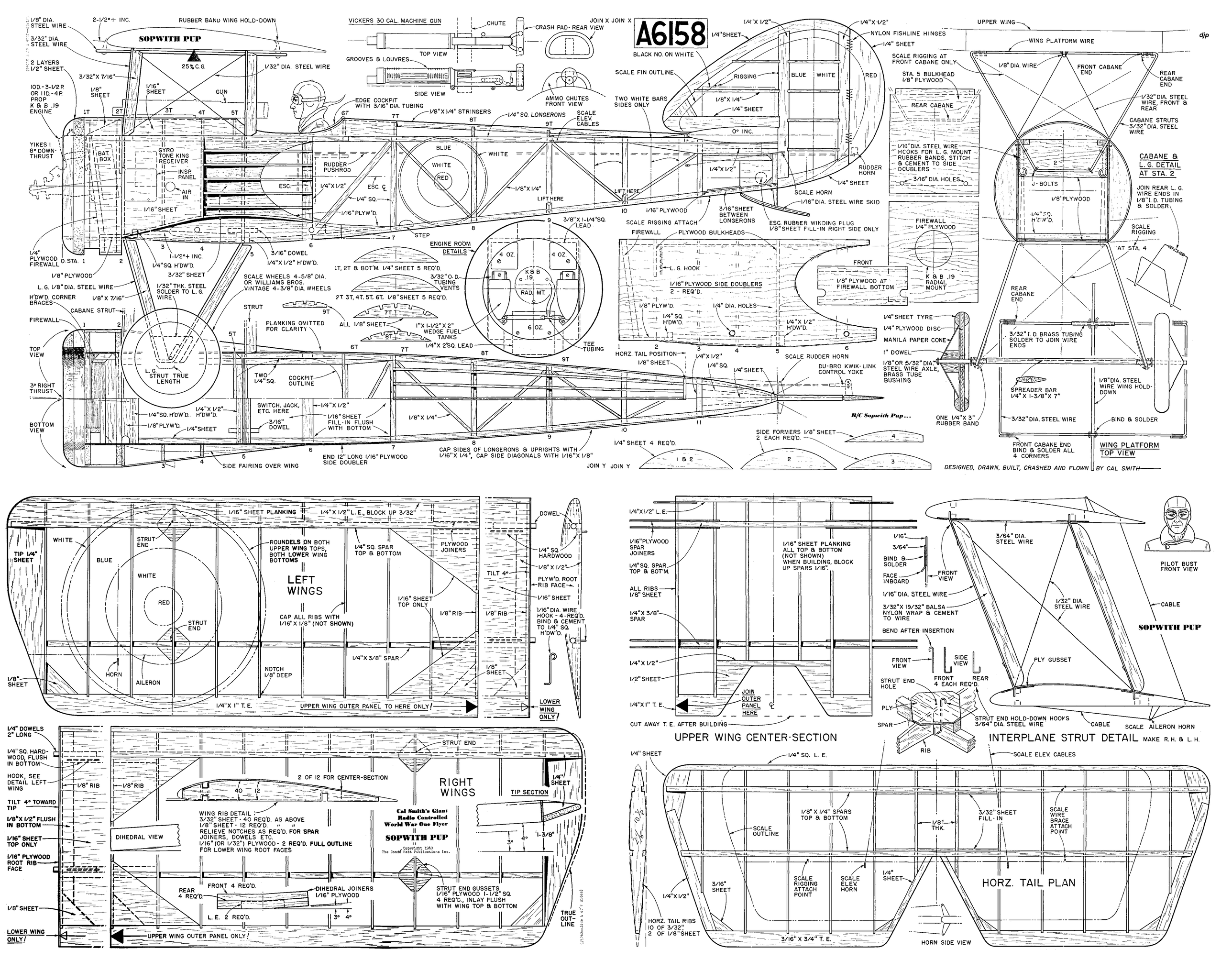
A6158
SOPWITH PUP
djp
1/8" DIA. STEEL WIRE
3/32" DIA. STEEL WIRE
2 LAYERS 1/2" SHEET
2-1/2°+ INC.
RUBBER BAND WING HOLD-DOWN
25% C.G.
1/32" DIA. STEEL WIRE
3/32"X 7/16"
1/8" SHEET
1/16" SHEET
GUN
10D.-3-1/2 P. OR 11D.-4 P. PROP. K & B .19 ENGINE
YIKES ! 8° DOWN-THRUST
BAT. BOX
GYRO TONE KING RECEIVER
INSP PANEL
AIR IN
1/16" SHEET
1/4" PLYWOOD FIREWALL
O STA. 1
1/8" PLYWOOD
L. G. 1/8" DIA. STEEL WIRE
H'DW'D. CORNER BRACES
CABANE STRUT
FIREWALL
1-1/2°+ INC.
1/4" SQ. H'DW'D.
3/32" SHEET
1/32" THK. STEEL SOLDER TO L. G. WIRE
1/8" X 7/16"
3/16" DOWEL
1/4"X 1/2" H'DW'D.
