leading edge 1/16 x 1/8 balsa

root ribs 1/16 solid balsa

dihedral 1/4" under each tip

tips 1lb./cu. ft. density expanded Polystyrene foam

L.E. 1/20 x 1/20 balsa

spars 1/32 x .11 balsa

T.E. 1/20 x 1/20 balsa

main spar 1/32 x .32 balsa, notched for top ribs

dihedral keeper 1/16 x .32

rear spar 1/32 x 1/8 balsa

license number on upper right & lower left wing surface

trailing edge 1/16 x 1/8 balsa

stab and rudder made with rectangular ribs. Then sanded to shape.

stab rib – 1/32 balsa
rudder ribs – 1/32 x .20

front cowl formers show by dashed lines

instrument panel cowl wrapped with 1/64 balsa

cheek formers 1/32 balsa

original model used 5-1/2" dia. Williams Bros. prop plus 14" loop of 1/8" Pirelli rubber

SECTION B–B

instrument panel former–make two from 1/32 balsa

cabin brace 1/64 ply

windows .003 acetate (art store)

reinforcement 1/64 plywood

cowl wrapped with 1/32 balsa

formers 1/16 balsa

basic fuselage sides are vertical grain 1/64 balsa with 1/20 x 1/20 longerons

SECTION A–A

upper rib 1/32 x 3/32

lower rib 1/32x 1/16

1/64 balsa sheet top & bottom

1/32 balsa former

SECTION E–E

carve from 3/16 sq. ft. sheet

N122A

L.E. 1/20 x 1/20

trailing edge 1/32 x 3/32

dorsal fin 1/64 balsa

1/8 balsa

1/32 x .15 tapers to 1/32 x .11

1/32 x .20, tapers to 1/32 x .17

1/16 dia. aluminum tube

this line is the top of section D-D only

root rib

formers 1/32 balsa typical

1/32 balsa cabin sides

gear fairings from 3/32 balsa

landing gear – section D-D only

all landing gear from .020 music wire

SECTION D–D

section C-C identical except as noted

hub cap .010 sheet styrene

cheek former

details from 1/16 dia. plastic insulation

details .010 sheet styrene

wheels – five laminations of 1/16 balsa, 1/16 dia. al tube hub

rear cabin former 3/16 sheet

A B C D E

FLETCHER FL-23

COLOR SCHEME - ALL SILVER WITH BLACK LETTERING & ANTI-GLARE PANEL

CHAS. SCHAAF 2-21-77