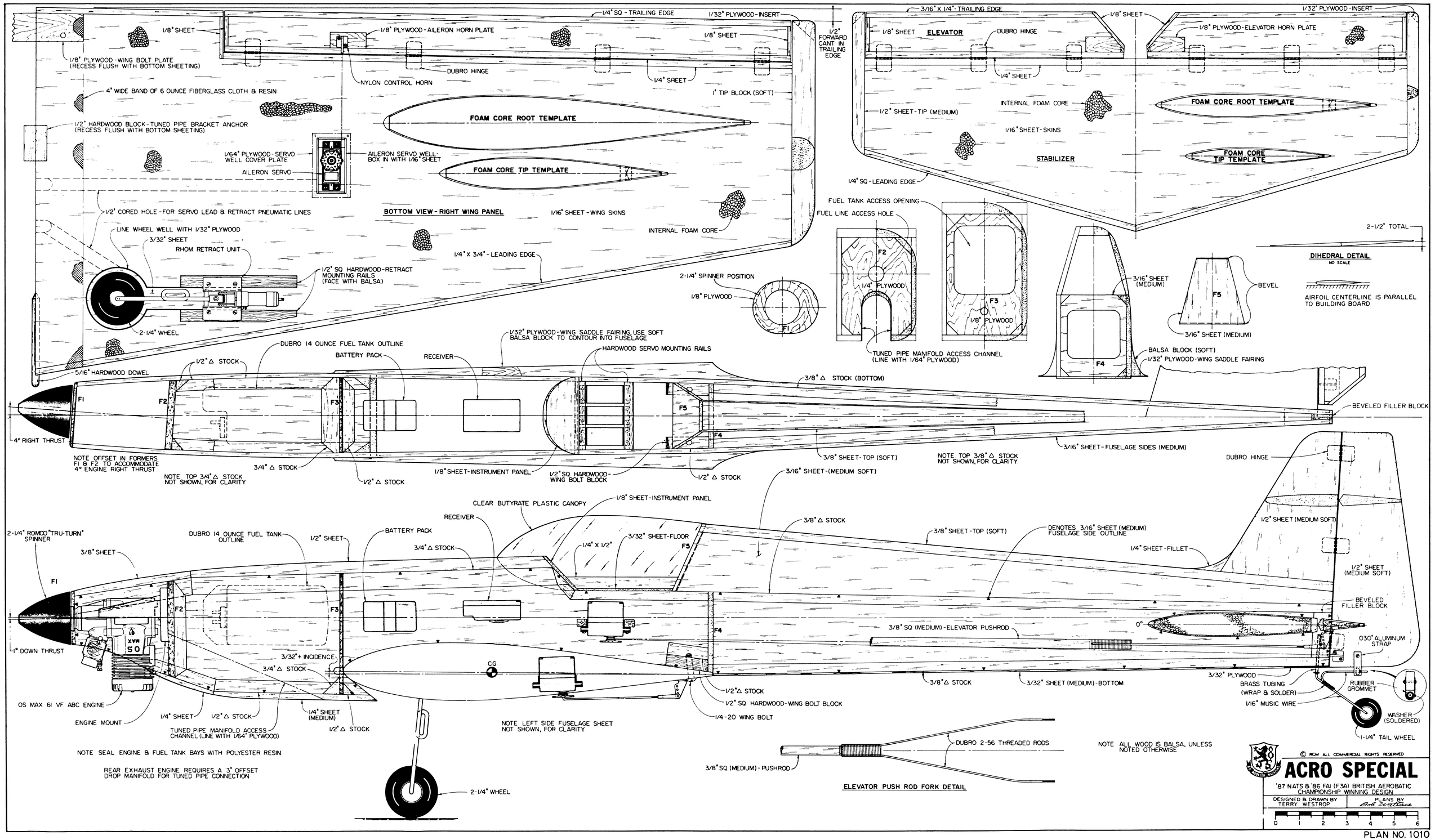
1/4" SQ - TRAILING EDGE
1/32" PLYWOOD-INSERT
1/8" SHEET
1/8" PLYWOOD-AILERON HORN PLATE
1/8" SHEET
1/2" FORWARD CANT IN TRAILING EDGE
1/8" PLYWOOD-WING BOLT PLATE (RECESS FLUSH WITH BOTTOM SHEETING)
DUBRO HINGE
NYLON CONTROL HORN
1/4" SHEET
1" TIP BLOCK (SOFT)
4" WIDE BAND OF 6 OUNCE FIBERGLASS CLOTH & RESIN
FOAM CORE ROOT TEMPLATE
1/2" HARDWOOD BLOCK-TUNED PIPE BRACKET ANCHOR (RECESS FLUSH WITH BOTTOM SHEETING)
1/64" PLYWOOD-SERVO WELL COVER PLATE
AILERON SERVO WELL-BOX IN WITH 1/16" SHEET
AILERON SERVO
FOAM CORE TIP TEMPLATE
1/2" CORED HOLE-FOR SERVO LEAD & RETRACT PNEUMATIC LINES
BOTTOM VIEW-RIGHT WING PANEL
1/16" SHEET-WING SKINS
INTERNAL FOAM CORE
LINE WHEEL WELL WITH 1/32" PLYWOOD
3/32" SHEET
RHOM RETRACT UNIT
1/4" X 3/4" - LEADING EDGE
1/2" SQ HARDWOOD-RETRACT MOUNTING RAILS (FACE WITH BALSA)
2-1/4" WHEEL
3/16" X 1/4" - TRAILING EDGE
1/8" SHEET
1/32" PLYWOOD-INSERT
1/8" SHEET
ELEVATOR
DUBRO HINGE
1/8" PLYWOOD-ELEVATOR HORN PLATE
1/4" SHEET
1/2" SHEET-TIP (MEDIUM)
INTERNAL FOAM CORE
FOAM CORE ROOT TEMPLATE
1/16" SHEET-SKINS
STABILIZER
FOAM CORE TIP TEMPLATE
1/4" SQ - LEADING EDGE
FUEL TANK ACCESS OPENING
FUEL LINE ACCESS HOLE
F2
1/4" PLYWOOD
F3
1/8" PLYWOOD
TUNED PIPE MANIFOLD ACCESS CHANNEL (LINE WITH 1/64" PLYWOOD)
2-1/4" SPINNER POSITION
1/8" PLYWOOD
F1
3/16" SHEET (MEDIUM)
F4
BALSA BLOCK (SOFT)
1/32" PLYWOOD-WING SADDLE FAIRING
2-1/2" TOTAL
DIHEDRAL DETAIL
NO SCALE
AIRFOIL CENTERLINE IS PARALLEL TO BUILDING BOARD
F5
BEVEL
3/16" SHEET (MEDIUM)
1/32" PLYWOOD-WING SADDLE FAIRING, USE SOFT BALSA BLOCK TO CONTOUR INTO FUSELAGE
DUBRO 14 OUNCE FUEL TANK OUTLINE
BATTERY PACK
RECEIVER
HARDWOOD SERVO MOUNTING RAILS
5/16" HARDWOOD DOWEL
1/2" Δ STOCK
3/8" Δ STOCK (BOTTOM)
BEVELED FILLER BLOCK
4° RIGHT THRUST
