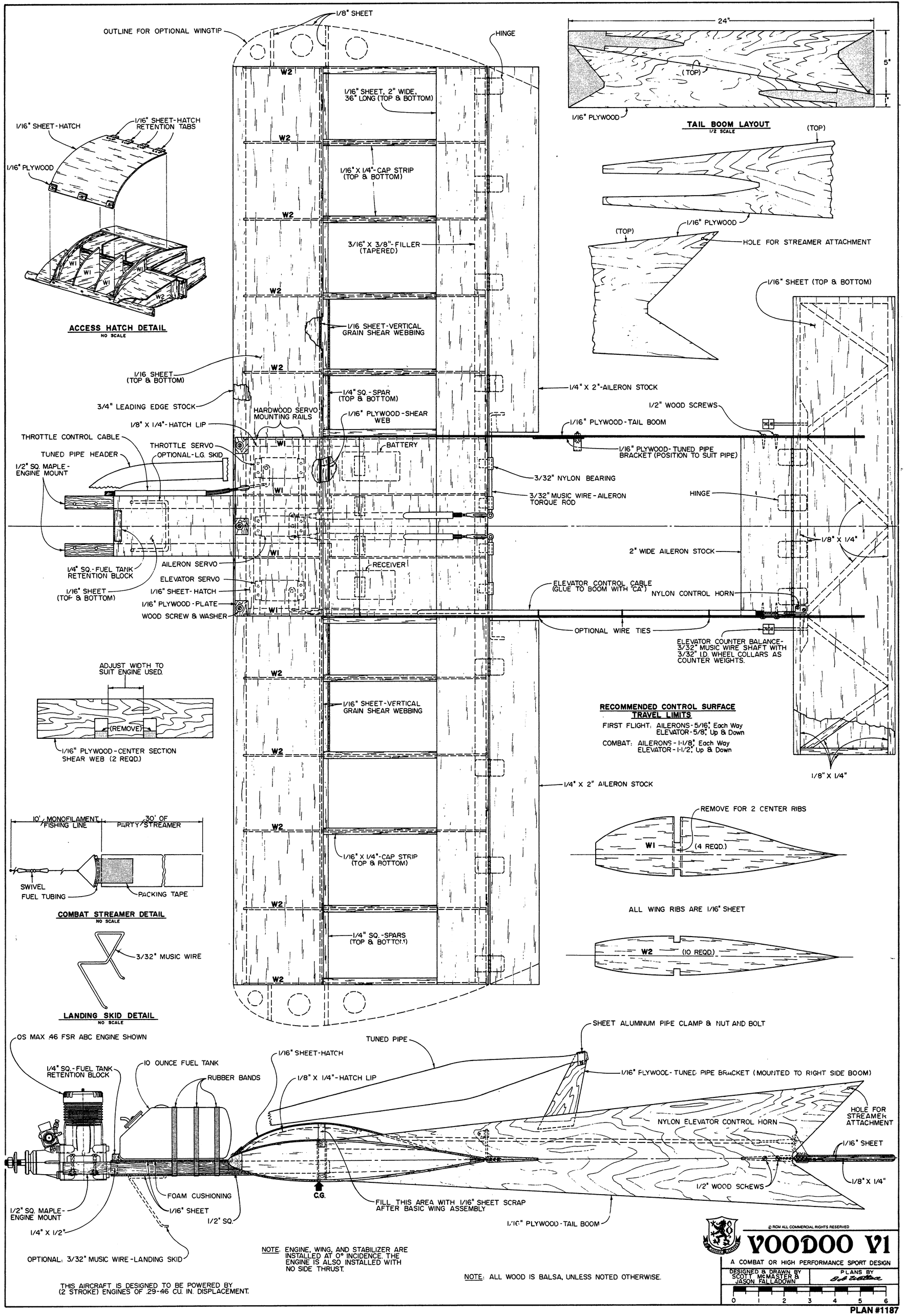
1/8" SHEET
OUTLINE FOR OPTIONAL WINGTIP
HINGE
1/16" SHEET, 2" WIDE, 36" LONG (TOP & BOTTOM)
1/16" X 1/4"-CAP STRIP (TOP & BOTTOM)
3/16" X 3/8"-FILLER (TAPERED)
1/16 SHEET-VERTICAL GRAIN SHEAR WEBBING
1/16 SHEET (TOP & BOTTOM)
1/4" SQ.-SPAR (TOP & BOTTOM)
1/16" PLYWOOD-SHEAR WEB
3/4" LEADING EDGE STOCK
HARDWOOD SERVO MOUNTING RAILS
1/8" X 1/4"-HATCH LIP
THROTTLE CONTROL CABLE
THROTTLE SERVO
TUNED PIPE HEADER
OPTIONAL-LG. SKID
1/2" SQ. MAPLE-ENGINE MOUNT
BATTERY
1/4" SQ.-FUEL TANK RETENTION BLOCK
AILERON SERVO
ELEVATOR SERVO
1/16" SHEET (TOP & BOTTOM)
1/16" SHEET-HATCH
1/16" PLYWOOD-PLATE
WOOD SCREW & WASHER
RECEIVER
1/16" SHEET-VERTICAL GRAIN SHEAR WEBBING
1/4" X 2"-AILERON STOCK
1/2" WOOD SCREWS
1/16" PLYWOOD-TAIL BOOM
1/16" PLYWOOD-TUNED PIPE BRACKET (POSITION TO SUIT PIPE)
3/32" NYLON BEARING
3/32" MUSIC WIRE-AILERON TORQUE ROD
HINGE
2" WIDE AILERON STOCK
1/8" X 1/4"
ELEVATOR CONTROL CABLE (GLUE TO BOOM WITH 'CA')
NYLON CONTROL HORN
OPTIONAL WIRE TIES
ELEVATOR COUNTER BALANCE-3/32" MUSIC WIRE SHAFT WITH 3/32" I.D. WHEEL COLLARS AS COUNTER WEIGHTS.
