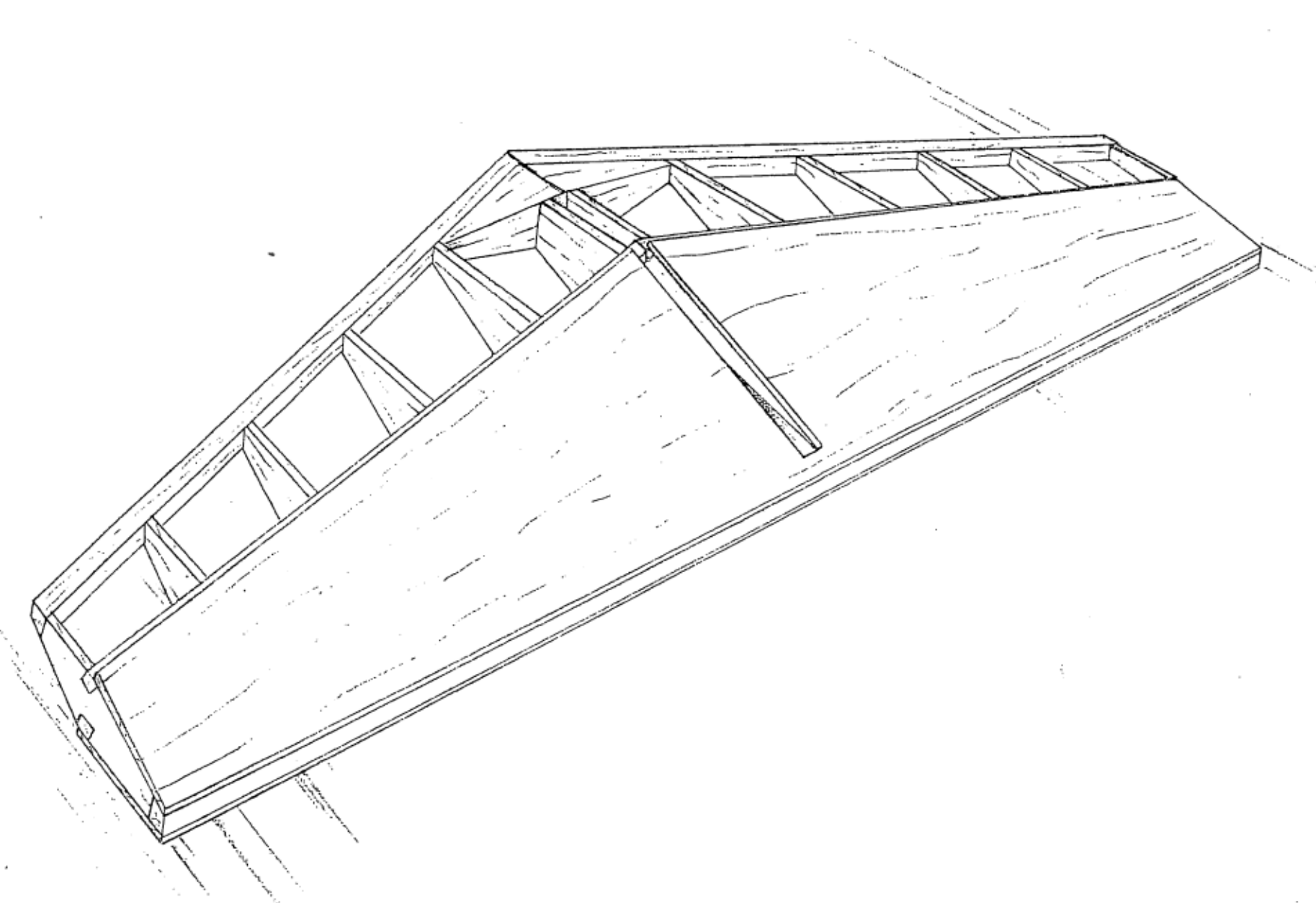


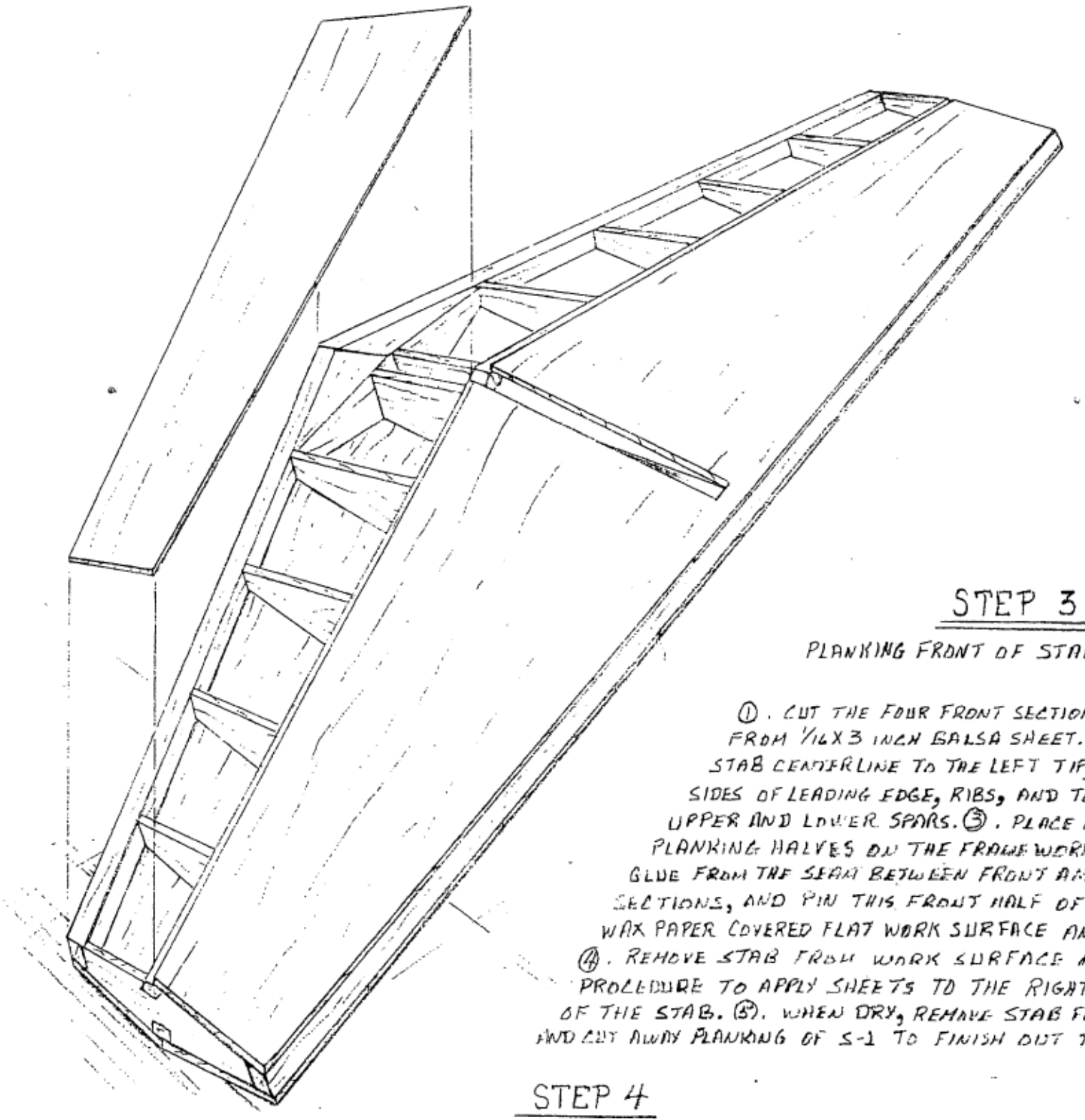
**STEP 1**  
BUILDING THE FRAMEWORK

①. BEVEL SAND THE LEADING AND TRAILING EDGE STOCK AND GLUE SD-2 TO THE FRONT CENTER FACE OF THE TRAILING EDGE. CUT SD-1 AND SAND TO SHAPE. ②. SELECT A FLAT WORK SURFACE, COVER STAB PLAN WITH WAX PAPER, AND THINLY TRACER THE PLAN TO THE WORK SURFACE. ③. PIN THE BOTTOM SPARS & THE TRAILING EDGE IN PLACE OVER THE PLAN. ④. GLUE RIBS TO SPARS AND TRAILING EDGE AND GLUE SD-1 TO FRONT CENTER SECTION OF FRAMEWORK. ⑤. GLUE TOP SPARS IN PLACE. ⑥. GLUE THE TWO LEADING EDGE PIECES TO THE ELEVATED FRONT OF THE RIBS. ⑦. WHEN FRAMEWORK IS DRY REMOVE FROM THE PLAN.



