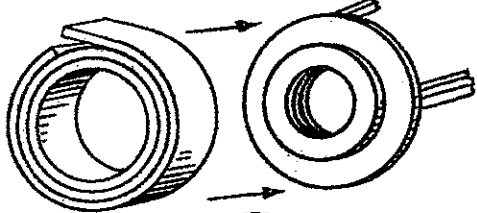


VERON

NORTH AMERICAN F.86.A. "SABRE" 18" SPAN.

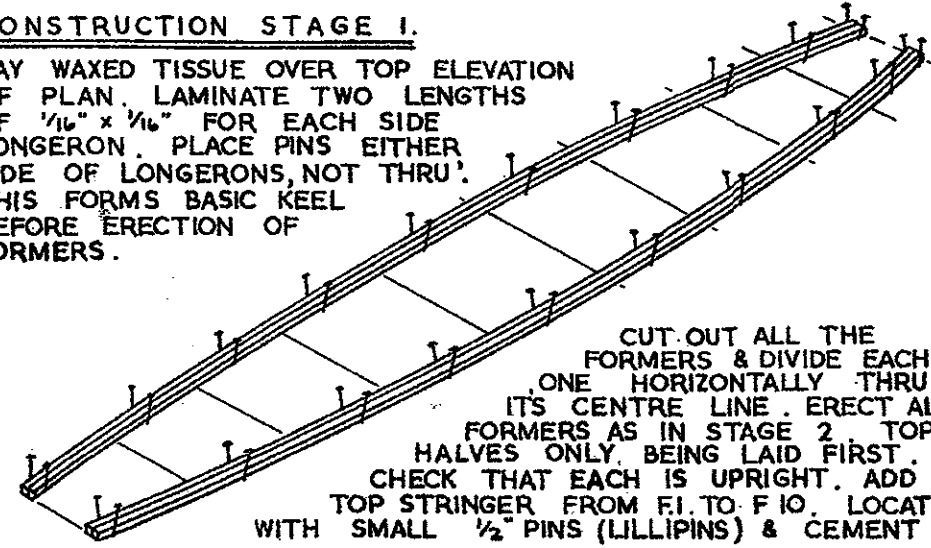
SCALE MODEL OF AMERICA'S FOREMOST SWEEPWING JET FIGHTER FOR JETEX 50.

STRIPS OF $\frac{1}{16}$ " SHEET $\frac{1}{2}$ " WIDE ARE WOUND ROUND I.A. TO FORM A TRIPLE LAMINATION. MOISTEN TO BEND.



CONSTRUCTION STAGE 1.

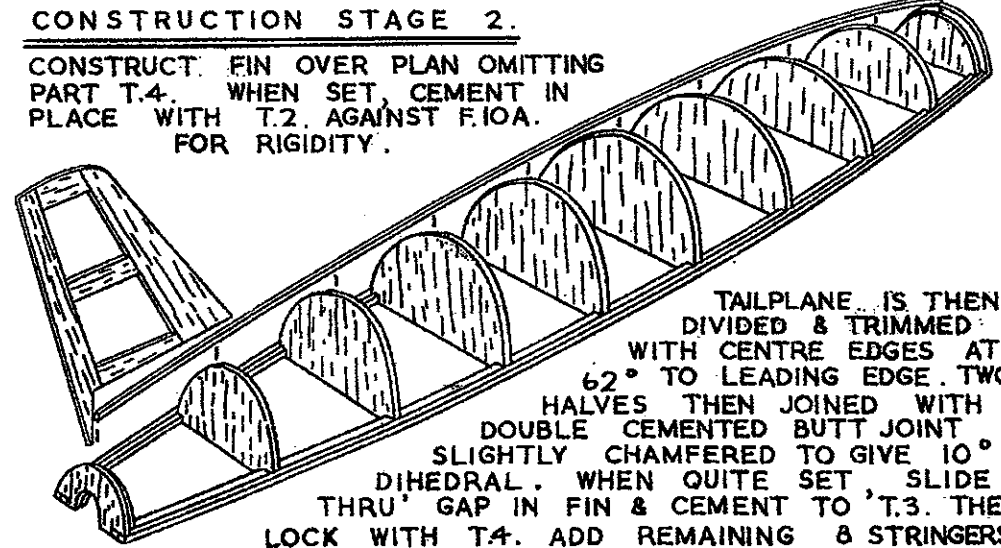
LAY WAXED TISSUE OVER TOP ELEVATION OF PLAN. LAMINATE TWO LENGTHS OF $\frac{1}{16}$ " x $\frac{1}{16}$ " FOR EACH SIDE LONGERON. PLACE PINS EITHER SIDE OF LONGERONS, NOT THRU. THIS FORMS BASIC KEEL BEFORE ERECTION OF FORMERS.



