WING PLAN
WING PLAN SHOWN WITHOUT DIHEDRAL ASSEMBLE OUTER PANELS FROM W-1 TO TIP, EXCEPT RIB W-1 - THEN ELEVATE TIPS 1-3/4" AND COMPLETE CENTER SECTION.
TIP LEADING EDGE 1/4" SHEET
LEADING EDGE 1/8" x 1/4"
TIP TRAILING EDGE 1/8" SHEET
TRAILING EDGE 1/8" x 3/8"
SEW AND GLUE WIRE TO GUSSET AND RIB
3/32" x 3/32" FAIRING BOTTOM ONLY
W-1
W-2
W-3
W-4
W-5
W-6
W-7
W-8
W-9
WING RIBS 1/16" SHEET, 2 EACH REQUIRED EXCEPT 8 W-2
SPAR GUSSETS 1/16" BALSA EXCEPT 1/16" PLYWOOD W-9
3/32" x 3/16"
3/32" x 3/32" SPAR & RIBS 1/16" x 3/32" STRIPS OVER RIBS
SCALE OUTLINE
STAB. PLAN
DIHEDRAL 1-3/4" (SCALE 1-3/16")
1/16" HARDWOOD DOWEL
.050 MUSIC WIRE
PLASTIC FAIRING
FRONT VIEW
1/16" x 1/16" STRINGERS
STABILIZER POSITION
FAIRING STRINGERS NOT SHOWN THIS SIDE ℄ TO REVEAL 1/8" x 1/8" FRAME
F-1
F-2
F-2A
F-2B
F-3
F-3A
F-4
F-5
F-6
F-7
F-8
F-9
F-10
F-11
F-12
COWL FRONT OUTLINE
TYPICAL 1/32" SHEET NOSE COVERING
DOWEL
1/16" PLYWOOD
REMOVABLE COWL HELD IN PLACE BY DRESS SNAPS AND DOWEL
FUSELAGE TOP VIEW
TYPICAL TAIL RIB
CANOPY FORMED BY STRETCHING HEATED .030" ACETATE OVER WOODEN FORM
FUSELAGE CONSTRUCTION: (1) BUILD 2 SIDE FRAMES (SHADED) (2) INVERT SIDE FRAMES OVER TOP VIEW & JOIN WITH CROSS MEMBERS (3) CEMENT FORMERS TO PLACE (4) ATTACH FAIRING STRINGERS (5) COVER NOSE WITH SHEET BALSA
SHADED AREA OF NOSE COVERED WITH 1/32" SHEET BALSA
1/16" x 1/16" FAIRING STRINGERS
1/16" SHEET STAB MOUNT
1/8" SHEET
DOWEL
CUT FROM BALSA BLOCK
BALSA FAIRING
WING ATTACHED BY RUBBER BANDS LOOPED OVER DOWELS OR MAY BE CEMENTED PLAST
HOLDING BLOCKS
1/8" x 1/8" PRIMARY FUSELAGE STRUCTURE
CUT FORMER F-11 AT ASSEMBLY TO ADMIT STABILIZER
BALSA WHEEL & BAMBOO STRUT
SIDE VIEW
SECTIONAL VIEW OF NOSE SHOWING "PEE WEE" D20 ENGINE INSTALLATION
1-3/8" BALSA WHEELS
4-1/2" DIAMETER, 3" PITCH PROPELLER IS RECOMMENDED
FUSELAGE FORMERS 1/16" SHEET BALSA EXCEPT AS NOTED
SCALE IN INCHES
0 1 2 3 4 5 6 7 8
PIEL CP-301B "EMERAUDE"
designed & drawn by
EARL F. STAHL
A PIEL FLIGHT PLANE SCALE WHEEL OF A POPULAR FASHION LIGHTPLANE