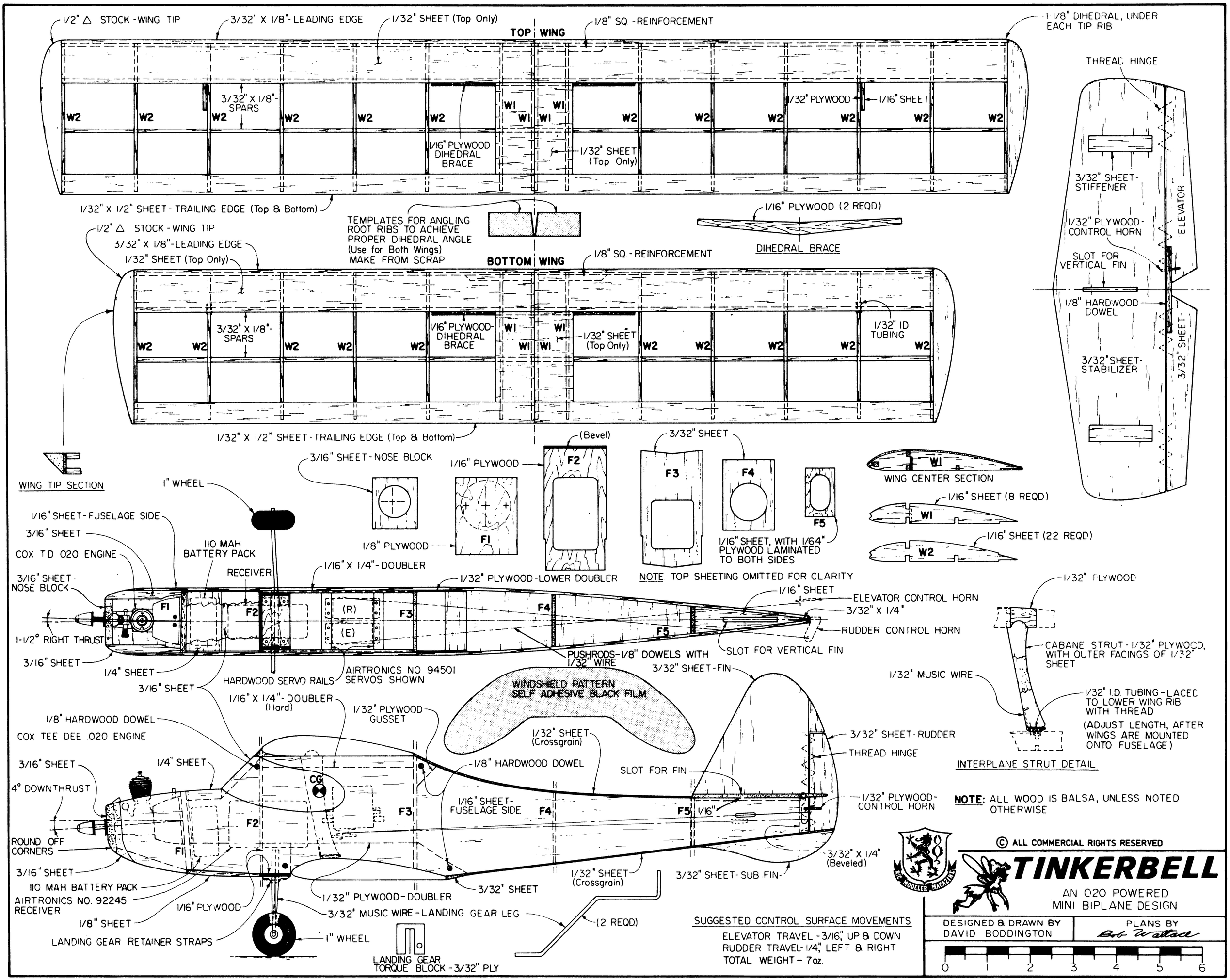
1/2" △ STOCK - WING TIP
3/32" X 1/8" - LEADING EDGE
1/32" SHEET (Top Only)
TOP WING
1/8" SQ. - REINFORCEMENT
1-1/8" DIHEDRAL, UNDER EACH TIP RIB
3/32" X 1/8" - SPARS
W2
W1
1/32" PLYWOOD
1/16" SHEET
1/16" PLYWOOD - DIHEDRAL BRACE
1/32" SHEET (Top Only)
1/32" X 1/2" SHEET - TRAILING EDGE (Top & Bottom)
TEMPLATES FOR ANGLING ROOT RIBS TO ACHIEVE PROPER DIHEDRAL ANGLE (Use for Both Wings) MAKE FROM SCRAP
1/16" PLYWOOD (2 REQD.)