CUT OUT ALL THE FORMERS & DIVIDE EACH ONE HORIZONTALLY THRU ITS CENTRE LINE. ERECT ALL FORMERS AS IN STAGE 2. TOP HALVES ONLY BEING LAID FIRST. CHECK THAT EACH IS UPRIGHT. ADD TOP STRINGER FROM F.1 TO F.10. LOCATE WITH SMALL $\frac{1}{2}$ " PINS (LILLIPINS) & CEMENT.

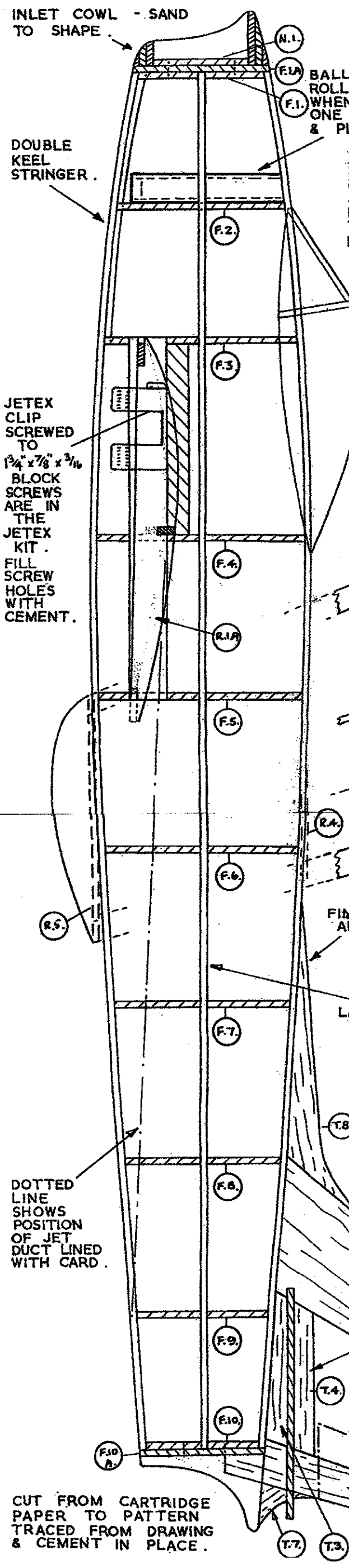
CONSTRUCTION STAGE 2.

CONSTRUCT FIN OVER PLAN OMITTING PART T.4. WHEN SET, CEMENT IN PLACE WITH T.2 AGAINST F.10A. FOR RIGIDITY.



TAILPLANE IS THEN DIVIDED & TRIMMED WITH CENTRE EDGES AT 62° TO LEADING EDGE. TWO HALVES THEN JOINED WITH DOUBLE CEMENTED BUTT JOINT SLIGHTLY CHAMFERED TO GIVE 10° DIHEDRAL. WHEN QUITE SET, SLIDE THRU GAP IN FIN & CEMENT TO T.3. THEN LOCK WITH T.4. ADD REMAINING 8 STRINGERS.

SPAN: 18" LENGTH: $14\frac{3}{4}$ "
WEIGHT (WITHOUT MOTOR): $1\frac{1}{2}$ OZS.



BALLAST COMPARTMENT MADE OF PAPER ROLLED ROUND PENCIL & CEMENTED WHEN SET, TRIM TO LENGTH. BLOCK ONE END WITH Balsa. USE SHOT & PLASTICINE.

SKETCH SHOWING HOW WING STRUCTURE IS BUILT FLAT OVER THE PLAN WITH LEADING & TRAILING EDGES LAID FIRST WITH SLOTS IN TRAILING EDGE SPAR THEN RIBS & TOP SPAR.

ADD COCKPIT COVER AFTER COVERING F/U WITH TISSUE.

JETEX CLIP SCREWED TO $\frac{1}{4}$ " x $\frac{7}{8}$ " x $\frac{3}{16}$ " BLOCK SCREWS ARE IN THE JETEX KIT. FILL SCREW HOLES WITH CEMENT.

