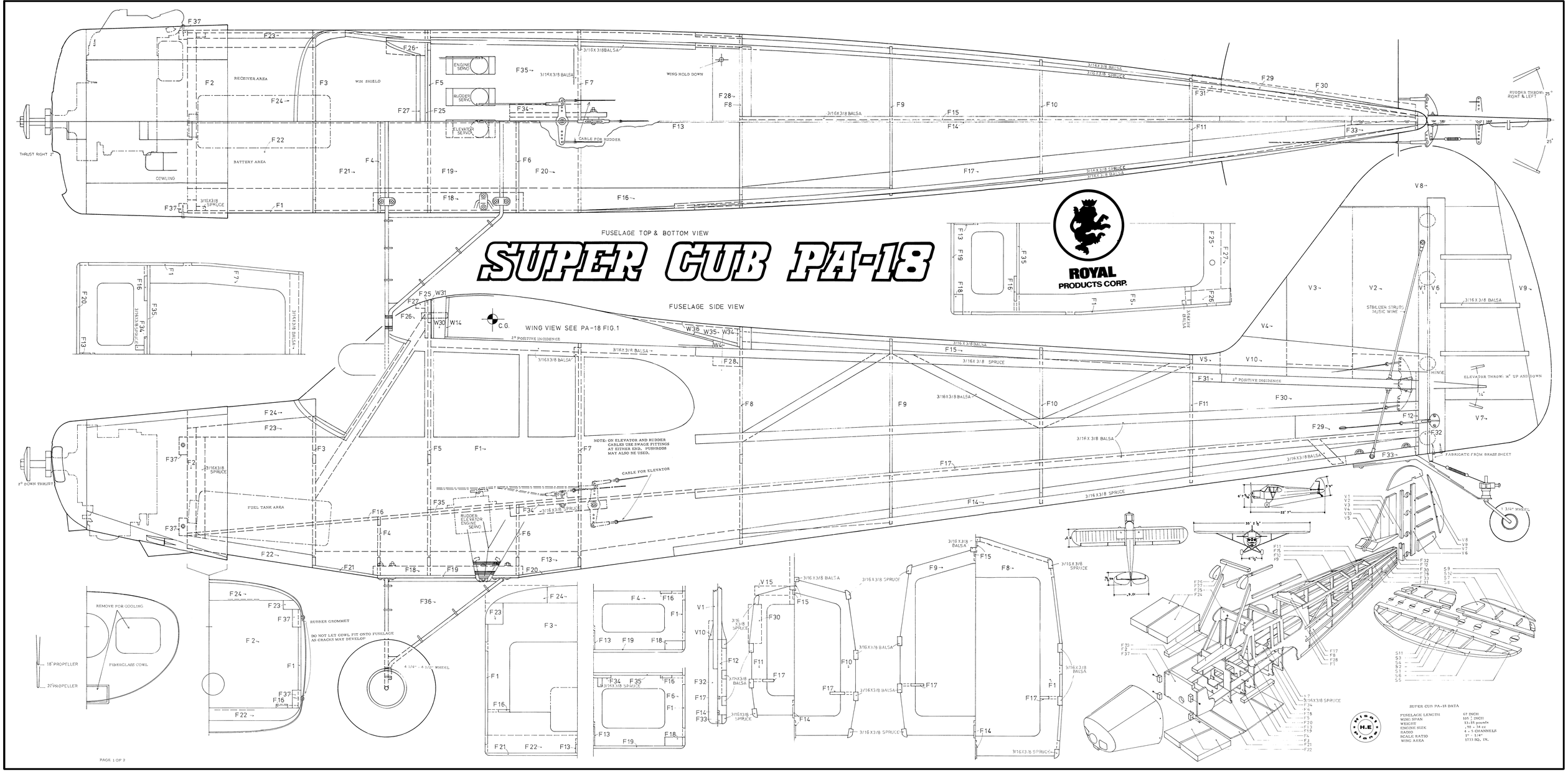

FUSELAGE TOP & BOTTOM VIEW
SUPER CUB PA-18
ROYAL
PRODUCTS CORP.
FUSELAGE SIDE VIEW
WING VIEW SEE PA-18 FIG.1
C.G.
2° POSITIVE INCIDENCE
2° DOWN THRUST
THRUST RIGHT 2°
RECEIVER AREA
WIN SHIELD
BATTERY AREA
COWLING
FUEL TANK AREA
ENGINE SERVO
RUDDER SERVO
ELEVATOR SERVO
WING HOLD DOWN
CABLE FOR RUDDER
CABLE FOR ELEVATOR
RUDDER THROW: 25° RIGHT & LEFT
ELEVATOR THROW: ½" UP AND DOWN
STABILIZER STRUT: MUSIC WIRE
HINGE
FABRICATE FROM BRASS SHEET
3/16X3/8 BALSA
3/16X3/8 SPRUCE
NOTE: ON ELEVATOR AND RUDDER CABLES USE SWAGE FITTINGS AT EITHER END, PUSHRODS MAY ALSO BE USED.
REMOVE FOR COOLING
FIBERGLASS COWL
18" PROPELLER
20" PROPELLER
RUBBER GROMMET
DO NOT LET COWL FIT ONTO FUSELAGE AS CRACKS MAY DEVELOP
4 1/4" - 4 1/2" WHEEL
1 3/4" WHEEL
SUPER CUB PA-18 DATA
FUSELAGE LENGTH 67 INCH
WING SPAN 105 INCH
WEIGHT 13-15 pounds
ENGINE SIZE .90 - .14 cc
RADIO 4 - 5 CHANNELS
SCALE RATIO 1" - 1/4"
WING AREA 1733 SQ. IN.

W5→ TAPERED BALSA L.E.

3/32 BALSA PLANKING→

3/16 SQ BALSA

W6→

W22

3/32 BALSA PLANKING

ALUMINUM TUBE

W31 W32

W30→

W43 W14

SPAR BOLT

W24

3/16 X 3/8 SPRUCE

W23→

W20

SCRAP BALSA JOINER

3/16 X 3/8 SPRUCE

W11→

W8→

W41→

3/32 BALSA PLANKING

W18 W16

