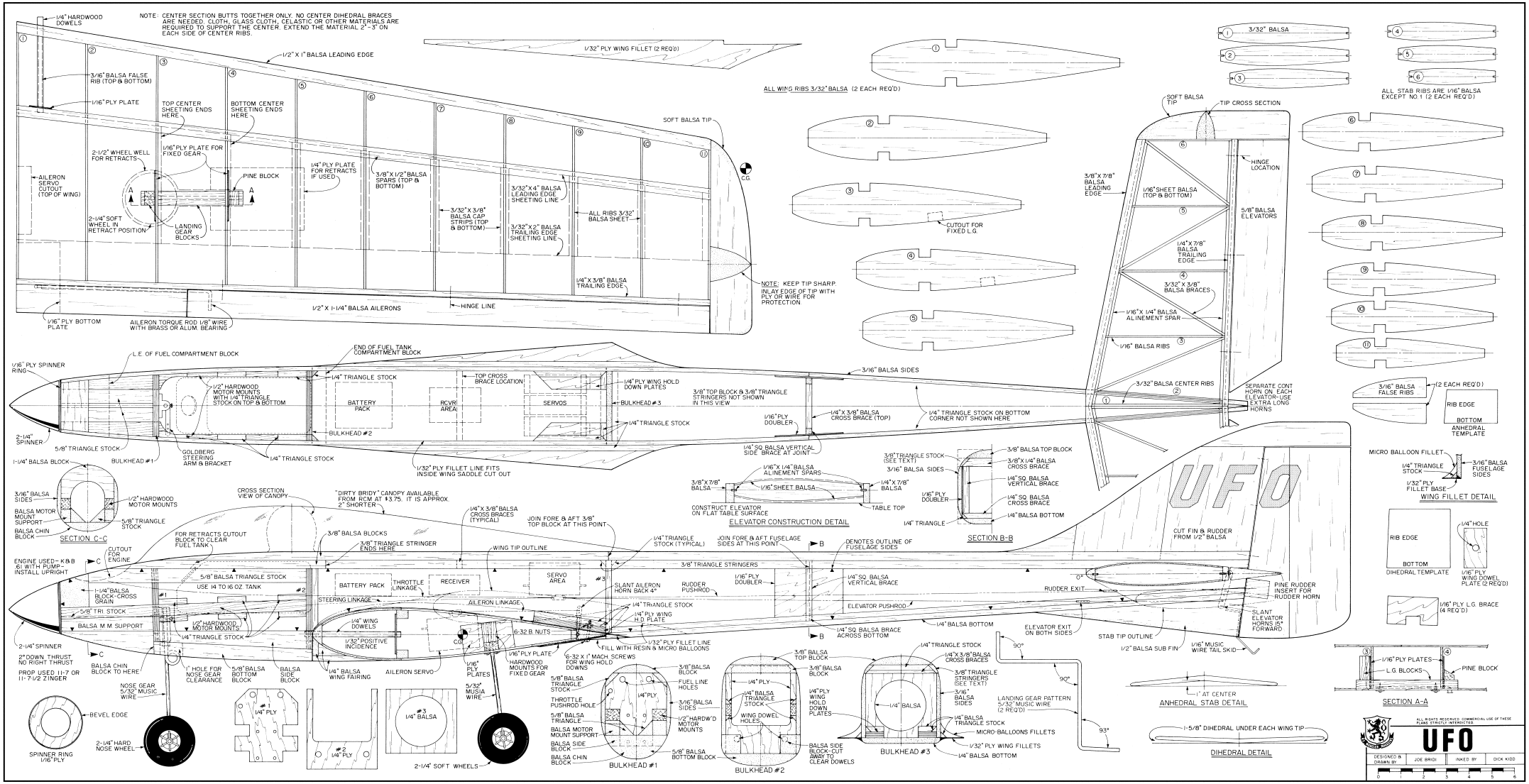
NOTE: CENTER SECTION BUTTS TOGETHER ONLY. NO CENTER DIHEDRAL BRACES ARE NEEDED. CLOTH, GLASS CLOTH, CELASTIC OR OTHER MATERIALS ARE REQUIRED TO SUPPORT THE CENTER. EXTEND THE MATERIAL 2"-3" ON EACH SIDE OF CENTER RIBS.
1/4" HARDWOOD DOWELS
1/2" X 1" BALSA LEADING EDGE
3/16" BALSA FALSE RIB (TOP & BOTTOM)
1/16" PLY PLATE
TOP CENTER SHEETING ENDS HERE
BOTTOM CENTER SHEETING ENDS HERE
2-1/2" WHEEL WELL FOR RETRACTS
1/16" PLY PLATE FOR FIXED GEAR
AILERON SERVO CUTOUT (TOP OF WING)
PINE BLOCK
1/4" PLY PLATE FOR RETRACTS IF USED
3/8" X 1/2" BALSA SPARS (TOP & BOTTOM)
3/32" X 4" BALSA LEADING EDGE SHEETING LINE
3/32" X 3/8" BALSA CAP STRIPS (TOP & BOTTOM)
3/32" X 2" BALSA TRAILING EDGE SHEETING LINE
ALL RIBS 3/32" BALSA SHEET
2-1/4" SOFT WHEEL IN RETRACT POSITION
LANDING GEAR BLOCKS
1/4" X 3/8" BALSA TRAILING EDGE
SOFT BALSA TIP
C.G.
