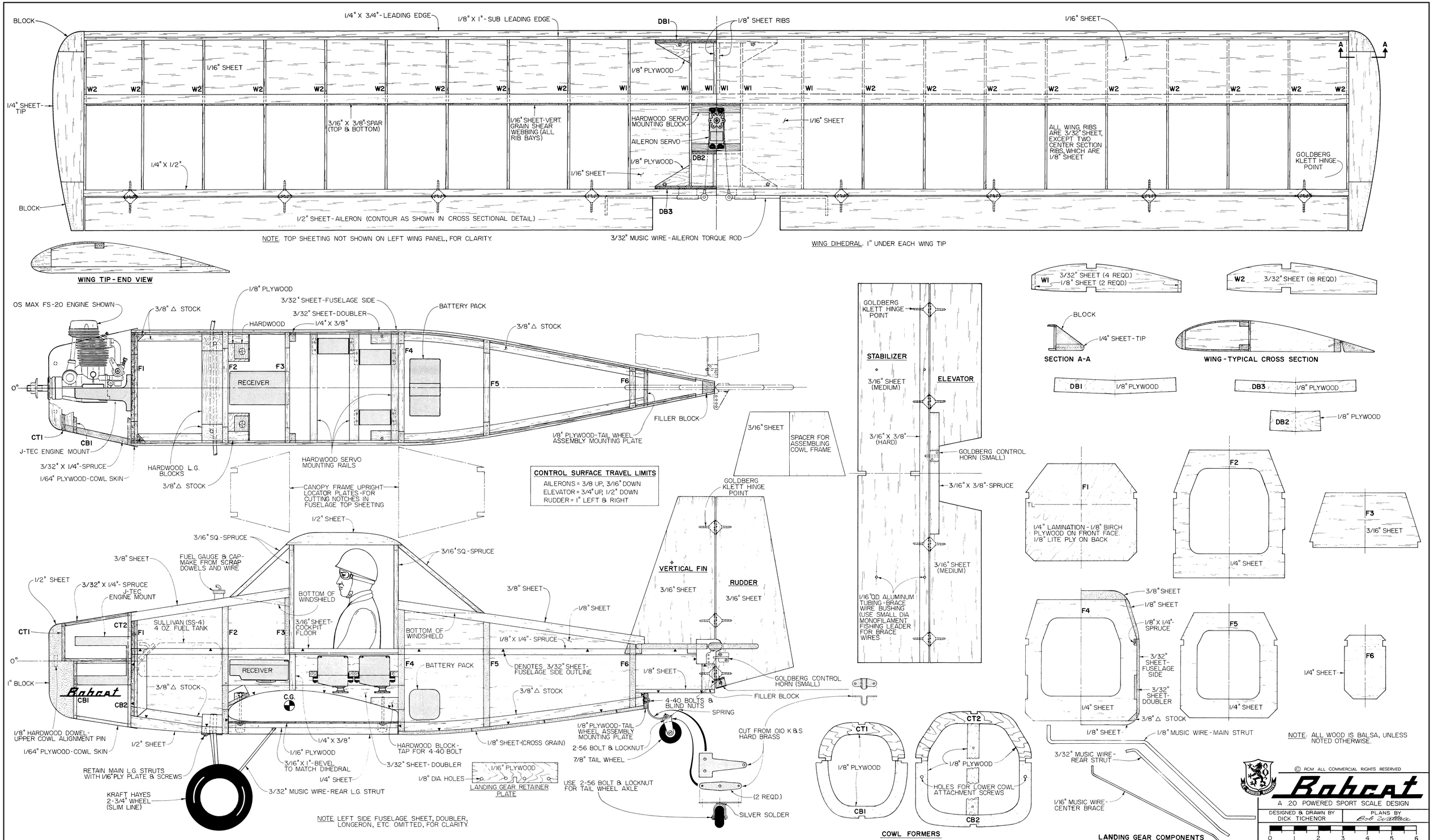
BLOCK
1/4" X 3/4"-LEADING EDGE
1/8" X 1"-SUB LEADING EDGE
DB1
1/8" SHEET RIBS
1/16" SHEET
1/8" PLYWOOD
W2
W1
1/4" SHEET-TIP
3/16" X 3/8"-SPAR (TOP & BOTTOM)
1/16" SHEET-VERT. GRAIN SHEAR WEBBING (ALL RIB BAYS)
HARDWOOD SERVO MOUNTING BLOCK
AILERON SERVO
DB2
1/4" X 1/2"
ALL WING RIBS ARE 3/32" SHEET, EXCEPT TWO CENTER SECTION RIBS, WHICH ARE 1/8" SHEET.
GOLDBERG KLETT HINGE POINT
DB3
1/2" SHEET-AILERON (CONTOUR AS SHOWN IN CROSS SECTIONAL DETAIL)
3/32" MUSIC WIRE-AILERON TORQUE ROD
A
NOTE: TOP SHEETING NOT SHOWN ON LEFT WING PANEL, FOR CLARITY.
