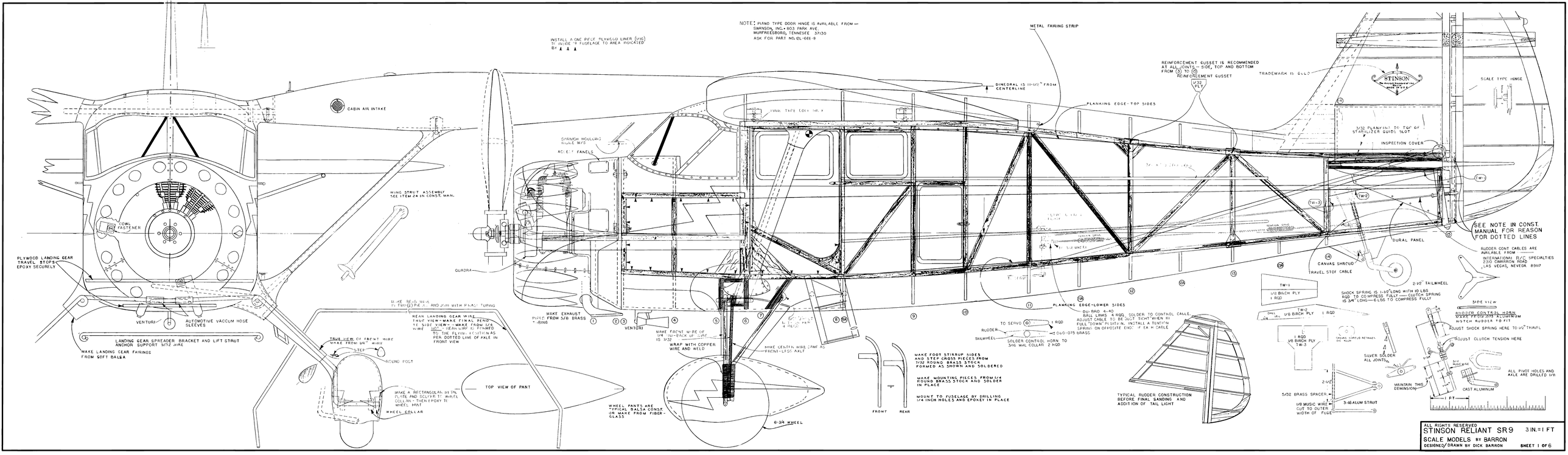


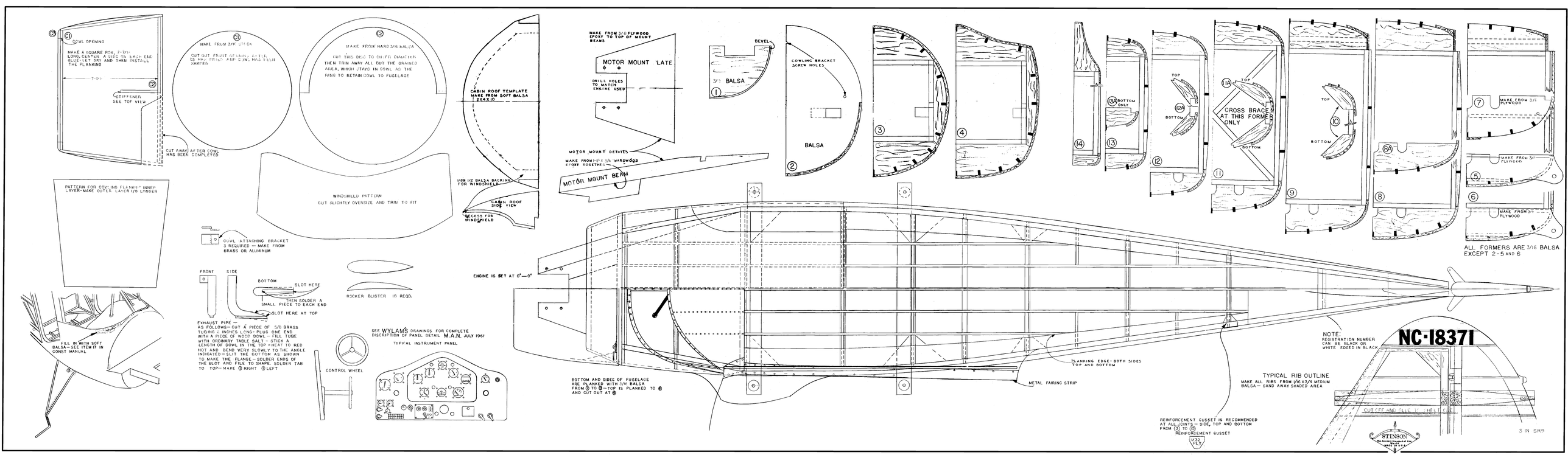
ALL RIGHTS RESERVED

STINSON RELIANT SR9 3 IN. = 1 FT

SCALE MODELS BY BARRON

DESIGNED/DRAWN BY DICK BARRON

SHEET 1 OF 6



COWL OPENING
MAKE A SQUARE BOX, 7-7/1 LONG, CENTER A DISC ON EACH END GLUE-LET DRY AND THEN INSTALL THE PLANKING
7-7/1
STIFFENER SEE TOP VIEW
CUT AWAY AFTER COWL HAS BEEN COMPLETED
MAKE FROM 3/16 STOCK
CUT OUT FRONT OF LINING AFTER 03 HAS FRIED AND COWL HAS BEEN SHAPED
MAKE FROM HARD 3/16 BALSA
CUT THIS DISC TO OUTER DIAMETER THEN TRIM AWAY ALL BUT THE GRAINED AREA, WHICH STAYS IN COWL AS THE RING TO RETAIN COWL TO FUSELAGE
CABIN ROOF TEMPLATE MAKE FROM SOFT BALSA 2X4X10
1/8 X 1/2 BALSA BACKING FOR WINDSHIELD
CABIN ROOF SIDE VIEW
RECESS FOR WINDSHIELD
MAKE FROM 3/8 PLYWOOD EPOXY TO TOP OF MOUNT BEAMS
MOTOR MOUNT PLATE
DRILL HOLES TO MATCH ENGINE USED
MOTOR MOUNT DETAILS
MAKE FROM 1/16 X 3/4 HARDWOOD EPOXY TOGETHER
MOTOR MOUNT BEAM
BEVEL
3/8 BALSA
COWLING BRACKET SCREW HOLES
BALSA
BOTTOM ONLY
TOP
BOTTOM
CROSS BRACE AT THIS FORMER ONLY
MAKE FROM 3/8 PLYWOOD
MAKE FROM 3/8 PLYWOOD
MAKE FROM 3/8 PLYWOOD
ALL FORMERS ARE 3/16 BALSA EXCEPT 2-5 AND 6
PATTERN FOR COWLING PLANKING INNER LAYER-MAKE OUTER LAYER 1/8 LONGER
WINDSHIELD PATTERN