W1

W2

W26 W28

W3

W3

W2

W2

W1

W10

W13→

W42→

W27 W29

AILERON SERVO

3/32" X 3/8" CAP STRIP

SPAR BOLT

W44→ W15

W25

3/16 X 3/8 SPRUCE

SCRAP BALSA JOINER

W21

3/16 X 3/8 SPRUCE

W9→

W23

3/32 BALSA PLANKING

W19 W17

HINGE

W7→

W37→

SCALE FLAP LINE

NOTE: EARLY MODEL SUPER CUB DID NOT COME WITH FLAPS.

W40→

W36→

W38 W38 W38 W38 W38 W38 W38

W12→

W35 W34 W33

W4→ TAPERED BALSA T.E.

W39→ TAPERED BALSA AILERON T.E.

WING TOP VIEW

TRIM AFTER ASSEMBLY

SPAR BOLT

W34→

WING REAR VIEW

W8→

W9→ W12 W10 W13

DIHEDRAL: 3/4" UNDER EACH TIP

F28→

WING BOLTS

JURY STRUTS 1/8" MUSIC WIRE

W23

STRUTS 1/8" MUSIC WIRE INSERT

W20 W24

W26

W27

AILERON SERVO

W25

W21 W23

W7 W37

W40

W22

W23

W28

W41

W42

LIFT STRUT

JURY STRUT

JA3288

PAINT & MARKING

ROYAL PRODUCTS CORP.

FUSELAGE VIEW

SEE PA-18 FIG.1

W19 W44 W36 W35 W33 W34

SPAR BOLT

WING BOLTS

W4 W25 W3

W15→

W14→

HINGE

W40 W38 W39 W37 W7

W16 W30 W31 W32 W43 W18

W1

W2 W26 W28 W23 W27

W5 W20 W23 W22 W21

W2 W24 W1 W6

W12 W9 W13 W10 W8 W11

F18→

STRUTS 1/8" MUSIC WIRE INSERT

S4→

STAB. TOP VIEW

S6→

S3→ S3→

S6→

S5→

S5→

S2

S1

STABILIZER STRUTS

TYPICAL HINGE LOCATIONS

S11→

S7→

S7→

S9→

S8→

S8→

S9→

S10→

S10→