DOTTED LINE SHOWS POSITION OF JET DUCT LINED WITH CARD.

CUT FROM CARTRIDGE PAPER TO PATTERN TRACED FROM DRAWING & CEMENT IN PLACE.

SPAR EXTENSIONS ARE CEMENTED AGAINST FORMERS. L/E THRU SLOT IN F.3. SPAR AGAINST R.I.A. & T/E THRU SLOT IN F.5.

FIN FAIRING ADHERED AFTER COVERING.

LAMINATED KEEL STRINGER.

SKETCH SHOWING HOW TAILPLANE WHEN COMPLETED IS SLIPPED THRU GAP IN FIN & SLOT PERMITS IT TO BE LAID FLAT ON F.3. THEN TRAPPED BY INSERTION OF T.4.

OMIT T.4. WHILST BUILDING FIN OVER THE PLAN.

TWO HALVES OF TAIL ARE JOINED AT THEIR CENTRE LINE WITH 62° ANGLES BETWEEN L/EDGES AND C/LINE. JOINT ALSO CHAMFERED TO GIVE 10° DIHEDRAL. WHEN DRYING, SUPPORT ON TIP BLOCKS.

BALLAST TUBE

BASE RIB R.1 IS TILTED FOR DIHEDRAL - USE CARD TEMPLATE ON RIGHT OF PLAN.

BLOCK

SPAR EXTENSIONS ARE CEMENTED AGAINST FORMERS. L/E THRU SLOT IN F.3. SPAR AGAINST R.I.A. & T/E THRU SLOT IN F.5.

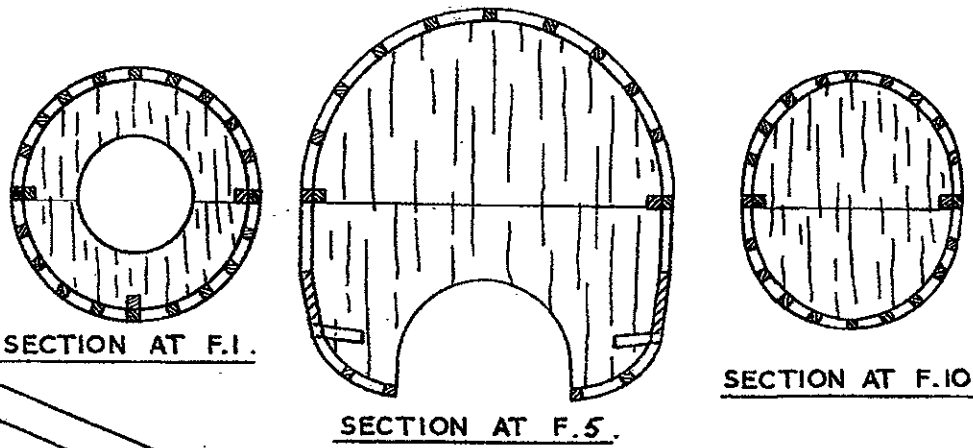
TAIL DIHEDRAL IS 10° , & L/E SWEEPBACK IS 62° .

NOTE ANGLE OF BASE RIB.

SKETCH SHOWING HOW TAILPLANE WHEN COMPLETED IS SLIPPED THRU GAP IN FIN & SLOT PERMITS IT TO BE LAID FLAT ON F.3. THEN TRAPPED BY INSERTION OF T.4.

OMIT T.4. WHILST BUILDING FIN OVER THE PLAN.

TWO HALVES OF TAIL ARE JOINED AT THEIR CENTRE LINE WITH 62° ANGLES BETWEEN L/EDGES AND C/LINE. JOINT ALSO CHAMFERED TO GIVE 10° DIHEDRAL. WHEN DRYING, SUPPORT ON TIP BLOCKS.



SECTION AT F.1.

SECTION AT F.5.

SECTION AT F.10.

CROSS SECTIONS ABOVE ARE TO SHOW STRINGER POSITIONS.

