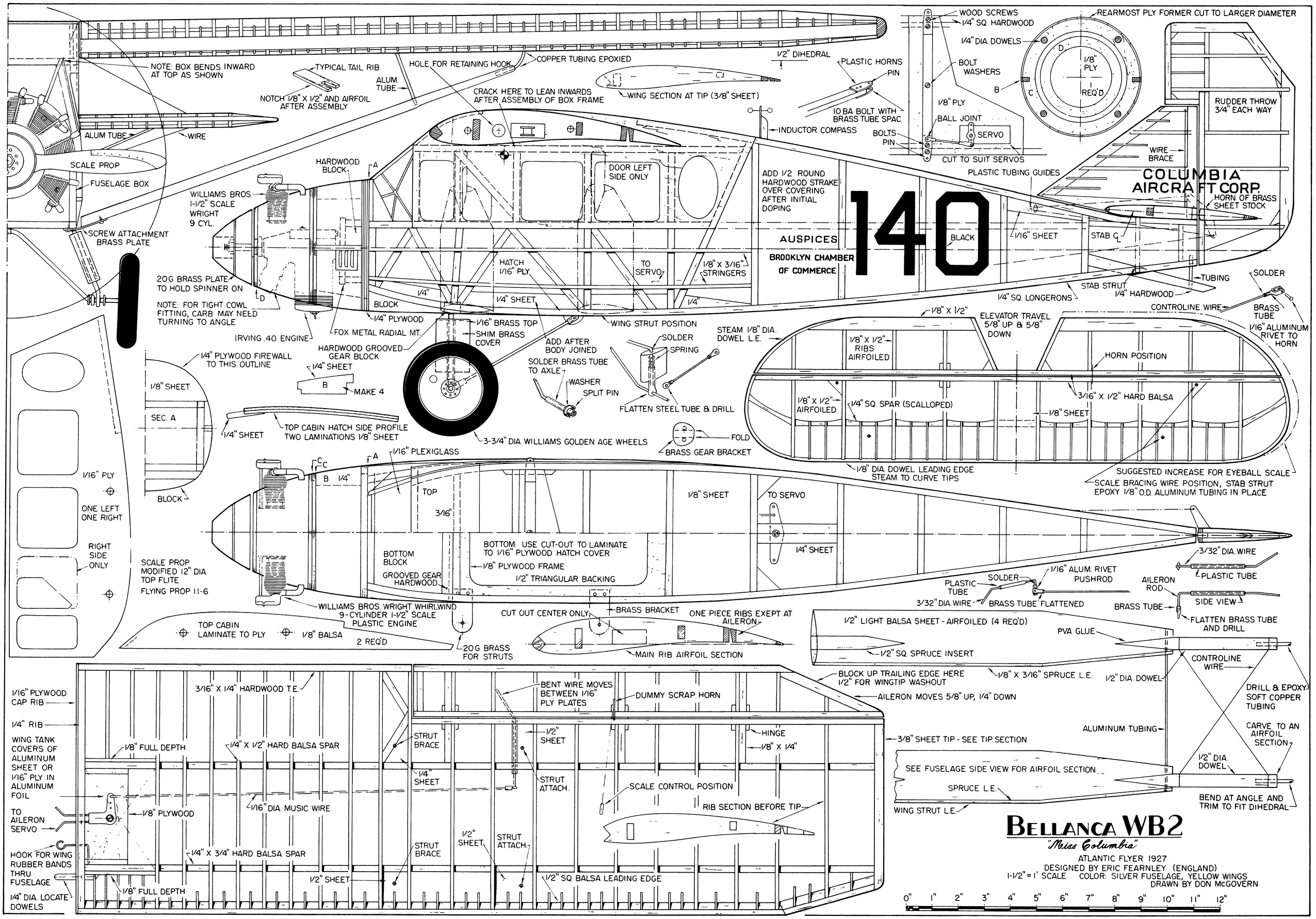
NOTE: BOX BENDS INWARD AT TOP AS SHOWN
TYPICAL TAIL RIB
NOTCH 1/8" X 1/2" AND AIRFOIL AFTER ASSEMBLY
ALUM. TUBE
HOLE FOR RETAINING HOOK
COPPER TUBING EPOXIED
CRACK HERE TO LEAN INWARDS AFTER ASSEMBLY OF BOX FRAME
WING SECTION AT TIP (3/8" SHEET)
1/2" DIHEDRAL
PLASTIC HORNS
PIN
10 BA BOLT WITH BRASS TUBE SPAC.
INDUCTOR COMPASS
WOOD SCREWS
1/4" SQ. HARDWOOD
1/4" DIA. DOWELS
BOLT WASHERS
1/8" PLY
BALL JOINT
BOLTS
PIN
SERVO
CUT TO SUIT SERVOS
REARMOST PLY FORMER CUT TO LARGER DIAMETER
1/8" PLY
REQ'D
RUDDER THROW 3/4" EACH WAY
WIRE BRACE
PLASTIC TUBING GUIDES
COLUMBIA AIRCRAFT CORP.
HORN OF BRASS SHEET STOCK
ALUM TUBE
WIRE
SCALE PROP
FUSELAGE BOX
HARDWOOD BLOCK
WILLIAMS BROS. 1-1/2" SCALE WRIGHT 9 CYL.
DOOR LEFT SIDE ONLY
ADD 1/2 ROUND HARDWOOD STRAKE OVER COVERING AFTER INITIAL DOPING
140
AUSPICES
BROOKLYN CHAMBER OF COMMERCE
BLACK
1/16" SHEET
STAB ℄
SCREW ATTACHMENT BRASS PLATE
20G BRASS PLATE TO HOLD SPINNER ON
NOTE: FOR TIGHT COWL FITTING, CARB MAY NEED TURNING TO ANGLE
HATCH 1/16" PLY
TO SERVO
1/8" X 3/16" STRINGERS
1/4" SHEET
1/4" PLYWOOD
BLOCK
IRVING .40 ENGINE
FOX METAL RADIAL MT.
