

RUDDER

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TAIL ASSEMBLY

Tail Surfaces are built directly over Plan. Pin all parts to Plan by the number as shown, cementing them together where they join. Cut 1/16 x 3/32 Strips to fit, and cement in place upright. Rudder is built in same manner. Allow units to dry thoroughly on flat surface, then sand smooth, rounding edges (except for front of #36 and bottom of #27), as shown in cross section. If model is being constructed for Control Line or Radio, see respective detail notes BEFORE COVERING with Tissue as described in Silkspan note.

STABILIZER

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Elevator Horn

DIE CUT PART NOTE

All die cut parts used in construction are given full size either on full size plan or individually laid out. This will enable you to duplicate any part should it become necessary for any reason. Die cut parts contained in sheet as furnished in kit are also available from the factory as replacements.

Plywood Engine Firewall

Plywood Control Platform

TAIL SKID ASSEMBLY

Cement parts together over full size drawing, by the number, as shown in sketch. Cement 3/32 x 1/16 strip vertically in place between 20 & 22. Allow to dry thoroughly then round off all edges except 20. Cover with Silkspan tissue and install as described in Final Assembly.

RIB ANGLE DETAIL

Sketch above shows how Wing Rib Angle Template is used as described in Wing Step #2.

SILKSPAN TISSUE COVERING

The finest grade wet strength Silkspan Tissue provided in this kit permits covering of most compound curves without wrinkling when moistened with water before applying to frame. Tissue shrinks when dry, to a tight smooth surface. Follow directions for a smoothly covered, warp-free flying model. Use clear dope to attach Tissue as follows: Apply a light coat to the outside edges of area to be covered, and allow it to dry. Cut Tissue to shape needed, plus 1/4" over size. Place Tissue on flat surface and dampen with moistened cloth. Apply a second coat of clear dope on frame, then place moistened Tissue on frame. Pull Tissue GENTLY with fingers, working out all wrinkles. WHEN COVERING WINGS AND TAIL SURFACES, PIN FRAMEWORK TO FLAT SURFACE TO PREVENT WARPS AS TISSUE DRIES. Cut out any wrinkled areas (bound by nearest framework) and re-cover. If model is being built as Non-Flying Scale, see detail note before covering is started. COVER WINGS FIRST: If model is being built for Control Line, be sure weight is added to Wing Tip (see Control Line Detail). Cover both bottoms and tops with

two pieces each. If any problem is encountered with wrinkles on the Tips, use a separate piece of Tissue. COVER STABILIZER AND RUDDER NEXT: COVER FUSELAGE NEXT: Cut Cockpit Cover from light cardboard provided, using pattern on Plan. Cement in place shown on side view. Cover sides from front to rear with one piece. Cover bottom from #4 to #6 in one piece, and from #8 to rear in one piece. Cover top from front to Cockpit Cover in one piece. Cover back from rear of Cockpit Cover to rear in one piece. Tissue should extend on to Cockpit Cover approximately 1/8". Cover sub-fin with one piece on each side. Apply four coats of thinned dope (3/4 dope, 1/4 thinner) top all tissue covering, holding surfaces flat to prevent warpage while dope is drying. Company models required two additional coats of straight dope to fill pores before color dope was applied. Check Wings and Tail Surfaces for warps before assembly. Warps can be removed by holding over steam (from boiling kettle) and twisting gently in opposite direction. Check again when cool.

WING ASSEMBLY

STEP 1

Build wings on flat surface directly over Saran covered plan. Using 1/8 x 3/16 x 14 strips, cut main spar to proper length, then pin in place vertically. Pin the remaining parts in place by the number as shown on sketch and full size plan, cementing parts securely together where they join (except at center joints if dihedral will be used-see next step). Center section trailing edge consists of #1's and #2's which are cemented together to form a four layer unit as shown.