CUT SLIGHTLY OVERSIZE AND TRIM TO FIT
COWL ATTACHING BRACKET 3 REQUIRED — MAKE FROM BRASS OR ALUMINUM
FRONT
SIDE
BOTTOM
SLOT HERE
THEN SOLDER A SMALL PIECE TO EACH END
SLOT HERE AT TOP
ROCKER BLISTER 18 REQD.
EXHAUST PIPE — AS FOLLOWS — CUT A PIECE OF 5/8 BRASS TUBING 2 INCHES LONG — PLUG ONE END WITH A PIECE OF WOOD DOWL — FILL TUBE WITH ORDINARY TABLE SALT — STICK A LENGTH OF DOWL IN THE TOP — HEAT TO RED HOT AND BEND VERY SLOWLY TO THE ANGLE INDICATED — SLIT THE BOTTOM AS SHOWN TO MAKE THE FLANGE — SOLDER ENDS OF THE SLOT AND FILE TO SHAPE. SOLDER TAB TO TOP — MAKE ⓪ RIGHT ⓪ LEFT
FILL IN WITH SOFT BALSA — SEE ITEM 17 IN CONST MANUAL
CONTROL WHEEL
SEE WYLAM'S DRAWINGS FOR COMPLETE DISCRIPTION OF PANEL DETAIL M.A.N. JULY 1961
TYPICAL INSTRUMENT PANEL
ENGINE IS SET AT 0°—0°
BOTTOM AND SIDES OF FUSELAGE ARE PLANKED WITH 3/16 BALSA FROM ⓪ TO ⑧ — TOP IS PLANKED TO ⑥ AND CUT OUT AT ⑥
PLANKING EDGE-BOTH SIDES TOP AND BOTTOM
METAL FAIRING STRIP
REINFORCEMENT GUSSET IS RECOMMENDED AT ALL JOINTS — SIDE, TOP AND BOTTOM FROM ⓪ TO ⑨
REINFORCEMENT GUSSET
1/32 PLY
NOTE: REGISTRATION NUMBER CAN BE BLACK OR WHITE EDGED IN BLACK
NC-18371
TYPICAL RIB OUTLINE
MAKE ALL RIBS FROM 1/16 X 3/4 MEDIUM BALSA — SAND AWAY SHADED AREA
CUT OFF AND GLUE IN SHEET CORE
STINSON
3 IN SR9

