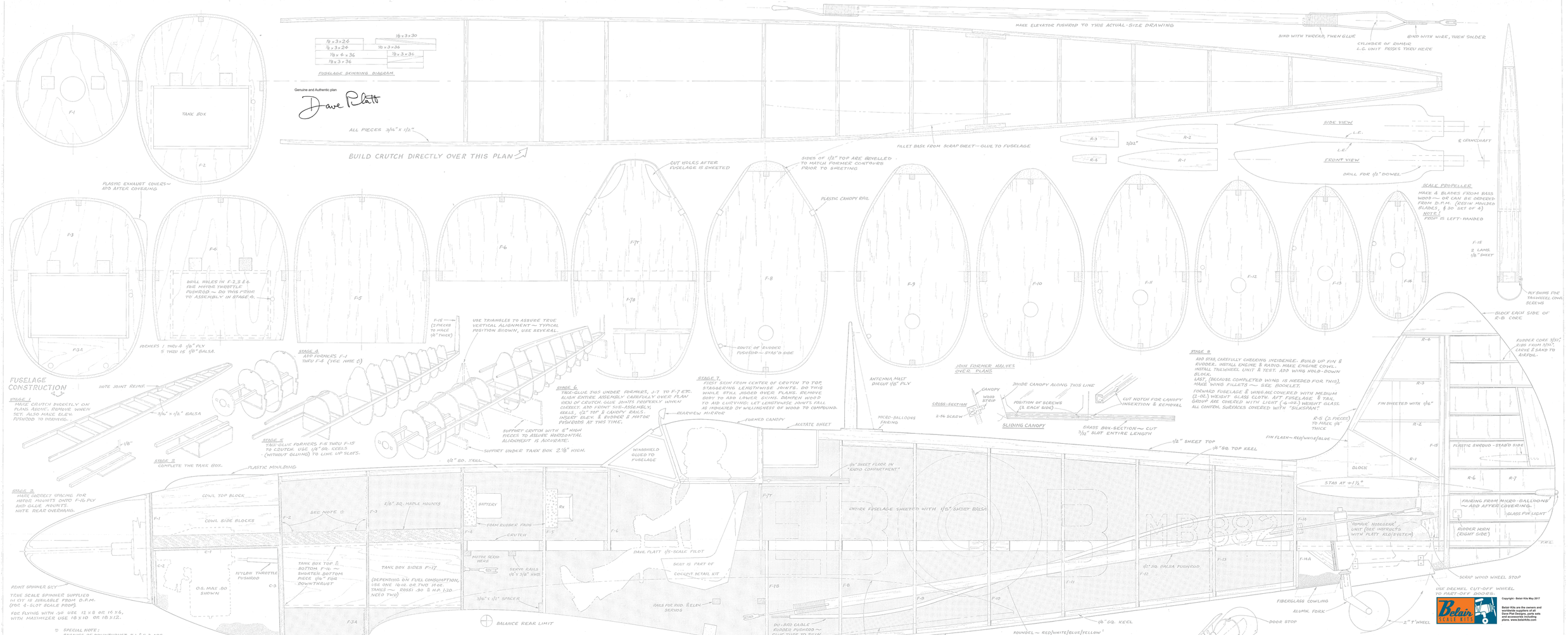
MAKE ELEVATOR PUSHROD TO THIS ACTUAL-SIZE DRAWING
BIND WITH THREAD, THEN GLUE
BIND WITH WIRE, THEN SOLDER
CYLINDER OF ROMAIC L.G. UNIT PASSES THRU HERE
1/8 x 3 x 30
1/8 x 3 x 24
1/8 x 3 x 24
1/8 x 3 x 36
1/8 x 4 x 36
1/8 x 3 x 36
1/8 x 3 x 36
FUSELAGE SKINNING DIAGRAM
Genuine and Authentic plan
Dave Platt
TANK BOX
F-1
F-2
ALL PIECES 3/16" x 1/2"
BUILD CRUTCH DIRECTLY OVER THIS PLAN
FILLET BASE FROM SCRAP SHEET — GLUE TO FUSELAGE
R-3
R-2
R-4
R-1
3/32"
SIDE VIEW
L.E.