DIHEDRAL BRACE
BOTTOM WING
1/32" ID TUBING
THREAD HINGE
3/32" SHEET - STIFFENER
1/32" PLYWOOD - CONTROL HORN
SLOT FOR VERTICAL FIN
1/8" HARDWOOD DOWEL
3/32" SHEET - STABILIZER
ELEVATOR
3/32" SHEET
WING TIP SECTION
3/16" SHEET - NOSE BLOCK
1/16" PLYWOOD
(Bevel)
3/32" SHEET
F1
F2
F3
F4
F5
WING CENTER SECTION
1/16" SHEET (8 REQD)
1/16" SHEET (22 REQD)
1" WHEEL
1/8" PLYWOOD
1/16" SHEET, WITH 1/64" PLYWOOD LAMINATED TO BOTH SIDES
NOTE TOP SHEETING OMITTED FOR CLARITY
1/16" SHEET - FUSELAGE SIDE
3/16" SHEET
COX TD 020 ENGINE
110 MAH BATTERY PACK
RECEIVER
1/16" X 1/4" - DOUBLER
1/32" PLYWOOD - LOWER DOUBLER
1/16" SHEET
ELEVATOR CONTROL HORN
3/32" X 1/4"
RUDDER CONTROL HORN
1-1/2° RIGHT THRUST
(R)
(E)
PUSHRODS - 1/8" DOWELS WITH 1/32" WIRE
SLOT FOR VERTICAL FIN
1/4" SHEET
HARDWOOD SERVO RAILS
AIRTRONICS NO 94501 SERVOS SHOWN
1/32" PLYWOOD
CABANE STRUT - 1/32" PLYWOOD, WITH OUTER FACINGS OF 1/32" SHEET
1/32" MUSIC WIRE
1/32" I.D. TUBING - LACED TO LOWER WING RIB WITH THREAD
(ADJUST LENGTH, AFTER WINGS ARE MOUNTED ONTO FUSELAGE)
INTERPLANE STRUT DETAIL
WINDSHIELD PATTERN SELF ADHESIVE BLACK FILM
3/32" SHEET - FIN
1/8" HARDWOOD DOWEL
1/16" X 1/4" - DOUBLER (Hard)
1/32" PLYWOOD GUSSET
COX TEE DEE 020 ENGINE
1/32" SHEET (Crossgrain)
3/32" SHEET - RUDDER
THREAD HINGE
1/8" HARDWOOD DOWEL
SLOT FOR FIN
3/16" SHEET
1/4" SHEET
CG
4° DOWNTHRUST
1/16" SHEET - FUSELAGE SIDE
1/32" PLYWOOD - CONTROL HORN
NOTE: ALL WOOD IS BALSA, UNLESS NOTED OTHERWISE
ROUND OFF CORNERS
3/32" X 1/4" (Beveled)
1/32" SHEET (Crossgrain)
3/32" SHEET - SUB FIN
110 MAH BATTERY PACK
AIRTRONICS NO. 92245 RECEIVER
1/32" PLYWOOD - DOUBLER
3/32" SHEET
1/16" PLYWOOD
1/8" SHEET
3/32" MUSIC WIRE - LANDING GEAR LEG
(2 REQD)
LANDING GEAR RETAINER STRAPS
LANDING GEAR TORQUE BLOCK - 3/32" PLY
SUGGESTED CONTROL SURFACE MOVEMENTS
ELEVATOR TRAVEL - 3/16", UP & DOWN
RUDDER TRAVEL - 1/4", LEFT & RIGHT
TOTAL WEIGHT - 7oz.
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TINKERBELL
AN 020 POWERED MINI BIPLANE DESIGN
DESIGNED & DRAWN BY DAVID BODDINGTON
PLANS BY Bob Wallace
0 1 2 3 4 5 6
PLAN NO. 1140