HARDWOOD GROOVED GEAR BLOCK
1/16" BRASS TOP
SHIM BRASS COVER
ADD AFTER BODY JOINED
WING STRUT POSITION
STAB STRUT
1/4" HARDWOOD
1/4" SQ. LONGERONS
TUBING
SOLDER
CONTROLINE WIRE
BRASS TUBE
1/16" ALUMINUM RIVET TO HORN
1/4" PLYWOOD FIREWALL TO THIS OUTLINE
1/8" SHEET
SEC. A
1/4" SHEET
MAKE 4
SOLDER BRASS TUBE TO AXLE
WASHER
SPLIT PIN
SOLDER
SPRING
FLATTEN STEEL TUBE & DRILL
TOP CABIN HATCH SIDE PROFILE TWO LAMINATIONS 1/8" SHEET
3-3/4" DIA. WILLIAMS GOLDEN AGE WHEELS
FOLD
BRASS GEAR BRACKET
STEAM 1/8" DIA. DOWEL L.E.
1/8" X 1/2"
ELEVATOR TRAVEL 5/8" UP & 5/8" DOWN
1/8" X 1/2" RIBS AIRFOILED
HORN POSITION
1/8" X 1/2" AIRFOILED
1/4" SQ. SPAR (SCALLOPED)
3/16" X 1/2" HARD BALSA
1/8" SHEET
1/8" DIA. DOWEL LEADING EDGE STEAM TO CURVE TIPS
SUGGESTED INCREASE FOR EYEBALL SCALE
SCALE BRACING WIRE POSITION, STAB STRUT EPOXY 1/8" O.D. ALUMINUM TUBING IN PLACE
1/16" PLY
ONE LEFT ONE RIGHT
RIGHT SIDE ONLY
BLOCK
1/16" PLEXIGLASS
TOP
3/16"
1/8" SHEET
TO SERVO
1/4" SHEET
BOTTOM BLOCK
GROOVED GEAR HARDWOOD
BOTTOM: USE CUT-OUT TO LAMINATE TO 1/16" PLYWOOD HATCH COVER
1/8" PLYWOOD FRAME
1/2" TRIANGULAR BACKING
SCALE PROP MODIFIED 12" DIA. TOP FLITE FLYING PROP 11-6
WILLIAMS BROS. WRIGHT WHIRLWIND 9-CYLINDER 1-1/2" SCALE PLASTIC ENGINE
TOP CABIN LAMINATE TO PLY
1/8" BALSA
2 REQ'D
20G BRASS FOR STRUTS
CUT OUT CENTER ONLY
BRASS BRACKET
ONE PIECE RIBS EXEPT AT AILERON
MAIN RIB AIRFOIL SECTION
3/32" DIA. WIRE
PLASTIC TUBE
SOLDER
1/16" ALUM. RIVET PUSHROD
PLASTIC TUBE
3/32" DIA. WIRE
BRASS TUBE FLATTENED
AILERON ROD
BRASS TUBE
SIDE VIEW
FLATTEN BRASS TUBE AND DRILL
1/2" LIGHT BALSA SHEET - AIRFOILED (4 REQ'D)
PVA GLUE
1/2" SQ. SPRUCE INSERT
CONTROLINE WIRE
BLOCK UP TRAILING EDGE HERE 1/2" FOR WINGTIP WASHOUT
1/8" X 3/16" SPRUCE L.E.
1/2" DIA. DOWEL
AILERON MOVES 5/8" UP, 1/4" DOWN
DRILL & EPOXY SOFT COPPER TUBING
1/16" PLYWOOD CAP RIB
1/4" RIB
3/16" X 1/4" HARDWOOD T.E.
BENT WIRE MOVES BETWEEN 1/16" PLY PLATES
DUMMY SCRAP HORN
ALUMINUM TUBING
CARVE TO AN AIRFOIL SECTION
WING TANK COVERS OF ALUMINUM SHEET OR 1/16" PLY IN ALUMINUM FOIL
1/8" FULL DEPTH
1/4" X 1/2" HARD BALSA SPAR
STRUT BRACE
1/2" SHEET
HINGE
1/8" X 1/4"
3/8" SHEET TIP - SEE TIP SECTION
1/4" SHEET
STRUT ATTACH.
SCALE CONTROL POSITION
SEE FUSELAGE SIDE VIEW FOR AIRFOIL SECTION
1/2" DIA. DOWEL
TO AILERON SERVO
1/8" PLYWOOD
1/16" DIA. MUSIC WIRE
RIB SECTION BEFORE TIP
SPRUCE L.E.
BEND AT ANGLE AND TRIM TO FIT DIHEDRAL
WING STRUT L.E.
HOOK FOR WING RUBBER BANDS THRU FUSELAGE
1/4" X 3/4" HARD BALSA SPAR
STRUT BRACE
1/2" SHEET
STRUT ATTACH.
1/2" SQ. BALSA LEADING EDGE
1/2" SHEET
1/8" FULL DEPTH
1/4" DIA. LOCATE DOWELS
BELLANCA WB2
"Miss Columbia"
ATLANTIC FLYER 1927
DESIGNED BY ERIC FEARNLEY (ENGLAND)
1-1/2" = 1' SCALE
COLOR: SILVER FUSELAGE, YELLOW WINGS
DRAWN BY DON McGOVERN
0" 1" 2" 3" 4" 5" 6" 7" 8" 9" 10" 11" 12"