FRONT VIEW
DRILL FOR 1/2" DOWEL
℄ CRANKSHAFT
SCALE PROPELLER
MAKE 4 BLADES FROM BASS WOOD — OR CAN BE ORDERED FROM D.P.M. (RESIN MOULDED BLADES, $ 30 SET OF 4)
NOTE! PROP IS LEFT-HANDED
F-15
2 LAMS. 1/16" SHEET
PLASTIC EXHAUST COVERS — ADD AFTER COVERING.
CUT HOLES AFTER FUSELAGE IS SHEETED
SIDES OF 1/2" TOP ARE BEVELLED TO MATCH FORMER CONTOURS PRIOR TO SHEETING
PLASTIC CANOPY RAIL
F-3
F-4
F-5
F-6
F-7T
F-7B
F-8
F-9
F-10
F-11
F-12
F-13
F-14
F-3A
DRILL HOLES IN F-2,3 & 4 FOR MOTOR THROTTLE PUSHROD — DO THIS PRIOR TO ASSEMBLY IN STAGE 4.
FORMERS 1 THRU 4 1/16" PLY
5 THRU 12 1/16" BALSA.
F-15 (2 PIECES TO MAKE 1/8" THICK)
USE TRIANGLES TO ASSURE TRUE VERTICAL ALIGNMENT — TYPICAL POSITION SHOWN, USE SEVERAL.
ROUTE OF RUDDER PUSHROD — SYNC'D SIDE
JOIN FORMER HALVES OVER PLANS
PLY SHIMS FOR TAILWHEEL COWL SCREWS
BLOCK EACH SIDE OF R-8 CORE
RUDDER CORE 3/32" RIBS FROM 1/20", CARVE & SAND TO AIRFOIL.
R-6
R-3
R-2
R-1
R-7
FIN SHEETED WITH 1/16"
PLASTIC SHROUD - STAB'D SIDE
BLOCK
STAB AT +1 1/2°
R-5 (2 PIECES TO MAKE 1/4" THICK
FIN FLASH — RED/WHITE/BLUE
FAIRING FROM MICRO-BALLOONS — ADD AFTER COVERING.
GLASS FIN LIGHT
RUDDER HORN (RIGHT SIDE)
F.R.L.
FUSELAGE CONSTRUCTION
STAGE 1
MAKE CRUTCH DIRECTLY ON PLANS ABOVE. REMOVE WHEN SET. ALSO MAKE ELEV. PUSHROD TO DRAWING.
NOTE JOINT REINF.
3/16" x 1/2" BALSA
1/8"
STAGE 2
TACK-GLUE FORMERS F-5 THRU F-15 TO CRUTCH. USE 1/4" SQ. CORLS (WITHOUT GLUING) TO LINE UP SLOTS.
STAGE 3
COMPLETE THE TANK BOX.
STAGE 4
ADD FORMERS F-1 THRU F-4 (SEE NOTE 5)
STAGE 5
TACK-GLUE TIGS UNDER FORMERS, 1-7 TO F-7 ETC. ALIGN ENTIRE ASSEMBLY CAREFULLY OVER PLAN VIEW OF CRUTCH. GLUE JOINTS PROPERLY WHEN CORRECT. ADD FRONT SUB-ASSEMBLY, REELS, 1/2" TOP & CANOPY RAILS. INSERT ELEV. & RUDDER & MOTOR PUSHRODS AT THIS TIME.
SUPPORT CRUTCH WITH 5" HIGH PIECES TO ASSURE HORIZONTAL ALIGNMENT IS ACCURATE.
SUPPORT UNDER TANK BOX 2 1/8" HIGH.
