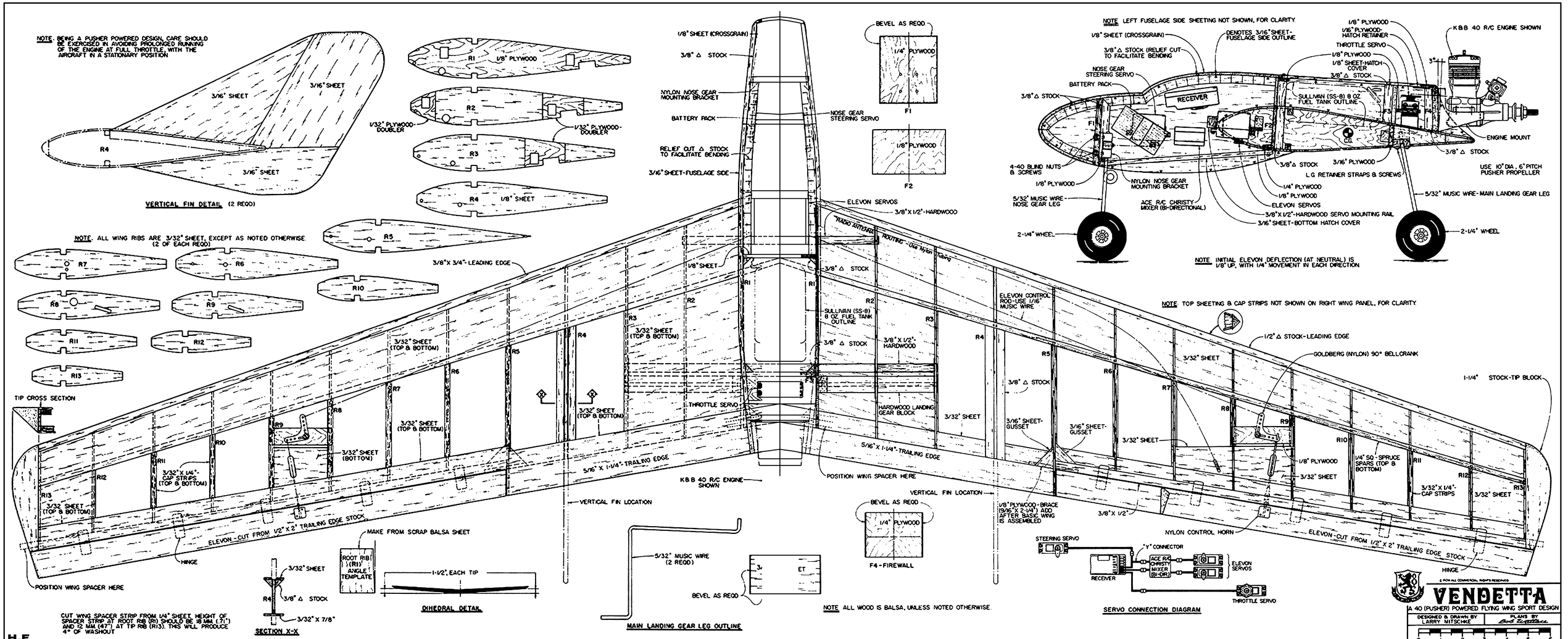
NOTE. BEING A PUSHER POWERED DESIGN, CARE SHOULD BE EXERCISED IN AVOIDING PROLONGED RUNNING OF THE ENGINE AT FULL THROTTLE, WITH THE AIRCRAFT IN A STATIONARY POSITION
3/16" SHEET
3/16" SHEET
R4
3/16" SHEET
VERTICAL FIN DETAIL (2 REQD)
R1
1/8" PLYWOOD
R2
1/32" PLYWOOD-DOUBLER
1/32" PLYWOOD-DOUBLER
R3
R4
1/8" SHEET
R5
NOTE. ALL WING RIBS ARE 3/32" SHEET, EXCEPT AS NOTED OTHERWISE. (2 OF EACH REQD)
R7
R6
R10
R8
R9
R11
R12
R13
TIP CROSS SECTION
1/8" SHEET (CROSSGRAIN)
3/8" Δ STOCK
NYLON NOSE GEAR MOUNTING BRACKET
BATTERY PACK
RELIEF CUT Δ STOCK TO FACILITATE BENDING
3/16" SHEET-FUSELAGE SIDE
BEVEL AS REQD
1/4" PLYWOOD
F1
1/8" PLYWOOD
F2
NOSE GEAR STEERING SERVO
ELEVON SERVOS
3/8" X 1/2"-HARDWOOD
RADIO ANTENNA ROUTING - Use Nylon tubing
3/8" X 3/4"-LEADING EDGE
1/8" SHEET
3/8" Δ STOCK
SULLIVAN (SS-8) 8 OZ FUEL TANK OUTLINE
3/8" Δ STOCK
3/8" X 1/2"-HARDWOOD
3/32" SHEET (TOP & BOTTOM)
3/32" SHEET (TOP & BOTTOM)
3/32" SHEET (TOP & BOTTOM)
3/32" SHEET (TOP & BOTTOM)
3/32" SHEET (BOTTOM)
3/32" X 1/4"-CAP STRIPS (TOP & BOTTOM)
3/32" SHEET (TOP & BOTTOM)
THROTTLE SERVO
HARDWOOD LANDING GEAR BLOCK
3/32" SHEET
5/16" X 1-1/4"-TRAILING EDGE
5/16" X 1-1/4"-TRAILING EDGE
K&B 40 R/C ENGINE SHOWN
VERTICAL FIN LOCATION
POSITION WING SPACER HERE
ELEVON CONTROL ROD-USE 1/16" MUSIC WIRE
3/8" Δ STOCK
3/16" SHEET-GUSSET
3/16" SHEET-GUSSET
3/32" SHEET
1/8" PLYWOOD-BRACE (9/16" X 2-1/4") ADD AFTER BASIC WING IS ASSEMBLED
3/8" X 1/2"
ELEVON-CUT FROM 1/2" X 2" TRAILING EDGE STOCK
HINGE
POSITION WING SPACER HERE
ELEVON-CUT FROM 1/2" X 2" TRAILING EDGE STOCK
HINGE
NOTE TOP SHEETING & CAP STRIPS NOT SHOWN ON RIGHT WING PANEL, FOR CLARITY
1/2" Δ STOCK-LEADING EDGE
GOLDBERG (NYLON) 90° BELLCRANK
1-1/4" STOCK-TIP BLOCK
3/32" SHEET
1/8" PLYWOOD
1/4" SQ-SPRUCE SPARS (TOP & BOTTOM)