PITOT TUBE IS ON LEFT WING ONLY

SPARS ARE MADE FROM 3/8 SQUARE HARD BALSA
OR PINE WITH EDGES SANDED ROUND.
OR SELECTED 3/8 DOWLS CAN BE USED

NOTE- USE NYROD TYPE CONTROL RODS GLUED TO EACH RIB FOR AILERONS AND FLAPS, FROM CONTROL HORNS TO SERVOS

NAVIGATION LIGHT
RED-LEFT GREEN-RIGHT

TOP PLANKING

BOTTOM PLANKING

TIE DOWN LOCATION

LANDING LIGHT

MODIFIED BELLCRANK

LICENCE NUMBER IS BLACK OR WHITE WITH PINSTRIPE
TOP OF RIGHT WING
LOWER LEFT WING

SCRAP BALSA REINF

FUEL FILL

TANK VENT

1/8 PLYWOOD

T NUT AND PINE BLOCK FOR STRUT ATTACHMENT GLUE AND SCREW FIRMLY TO PLY RIB

PLYWOOD BASE

NYLON BELL CRANK

AILERON LEADING EDGE PLANKING

PLYWOOD HINGE-PIN AND REINFORCEMENT

MUSIC WIRE HINGE PINS EPOXY IN PLACE

SCRAP BALSA GUSSETS

UPPER PINSTRIPE

LOWER PINSTRIPE

1/8 PLANKING TO LEADING EDGE ON RIBS (1)-(A) TOP-BOTTOM

HINGE/CONTROL HORN

LEADING EDGE OF FLAP

HINGE-EPOXY IN PLACE

REINF. THIS RIB WITH 1/8 STOCK

AILERON CENTER PIVOT
MAKE FROM PLYWOOD

AILERON BELLCRANK MOUNT 1/4 PLY
2 REQD

2 REQD

WING TIP TEMPLATE — 1/8 BALSA

FLAP BELLCRANK BASE
1/4 PLY
2 REQD

ADJUST FLAPS FOR 30° MAX DOWN

TOP

RIB 10

RIB 7

TOP

RIB 7

PATTERN FOR PLANKING LOWER TRAILING EDGE OF WING AT FLAP BAY
see rib side view at flap location