1/4" SQ. KEEL
STAGE 6
TACK-GLUE FORMERS, 1-7 THRU 12 TO CRUTCH. GLUE JOINTS PROPERLY WHEN CORRECT. ADD FRONT SUB-ASSEMBLY, REELS, 1/2" TOP & CANOPY RAILS. INSERT ELEV. & RUDDER & MOTOR PUSHRODS AT THIS TIME.
STAGE 7
FIRST SKIN FROM CENTER OF CRUTCH TO TOP, STAGGERING LENGTHWISE JOINTS. DO THIS WHILE STILL JIGGED OVER PLANS. REMOVE BODY TO ADD LOWER SKINS. DAMPEN WOOD TO AID BENDING. LET LENGTHWISE JOINTS FALL AS INDICATED BY WILLINGNESS OF WOOD TO COMPOUND.
ANTENNA MAST DIECUT 1/8" PLY
CANOPY WOOD STRIP
CROSS-SECTION
2-56 SCREW
POSITION OF SCREWS (2 EACH SIDE)
DIVIDE CANOPY ALONG THIS LINE
CUT NOTCH FOR CANOPY INSERTION & REMOVAL
SLIDING CANOPY
BRASS BOX-SECTION — CUT 1/32" SLOT ENTIRE LENGTH
STAGE 8
ADD STAB, CAREFULLY CHECKING INCIDENCE. BUILD UP FIN & RUDDER. INSTALL ENGINE & RADIO. MAKE ENGINE COWL. INSTALL TAILWHEEL UNIT & TEST. ADD WING HOLD-DOWN BLOCK.
LAST, (BECAUSE COMPLETED WING IS NEEDED FOR THIS), MAKE WING FILLETS — SEE BOOKLET.
FOWARD FUSELAGE & WING ARE COVERED WITH MEDIUM (2-OZ.) WEIGHT GLASS CLOTH. AFT FUSELAGE & TAIL GROUP ARE COVERED WITH LIGHT (6-OZ.) WEIGHT GLASS. ALL CONTROL SURFACES COVERED WITH "SILKSPAN".
MICRO-BALLOONS FAIRING
FORMED CANOPY
ACETATE SHEET
REARVIEW MIRROR
WINDSHIELD GLUED TO FUSELAGE
1/2" SHEET TOP
1/4" SQ. TOP KEEL
1/4" SHEET FLOOR IN "RADIO COMPARTMENT"
ENTIRE FUSELAGE SHEETED WITH 1/16" SHEET BALSA
STAGE 9
MAKE CORRECT SPACING FOR MOTOR MOUNTS ONTO F-16 PLY AND GLUE MOUNTS. NOTE REAR OVERHANG.
PLASTIC MOULDING
COWL TOP BLOCK
COWL SIDE BLOCKS
SEE NOTE ☆
5/8" SQ. MAPLE MOUNTS
BATTERY
RX
FOAM RUBBER PADS
CRUTCH
C-1
C-2
C-3
NYLON THROTTLE PUSHROD
O.S. MAX .90 SHOWN
TANK BOX TOP & BOTTOM F-16 — SHORTEN BOTTOM PIECE 1/16" FOR DOWNTHRUST
TANK BOX SIDES F-17
(DEPENDING ON FUEL CONSUMPTION, USE ONE 16-OZ. OR TWO 16-OZ. TANKS — ROSSI .90 & H.A. 120 NEED TWO)
MOTOR SCRO HERE
SERVO RAILS 1/4" x 3/8" HWD.
3/16" x 1/2" SPACER
DAVE PLATT 1/5-SCALE PILOT
SEAT IS PART OF COCKPIT DETAIL KIT
RAILS FOR RUD. & ELEV. SERVOS
DU-BRO CABLE RUDDER PUSHROD — GLUE TUBE TO SKIN
BALANCE REAR LIMIT
WING IS AT +2° ROOT, 0° TIP (2° WASHOUT)
8-32 x 1 1/2 BOLTS
WING HOLD-DOWN BLOCK 5/8" SQ. MAPLE — ADD BALSA AROUND JOINTS AND GLUE WELL.