STEP 2

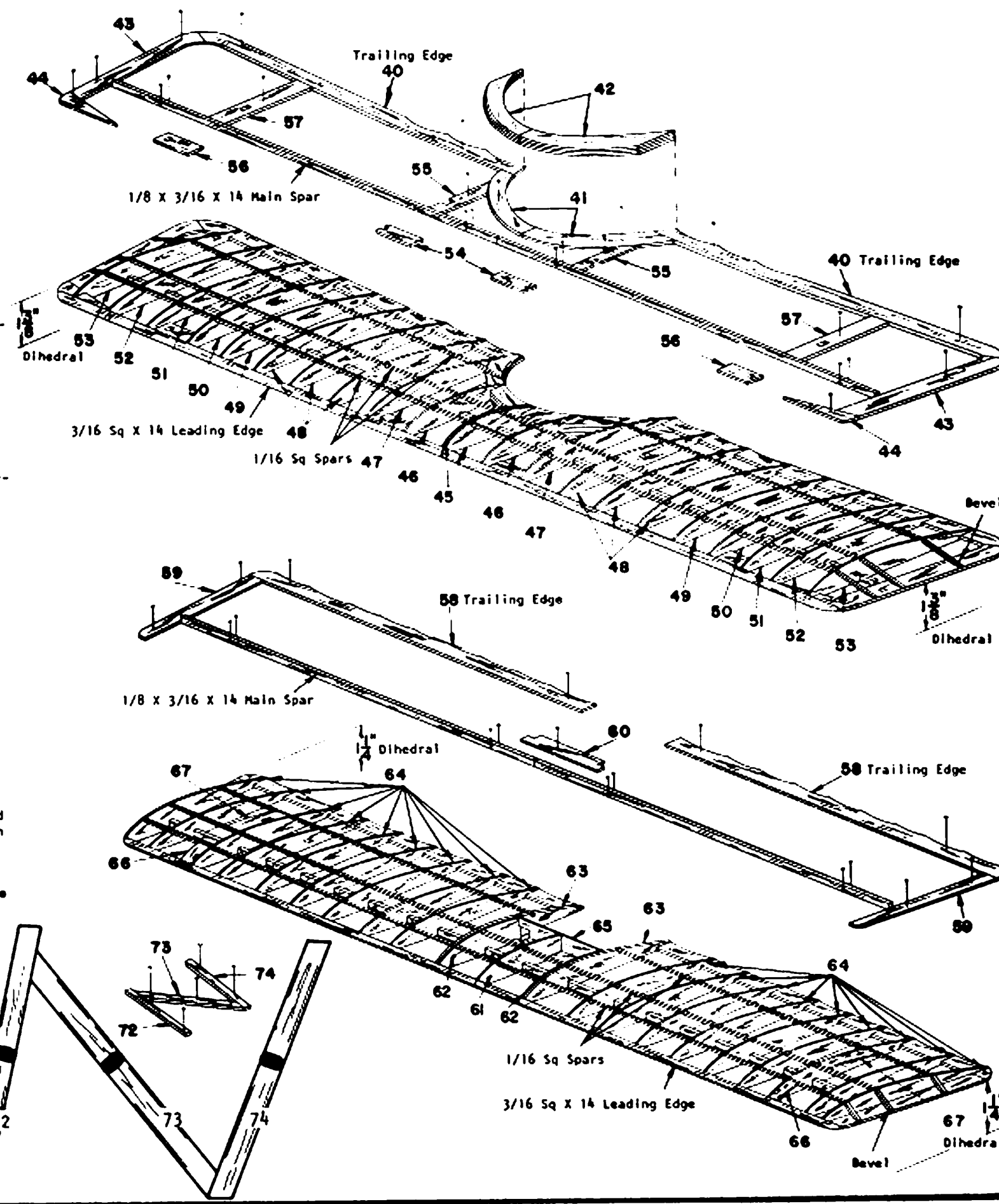
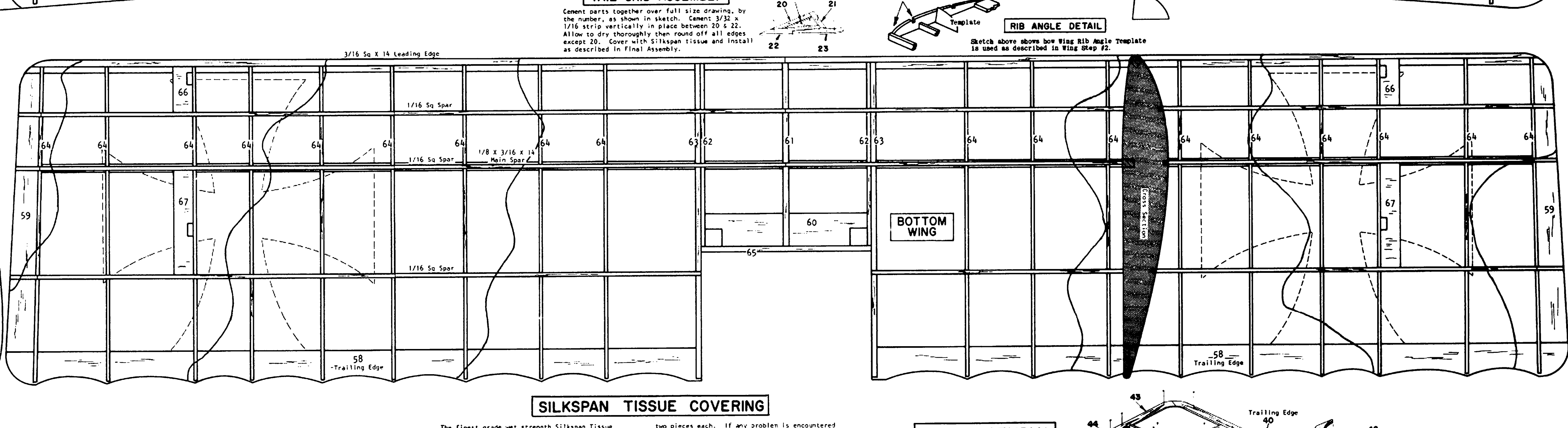
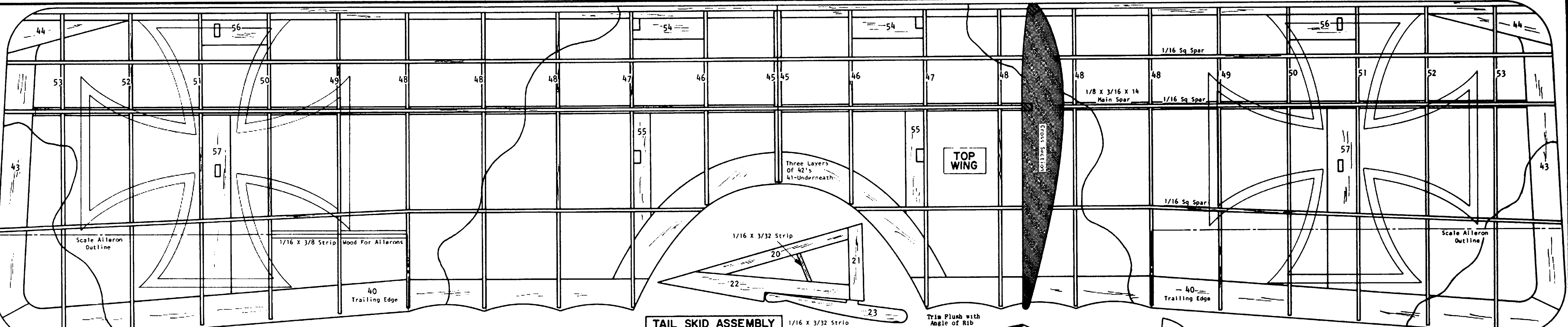
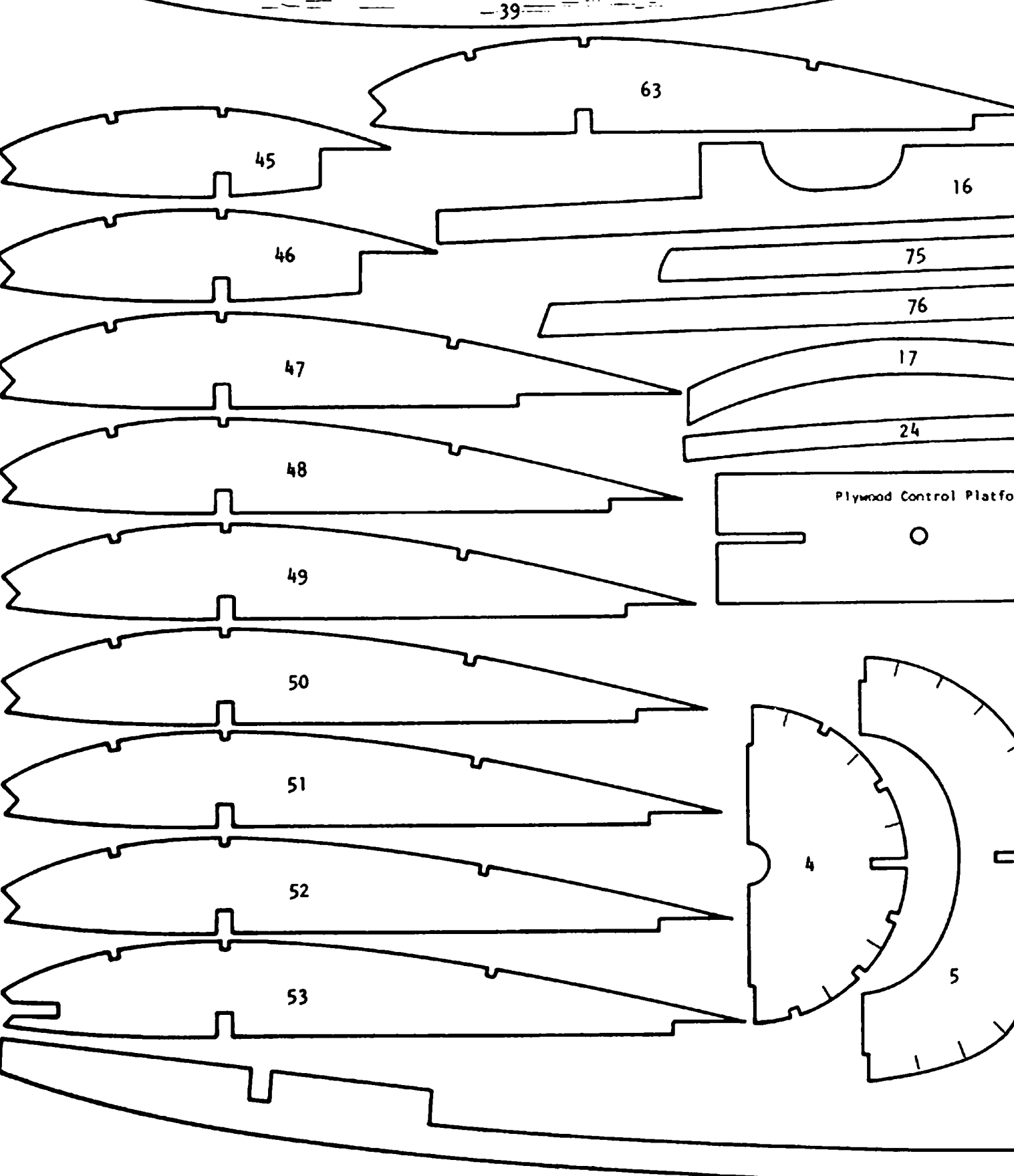
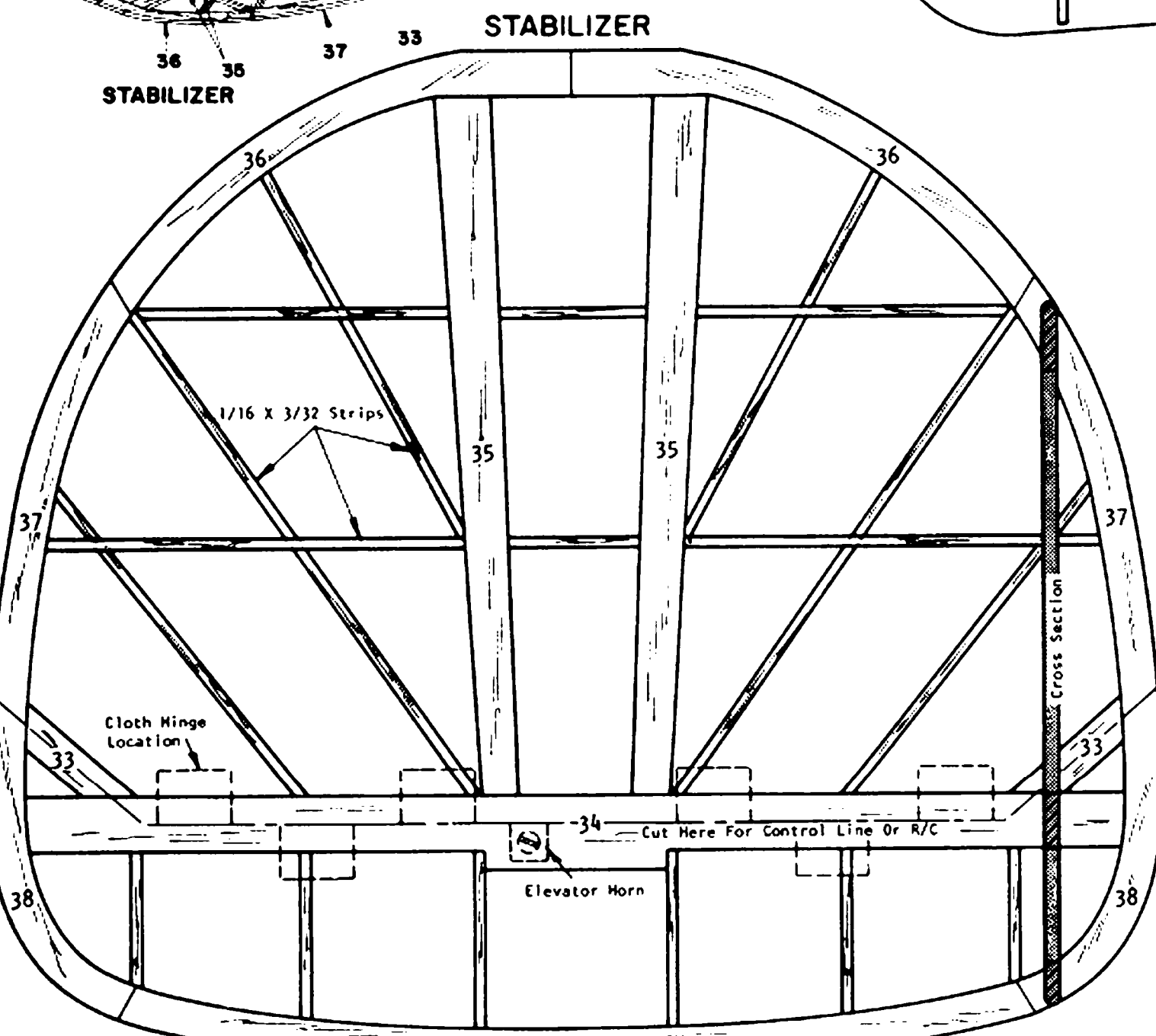
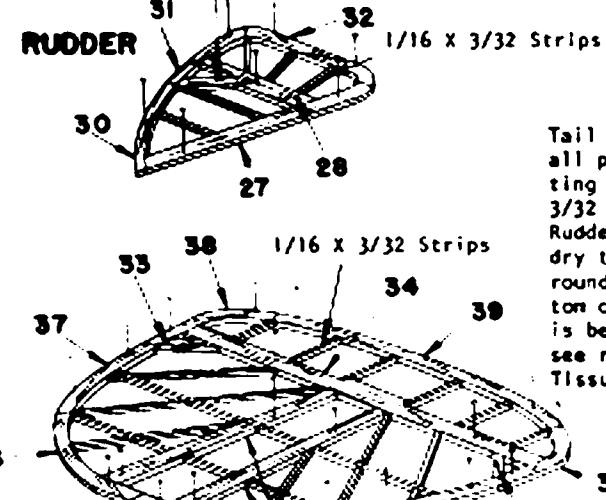
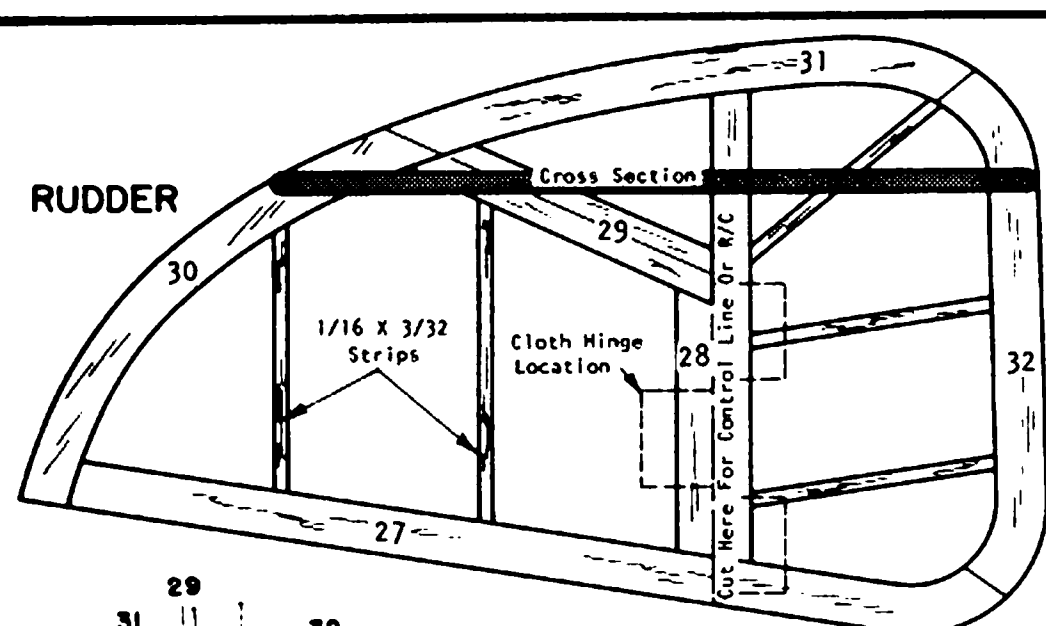
Wings on the real Albatross were flat. This is suitable only if model is being built for Control Line or non flying scale. For Rubber Powered, Free Flight, or