RIB 1

MAKE FROM 1/16 BALSA

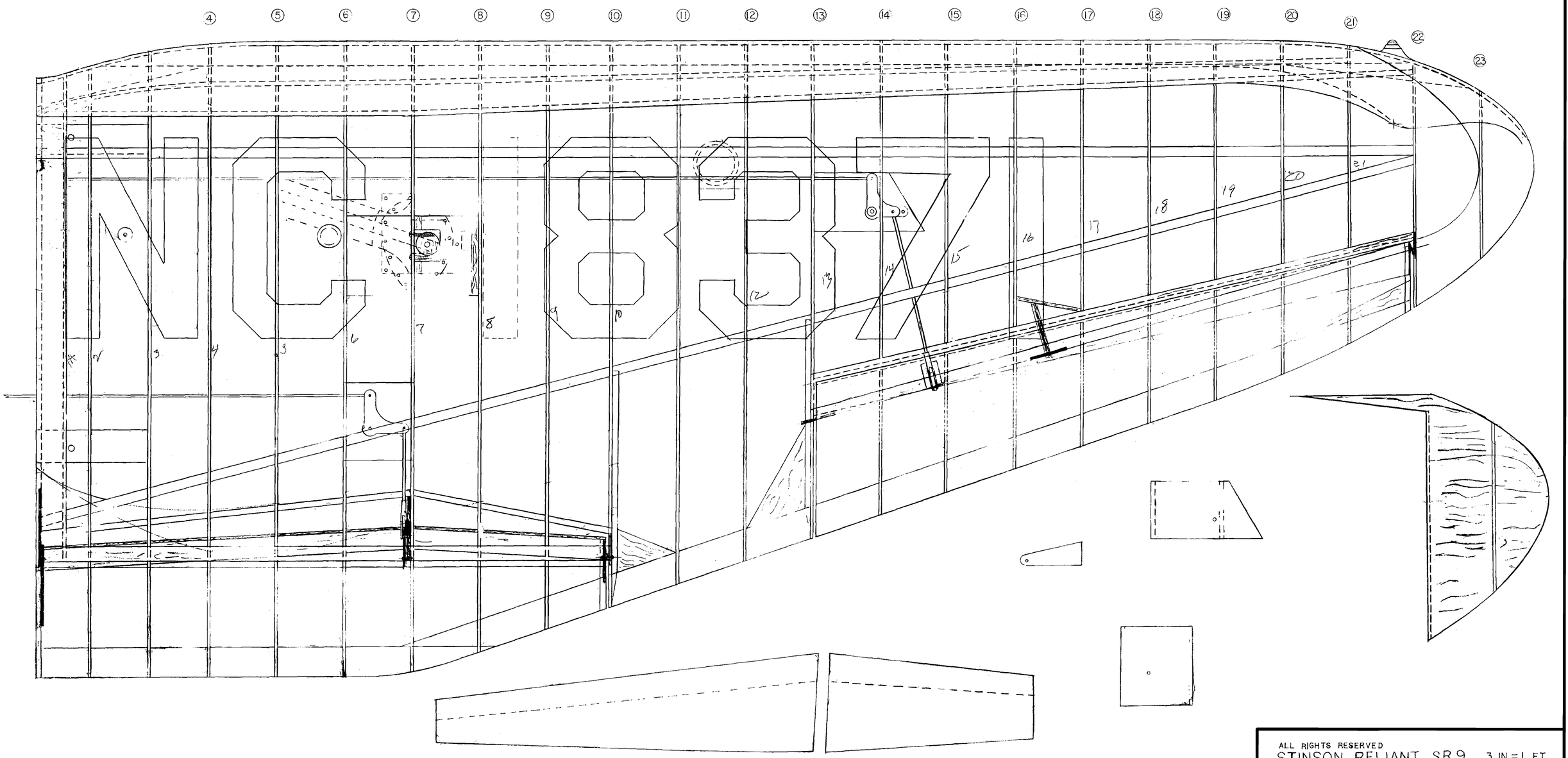
1 FT

ALL RIGHTS RESERVED

STINSON RELIANT SR 9 3 IN = 1 FT

SCALE MODELS BY BARRON

DESIGNED DRAWN BY DICK BARRON



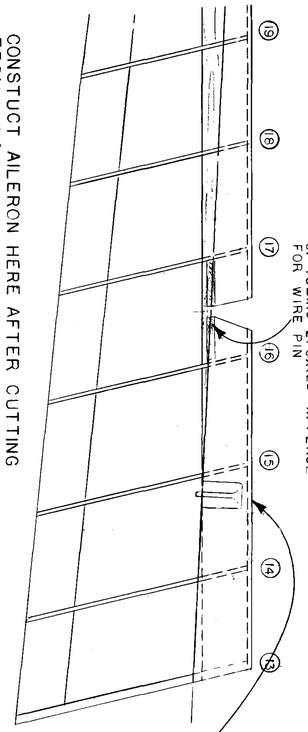
ALL RIGHTS RESERVED

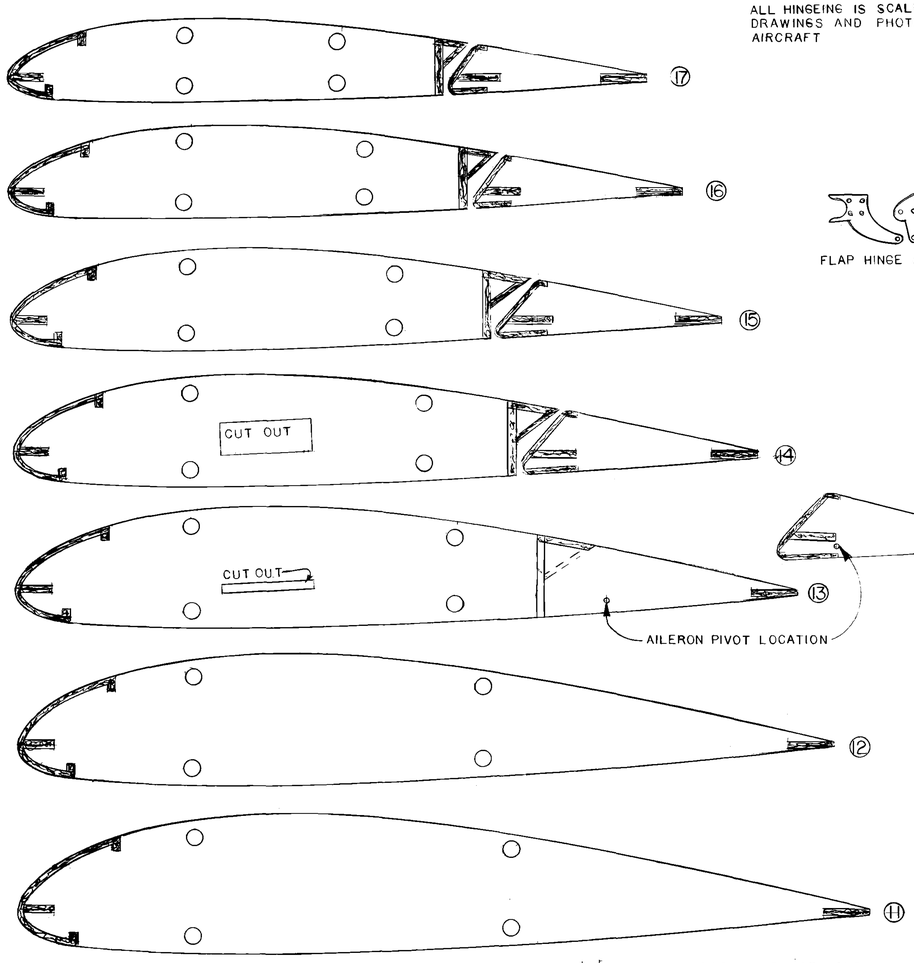
STINSON RELIANT SR9 3 IN = 1 FT

