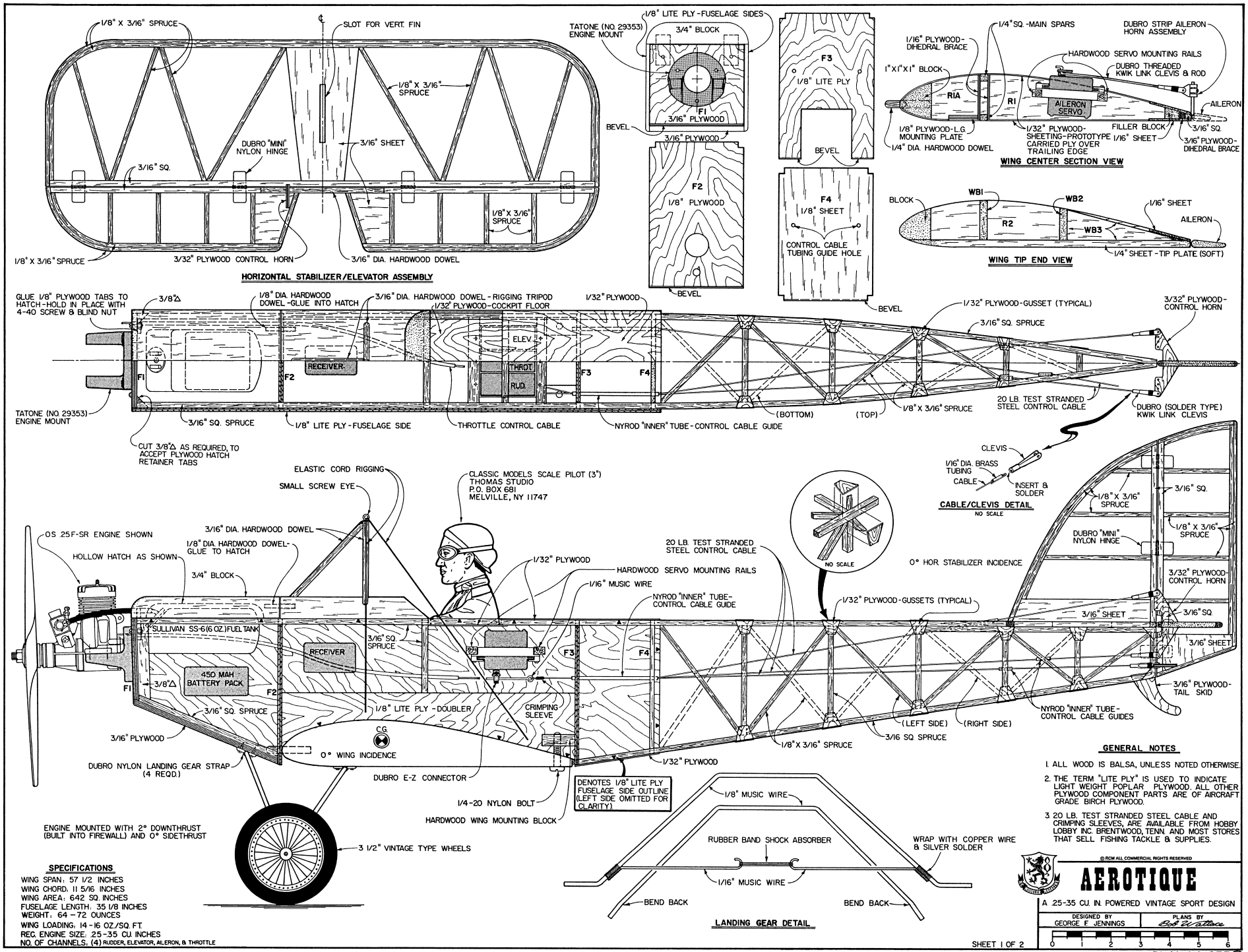
1/8" X 3/16" SPRUCE
SLOT FOR VERT. FIN
1/8" X 3/16" SPRUCE
DUBRO "MINI" NYLON HINGE
3/16" SHEET
3/16" SQ.
