FORMERS 3, 4, 10, 11, 12 NO CHANGE

5, 6, 7 CUTOFF TURTLE DECK AND ROUND WITH CIRCLE TEMPLATE

8 CUTOFF FOR CANOPY PLATFORM

5

6

7

8

9A

1¼ DIA

9

TURTLE DECK FROM FORMER 9 AFT DEVELOPED WITH LONGITUDINAL TRIANGULAR LONGIRONS

NOTE: ON 8 AND 9 YOU WILL HAVE TO ADD SOME INTERNAL MATERIAL AT THE TOP BECAUSE THE CUTOFF IS INSIDE THE INTERNAL LINES
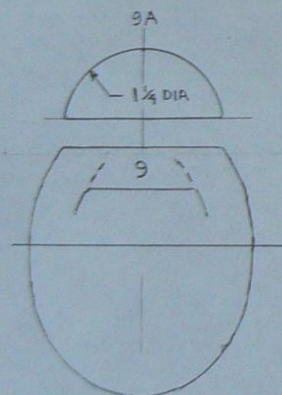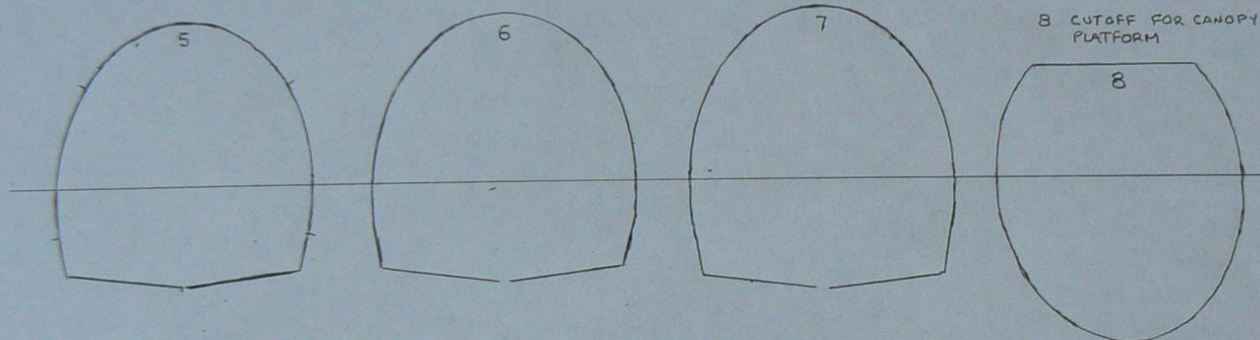
9 CUTOFF AND ADD NEW TURTLE DECK 9A

LOCKHEED ALTAIR

JOHN DONELSON 2-17-12
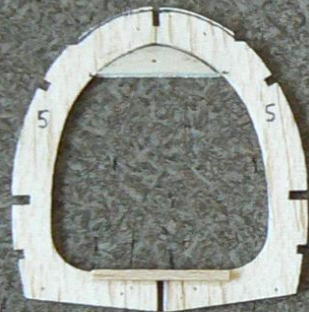
Entire cowl wrapped with 1/32" sheet balsa
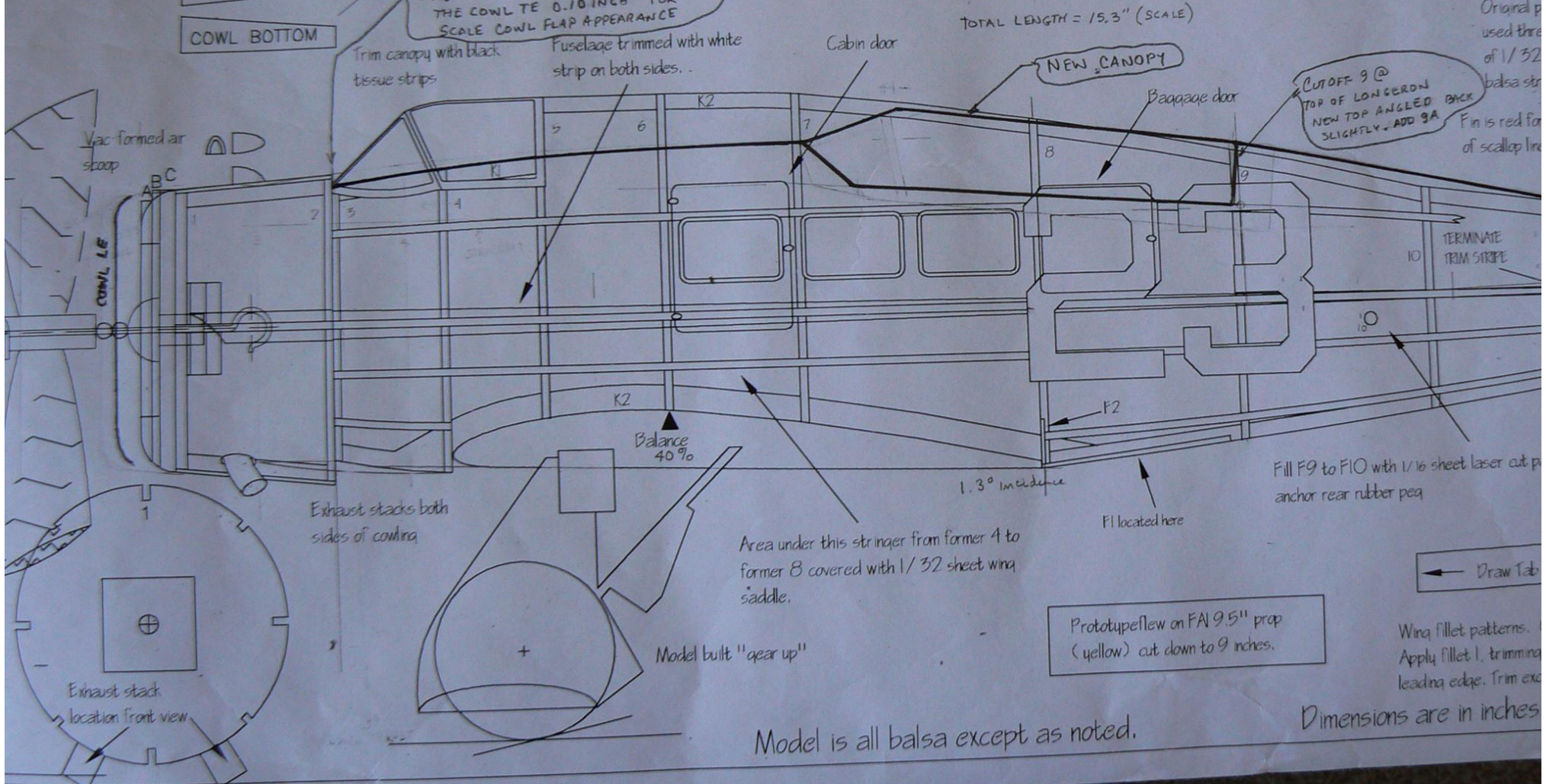
COWL TOP