NOTE: KEEP TIP SHARP. INLAY EDGE OF TIP WITH PLY OR WIRE FOR PROTECTION
1/16" PLY BOTTOM PLATE
AILERON TORQUE ROD 1/8" WIRE WITH BRASS OR ALUM. BEARING
1/2" X 1-1/4" BALSA AILERONS
HINGE LINE
1/32" PLY WING FILLET (2 REQ'D)
ALL WING RIBS 3/32" BALSA (2 EACH REQ'D)
CUTOUT FOR FIXED L.G.
3/32" BALSA
ALL STAB RIBS ARE 1/16" BALSA EXCEPT NO.1 (2 EACH REQ'D)
SOFT BALSA TIP
TIP CROSS SECTION
3/8" X 7/8" BALSA LEADING EDGE
HINGE LOCATION
1/16" SHEET BALSA (TOP & BOTTOM)
5/8" BALSA ELEVATORS
1/4" X 7/8" BALSA TRAILING EDGE
3/32" X 3/8" BALSA BRACES
1/16" X 1/4" BALSA ALINEMENT SPAR
1/16" BALSA RIBS
3/32" BALSA CENTER RIBS
SEPARATE CONT HORN ON EACH ELEVATOR-USE EXTRA LONG HORNS
3/16" BALSA FALSE RIBS (2 EACH REQ'D)
RIB EDGE
BOTTOM ANHEDRAL TEMPLATE
1/16" PLY SPINNER RING
L.E. OF FUEL COMPARTMENT BLOCK
END OF FUEL TANK COMPARTMENT BLOCK
1/2" HARDWOOD MOTOR MOUNTS WITH 1/4" TRIANGLE STOCK ON TOP & BOTTOM
1/4" TRIANGLE STOCK
TOP CROSS BRACE LOCATION
BATTERY PACK
RCVR AREA
SERVOS
1/4" PLY WING HOLD DOWN PLATES
BULKHEAD #3
3/8" TOP BLOCK & 3/8" TRIANGLE STRINGERS NOT SHOWN IN THIS VIEW
3/16" BALSA SIDES
1/16" PLY DOUBLER
1/4" X 3/8" BALSA CROSS BRACE (TOP)
1/4" TRIANGLE STOCK ON BOTTOM CORNER NOT SHOWN HERE
BULKHEAD #2
2-1/4" SPINNER
5/8" TRIANGLE STOCK
BULKHEAD #1
GOLDBERG STEERING ARM & BRACKET
1/4" TRIANGLE STOCK
1/32" PLY FILLET LINE FITS INSIDE WING SADDLE CUT OUT
1/4" SQ. BALSA VERTICAL SIDE BRACE AT JOINT
1-1/4" BALSA BLOCK
3/16" BALSA SIDES
1/2" HARDWOOD MOTOR MOUNTS
BALSA MOTOR MOUNT SUPPORT
5/8" TRIANGLE STOCK
BALSA CHIN BLOCK
SECTION C-C
1/16" X 1/4" BALSA ALINEMENT SPARS
3/8" X 7/8" BALSA
1/16" SHEET BALSA
1/4" X 7/8" BALSA
TABLE TOP
CONSTRUCT ELEVATOR ON FLAT TABLE SURFACE
ELEVATOR CONSTRUCTION DETAIL
3/8" TRIANGLE STOCK (SEE TEXT)
3/16" BALSA SIDES
1/16" PLY DOUBLER
1/4" TRIANGLE
3/8" BALSA TOP BLOCK
3/8" X 1/4" BALSA CROSS BRACE
1/4" SQ. BALSA VERTICAL BRACE
1/4" SQ. BALSA CROSS BRACE
1/4" BALSA BOTTOM
SECTION B-B
MICRO BALLOON FILLET
1/4" TRIANGLE STOCK
1/32" PLY FILLET BASE
3/16" BALSA FUSELAGE SIDES
WING FILLET DETAIL
RIB EDGE
BOTTOM DIHEDRAL TEMPLATE
1/4" HOLE
1/16" PLY WING DOWEL PLATE (2 REQ'D)
1/16" PLY L.G. BRACE (4 REQ'D)
CROSS SECTION VIEW OF CANOPY
"DIRTY BRIDY" CANOPY AVAILABLE FROM RCM AT $3.75. IT IS APPROX. 2" SHORTER
1/4" X 3/8" BALSA CROSS BRACES (TYPICAL)
JOIN FORE & AFT 3/8" TOP BLOCK AT THIS POINT
FOR RETRACTS CUTOUT BLOCK TO CLEAR FUEL TANK