**STEP 2**  
PLANING REAR OF DIAMOND STAB FRAMEWORK

①. TRIM THE FRONT HALF OF THE SPARS UNTIL IN LINE WITH THE SLOPE OF FRONT PORTION OF RIBS. ②. USE SANDING BLOCK TO SAND LEADING EDGE PIECES UNTIL THEY MATCH THE SLOPE OF THE FRONT PORTION OF THE RIBS. MATCH SAND THE TRAILING EDGE TO THE SLOPE OF REAR PORTION OF THE RIBS. ③. CUT TOP AND BOTTOM REAR PLANKING SECTIONS FROM 1/16 X 1/4 IN. BALS. ④. LAY A BEAD OF GLUE AND THE BOTTOM OF THE TRAILING EDGE AND THE BOTTOM REAR OF EACH RIB UP TO THE BOTTOM SPAR NOTCH. DO NOT PUT ANY GLUE ON THE BOTTOM SPAR AT THIS TIME. ⑤. WITH THE LOWER SHEETING ON A FLAT SURFACE, PIN THE FRAMEWORK TO IT. THE FRONT EDGE OF THE PLANKING SHOULD COVER HALF OF THE LOWER SPAR. ⑥. RUN A BEAD OF CEMENT ALONG THE JOINT BETWEEN THE REAR OF THE BOTTOM SPAR AND THE BOTTOM PLANKING SECTION. ⑦. GLUE THE TOP SECTION OF PLANKING IN PLACE, GLUING TO THE TRAILING EDGE, RIBS, AND TO THE TOP SPAR. CLEAN ANY EXCESS GLUE FROM THE FRONT HALF OF THE TOP SPAR SO THAT THE LEADING EDGE PLANKING CAN BUTT AGAINST THE REAR PLANKING. ⑧. CUT AWAY THE TOP PLANKING OVER S-1 TO FORM REAR OF SLOT FOR R-2.

