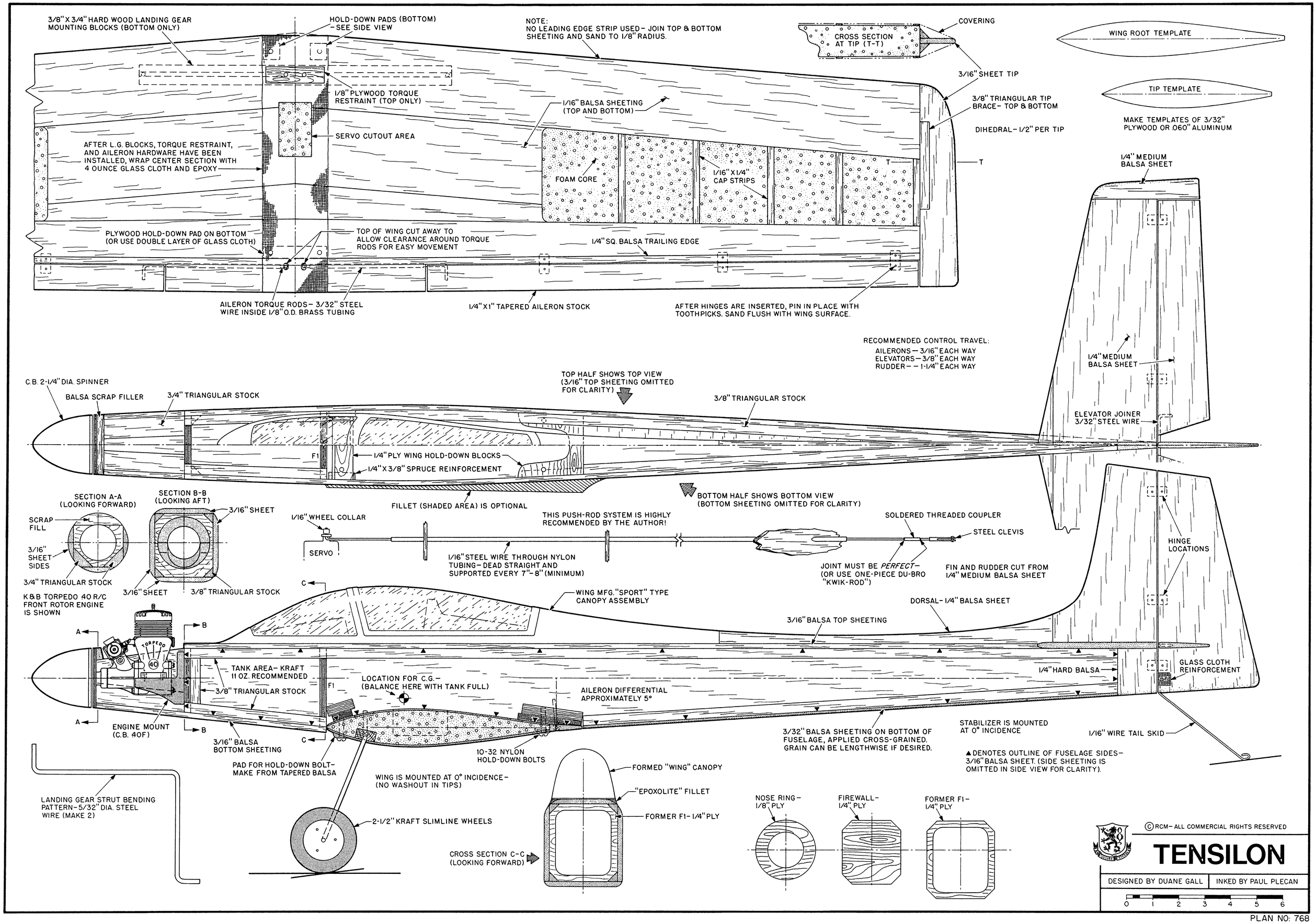
3/8" X 3/4" HARD WOOD LANDING GEAR MOUNTING BLOCKS (BOTTOM ONLY)
HOLD-DOWN PADS (BOTTOM) - SEE SIDE VIEW
NOTE: NO LEADING EDGE STRIP USED - JOIN TOP & BOTTOM SHEETING AND SAND TO 1/8" RADIUS.
