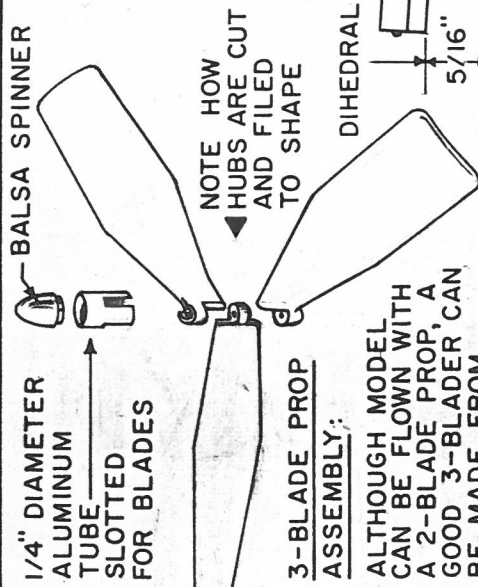


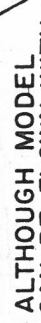
1/4" DIAMETER ALUMINUM TUBE SLOTTED FOR BLADES



NOTE HOW HUBS ARE CUT AND FILED TO SHAPE

DIHEDRAL

5/16"



3-BLADE PROP ASSEMBLY:

ALTHOUGH MODEL CAN BE FLOWN WITH A 2-BLADE PROP, A GOOD 3-BLADE PROP CAN BE MADE FROM NORTH PACIFIC "SKEETER" PLASTIC PROPS, AS SHOWN ABOVE. AFTER BLADES ARE FITTED TOGETHER AND INSERTED INTO ALUMINUM TUBE, FILL TUBE WITH EPOXY. AFTER THE ASSEMBLY HAS HARDENED, TRIM EACH BLADE TIP SLIGHTLY, AND BALANCE.

MOUNT WIRE BETWEEN TWO SHEETS OF 1/32" HARD Balsa. GLUE WELL!



.020 MUSIC WIRE

LOWER LANDING GEAR

CARVED Balsa FORM USED TO STRETCH MOLD OR VAC-U-FORM CLEAR PLASTIC WINDSHIELD.



NOTE: NOSE BLOCK UNPLUGS FOR WINDING

PAPER VANES

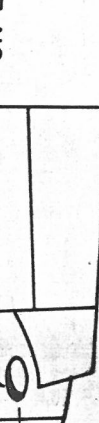
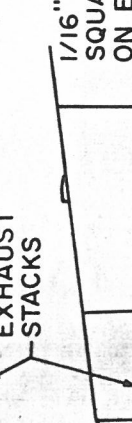
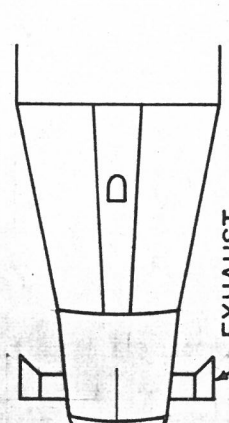
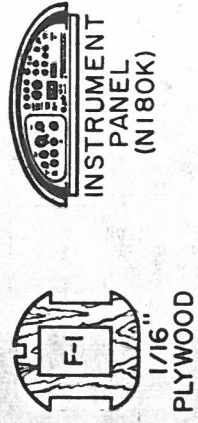
ALUMINUM TUBE PROP SHAFT BEARING

EXHAUST STACK

INSTRUMENT PANEL (N180K)

PLYWOOD

NOTE: INDIVIDUAL PILATUS PORTERS VARY IN DETAILS, SUCH AS SIDE WINDOW SHAPES, AIR SCOOP AND EXHAUST STACK SHAPES AND SIZES, ANTENNA LOCATION, ETC. CONSULT REFERENCES FOR ADDITIONAL INFO.



NOTE: PORTERS EQUIPPED WITH PT-6 TURBINE, FEATURE THIS NOSE.

THRUST WASHER F-1

F-2 F-3

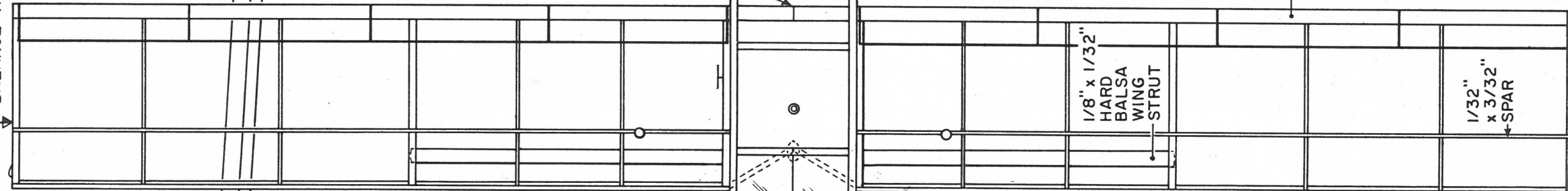
1/16" SQUARE ON EDGE

ENTIRE NOSE IS COVERED WITH BOND PAPER OR 1/64" SHEET Balsa.

