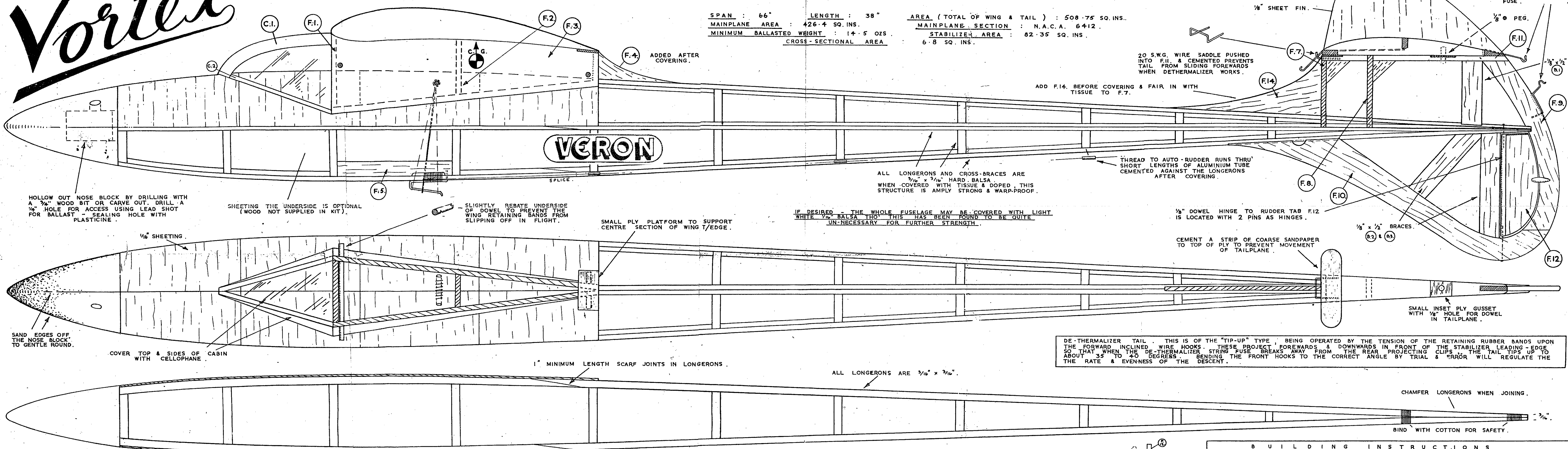


Vortex

66" SPAN 'NORDIC' SAILPLANE

DESIGNED, DRAWN & TRACED BY PHIL SMITH.

SPAN : 66" LENGTH : 38" AREA (TOTAL OF WING & TAIL) : 508.75 SQ. INS.
 MAINPLANE AREA : 426.4 SQ. INS. MAINPLANE SECTION : N.A.C.A. 6412.
 MINIMUM BALLASTED WEIGHT : 14.5 OZS. STABILIZER AREA : 62.35 SQ. INS.
 CROSS-SECTIONAL AREA : 6.8 SQ. INS.



1. SELECT FOUR MAIN LONGERONS OF HARD 3/16" BALSAM; SPLICE EXTRA LENGTHS ON TO MAKE FULL LENGTHS OF 36". LAY TWO STRIPS IN PLACE OVER PLAN ON WAXED TISSUE & PIN IN PLACE. PINNING EITHER SIDE. NOTE THRU THE WOOD. CROSSPIECES IN FOURS TO ENSURE IDENTICAL LENGTHS. BUILD SECOND SET IMMEDIATELY OVER TOP OF FIRST. WHEN DRY -

2. ADD REMAINING CROSSPIECES CHECKING AT ALL TIMES FOR SQUARENESS & ALIGNMENT. SHEET 1/8" SHEET TWO 7/8" x 1/2" STRIPS TO FORM LOWER EDGES OF F.3 SIDES.

3. FITTING TO THE SIDE SHEETING. ADD HOOK AND AUTO RUDDER GEAR. CEMENT SIDES VERY FIRMLY IN PLACE THEN FORWARD CABIN STRUTS CUT FROM SPARE 1/8" SHEET TWO 7/8" x 1/2" STRIPS TO FORM LOWER EDGE OF COCKPIT TO WHICH THE CELLOPHANE PANELS MAY BE ADHERED WITH A VERY LIGHT COAT OF CEMENT. ADD 7/8" DOWELS THRU CABIN FORM BANDS. ADD NOSE BLOCK AFTER HOLLOWING FOR BALLAST BOX.

4. REMOVE FROM PLAN SEPARATE WITH A RAZOR BLADE SET UP TWO SIDES AS ABOVE & ADD CENTRE CROSSPIECES PULL TOGETHER AT REAR & JOINTS & BIND WITH THREAD RUBBED WITH CEMENT.