WING DIHEDRAL: 1" UNDER EACH WING TIP
WING TIP-END VIEW
OS MAX FS-20 ENGINE SHOWN
3/8" △ STOCK
1/8" PLYWOOD
3/32" SHEET-FUSELAGE SIDE
3/32" SHEET-DOUBLER
1/4" X 3/8"
HARDWOOD
BATTERY PACK
F1
F2
F3
F4
F5
F6
RECEIVER
0°
CT1
CB1
J-TEC ENGINE MOUNT
3/32" X 1/4"-SPRUCE
1/64" PLYWOOD-COWL SKIN
HARDWOOD L.G. BLOCKS
HARDWOOD SERVO MOUNTING RAILS
FILLER BLOCK
1/8" PLYWOOD-TAIL WHEEL ASSEMBLY MOUNTING PLATE
CANOPY FRAME UPRIGHT LOCATOR PLATES-FOR CUTTING NOTCHES IN FUSELAGE TOP SHEETING
1/2" SHEET
3/16" SQ.-SPRUCE
3/8" SHEET
FUEL GAUGE & CAP-MAKE FROM SCRAP DOWELS AND WIRE
1/2" SHEET
3/32" X 1/4"-SPRUCE
J-TEC ENGINE MOUNT
CT2
SULLIVAN (SS-4) 4 OZ. FUEL TANK
BOTTOM OF WINDSHIELD
3/16" SHEET-COCKPIT FLOOR
1" BLOCK
Bobcat
CB2
C.G.
1/8" HARDWOOD DOWEL-UPPER COWL ALIGNMENT PIN
1/64" PLYWOOD-COWL SKIN
RETAIN MAIN L.G. STRUTS WITH 1/16" PLY PLATE & SCREWS
KRAFT HAYES 2-3/4" WHEEL (SLIM LINE)
1/16" PLYWOOD
3/16" X 1"-BEVEL TO MATCH DIHEDRAL
1/4" SHEET
3/32" MUSIC WIRE-REAR L.G. STRUT
1/4" X 3/8"
HARDWOOD BLOCK-TAP FOR 4-40 BOLT
3/32" SHEET-DOUBLER
1/8" DIA HOLES
1/16" PLYWOOD
LANDING GEAR RETAINER PLATE
1/8" SHEET-(CROSS GRAIN)
DENOTES 3/32" SHEET-FUSELAGE SIDE OUTLINE
1/8" X 1/4"-SPRUCE
3/8" △ STOCK
4-40 BOLTS & BLIND NUTS
SPRING
2-56 BOLT & LOCKNUT
7/8" TAIL WHEEL
USE 2-56 BOLT & LOCKNUT FOR TAIL WHEEL AXLE
(2 REQD.)
SILVER SOLDER
CUT FROM .010 K&S HARD BRASS
GOLDBERG CONTROL HORN (SMALL)
NOTE: LEFT SIDE FUSELAGE SHEET, DOUBLER, LONGERON, ETC. OMITTED, FOR CLARITY.
CONTROL SURFACE TRAVEL LIMITS
AILERONS = 3/8 UP, 3/16" DOWN
ELEVATOR = 3/4" UP, 1/2" DOWN
RUDDER = 1" LEFT & RIGHT
3/16" SHEET
SPACER FOR ASSEMBLING COWL FRAME
GOLDBERG KLETT HINGE POINT
VERTICAL FIN
RUDDER
STABILIZER
ELEVATOR
3/16" SHEET (MEDIUM)
3/16" X 3/8" (HARD)
GOLDBERG CONTROL HORN (SMALL)
3/16" X 3/8"-SPRUCE
1/16" OD ALUMINUM TUBING-BRACE WIRE BUSHING (USE SMALL DIA MONOFILAMENT FISHING LEADER FOR BRACE WIRES
COWL FORMERS
1/8" PLYWOOD
HOLES FOR LOWER COWL ATTACHMENT SCREWS
3/32" SHEET (4 REQD.)
1/8" SHEET (2 REQD.)
3/32" SHEET (18 REQD.)
SECTION A-A
WING-TYPICAL CROSS SECTION
1/4" LAMINATION-1/8" BIRCH PLYWOOD ON FRONT FACE. 1/8" LITE PLY ON BACK
1/4" SHEET
3/8" SHEET
1/8" X 1/4"-SPRUCE
3/32" SHEET-FUSELAGE SIDE
3/32" SHEET-DOUBLER
3/8" △ STOCK
1/8" MUSIC WIRE-MAIN STRUT
3/32" MUSIC WIRE-REAR STRUT
1/16" MUSIC WIRE-CENTER BRACE
LANDING GEAR COMPONENTS
NOTE: ALL WOOD IS BALSA, UNLESS NOTED OTHERWISE.
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Bobcat
A .20 POWERED SPORT SCALE DESIGN
DESIGNED & DRAWN BY DICK TICHENOR
PLANS BY Bob Watts
0 1 2 3 4 5 6
PLAN NO. 1017