SEE NOTE # 0

SCALE PROP LOCATION AND DIAMETER (THREE BLADES)

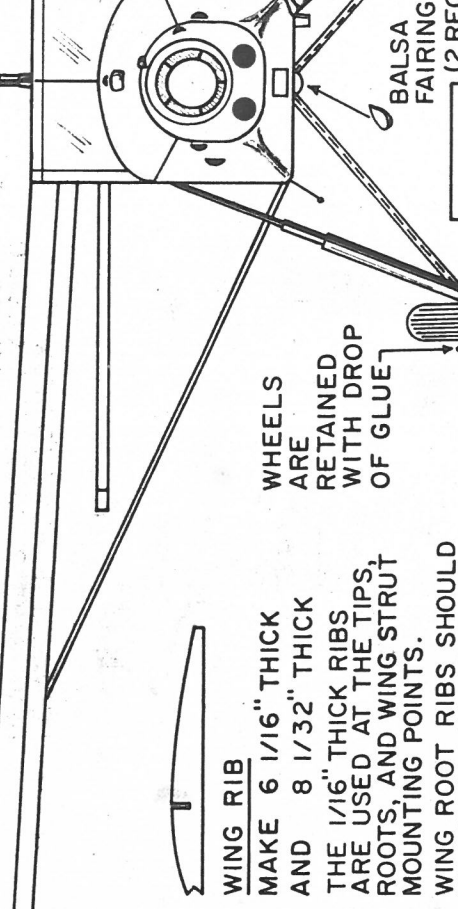
BALANCE HERE



NOTES: ① SCALE DOWNTHRUST IS SHOWN. OUR TEST MODELS REQUIRED SLIGHTLY MORE, PLUS ABOUT 3° RIGHT THRUST. THIS MAY BE "BUILT IN" IF DESIRED. FINAL MINOR ADJUSTMENTS ARE MADE BY ADDING SHIMS TO BACK OF NOSE BLOCK.

② FOR A VERY LIGHT MODEL, THE LANDING GEAR CAN BE MADE RIGID, AND ALL STRUTS CAN BE MADE FROM HARD Balsa. FOR HEAVIER MODEL LANDING GEAR, BAMBOO STRUTS ARE SUGGESTED.

ALTERNATIVELY, THE REAR STRUTS MAY BE OMITTED, TO ALLOW THE LANDING GEAR TO FLEX REARWARD UNDER LOAD.



WING RIB MAKE 6 1/16" THICK AND 8 1/32" THICK THE 1/16" THICK RIBS ARE USED AT THE TIPS, ROOTS, AND WING STRUT MOUNTING POINTS.

WING ROOT RIBS SHOULD BE INSTALLED AT A SLIGHT ANGLE FOR DIHEDRAL.

WHEELS ARE RETAINED WITH DROP OF GLUE

POWER: 1 LOOP OF 2mm PIRELLI

WING TRAILING EDGES MEET IN CENTER OF FUSELAGE

1/16" SQUARE FIN MOUNT

BAMBOO REAR RUBBER PEG

NOTE: FOR CLARITY FIN AND RUDDER ARE NOT SHOWN IN THIS VIEW.

STABILIZER TIP NOT USED ON N180K BUT FITTED TO OTHER PORTERS (MAKE FROM BOND PAPER)

RED TIPS

REFERENCES

THE AOPA PILOT	DECEMBER 1963
"	OCTOBER 1965
FLYING	APRIL 1962
"	DECEMBER 1965
AVIATION WEEK	DECEMBER 17, 1962
"	OCTOBER 4, 1964
FLUGWELT	HEFT 11 1965
FLUGZEUGE AUS ALLER WELT	1966
MODEL AIRPLANE NEWS	AUGUST 1968

SPECIFICATIONS

WING SPAN: 49' 10"

WEIGHT (EMPTY): 2,245 LBS.

MAX SPEED: 174 MPH

CRUISING SPEED: 155 MPH

COLOR SCHEME (N180K)

OVERALL: WHITE.

NOSE SPINNER, FUSELAGE STRIPES, WING TIPS, STAB/ELEVATOR TIPS, FIN/RUDDER TRIANGLE: RED.

NUMBERS, LETTERING, TIRES: BLACK.

ALL STOCK IS Balsa UNLESS OTHERWISE INDICATED.

NOTE: SANDPAPER LONGERONS AFTER ASSEMBLY TO ROUND CORNERS AS SHOWN

A-A

RED WING TIPS

BOND PAPER

PAPER ANTENNA

1/16" SHEET

RED LIGHT

STEP

LIGHT

SEE NOTE # 2

Balsa WHEELS

SCALE

PEANUT SCALE

PILATUS TURBO-PORTER
 TURBOMECA ASTAZOU ENGINE
 DRAWN BY W.C. HANNAN
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FUSELAGE SIDES ARE CONSTRUCTED OF 1/16" SQUARE Balsa. SIDE WINDOWS ARE CELLOPHANE.