1/8" X 1/4"
1/4" X 2" AILERON STOCK
1/16" X 1/4"-CAP STRIP (TOP & BOTTOM)
1/4" SQ.-SPARS (TOP & BOTTOM)
W1
W2
1/16" SHEET-HATCH
1/16" SHEET-HATCH RETENTION TABS
1/16" PLYWOOD
ACCESS HATCH DETAIL
NO SCALE
24"
5"
(TOP)
1/16" PLYWOOD
TAIL BOOM LAYOUT
1/2 SCALE
(TOP)
1/16" PLYWOOD
(TOP)
HOLE FOR STREAMER ATTACHMENT
1/16" SHEET (TOP & BOTTOM)
ADJUST WIDTH TO SUIT ENGINE USED.
(REMOVE)
1/16" PLYWOOD-CENTER SECTION SHEAR WEB (2 REQD.)
RECOMMENDED CONTROL SURFACE TRAVEL LIMITS
FIRST FLIGHT: AILERONS-5/16" Each Way
ELEVATOR-5/8" Up & Down
COMBAT: AILERONS-1-1/8" Each Way
ELEVATOR-1-1/2" Up & Down
10' MONOFILAMENT FISHING LINE
30' OF PARTY STREAMER
SWIVEL
FUEL TUBING
PACKING TAPE
COMBAT STREAMER DETAIL
NO SCALE
3/32" MUSIC WIRE
LANDING SKID DETAIL
NO SCALE
REMOVE FOR 2 CENTER RIBS
W1
(4 REQD.)
ALL WING RIBS ARE 1/16" SHEET
W2
(10 REQD.)
OS MAX .46 FSR ABC ENGINE SHOWN
1/4" SQ.-FUEL TANK RETENTION BLOCK
10 OUNCE FUEL TANK
RUBBER BANDS
1/16" SHEET-HATCH
1/8" X 1/4"-HATCH LIP
TUNED PIPE
SHEET ALUMINUM PIPE CLAMP & NUT AND BOLT
1/16" PLYWOOD-TUNED PIPE BRACKET (MOUNTED TO RIGHT SIDE BOOM)
HOLE FOR STREAMER ATTACHMENT
NYLON ELEVATOR CONTROL HORN
1/16" SHEET
1/8" X 1/4"
1/2" WOOD SCREWS
C.G.
FOAM CUSHIONING
1/16" SHEET
1/2" SQ.
FILL THIS AREA WITH 1/16" SHEET SCRAP AFTER BASIC WING ASSEMBLY
1/16" PLYWOOD-TAIL BOOM
1/2" SQ. MAPLE-ENGINE MOUNT
1/4" X 1/2"
OPTIONAL: 3/32" MUSIC WIRE-LANDING SKID
NOTE: ENGINE, WING, AND STABILIZER ARE INSTALLED AT 0° INCIDENCE. THE ENGINE IS ALSO INSTALLED WITH NO SIDE THRUST.
NOTE: ALL WOOD IS BALSA, UNLESS NOTED OTHERWISE.
THIS AIRCRAFT IS DESIGNED TO BE POWERED BY (2 STROKE) ENGINES OF .29-.46 CU. IN. DISPLACEMENT.
© RCM ALL COMMERCIAL RIGHTS RESERVED
VOODOO V1
A COMBAT OR HIGH PERFORMANCE SPORT DESIGN
DESIGNED & DRAWN BY SCOTT MCMASTER & JASON FALLADOWN
PLANS BY Bob Wallace
0 1 2 3 4 5 6
PLAN #1187