1/8" X 3/16" SPRUCE
1/8" X 3/16" SPRUCE
3/32" PLYWOOD CONTROL HORN
3/16" DIA. HARDWOOD DOWEL
HORIZONTAL STABILIZER/ELEVATOR ASSEMBLY
TATONE (NO. 29353) ENGINE MOUNT
1/8" LITE PLY-FUSELAGE SIDES
3/4" BLOCK
F1
3/16" PLYWOOD
BEVEL
3/16" PLYWOOD
F2
1/8" PLYWOOD
BEVEL
F3
1/8" LITE PLY
BEVEL
F4
1/8" SHEET
CONTROL CABLE TUBING GUIDE HOLE
BEVEL
1/4" SQ.-MAIN SPARS
DUBRO STRIP AILERON HORN ASSEMBLY
1/16" PLYWOOD-DIHEDRAL BRACE
HARDWOOD SERVO MOUNTING RAILS
1"X1"X1" BLOCK
DUBRO THREADED KWIK LINK CLEVIS & ROD
R1A
R1
AILERON SERVO
AILERON
1/8" PLYWOOD-L.G. MOUNTING PLATE
1/32" PLYWOOD-SHEETING-PROTOTYPE CARRIED PLY OVER TRAILING EDGE
FILLER BLOCK
1/16" SHEET
3/16" SQ.
1/4" DIA. HARDWOOD DOWEL
3/16" PLYWOOD-DIHEDRAL BRACE
WING CENTER SECTION VIEW
BLOCK
WB1
WB2
R2
WB3
1/16" SHEET
AILERON
1/4" SHEET-TIP PLATE (SOFT)
WING TIP END VIEW
GLUE 1/8" PLYWOOD TABS TO HATCH-HOLD IN PLACE WITH 4-40 SCREW & BLIND NUT
3/8"Δ
1/8" DIA. HARDWOOD DOWEL-GLUE INTO HATCH
3/16" DIA. HARDWOOD DOWEL-RIGGING TRIPOD
1/32" PLYWOOD-COCKPIT FLOOR
1/32" PLYWOOD
1/32" PLYWOOD-GUSSET (TYPICAL)
3/32" PLYWOOD-CONTROL HORN
3/16" SQ. SPRUCE
ELEV.
RECEIVER
THROT.
RUD.
F1
F2
F3
F4
TATONE (NO. 29353) ENGINE MOUNT
3/16" SQ. SPRUCE
1/8" LITE PLY-FUSELAGE SIDE
THROTTLE CONTROL CABLE
NYROD "INNER" TUBE-CONTROL CABLE GUIDE
(BOTTOM)
(TOP)
1/8" X 3/16" SPRUCE
20 LB. TEST STRANDED STEEL CONTROL CABLE
DUBRO (SOLDER TYPE) KWIK LINK CLEVIS
CUT 3/8"Δ AS REQUIRED, TO ACCEPT PLYWOOD HATCH RETAINER TABS
CLEVIS
1/16" DIA. BRASS TUBING
CABLE
INSERT & SOLDER
CABLE/CLEVIS DETAIL
NO SCALE
ELASTIC CORD RIGGING
SMALL SCREW EYE
CLASSIC MODELS SCALE PILOT (3")
THOMAS STUDIO
P.O. BOX 681
MELVILLE, NY 11747
NO SCALE
1/8" X 3/16" SPRUCE
3/16" SQ.
1/8" X 3/16" SPRUCE
DUBRO "MINI" NYLON HINGE
OS .25F-SR ENGINE SHOWN
3/16" DIA. HARDWOOD DOWEL
1/8" DIA. HARDWOOD DOWEL-GLUE TO HATCH
HOLLOW HATCH AS SHOWN
3/4" BLOCK
1/32" PLYWOOD
HARDWOOD SERVO MOUNTING RAILS
1/16" MUSIC WIRE
20 LB. TEST STRANDED STEEL CONTROL CABLE
0° HOR STABILIZER INCIDENCE
3/32" PLYWOOD-CONTROL HORN
NYROD "INNER" TUBE-CONTROL CABLE GUIDE
1/32" PLYWOOD-GUSSETS (TYPICAL)
3/16" SHEET
3/16" SQ.
SULLIVAN SS-6 (6 OZ.) FUEL TANK
RECEIVER
3/16" SQ. SPRUCE
3/16" SHEET
450 MAH BATTERY PACK
3/8"Δ
F1
F2
F3
F4
3/16" PLYWOOD-TAIL SKID
3/16" SQ. SPRUCE
1/8" LITE PLY-DOUBLER
CRIMPING SLEEVE
NYROD "INNER" TUBE-CONTROL CABLE GUIDES
(LEFT SIDE)
(RIGHT SIDE)
3/16" PLYWOOD
CG
0° WING INCIDENCE
1/8" X 3/16" SPRUCE
3/16 SQ. SPRUCE
DUBRO NYLON LANDING GEAR STRAP (4 REQD.)
