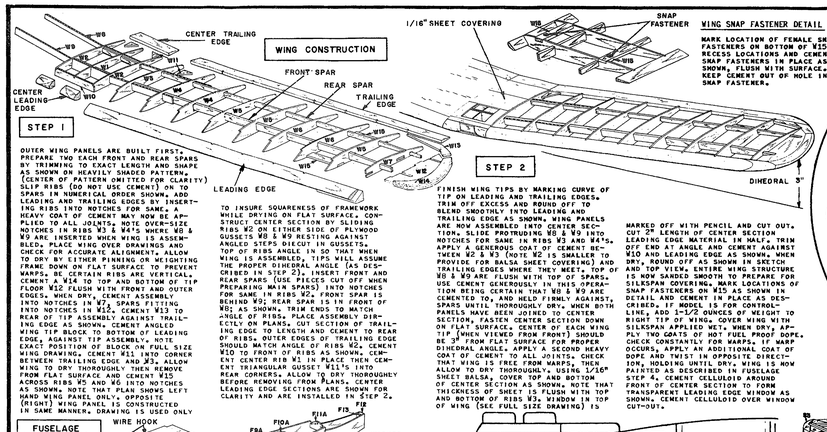
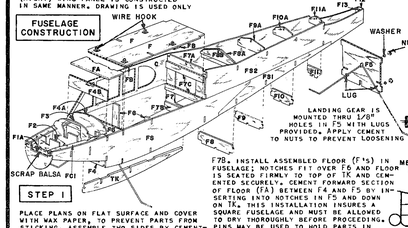
OUTER WING PANELS ARE BUILT FIRST. PREPARE TWO EACH FRONT AND REAR SPARS BY TRIMMING TO EXACT LENGTH AND SHAPE AS SHOWN ON HEAVILY SHADED PATTERN. (CENTER OF PATTERN OMITTED FOR CLARITY) SLIP RIBS (DO NOT USE CEMENT) ON TO SPARS IN NUMERICAL ORDER SHOWN, AND LEADING AND TRAILING EDGES BY INSERTING RIBS INTO NOTCHES FOR SAME. A HEAVY COAT OF CEMENT MAY NOW BE APPLIED TO ALL JOINTS. NOTE OVER-SIZE NOTCHES IN RIBS W3 & W4'S WHERE W8 & W9 ARE INSERTED WHEN WING IS ASSEMBLED. PLACE WING OVER DRAWINGS AND CHECK FOR ACCURATE ALIGNMENT. ALLOW TO DRY BY EITHER PINNING OR WEIGHTING FRAME DOWN ON FLAT SURFACE TO PREVENT WARPS. BE CERTAIN RIBS ARE VERTICAL. CEMENT W14 TO TOP AND BOTTOM OF TIP FLOOR W12 FLUSH WITH FRONT AND OUTER EDGES. WHEN DRY, CEMENT ASSEMBLY INTO NOTCHES IN W7'S, SPARS FITTING INTO NOTCHES IN W14. CEMENT W13 TO REAR OF TIP ASSEMBLY AGAINST TRAILING EDGE AS SHOWN. CEMENT ANGLED WING TIP BLOCK TO BOTTOM OF LEADING EDGE, AGAINST TIP ASSEMBLY. NOTE EXACT POSITION OF BLOCK ON FULL SIZE WING DRAWING. CEMENT W11 INTO CORNER BETWEEN TRAILING EDGE AND W3. ALLOW WING TO DRY THOROUGHLY. THEN REMOVE FROM FLAT SURFACE AND CEMENT W15 ACROSS RIBS W5 AND W6 INTO NOTCHES AS SHOWN. NOTE THAT PLAN SHOWS LEFT HAND WING PANEL ONLY, OPPOSITE (RIGHT) WING PANEL IS CONSTRUCTED IN SAME MANNER. DRAWING IS USED ONLY TO INSURE SQUARENESS OF FRAMEWORK WHILE DRYING ON FLAT SURFACE. CONSTRUCT CENTER SECTION BY SLIDING RIBS W2 ON EITHER SIDE OF PLYWOOD GUSSETS W8 & W9 INTO POSITION OF ANGLED STEPS DIECUT IN GUSSETS. TOP OF RIBS ANGLE IN SO THAT WHEN WING IS ASSEMBLED, TIPS WILL ASSUME THE PROPER DIHEDRAL ANGLE (AS DESCRIBED IN STEP 2). INSERT FRONT AND REAR SPARS (USE PIECES CUT OFF WHEN PREPARING MAIN SPARS) INTO NOTCHES FOR SAME IN RIBS W2. FRONT SPAR IS BEHIND W9; REAR SPAR IS IN FRONT OF W10; AS SHOWN. TRIM W6 TO MATCH ANGLE OF RIBS. PLACE ASSEMBLY DIRECTLY ON PLANS, CHECK POSITION OF TRAILING EDGE TO LENGTH AND CEMENT TO REAR OF RIBS. OUTER EDGES OF TRAILING EDGE SHOULD MATCH ANGLE OF RIB W2. CEMENT W10 TO FRONT OF RIBS AS SHOWN. CEMENT CENTER RIB W1 IN PLACE. CEMENT TRIANGULAR GUSSET W11'S INTO REAR CORNERS. ALLOW TO DRY THOROUGHLY BEFORE REMOVING FROM PLANS. CENTER LEADING EDGE SECTIONS ARE SHOWN FOR CLARITY AND ARE INSTALLED IN STEP 2.