3/8" BALSA BLOCKS
3/8" TRIANGLE STRINGER ENDS HERE
WING TIP OUTLINE
1/4" TRIANGLE STOCK (TYPICAL)
JOIN FORE & AFT FUSELAGE SIDES AT THIS POINT
DENOTES OUTLINE OF FUSELAGE SIDES
ENGINE USED-K&B 61 WITH PUMP-INSTALL UPRIGHT
CUTOUT FOR ENGINE
5/8" BALSA TRIANGLE STOCK
USE 14 TO 16 OZ. TANK
BATTERY PACK
THROTTLE LINKAGE
RECEIVER
SERVO AREA
#3
#2
#1
STEERING LINKAGE
AILERON LINKAGE
SLANT AILERON HORN BACK 4°
RUDDER PUSHROD
1/16" PLY DOUBLER
1/4" TRIANGLE STOCK
1/4" PLY WING H.D. PLATE
1/4" SQ. BALSA VERTICAL BRACE
ELEVATOR PUSHROD
1/4" SQ. BALSA BRACE ACROSS BOTTOM
1/4" BALSA BOTTOM
3/8" TRIANGLE STRINGERS
1-1/4" BALSA BLOCK-CROSS GRAIN
5/8" TRI. STOCK
BALSA M.M. SUPPORT
1/2" HARDWOOD MOTOR MOUNTS
1/4" TRIANGLE STOCK
1/4" WING DOWELS
1/32" POSITIVE INCIDENCE
CG
6-32 B NUTS
1/16" PLY PLATE HARDWOOD MOUNTS FOR FIXED GEAR
FILL WITH RESIN & MICRO BALLOONS
6-32 X 1" MACH. SCREWS FOR WING HOLD DOWNS
RUDDER EXIT
PINE RUDDER INSERT FOR RUDDER HORN
SLANT ELEVATOR HORNS 0° FORWARD
ELEVATOR EXIT ON BOTH SIDES
STAB TIP OUTLINE
1/2" BALSA SUB FIN
1/16" MUSIC WIRE TAIL SKID
CUT FIN & RUDDER FROM 1/2" BALSA
2-1/4" SPINNER
2° DOWN, THRUST NO RIGHT THRUST
PROP USED 11-7 OR 11-7-1/2 ZINGER
BALSA CHIN BLOCK TO HERE
1" HOLE FOR NOSE GEAR CLEARANCE
5/8" BALSA BOTTOM BLOCK
BALSA SIDE BLOCK
1/4" BALSA WING FAIRING
AILERON SERVO
1/16" PLY PLATES
5/32" MUSIC WIRE
NOSE GEAR 5/32" MUSIC WIRE
BEVEL EDGE
2-1/4" HARD NOSE WHEEL
SPINNER RING 1/16" PLY
#1 1/4" PLY
#2 1/4" PLY
#3 1/4" BALSA
2-1/4" SOFT WHEELS
3/8" BALSA BLOCK
FUEL LINE HOLES
1/4" PLY
3/16" BALSA SIDES
1/2" HARDW'D MOTOR MOUNTS
5/8" BALSA BOTTOM BLOCK
5/8" BALSA TRIANGLE STOCK
THROTTLE PUSHROD HOLE
5/8" BALSA TRIANGLE
BALSA MOTOR MOUNT SUPPORT
BALSA SIDE BLOCK
BALSA CHIN BLOCK
BULKHEAD #1
3/8" BALSA TOP BLOCK
3/8" BALSA BLOCK
1/4" PLY WING HOLD DOWN PLATES
WING DOWEL HOLES
BALSA SIDE BLOCK-CUT AWAY TO CLEAR DOWELS
BULKHEAD #2
1/4" TRIANGLE STOCK
1/4" X 3/8" BALSA CROSS BRACES
3/16" BALSA SIDES
1/4" BALSA
1/4" BALSA TRIANGLE STOCK
MICRO-BALLOONS FILLETS
1/32" PLY WING FILLETS
1/4" BALSA BOTTOM
BULKHEAD #3
LANDING GEAR PATTERN 5/32" MUSIC WIRE (2 REQ'D)
90°
93°
1" AT CENTER
ANHEDRAL STAB DETAIL
1-5/8" DIHEDRAL UNDER EACH WING TIP
DIHEDRAL DETAIL
1/16" PLY PLATES
L.G. BLOCKS
PINE BLOCK
SECTION A-A
ALL RIGHTS RESERVED. COMMERCIAL USE OF THESE PLANS STRICTLY PROHIBITED.
UFO
DESIGNED & DRAWN BY
JOE BRIDI
INKED BY
DICK KIDD
0 1 2 3 4 5 6