DUBRO E-Z CONNECTOR
1/32" PLYWOOD
DENOTES 1/8" LITE PLY FUSELAGE SIDE OUTLINE (LEFT SIDE OMITTED FOR CLARITY)
1/4-20 NYLON BOLT
HARDWOOD WING MOUNTING BLOCK
ENGINE MOUNTED WITH 2° DOWNTHRUST (BUILT INTO FIREWALL) AND 0° SIDETHRUST
3 1/2" VINTAGE TYPE WHEELS
1/8" MUSIC WIRE
RUBBER BAND SHOCK ABSORBER
WRAP WITH COPPER WIRE & SILVER SOLDER
1/16" MUSIC WIRE
BEND BACK
BEND BACK
LANDING GEAR DETAIL
SPECIFICATIONS
WING SPAN: 57 1/2 INCHES
WING CHORD: 11 5/16 INCHES
WING AREA: 642 SQ. INCHES
FUSELAGE LENGTH: 35 1/8 INCHES
WEIGHT: 64 – 72 OUNCES
WING LOADING: 14-16 OZ./SQ. FT.
REQ. ENGINE SIZE: 25-35 CU. INCHES
NO. OF CHANNELS: (4) RUDDER, ELEVATOR, AILERON, & THROTTLE
GENERAL NOTES
1. ALL WOOD IS BALSA, UNLESS NOTED OTHERWISE.
2. THE TERM "LITE PLY" IS USED TO INDICATE LIGHT WEIGHT POPLAR PLYWOOD. ALL OTHER PLYWOOD COMPONENT PARTS ARE OF AIRCRAFT GRADE BIRCH PLYWOOD.
3. 20 LB. TEST STRANDED STEEL CABLE AND CRIMPING SLEEVES, ARE AVAILABLE FROM HOBBY LOBBY INC. BRENTWOOD, TENN. AND MOST STORES THAT SELL FISHING TACKLE & SUPPLIES.
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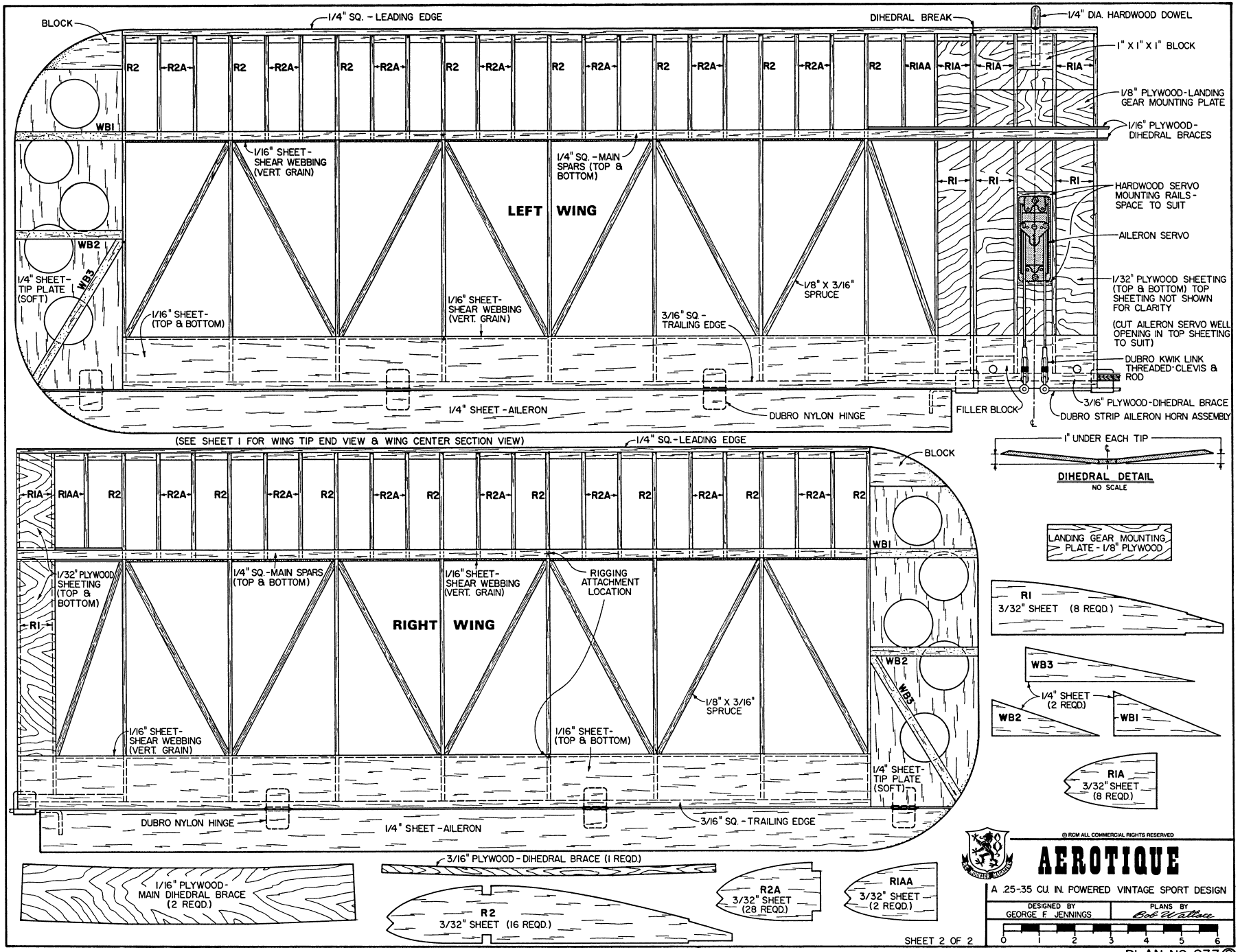
AEROTIQUE
A .25-35 CU. IN. POWERED VINTAGE SPORT DESIGN
DESIGNED BY GEORGE F. JENNINGS
PLANS BY Bob Wallace
0 1 2 3 4 5 6
SHEET 1 OF 2
PLAN NO. 833②


BLOCK
1/4" SQ. - LEADING EDGE
DIHEDRAL BREAK
1/4" DIA. HARDWOOD DOWEL
1" X 1" X 1" BLOCK