WING FILLET OUTLINE — SEE FINISHING BOOKLET
1/4" SQ. BALSA PUSHROD
ROMAIC NOSEGEAR UNIT (SEE INSTRUCTS WITH PLATT RIG/SYSTEM)
F-14A
SCRAP WOOD WHEEL STOP
USE DREMEL CUT-OFF WHEEL TO PART-OFF DOORS.
FIBERGLASS COWLING
ALUMN. FORK
2" T WHEEL
DOOR STOP
1/4" SQ. KEEL
ROUNDEL — RED/WHITE/BLUE/YELLOW †
J-7
J-8
J-9
J-10
J-11
J-12
J-14
TFF ANTENNA
FLAT HINGES
1/32" WIRE SPRING COILS HOLD DOORS OPEN — EPOXY IN PLACE
LOOP OF THREAD — ADJUST LENGTH SO STRUT CLOSES DOORS
SKETCH OF COMPLETED TAILWHEEL COWL.
PAINT SPINNER SILV
TRUE SCALE SPINNER SUPPLIED IN KIT IS AVAILABLE FROM D.P.M. (FOR 4-SLOT SCALE PROP).
FOR FLYING WITH .90 USE 12 x 8 OR 12 x 6, WITH MAXIMIZER USE 18 x 10 OR 18 x 12.
☆ SPECIAL NOTE: BECAUSE OF DOWNTHRUST, F-1 & F-2 ARE PERPENDICULAR TO MOTOR MOUNTS, WHILE F-3 & F-6 ARE PERPENDICULAR TO CRUTCH.
FIBERGLASS COWL
RECOMMENDED SOURCES OF PHOTOS ETC.
"SQUADRON SIGNAL #38 — SPITFIRE IN ACTION"
"AIRCO-AIRCAM COMPTH SERIES @ 8 — SPITFIRE III-24"
COLOR NOTES:
ALL LATE-MARK (BRIFFON) SPITFIRES, UNLESS SPECIAL-PURPOSE (PR.), TROPICAL ETC.) WERE PAINTED AS FOLLOWS:
LOWER SURFACES — MEDIUM SEA GREY. UPPER: CAMOUFLAGE OF DARK GREEN ONE OCEAN GREY. SPINNER, FUS. BAND & CODES SILV. SERIAL BLACK. OUTER L.E. YELLOW. MARKINGS IN DULL RED & BLUE — NO BRIGHT COLOURS, PLEASE!
CONT'D. →
CARB. AIR INTAKE FROM BLOCK 1 x 2 x 4-½
COLORS CONT'D. —
TWO PARTICULARLY RECOMMENDED SOURCES OF COLOR INFO. ARE: "CAMOUFLAGE & MARKINGS #1 — SPITFIRE" AND "BRITISH AVIATION COLOURS" (RAF MUSEUM PUBL.) MUCH DEPENDS ON THE VERSION YOU CHOOSE TO MODEL — IN ANY EVENT FOLLOW PHOTOS CAREFULLY AS TO ALL CAMOUFLAGE SHAPES, LETTER STYLES, ETC.
† NOTE — DECALS NOT INCLUDED BECAUSE DECAL PAPER IS NOT MADE BIG ENOUGH, AND WE WOULDN'T INCLUDE YOU WITH STICKERS.
"ADVANCE APOLOGY"
THIS IS A LARGE & COMEWHAT COMPLEX MODEL. THE PLANS TOOK A LONG TIME! IF I FORGOT SOMETHING, PLEASE LET ME KNOW — DAVE
Dave Platt's
SCALE 1/5 F.S. (2.4" = 1')
SPAN 88.4" (78" CLIPPED)
LENGTH 76" WEIGHT 15-20 LBS.
Spitfire Mk XII
Copyright - Belair Kits May 2017
Belair Kits are the owners and worldwide suppliers of all original Dave Platt arts and accessories including plans. www.belairkits.com
Please note plans may make historic reference to accessories or options, please contact Belair Kits for latest details