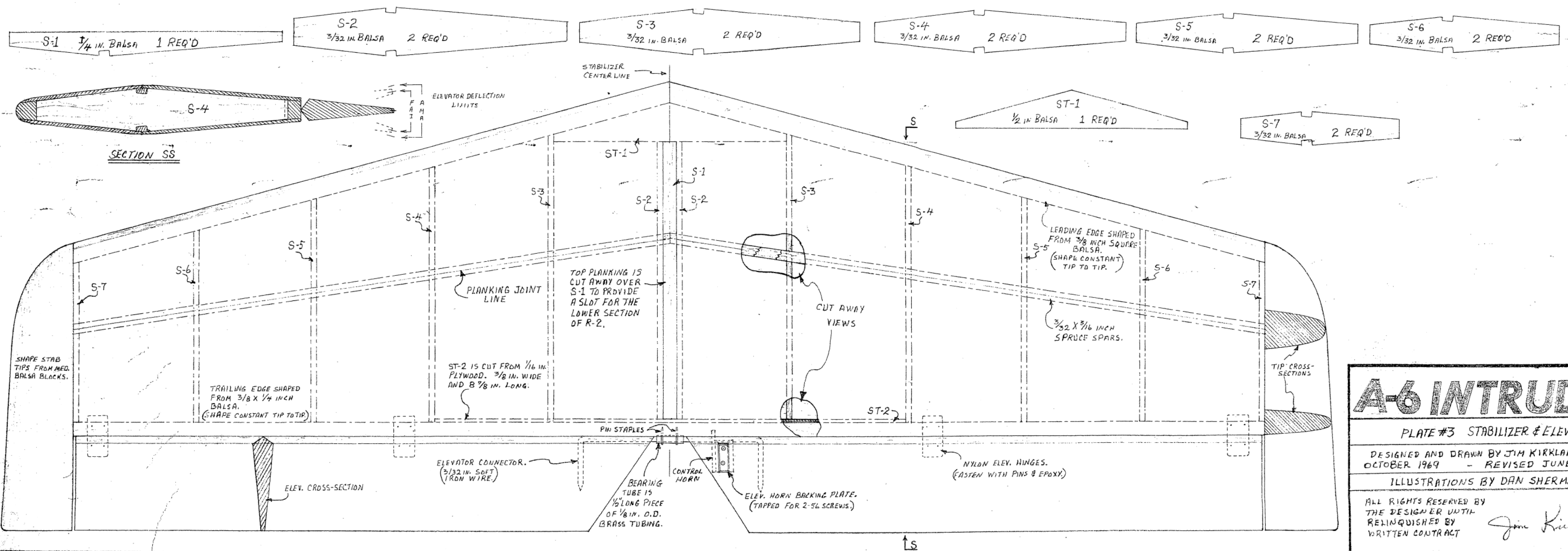


**STEP 3**  
PLANING FRONT OF STAB FRAMEWORK.

①. CUT THE FOUR FRONT SECTIONS OF PLANKING FROM 1/16 X 3/32 INCH BALS. SHEET. ②. WORKING FROM STAB CENTERLINE TO THE LEFT TIP, APPLY GLUE TO BOTH SIDES OF LEADING EDGE, RIBS, AND TO FRONT SECTION OF UPPER AND LOWER SPARS. ③. PLACE UPPER AND LOWER PLANKING HALVES ON THE FRAMEWORK, CLEAN EXCESS GLUE FROM THE SEAM BETWEEN FRONT AND REAR PLANKING SECTIONS, AND PIN THIS FRONT HALF OF THE STAB TO A WAX PAPER COVERED FLAT WORK SURFACE AND LEAVE UNTIL DRY. ④. REMOVE STAB FROM WORK SURFACE AND REPEAT THIS PROCEDURE TO APPLY SHEETS TO THE RIGHT FRONT SECTION OF THE STAB. ⑤. WHEN DRY, REMOVE STAB FROM WORK SURFACE AND CUT AWAY PLANKING OF S-1 TO FINISH OUT THE SLOT FOR R-2.

**STEP 4**  
COMPLETING THE STAB AND ELEVATOR.

①. USING A SANDING BLOCK SAND THE PLANKING AT TRAILING EDGE AND TIPS UNTIL FLUSH WITH TRAILING EDGE STOCK AND S-7's. ②. ROUND SHAPE THE TIP BLOCKS AND GLUE TO ENDS OF STAB. ③. SAND ELEVATOR TO FINAL SHAPE AND CROSS-SECTION. ④. BEND THE ELEVATOR CONNECTOR WIRE FROM LEFT HANGAR WIRE, SLIPPING THE BRASS BEARING TUBE ON BEFORE MAKING THE FINAL BEND. ⑤. DRILL AND MATCH THE ELEVATORS TO RECEIVE THE CONNECTOR WIRE. EPOXY THE CONNECTOR WIRE INTO THE ELEVATORS AND PIN THE ELEVATORS TO THE PLAN TO ENSURE A STRAIGHT LEADING EDGE AND TRAILING EDGE ALIGNMENT. ⑥. SAND THE STAB TIPS AND LEADING EDGE TO SHAPE. CHECK ELEVATOR CLEARANCE BETWEEN TIP EXTENSIONS AND TAPE THE ELEVATORS TO THE TRAILING EDGE OF THE STABILIZER. WEIGHT OF THIS COMBINATION SHOULD BE ABOUT 3 OUNCES.



**A-6 INTRUDER**  
 PLATE #3 STABILIZER & ELEVATOR  
 DESIGNED AND DRAWN BY JIM KIRKLAND  
 OCTOBER 1969 - REVISED JUNE 1970  
 ILLUSTRATIONS BY DAN SHERMER  
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*Jim Kirkland*