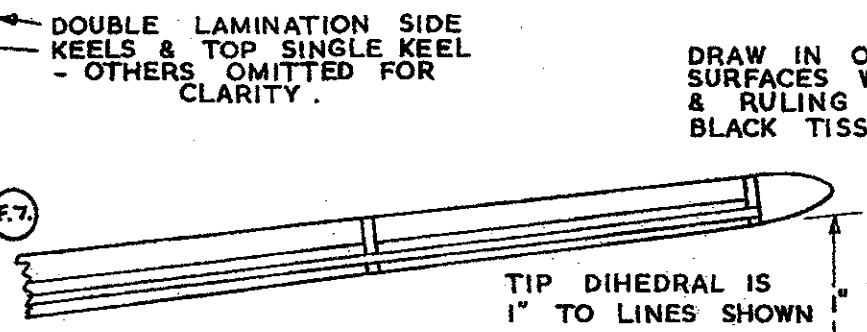
TRACE OUTLINE ONTO THIN CARD & CUT OUT FOR DUCT. TRIM AWAY SURPLUS AFTER CEMENTING IN PLACE.

TRIM OUT THIS PATTERN ONTO THIN CARD & CUT OUT COMPLETE WITH SLOT. ROLL & CEMENT TO F.10A WITH SLOT OVER FIN T.2 - FORMING REAR JET FAIRING.

AFTER USING TIP BLOCK FOR SETTING TAILPLANE DIHEDRAL, CEMENT FIRMLY TO END RIB R.5. WHEN SET, CARVE & SAND TO STREAMLINE.

SKETCH BELOW SHOWS HOW CARD TEMPLATE WITH 18° ANGLE IS USED TO CHECK ANGLE OF BASE RIB R.1, PERMITTING 1° DIHEDRAL.

18° FROM VERTICAL.



TRAILING EDGE $\frac{1}{4}$ " x $\frac{1}{16}$ " RIBS ARE SLOTTED IN $\frac{1}{16}$ ".

DOUBLE LAMINATION SIDE KEELS & TOP SINGLE KEEL - OTHERS OMITTED FOR CLARITY.

DRAW IN OUTLINE OF CONTROL SURFACES WITH BLACK DOPE & RULING PEN OR STRIPS OF BLACK TISSUE DOPED ON.

TIP DIHEDRAL IS 1° TO LINES SHOWN

COVERING. USE TISSUE CUT INTO PANELS STRETCHING FROM FORMER TO FORMER & FROM ONE SIDE KEEL TO THE OTHER TOP & BOTTOM SEPARATELY WITH ALL EDGES OVERLAPPING ABOUT $\frac{3}{16}$ ". MAINPLANES ARE COVERED WITH TISSUE BOTH SIDES BEFORE CEMENTING IN PLACE. WHEN LOCATED & DRY, & WITH FIN COVERED, WATER SPRAY THE WHOLE MODEL THEN DOPE ALL MODEL INCLUDING TAILPLANE. GIVE FUSELAGE AN EXTRA COAT.
BALANCING. WITH UNCHARGED MOTOR IN PLACE, ADD SHOT TO BALLAST TUBE & SECURE WITH PLASTICINE. ADD OR DETRACT SHOT TILL GLIDE IS CORRECT WITH NO TENDENCY TO STALL OR TURN. THEN ADD CHARGE.

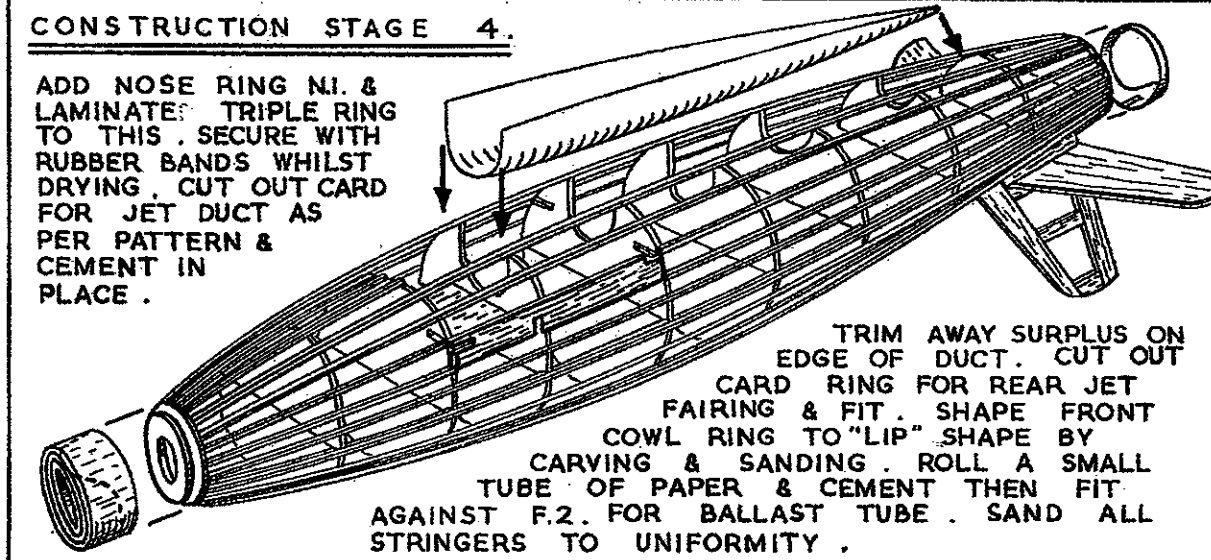
SAND LEADING & TRAILING EDGES OF BOTH FIN & TAILPLANE TO REASONABLE STREAMLINE WITHOUT WEAKENING THE STRUCTURE.