R2
R2A
RIAA
RIA
RI
WB1
WB2
WB3
1/8" PLYWOOD-LANDING GEAR MOUNTING PLATE
1/16" PLYWOOD-DIHEDRAL BRACES
1/16" SHEET-SHEAR WEBBING (VERT. GRAIN)
1/4" SQ. - MAIN SPARS (TOP & BOTTOM)
LEFT WING
HARDWOOD SERVO MOUNTING RAILS-SPACE TO SUIT
AILERON SERVO
1/4" SHEET-TIP PLATE (SOFT)
1/16" SHEET-(TOP & BOTTOM)
1/8" X 3/16" SPRUCE
3/16" SQ - TRAILING EDGE
1/32" PLYWOOD SHEETING (TOP & BOTTOM) TOP SHEETING NOT SHOWN FOR CLARITY
(CUT AILERON SERVO WELL OPENING IN TOP SHEETING TO SUIT)
DUBRO KWIK LINK THREADED-CLEVIS & ROD
3/16" PLYWOOD-DIHEDRAL BRACE
DUBRO STRIP AILERON HORN ASSEMBLY
1/4" SHEET - AILERON
DUBRO NYLON HINGE
FILLER BLOCK
(SEE SHEET 1 FOR WING TIP END VIEW & WING CENTER SECTION VIEW)
1" UNDER EACH TIP
DIHEDRAL DETAIL
NO SCALE
LANDING GEAR MOUNTING PLATE - 1/8" PLYWOOD
RI 3/32" SHEET (8 REQD.)
WB3
1/4" SHEET (2 REQD)
WB2
WB1
RIA 3/32" SHEET (8 REQD.)
1/32" PLYWOOD SHEETING (TOP & BOTTOM)
RIGHT WING
RIGGING ATTACHMENT LOCATION
1/4" SHEET-TIP PLATE (SOFT)
3/16" SQ. - TRAILING EDGE
3/16" PLYWOOD - DIHEDRAL BRACE (1 REQD.)
1/16" PLYWOOD-MAIN DIHEDRAL BRACE (2 REQD.)
R2 3/32" SHEET (16 REQD.)
R2A 3/32" SHEET (28 REQD.)
RIAA 3/32" SHEET (2 REQD.)
SHEET 2 OF 2
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AEROTIQUE
A .25-.35 CU. IN. POWERED VINTAGE SPORT DESIGN
DESIGNED BY GEORGE F. JENNINGS
PLANS BY Bob Wallace
0 1 2 3 4 5 6
PLAN NO. 833②