Radio Control, six degrees dihedral is built into wings. Rib angle templates are provided for this purpose. Cement all ribs into place by the number as shown. Ribs should be vertical unless dihedral is being installed, in which case center ribs #45 are set at angle using rib angle template. Cement the 3/16 sq. 14" leading edge strips to front of ribs, then cement the 1/16 sq. spars into notches along top of ribs, cracking down at #53 and beveling at tip. Allow frame to dry thoroughly overnight is recommended. If movable ailerons are desired, see instructions in scale detail.

STEP 3

If dihedral is being built into wing, cut wing in half between center ribs, beveling all ends to match angle of ribs, so wing can be joined smoothly together. Remove from flat surface and trim leading edge, spars and trailing edge flush with ribs #47, rounding off through center area. Cement wing panels together, blocking up tips 1-3/8" for flying dihedral. Allow structure to dry thoroughly then sand frame smooth to prepare for tissue covering as described in Silkspan note. Bottom wing is assembled in exactly the same manner as the top wing using its own respective parts numbered as shown in sketches. The dihedral breaks are between #62's so that the center section is flat and tips are blocked up 1-1/4" for proper flying dihedral.

WING STRUT DETAIL

Round off outer struts #68 & #69 as shown in cross section on full size drawing, then pin in place directly over drawing. #70 & #71 are cemented in place lightly, since they are removed later on. Make two units. Round off center cabane struts #72, #73, & #74 and cement together securely over plan. Allow to dry thoroughly. Make two units. Struts are now ready to be installed as described in final assembly detail.



ALB. D-II
1532/16



KIT E-9 ALBATROS