SCALE WHEELS 4-5/8" DIA. OR WILLIAMS BROS. VINTAGE 4-3/8" DIA. WHEELS
STRUT
PLANKING OMITTED FOR CLARITY
TOP VIEW
3° RIGHT THRUST
BOTTOM VIEW
L. G. STRUT TRUE LENGTH
TWO 1/4" SQ.
COCKPIT OUTLINE
1/4"X 1/2" H'DW'D.
1/4" SQ. H'DW'D.
1/8" PLYW'D.
1/4" SHEET
SWITCH, JACK, ETC. HERE
3/16" DOWEL
1/4"X 1/2"
1/16" SHEET FILL-IN FLUSH WITH BOTTOM
1/8"X 1/4"
END 12" LONG 1/16" PLYWOOD SIDE DOUBLER
SIDE FAIRING OVER WING
VICKERS 30 CAL. MACHINE GUN
CHUTE
CRASH PAD- REAR VIEW
JOIN X JOIN X
TOP VIEW
GROOVES & LOUVRES
SIDE VIEW
AMMO CHUTES FRONT VIEW
EDGE COCKPIT WITH 3/16" DIA. TUBING
1/8"X 1/4" STRINGERS
1/4" SQ. LONGERONS
SCALE ELEV. CABLES
BLUE
WHITE
RED
RUDDER PUSHROD
ESC.
ESC. ℄
1/4"X 1/2"
1/4" SQ.
1/8"X 1/4"
1/16" PLYW'D.
LIFT HERE
STEP
3/8"X 1-1/4" SQ. LEAD
ENGINE ROOM DETAILS
4 OZ.
K & B .19
RAD. MT.
6 OZ.
1T, 2T & BOT'M. 1/4" SHEET 5 REQ'D.
3/32" O.D. TUBING VENTS
2T 3T, 4T, 5T, 6T, 1/8" SHEET 5 REQ'D.
ALL 1/8" SHEET
1"X 1-1/2"X 2" WEDGE FUEL TANKS
1/4"X 2" SQ. LEAD
TEE TUBING
1/4"X 1/2"
1/4" SHEET
BLACK NO. ON WHITE
SCALE FIN OUTLINE
RIGGING
1/8"X 1/4"
1/4" SHEET
TWO WHITE BARS SIDES ONLY
0° INC.
1/16" PLYWOOD
3/16" SHEET BETWEEN LONGERONS
SCALE RIGGING ATTACH
FIREWALL
PLYWOOD BULKHEADS
L. G. HOOK
1/16" PLYWOOD SIDE DOUBLERS 2 - REQ'D.
1/8" PLYW'D.
1/4" DIA. HOLES
1/4" SQ. H'DW'D.
1/4"X 1/2" H'DW'D.
HORZ. TAIL POSITION
1/8" SHEET
1/4"X 1/2"
1/4" SQ.
1/4" SHEET
SCALE RUDDER HORN
DU-BRO KWIK-LINK CONTROL YOKE
RUDDER HORN
1/4" SHEET
SCALE HORN
1/16" DIA. STEEL WIRE SKID
ESC. RUBBER WINDING PLUG 1/8" SHEET FILL-IN RIGHT SIDE ONLY
R/C Sopwith Pup...
1/4" SHEET 4 REQ'D.
SIDE FORMERS 1/8" SHEET 2 EACH REQ'D.
JOIN Y JOIN Y
CAP SIDES OF LONGERONS & UPRIGHTS WITH 1/16"X 1/4", CAP SIDE DIAGONALS WITH 1/16"X 1/8"
UPPER WING
WING PLATFORM WIRE
SCALE RIGGING AT FRONT CABANE ONLY
STA. 5 BULKHEAD 1/8" PLYWOOD
REAR CABANE
1/16" DIA. STEEL WIRE HOOKS FOR L. G. MOUNT RUBBER BANDS, STITCH & CEMENT TO SIDE DOUBLERS
3/16" DIA. HOLES
FIREWALL 1/4" PLYWOOD
K & B .19 RADIAL MOUNT
FRONT
1/8" PLYWOOD AT FIREWALL BOTTOM
1/8" DIA. WIRE
FRONT CABANE END
REAR CABANE END
1/32" DIA. STEEL WIRE, FRONT & REAR
CABANE STRUTS 3/32" DIA. STEEL WIRE
CABANE & L. G. DETAIL AT STA. 2
J-BOLTS
1/8" PLYWOOD
1/4" SQ. H'DW'D.