3/32" SHEET
3/32" X 1/4"-CAP STRIPS
3/32" SHEET
NYLON CONTROL HORN
NOTE LEFT FUSELAGE SIDE SHEETING NOT SHOWN, FOR CLARITY
1/8" SHEET (CROSSGRAIN)
DENOTES 3/16" SHEET-FUSELAGE SIDE OUTLINE
3/8" Δ STOCK (RELIEF CUT TO FACILITATE BENDING
NOSE GEAR STEERING SERVO
BATTERY PACK
3/8" Δ STOCK
RECEIVER
SULLIVAN (SS-8) 8 OZ FUEL TANK OUTLINE
4-40 BLIND NUTS & SCREWS
1/8" PLYWOOD
5/32" MUSIC WIRE-NOSE GEAR LEG
NYLON NOSE GEAR MOUNTING BRACKET
ACE R/C CHRISTY MIXER (BI-DIRECTIONAL)
3/8" Δ STOCK
3/16" PLYWOOD
L.G RETAINER STRAPS & SCREWS
1/4" PLYWOOD
1/8" PLYWOOD
ELEVON SERVOS
3/8" X 1/2"-HARDWOOD SERVO MOUNTING RAIL
3/16" SHEET-BOTTOM HATCH COVER
2-1/4" WHEEL
1/8" PLYWOOD
1/16" PLYWOOD-HATCH RETAINER
THROTTLE SERVO
1/8" PLYWOOD
1/8" SHEET-HATCH COVER
3/8" Δ STOCK
K&B 40 R/C ENGINE SHOWN
3°
ENGINE MOUNT
3/8" Δ STOCK
USE 10" DIA. 6" PITCH PUSHER PROPELLER
5/32" MUSIC WIRE-MAIN LANDING GEAR LEG
2-1/4" WHEEL
NOTE INITIAL ELEVON DEFLECTION (AT NEUTRAL) IS 1/8" UP, WITH 1/4" MOVEMENT IN EACH DIRECTION
MAKE FROM SCRAP BALSA SHEET
ROOT RIB (R11) ANGLE TEMPLATE
1-1/2", EACH TIP
DIHEDRAL DETAIL
3/32" SHEET
R4
3/8" Δ STOCK
3/32" X 7/8"
SECTION X-X
CUT WING SPACER STRIP FROM 1/4" SHEET. HEIGHT OF SPACER STRIP AT ROOT RIB (R1) SHOULD BE 18 MM (.71") AND 12 MM (.47") AT TIP RIB (R13). THIS WILL PRODUCE 4° OF WASHOUT
5/32" MUSIC WIRE (2 REQD)
BEVEL AS REQD
ET
MAIN LANDING GEAR LEG OUTLINE
BEVEL AS REQD
1/4" PLYWOOD
F4-FIREWALL
NOTE ALL WOOD IS BALSA, UNLESS NOTED OTHERWISE.
STEERING SERVO
"Y" CONNECTOR
ACE R/C CHRISTY MIXER (BI-DIR)
ELEVON SERVOS
RECEIVER
THROTTLE SERVO
SERVO CONNECTION DIAGRAM
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VENDETTA
A 40 (PUSHER) POWERED FLYING WING SPORT DESIGN
DESIGNED & DRAWN BY LARRY MITSCHKE
PLANS BY Bob Bartlett
0 1 2 3 4 5 6
H.E
PLAN NO. 1027