SCALE MODELS BY BARRON

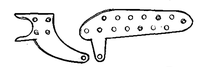
DESIGNED DRAWN BY DICK BARRON

SHEET 4 OF 6

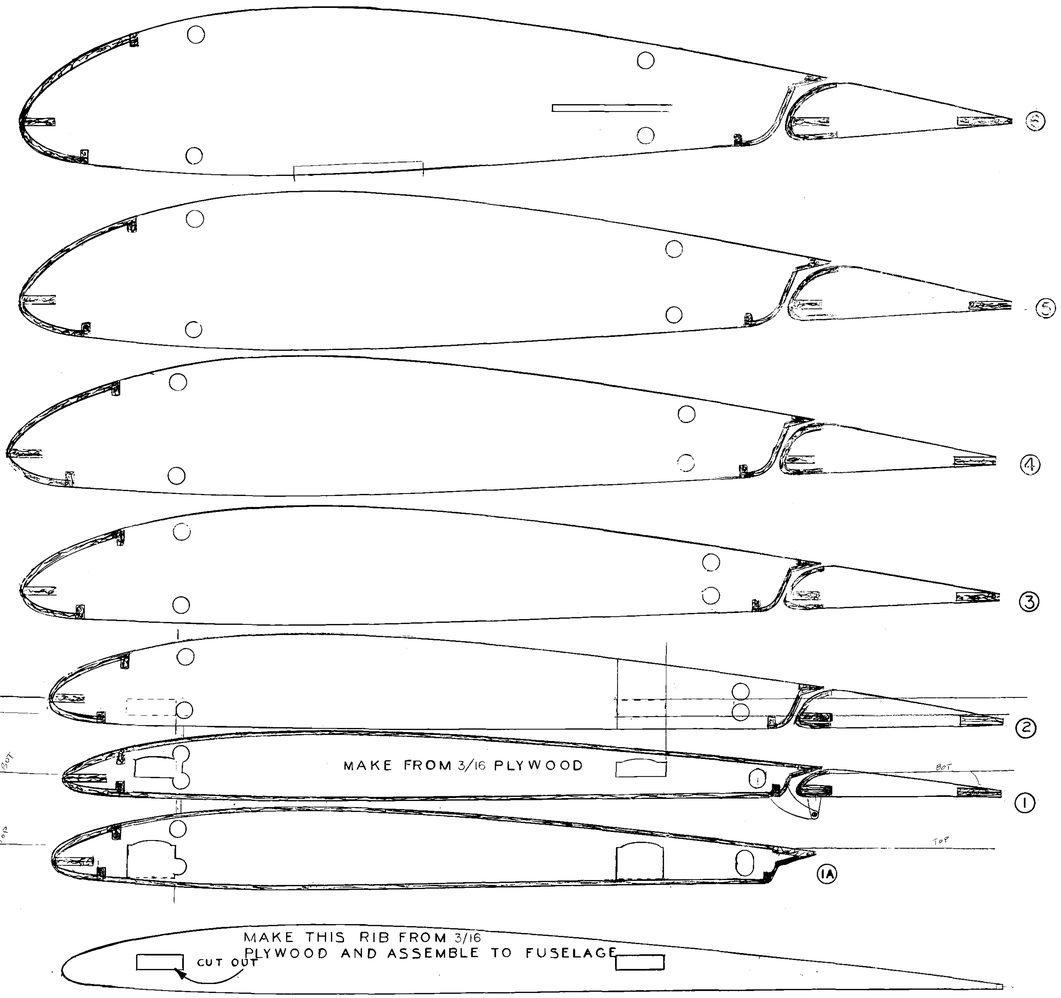




ALL HINGEING IS SCALED FROM FACTORY DRAWINGS AND PHOTOS OF FULL SCALE AIRCRAFT

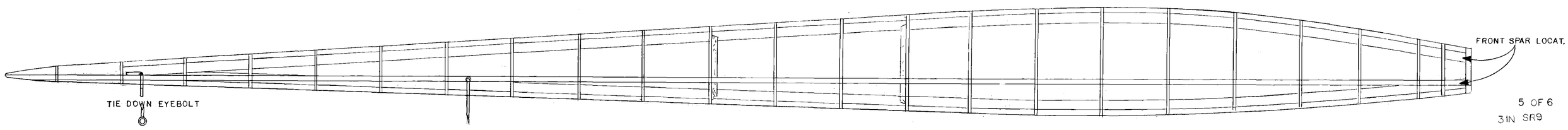


FLAP HINGE AT RIB ①



NOTE- ALL RIB STITCHING IS ON ONE INCH CENTERS INSIDE PROPELLER DIAMETER AND ON TWO INCH CENTERS OUT SIDE PROPELLER DIAMETER

NOTE- AFTER WING IS COMPLETED, SAND TRAILING EDGE TO APPROX. 1/16" THICK



PITOT TUBE IS ON LEFT WING ONLY

MAKE ALL HINGES FROM 030/060 ALUMINUM

STAB BRACE BRACKET

MAKE FROM 060 ALUMINUM OR BRASS
EPOXY IN PLACE

STABILIZER RIBS 2 OF EACH REQD