NOTE OFFSET IN FORMERS F1 & F2 TO ACCOMMODATE 4° ENGINE RIGHT THRUST
NOTE TOP 3/4" Δ STOCK NOT SHOWN, FOR CLARITY
3/4" Δ STOCK
1/2" Δ STOCK
1/8" SHEET-INSTRUMENT PANEL
1/2" SQ HARDWOOD-WING BOLT BLOCK
1/2" Δ STOCK
3/8" SHEET-TOP (SOFT)
NOTE TOP 3/8" Δ STOCK NOT SHOWN, FOR CLARITY
3/16" SHEET-FUSELAGE SIDES (MEDIUM)
DUBRO HINGE
3/16" SHEET-(MEDIUM SOFT)
CLEAR BUTYRATE PLASTIC CANOPY
1/8" SHEET-INSTRUMENT PANEL
RECEIVER
3/8" Δ STOCK
2-1/4" ROMCO "TRU-TURN" SPINNER
DUBRO 14 OUNCE FUEL TANK OUTLINE
1/2" SHEET
BATTERY PACK
3/8" SHEET
3/4" Δ STOCK
1/4" X 1/2"
3/32" SHEET-FLOOR
F5
3/8" SHEET-TOP (SOFT)
DENOTES 3/16" SHEET (MEDIUM) FUSELAGE SIDE OUTLINE
1/4" SHEET-FILLET
1/2" SHEET (MEDIUM SOFT)
1/2" SHEET (MEDIUM SOFT)
F1
F2
F3
F4
BEVELED FILLER BLOCK
3/8" SQ (MEDIUM)-ELEVATOR PUSHROD
0°
1° DOWN THRUST
3/32" + INCIDENCE
3/4" Δ STOCK
CG
.030" ALUMINUM STRAP
3/32" PLYWOOD
3/8" Δ STOCK
3/32" SHEET (MEDIUM)-BOTTOM
BRASS TUBING (WRAP & SOLDER)
RUBBER GROMMET
1/16" MUSIC WIRE
WASHER (SOLDERED)
1/2" Δ STOCK
1/2" SQ HARDWOOD-WING BOLT BLOCK
1/4-20 WING BOLT
OS MAX 61 VF ABC ENGINE
ENGINE MOUNT
1/4" SHEET
1/2" Δ STOCK
1/4" SHEET (MEDIUM)
TUNED PIPE MANIFOLD ACCESS CHANNEL (LINE WITH 1/64" PLYWOOD)
1/2" Δ STOCK
NOTE LEFT SIDE FUSELAGE SHEET NOT SHOWN, FOR CLARITY
1-1/4" TAIL WHEEL
NOTE SEAL ENGINE & FUEL TANK BAYS WITH POLYESTER RESIN
REAR EXHAUST ENGINE REQUIRES A 3" OFFSET DROP MANIFOLD FOR TUNED PIPE CONNECTION
2-1/4" WHEEL
DUBRO 2-56 THREADED RODS
3/8" SQ (MEDIUM)-PUSHROD
ELEVATOR PUSH ROD FORK DETAIL
NOTE ALL WOOD IS BALSA, UNLESS NOTED OTHERWISE
© RCM ALL COMMERCIAL RIGHTS RESERVED
ACRO SPECIAL
'87 NATS & '86 FAI (F3A) BRITISH AEROBATIC CHAMPIONSHIP WINNING DESIGN
DESIGNED & DRAWN BY TERRY WESTROP
PLANS BY Bob Trostrup
0 1 2 3 4 5 6
PLAN NO. 1010