COLOUR SCHEME

NATURAL ALUMINIUM FINISH ALL OVER. SOME HAVE RED COLOURED NOSE INTAKES WHILST OTHERS COLOURED FIN FLASHES, SODRN NOS ARE SET BETWEEN F/U INSIGNIA & STABILIZER ARE ALL BLACK. FOR THE AMERICAN INSIGNIA - SEE ILLUSTRATION ON BOX LID.

CONSTRUCTION STAGE 4.

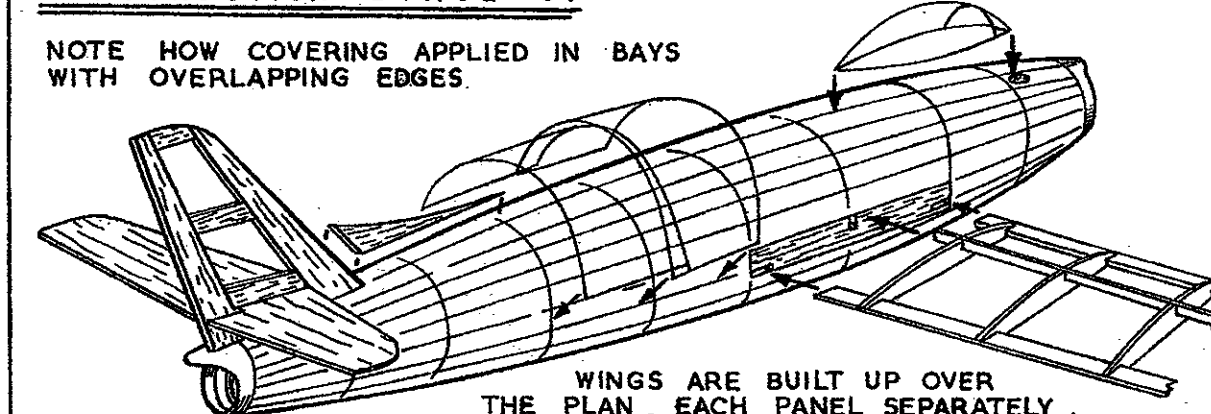
ADD NOSE RING N.1 & LAMINATE TRIPLE RING TO THIS. SECURE WITH RUBBER BANDS WHILST DRYING. CUT OUT CARD FOR JET DUCT AS PER PATTERN & CEMENT IN PLACE.



TRIM AWAY SURPLUS ON EDGE OF DUCT. CUT OUT CARD RING FOR REAR JET FAIRING & FIT. SHAPE FRONT COWL RING TO "LIP" SHAPE BY CARVING & SANDING. ROLL A SMALL TUBE OF PAPER & CEMENT THEN FIT AGAINST F.2. FOR BALLAST TUBE. SAND ALL STRINGERS TO UNIFORMITY.

CONSTRUCTION STAGE 5.

NOTE HOW COVERING APPLIED IN BAYS WITH OVERLAPPING EDGES.



WINGS ARE BUILT UP OVER THE PLAN, EACH PANEL SEPARATELY. MUST BE COVERED WITH TISSUE (BUT NOT DOPED) BEFORE OFFERING UP WITH EXTENSIONS THRU SLOTS IN R.I.A. & CEMENTED AGAINST FORMERS. ADD FIN FAIRING & COCKPIT AFTER COVERING. COVER FIN BOTH SIDES. SEE DETAILS ELSEWHERE ON COVERING ETC..