CROSS SECTION AT TIP (T-T)
COVERING
WING ROOT TEMPLATE
3/16" SHEET TIP
TIP TEMPLATE
1/8" PLYWOOD TORQUE RESTRAINT (TOP ONLY)
1/16" BALSA SHEETING (TOP AND BOTTOM)
3/8" TRIANGULAR TIP BRACE - TOP & BOTTOM
MAKE TEMPLATES OF 3/32" PLYWOOD OR .060" ALUMINUM
SERVO CUTOUT AREA
DIHEDRAL - 1/2" PER TIP
AFTER L.G. BLOCKS, TORQUE RESTRAINT, AND AILERON HARDWARE HAVE BEEN INSTALLED, WRAP CENTER SECTION WITH 4 OUNCE GLASS CLOTH AND EPOXY
FOAM CORE
1/16" X 1/4" CAP STRIPS
T
1/4" MEDIUM BALSA SHEET
PLYWOOD HOLD-DOWN PAD ON BOTTOM (OR USE DOUBLE LAYER OF GLASS CLOTH)
TOP OF WING CUT AWAY TO ALLOW CLEARANCE AROUND TORQUE RODS FOR EASY MOVEMENT
1/4" SQ. BALSA TRAILING EDGE
AILERON TORQUE RODS - 3/32" STEEL WIRE INSIDE 1/8" O.D. BRASS TUBING
1/4" X 1" TAPERED AILERON STOCK
AFTER HINGES ARE INSERTED, PIN IN PLACE WITH TOOTHPICKS. SAND FLUSH WITH WING SURFACE.
RECOMMENDED CONTROL TRAVEL:
AILERONS — 3/16" EACH WAY
ELEVATORS — 3/8" EACH WAY
RUDDER — 1-1/4" EACH WAY
1/4" MEDIUM BALSA SHEET
C.B. 2-1/4" DIA. SPINNER
BALSA SCRAP FILLER
3/4" TRIANGULAR STOCK
TOP HALF SHOWS TOP VIEW (3/16" TOP SHEETING OMITTED FOR CLARITY)
3/8" TRIANGULAR STOCK
ELEVATOR JOINER 3/32" STEEL WIRE
F1
1/4" PLY WING HOLD-DOWN BLOCKS
1/4" X 3/8" SPRUCE REINFORCEMENT
SECTION A-A (LOOKING FORWARD)
SECTION B-B (LOOKING AFT)
3/16" SHEET
SCRAP FILL
3/16" SHEET SIDES
3/4" TRIANGULAR STOCK
3/16" SHEET
3/8" TRIANGULAR STOCK
FILLET (SHADED AREA) IS OPTIONAL
BOTTOM HALF SHOWS BOTTOM VIEW (BOTTOM SHEETING OMITTED FOR CLARITY)
1/16" WHEEL COLLAR
THIS PUSH-ROD SYSTEM IS HIGHLY RECOMMENDED BY THE AUTHOR!
SOLDERED THREADED COUPLER
STEEL CLEVIS
SERVO
1/16" STEEL WIRE THROUGH NYLON TUBING - DEAD STRAIGHT AND SUPPORTED EVERY 7"-8" (MINIMUM)
JOINT MUST BE PERFECT - (OR USE ONE-PIECE DU-BRO "KWIK-ROD")
FIN AND RUDDER CUT FROM 1/4" MEDIUM BALSA SHEET
HINGE LOCATIONS
K&B TORPEDO 40 R/C FRONT ROTOR ENGINE IS SHOWN
C
WING MFG. "SPORT" TYPE CANOPY ASSEMBLY
DORSAL - 1/4" BALSA SHEET
3/16" BALSA TOP SHEETING
A
B
TORPEDO
40
TANK AREA - KRAFT 11 OZ. RECOMMENDED
3/8" TRIANGULAR STOCK
LOCATION FOR C.G. - (BALANCE HERE WITH TANK FULL)
AILERON DIFFERENTIAL APPROXIMATELY 5°
1/4" HARD BALSA
GLASS CLOTH REINFORCEMENT
ENGINE MOUNT (C.B. 40F)
3/16" BALSA BOTTOM SHEETING
3/32" BALSA SHEETING ON BOTTOM OF FUSELAGE, APPLIED CROSS-GRAINED. GRAIN CAN BE LENGTHWISE IF DESIRED.
STABILIZER IS MOUNTED AT 0° INCIDENCE
1/16" WIRE TAIL SKID
▲ DENOTES OUTLINE OF FUSELAGE SIDES - 3/16" BALSA SHEET. (SIDE SHEETING IS OMITTED IN SIDE VIEW FOR CLARITY).
PAD FOR HOLD-DOWN BOLT - MAKE FROM TAPERED BALSA
10-32 NYLON HOLD-DOWN BOLTS
WING IS MOUNTED AT 0° INCIDENCE - (NO WASHOUT IN TIPS)
FORMED "WING" CANOPY
"EPOXOLITE" FILLET
FORMER F1 - 1/4" PLY
LANDING GEAR STRUT BENDING PATTERN - 5/32" DIA. STEEL WIRE (MAKE 2)
2-1/2" KRAFT SLIMLINE WHEELS
CROSS SECTION C-C (LOOKING FORWARD)
NOSE RING - 1/8" PLY
FIREWALL - 1/4" PLY
FORMER F1 - 1/4" PLY
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TENSILON
DESIGNED BY DUANE GALL
INKED BY PAUL PLECAN
0 1 2 3 4 5 6
PLAN NO: 768