JOIN REAR L. G. WIRE ENDS IN 1/8" I. D. TUBING & SOLDER
SCALE RIGGING AT STA. 4
REAR CABANE END
1/4" SHEET TYRE
1/4" PLYWOOD DISC
MANILA PAPER CONE
1" DOWEL
1/8" OR 5/32" DIA. STEEL WIRE AXLE, BRASS TUBE BUSHING
ONE 1/4"X 3" RUBBER BAND
3/32" I. D. BRASS TUBING SOLDER TO JOIN WIRE ENDS
SPREADER BAR 1/4" X 1-3/8" X 7"
3/32" DIA. STEEL WIRE
1/8" DIA. STEEL WIRE WING HOLD-DOWN
BIND & SOLDER
FRONT CABANE END BIND & SOLDER ALL 4 CORNERS
WING PLATFORM TOP VIEW
DESIGNED, DRAWN, BUILT, CRASHED AND FLOWN BY CAL SMITH
1/16" SHEET PLANKING
1/4"X 1/2" L. E., BLOCK UP 3/32"
DOWEL
TIP 1/4" SHEET
WHITE
STRUT END
BLUE
WHITE
RED
STRUT END
ROUNDELS ON BOTH UPPER WING TOPS, BOTH LOWER WING BOTTOMS
LEFT WINGS
1/4" SQ. SPAR TOP & BOTTOM
PLYWOOD JOINERS
1/4" SQ. HARDWOOD
TILT 4°
1/8"X 1/2"
PLYW'D. ROOT RIB FACE
1/16" SHEET
1/16" SHEET TOP ONLY
CAP ALL RIBS WITH 1/16"X 1/8" (NOT SHOWN)
1/8" RIB
1/8" RIB
1/16" DIA. WIRE HOOK - 4 REQ'D. BIND & CEMENT TO 1/4" SQ. H'DW'D.
1/4"X 3/8" SPAR
1/8" SHEET
HORN
AILERON
NOTCH 1/8" DEEP
1/8" SHEET
1/4"X 1" T. E.
UPPER WING OUTER PANEL TO HERE ONLY!
LOWER WING ONLY!
1/4" DOWELS 2" LONG
1/4" SQ. HARDWOOD, FLUSH IN BOTTOM
HOOK, SEE DETAIL LEFT WING
TILT 4° TOWARD TIP
1/8"X 1/2" FLUSH IN BOTTOM
1/16" SHEET TOP ONLY
1/16" PLYWOOD ROOT RIB FACE
1/8" SHEET
LOWER WING ONLY!
1/8" RIB
1/8" RIB
STRUT END
2 OF 12 FOR CENTER-SECTION
40
12
DIHEDRAL VIEW
WING RIB DETAIL : 3/32" SHEET - 40 REQ'D. AS ABOVE 1/8" SHEET - 12 REQ'D. " " RELIEVE NOTCHES AS REQ'D. FOR SPAR JOINERS, DOWELS ETC. 1/16" (OR 1/32") PLYWOOD - 2 REQ'D. FULL OUTLINE FOR LOWER WING ROOT FACES
Cal Smith's Giant Radio Controlled World War One Flyer
SOPWITH PUP
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RIGHT WINGS
1/4" SHEET
TIP SECTION
1-3/8"
3°
4°
FRONT 4 REQ'D.
REAR 4 REQ'D.
DIHEDRAL JOINERS 1/16" PLYWOOD
L. E. 2 REQ'D.
3°
4°
STRUT END GUSSETS 1/16" PLYWOOD 1-1/2" SQ. 4 REQ'D., INLAY FLUSH WITH WING TOP & BOTTOM
TRUE OUT-LINE
UPPER WING OUTER PANEL ONLY!
1/4"X 1/2" L. E.
1/16" PLYWOOD SPAR JOINERS
1/4" SQ. SPAR TOP & BOT'M.
ALL RIBS 1/8" SHEET
1/4"X 3/8" SPAR
1/4"X 1/2"
1/2" SHEET
1/4"X 1" T. E.
JOIN OUTER PANEL HERE
CUT AWAY T. E. AFTER BUILDING
1/16" SHEET PLANKING ALL TOP & BOTTOM (NOT SHOWN) WHEN BUILDING, BLOCK UP SPARS 1/16".
UPPER WING CENTER-SECTION
1/16"
3/64"
BIND & SOLDER
FACE INBOARD
FRONT VIEW
1/16" DIA. STEEL WIRE
3/32"X 19/32" BALSA NYLON WRAP & CEMENT TO WIRE
BEND AFTER INSERTION
FRONT VIEW
SIDE VIEW
FRONT
REAR
4 EACH REQ'D.
STRUT END HOLE
PLY
SPAR
RIB
STRUT END HOLD-DOWN HOOKS 3/64" DIA. STEEL WIRE
3/64" DIA. STEEL WIRE
1/32" DIA. STEEL WIRE
PLY GUSSET
CABLE
CABLE
SCALE AILERON HORN
PILOT BUST FRONT VIEW
SOPWITH PUP
INTERPLANE STRUT DETAIL MAKE R.H. & L.H.
1/4" SHEET
1/4" SQ. L. E.
SCALE ELEV. CABLES
SCALE OUTLINE
1/8"X 1/4" SPARS TOP & BOTTOM
1/8" THK.
3/32" SHEET FILL-IN
SCALE WIRE BRACE ATTACH POINT
3/16" SHEET
SCALE RIGGING ATTACH POINT
SCALE ELEV. HORN
1/4" SHEET
1/4"X 1/2"
HORZ. TAIL RIBS 10 OF 3/32", 2 OF 1/8" SHEET
3/16"X 3/4" T. E.
HORZ. TAIL PLAN
HORN SIDE VIEW