



START CONSTRUCTION BY SLIPPING #83 ON WING SHEET TABS ON RIBS POSITION THEM FOR PROPER INCIDENCE CURVE CONSTRUCTION ASSEMBLE CENTER SECTION FIRST BY ALIGNING RIBS AND START OVER PLAN. NOW COVER TOP WITH 1/8" MEDIUM SHEET WHEN DRY, TIP TO RIGHT OR LEFT TO LINE UP RIBS FOR RIGHT OR LEFT PANELS WHEN LEADING EDGE HAS BEEN CEMENTED IN PLACE, COVER PANEL WITH MEDIUM SOFT 1/8" SHEET AND ALLOW CEMENT TO DRY WELL. TIP OFF SO OTHER PANEL IS FLAT ON BENCH. REPEAT ABOVE PROCEDURE NOTE THAT COVERING STOCK SHOULD OVERLAP REAR OF RIBS (FIG 1) TO ALLOW FOR BARBING LATER WHEN WING IS ASSEMBLED AND TOP COVERED. BOTTOM COVERING CAN BE STARTED FIRST IF IT IS IMPERATIVE TO SAND TOP SHEETING AT REAR AND TO TRIM OFF TABS (FIG 2) CEMENT TIPS ON AND SAND CAREFULLY FOR A SMOOTH FINISH

SCALE DETAILS, SUCH AS AIRFOIL AND FLAP OUTLINES, MAY BE SCRIBED INTO WING SURFACE OR INDICATED BY A BARBER (APPROX 1/16") STRIP OF WHITE "TRIM-FILM"

3 WIRE RIBS ARE REQUIRED - 1/4" SHEET 2 EACH OF W1 TO W3 - CUT FROM MEDIUM 1/8" SHEET

1/8" SHEET COVERING ON WING, FUSELAGE, AND TAIL SURFACES IS Sanded TO 1/32" THICKNESS WHEN VARIOUS PARTS ARE FULLY ASSEMBLED

WIRE FOLDING JOINT (OPTIONAL)

INSIDE POSITION (ON BOTTOM OF RIBS)

ONLY ONE EACH REQ OF W1 TO W3 1/8" MEDIUM SHEET Balsa

ONLY ONE OF EACH REQUIRED

REAR SPAR OUTLINE - HARD 3/16" SHEET ONE REQUIRED

OUTLINE OF MAIN SPARS - 2 REQUIRED HARD 3/16" SHEET

SCALE OF COOLER DUCT POSITION OPTIONAL

FORMERS F1 TO F13 CUT FROM 1/8" MEDIUM HARD Balsa 2 EACH REQ

FUSELAGE IS ASSEMBLED BY THE "DITCH" SYSTEM OR THE LEFT HALF CAN BE ASSEMBLED TO PLACELIFTS OFF, AND THE RIGHT SIDE ASSEMBLED ON IT "DITCH" TO 1/2" 1/8" MEDIUM STOCK (2 TYPES OF 1/8" 1/8" ARE BETTER, AS ONE CURVE CAN BE BENT INTO OTHER MORE EASILY) USE MEDIUM SOFT 1/8" 1/8" Balsa FOR PLANNING FUSELAGE.

WING AND TAIL SURFACES ARE BEST COVERED WITH 1/8" SHEETS (APPROX. SIZE) SMALLER SHEETS MAKE ASSEMBLY TOO TEDIOUS, LARGER SHEETS ALLOW CEMENT TO SET TOO SOON BEFORE ALL OF SHEET CAN BE PRESSED DOWN SHUT TO RIBS.

LARGE "VACO" BELL-DRAWN SEE FRONT VIEW FOR AMOUNT OF SIDE OFFSET

OPERINGS FOR LEAD-OUT WIRE IN LEFT SIDE OF FUSELAGE AND BOTH SIDES OF LEFT MACELLE

ALL L-6 STRUTS 1/8" STEEL WIRE FASTER TO FORMERS WITH "1" OR "TRADE" BOLTS

MACELLES ARE CARVED FROM Balsa BLOCKS 1/4" OF FORMER #4

Balsa BLOCK FROM #11 BACK

ENGINE BEARER OPERINGS INDICATED BY SOLID LINE ARE FOR FORMER, FOR ALLYN AND OBR ENGINES FOR VECO, FOX, OODLING AND MOCO ENGINES, ENGINE BEARERS SHOULD BE LOWERED 1/4" (ON FORMERS N1, N2, N3, N4, C8 AND C9) ABOVE APPLIES TO "T" TO "S" ENGINES ONLY DOTTED LINES SHOW BEARER POSITION FOR ATWOOD OR CYCLONE ENGINES LARGER THAN "40" DISPLACEMENT

PROTOTYPE SCALE (1:10 FEET)

MODEL SCALE (1/16 INCHES)

3" DIA AIRWHEEL

Full size plan of F7F Tigercat are on Group Plan #657 from Hobby Helpers, 770 Hunts Point Ave., New York 59, N. Y. (\$1)