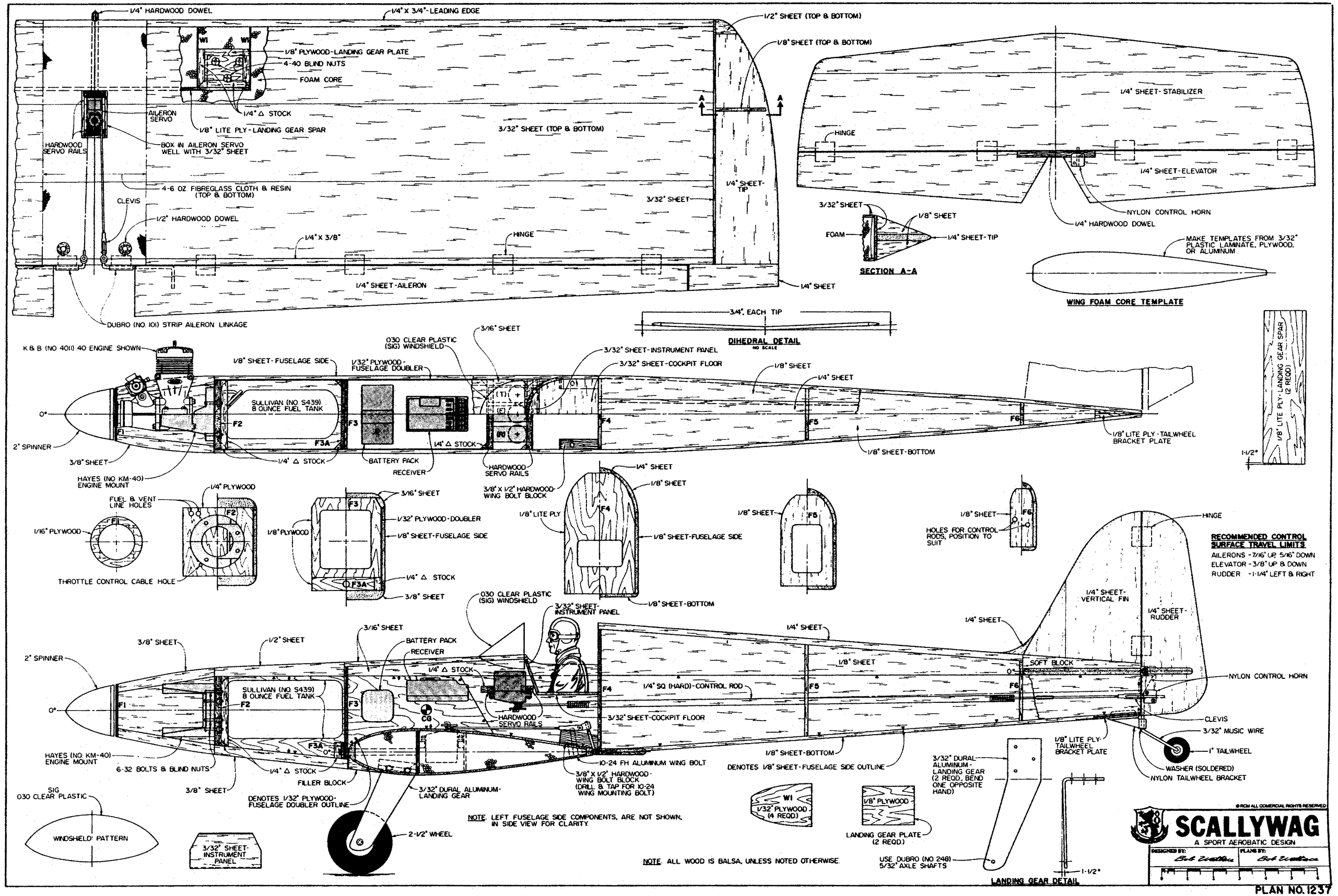
1/4" HARDWOOD DOWEL
1/4" X 3/4"-LEADING EDGE
1/2" SHEET (TOP & BOTTOM)
1/8" SHEET (TOP & BOTTOM)
W1
W1
1/8" PLYWOOD-LANDING GEAR PLATE
4-40 BLIND NUTS
FOAM CORE
AILERON SERVO
1/4" Δ STOCK
1/8" LITE PLY-LANDING GEAR SPAR
3/32" SHEET (TOP & BOTTOM)
HARDWOOD SERVO RAILS
BOX IN AILERON SERVO WELL WITH 3/32" SHEET
4-6 OZ FIBREGLASS CLOTH & RESIN (TOP & BOTTOM)
CLEVIS
1/2" HARDWOOD DOWEL
1/4" X 3/8"
HINGE
3/32" SHEET
1/4" SHEET-TIP
1/4" SHEET-AILERON
1/4" SHEET
DUBRO (NO. 101) STRIP AILERON LINKAGE
A
A
1/4" SHEET-STABILIZER
HINGE
1/4" SHEET-ELEVATOR
NYLON CONTROL HORN
1/4" HARDWOOD DOWEL
3/32" SHEET
1/8" SHEET
FOAM
1/4" SHEET-TIP
SECTION A-A
MAKE TEMPLATES FROM 3/32" PLASTIC LAMINATE, PLYWOOD, OR ALUMINUM
WING FOAM CORE TEMPLATE
3/4", EACH TIP
DIHEDRAL DETAIL
NO SCALE
1/8" LITE PLY-LANDING GEAR SPAR (2 REQD.)
