sterling's FAIRCHILD PT-19

modified by: Ray Clapper

W2

W2A

W3

W4

W4A

INDICATES FALSE RIB

INDICATES CUT LINE FOR FLAPS

3/8X 3/4X 3/4 HARDWOOD TORSION BLOCK-DRILL TO SUIT WIRE SIZE.

3/8X 3/4 HARDWOOD LANDING GEAR BLOCK GROOVE TO SUIT WIRE SIZE.

3/16" HARDWOOD DOWEL

BALSA FILLER

5/8"X 7/8" BALSA LEADING EDGE.

INDICATES WHEEL CENTER LINE.

W5

W6

FRONT WING SPAR TAPER AS SHOWN

1/4 SHEET BALSA WING TIP

W9

W7

W8

1/16 PLYWOOD BELLCRANK MOUNT.

90° BELLCRANK

W10

W1

W1A

BONNER 4RS SERVO LAYOUT

MICRO AVIONICS SERVO LAYOUT.

1/16 SHEET BALSA BOX.

1/4X1/2 BALSA SPAR

INDICATES AILERON PUSHROD.

1/4X5/16 BALSA SPAR

1/16" SHEET

.040 FLAP CONTROL HORN - PIANO WIRE.

1/4 WRAP AND SOLDER

BALSA FILLER

REAR WING SPAR-TAPER AS SHOWN.

AILERON

1/16 SHEET TOP AND BOTTOM.

FLAPS

HOLE FOR CAMLOC

1-5/8" DIHEDRAL-EACH WING PANEL.

F1

1/8 PLYWOOD

F1A

F1B

F1C

F2

F2A

F2B

F2C

F3

F3A

F3B

F3C

Note:
USE DIHEDRAL ANGLE AS TEMPLATE TO LAYOUT PLYWOOD (1/8) WING JOINERS W10

CRASH/TURNOVER STRUCTURE

1/8 DIA. BRASS TUBE SOLDERED.

Note:
USE HINGES OF YOUR PREFERENCE FOR ALL CONTROL SURFACES.

INDICATES SCALE COWL

1/16" SHEET

SPLIT NEOPRENE FUEL LINE COAMING.

1/16" SHEET

1/8" SQ. STRINGER - TYP. 8 PLACES.

3/16"SQ. UPRIGHT AND CROSS BRACES.

1/4" SQ.

1/4" SHEET

1/4" SHEET

F7A

F8A

F9A

F10A

F11A

F1B

F2

F3

F4

F6A

F7

F8

F9

F10

F11

F12

1/4X9/16 BALSA

1/8X1/4 STRINGERS

SOLID BLOCK

1/4 SQ.

RUDDER PUSHROD

ELEVATOR PUSHROD

BONNER TAIL WHEEL ASSEMBLY

.15-.25 ENGINE

BOTTOM COWL VENT-1/16 BALSA

F3B-1/8 PLYWOOD WITHOUT NOTCHES

1/8 PIANO WIRE

2-1/2" DU BRO WHEEL

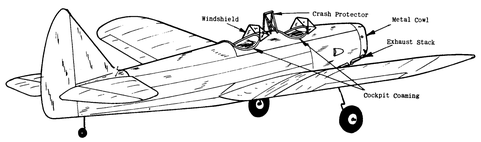
CG

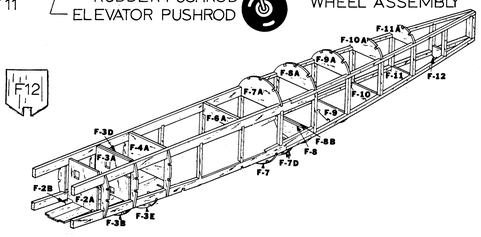
deBOLT CAMLOC

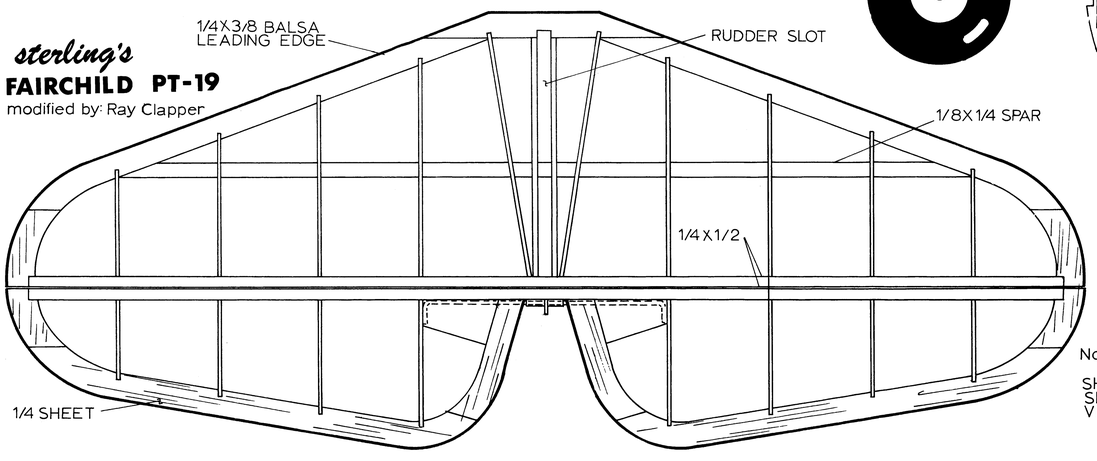
F7-1/8 PLYWOOD WITHOUT NOTCHES

1/8X1/4 STRINGER

3/16" SQ. LONGERONS







Note:
STABILIZER RIBS 1/16X5/8 SHEET SHAPED TO CONTOUR SHOWN ON FUSELAG SIDE VIEW.