COWL BOTTOM

Vac formed air scoop

A B C

COWL LE

NOTE: I ADDED AN ADDITIONAL FORMER 3 (3/16" THICK) AND ROUNDED LE. ALSO OVERLAPPED THE COWL TE 0.10 INCH FOR SCALE COWL FLAP APPEARANCE

Trim canopy with black tissue strips

Fuselage trimmed with white strip on both sides.

ALTAIR MODIFICATIONS

ALTAIR/ORIO SCAL

Original p used thre of 1/32 balsa str

Fin is red fo of scallop lin

TOTAL LENGTH = 15.3" (SCALE)

Cabin door

NEW CANOPY

Baggage door

CUTOFF 9 @ TOP OF LONGERON NEW TOP ANGLED BACK SLIGHTLY. ADD 9A

K5

K2

5   6   7   8   9

K1

4

2 3

3

TERMINATE TRIM STRIPE

10

23

10

K2

Balance 40%

F2

1.3° incidence

F1 located here

Fill F9 to F10 with 1/16 sheet laser cut p anchor rear rubber peg

Exhaust stacks both sides of cowling

Area under this stringer from former 4 to former 8 covered with 1/32 sheet wing saddle.

Model built "gear up"

Prototype flew on FAI 9.5" prop (yellow) cut down to 9 inches.

Wing fillet patterns. Apply fillet I, trimmin leading edge. Trim exc

Draw Tab

1

+

Exhaust stack location front view.

Model is all balsa except as noted.

Dimensions are in inches

Fuselage stringers 1/16 square

Tail cone carved from soft balsa block

1/16" square vertical spar beneath scallops

ALTAIR MODIFICATIONS

TOTAL LENGTH = 15.3" (SCALE)

ALTAIR/ORION SCALE

Original prototype used three laminations of 1/32 x 1/16 balsa strip

Fin is red forward of scallop line

NR12222

white

Cabin door

NEW CANOPY

Baggage door

CUT OFF 9 @ TOP OF LONGERON NEW TOP ANGLED BACK SLIGHTLY. ADD 9A

R5   R4   R3   R2   R1

TERMINATE TRIM STRIPE

1.9° total incidence

Stab Location

Fixed or retracted tail wheel is optional

Use the laser cut bond... windows. Cover with re... stick. Window frames... strip inside pattern be... Apply where shown on... or stringers. Attach p...

Fill F9 to F10 with 1/16 sheet laser cut part to anchor rear rubber peg

Leading edge trim line (approximate)

1.3° incidence

F1 located here

Area under this stringer from former 4 to former 8 covered with 1/32 sheet wing saddle.

"gear up"

Prototype flew on FAI 9.5" prop (yellow) cut down to 9 inches.

← Draw Tab →

Fillet 2

Wing fillet patterns. Cut one left, one right, from bond paper. Use spray adhesive to attach colored tissue.