1-1/2"
K & B (NO 4011) 40 ENGINE SHOWN
3/16" SHEET
.030 CLEAR PLASTIC (SIG) WINDSHIELD
3/32" SHEET-INSTRUMENT PANEL
1/8" SHEET-FUSELAGE SIDE
1/32" PLYWOOD-FUSELAGE DOUBLER
3/32" SHEET-COCKPIT FLOOR
1/8" SHEET
1/4" SHEET
SULLIVAN (NO S439) 8 OUNCE FUEL TANK
0°
F1
F2
F3
F3A
F4
F5
F6
2" SPINNER
3/8" SHEET
1/4" Δ STOCK
1/4" Δ STOCK
BATTERY PACK
RECEIVER
HARDWOOD SERVO RAILS
3/8" X 1/2" HARDWOOD-WING BOLT BLOCK
1/8" SHEET-BOTTOM
1/8" LITE PLY-TAILWHEEL BRACKET PLATE
HAYES (NO KM-40) ENGINE MOUNT
FUEL & VENT LINE HOLES
1/4" PLYWOOD
1/16" PLYWOOD
THROTTLE CONTROL CABLE HOLE
3/16" SHEET
1/32" PLYWOOD-DOUBLER
1/8" PLYWOOD
1/8" SHEET-FUSELAGE SIDE
1/4" Δ STOCK
3/8" SHEET
1/4" SHEET
1/8" SHEET
1/8" LITE PLY
1/8" SHEET-FUSELAGE SIDE
1/8" SHEET-BOTTOM
1/8" SHEET
1/8" SHEET
HOLES FOR CONTROL RODS, POSITION TO SUIT
HINGE
RECOMMENDED CONTROL SURFACE TRAVEL LIMITS
AILERONS - 7/16" UP, 5/16" DOWN
ELEVATOR - 3/8" UP & DOWN
RUDDER - 1-1/4" LEFT & RIGHT
1/4" SHEET-VERTICAL FIN
1/4" SHEET-RUDDER
.030 CLEAR PLASTIC (SIG) WINDSHIELD
3/32" SHEET-INSTRUMENT PANEL
3/16" SHEET
BATTERY PACK
RECEIVER
1/2" SHEET
3/8" SHEET
2" SPINNER
1/4" Δ STOCK
1/4" SHEET
1/8" SHEET
SOFT BLOCK
NYLON CONTROL HORN
SULLIVAN (NO S439) 8 OUNCE FUEL TANK
1/4" SQ. (HARD)-CONTROL ROD
CG
HARDWOOD SERVO RAILS
3/32" SHEET-COCKPIT FLOOR
CLEVIS
3/32" MUSIC WIRE
1/8" LITE PLY-TAILWHEEL BRACKET PLATE
1" TAILWHEEL
HAYES (NO. KM-40) ENGINE MOUNT
6-32 BOLTS & BLIND NUTS
1/4" Δ STOCK
FILLER BLOCK
3/8" SHEET
10-24 FH ALUMINUM WING BOLT
3/8" X 1/2" HARDWOOD-WING BOLT BLOCK (DRILL & TAP FOR 10-24 WING MOUNTING BOLT)
1/8" SHEET-BOTTOM
DENOTES 1/8" SHEET-FUSELAGE SIDE OUTLINE
WASHER (SOLDERED)
NYLON TAILWHEEL BRACKET
SIG .030 CLEAR PLASTIC
DENOTES 1/32" PLYWOOD-FUSELAGE DOUBLER OUTLINE
3/32" DURAL ALUMINUM-LANDING GEAR
NOTE: LEFT FUSELAGE SIDE COMPONENTS, ARE NOT SHOWN, IN SIDE VIEW FOR CLARITY
2-1/2" WHEEL
WINDSHIELD PATTERN
3/32" SHEET-INSTRUMENT PANEL
W1
1/32" PLYWOOD (4 REQD.)
1/8" PLYWOOD
LANDING GEAR PLATE (2 REQD.)
3/32" DURAL ALUMINUM-LANDING GEAR (2 REQD, BEND ONE OPPOSITE HAND)
USE DUBRO (NO 248) 5/32" AXLE SHAFTS
1-1/2"
LANDING GEAR DETAIL
NOTE: ALL WOOD IS BALSA, UNLESS NOTED OTHERWISE.
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SCALLYWAG
A SPORT AEROBATIC DESIGN
DESIGNED BY:
PLANS BY:
PLAN NO. 1237