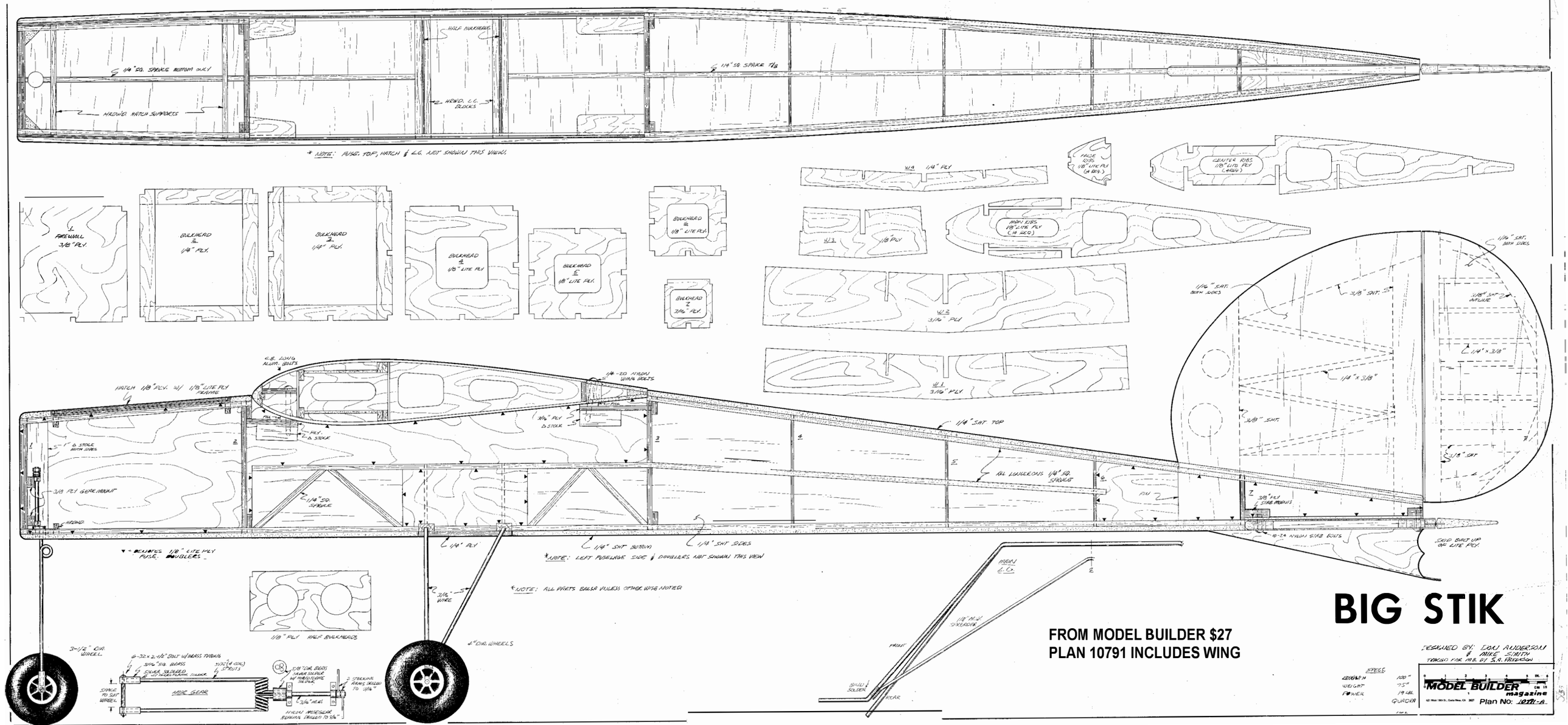
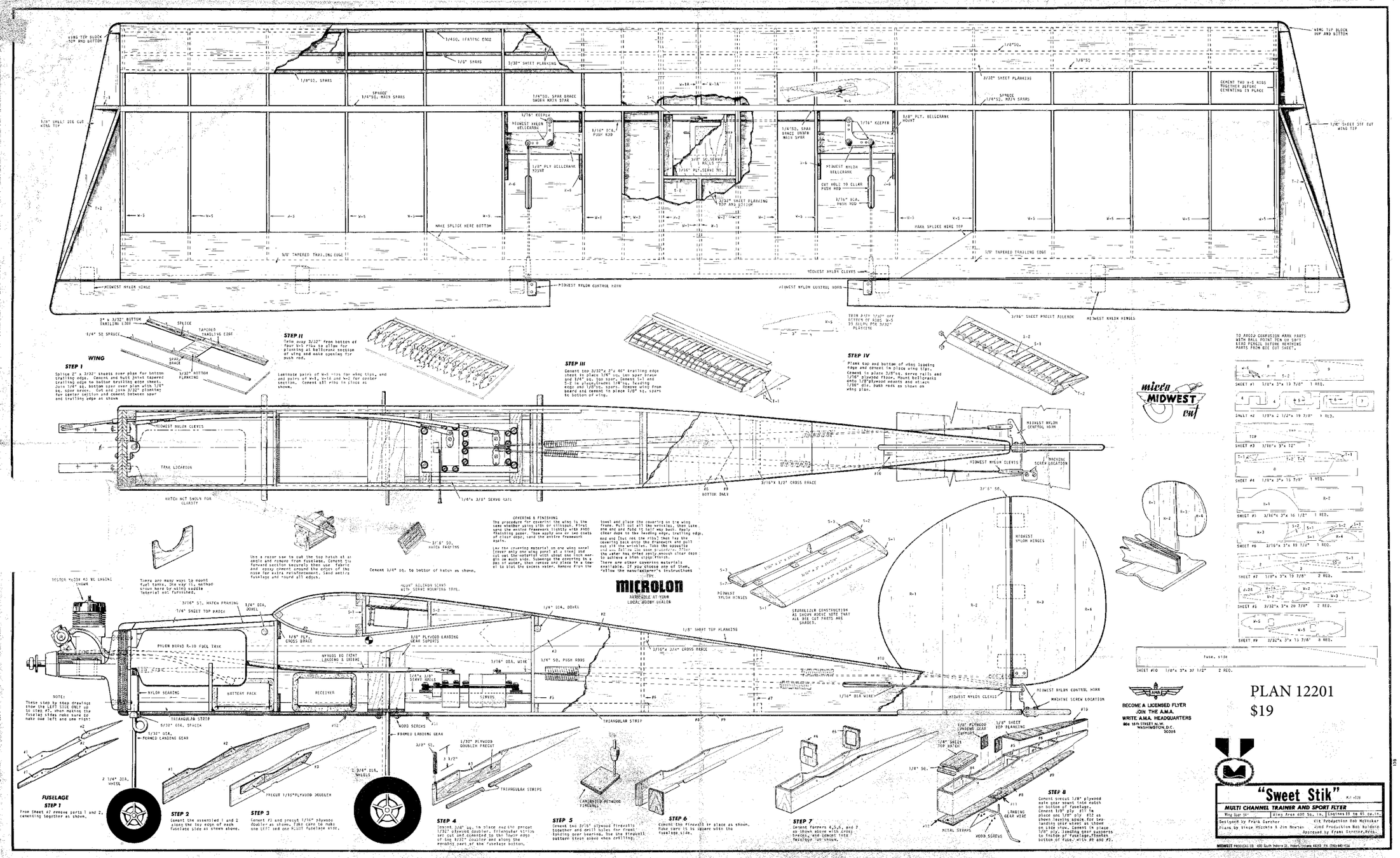
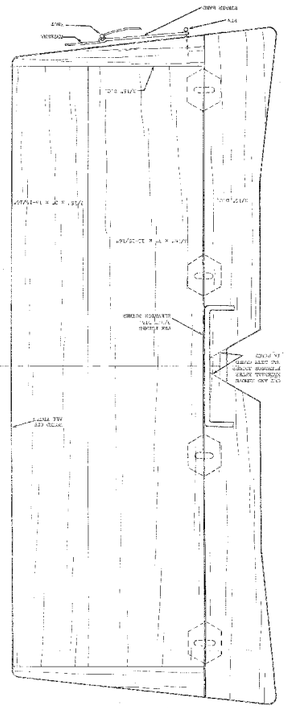
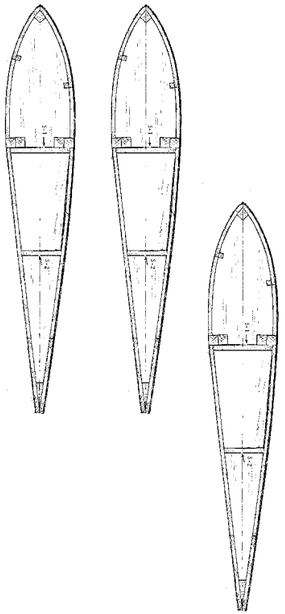
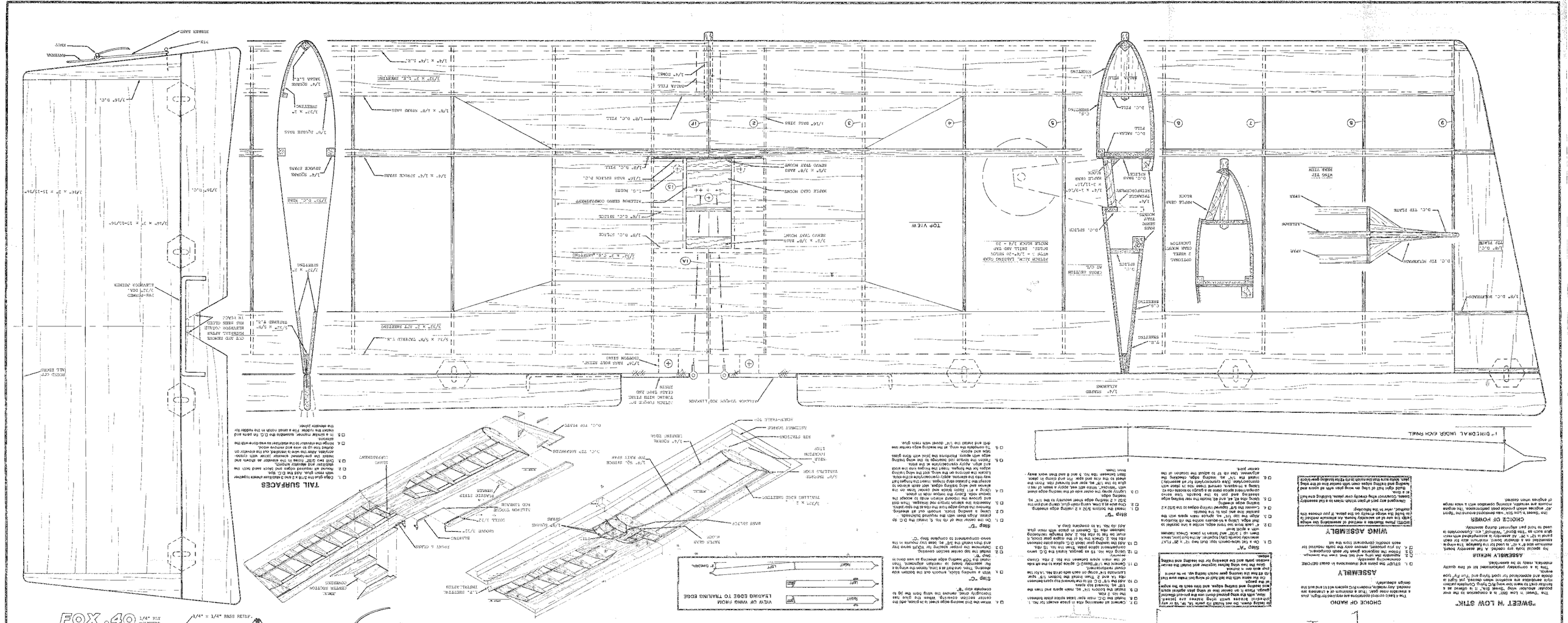

1/4" SQ. SPRUCE BOTTOM WING
HALF BULKHEADS
1/4" SQ SPRUCE
HEMWD. C.G. BLOCKS
MIDWING HATCH SUPPORTS
* NOTE: FUSEL. TOP, HATCH & L.G. NOT SHOWN THIS VIEW.
FIREWALL 3/16" PLY.
BULKHEAD 2 1/4" PLY.
BULKHEAD 3 1/4" PLY.
BULKHEAD 4 1/8" LITE PLY.
BULKHEAD 5 1/8" LITE PLY.
BULKHEAD 6 1/8" LITE PLY.
BULKHEAD 7 3/16" PLY.
W4 1/4" PLY
W3 1/8 PLY
W2 3/16" PLY
W1 3/16" PLY
NOSE RIBS 1/8" LITE PLY (4 REQ.)
CENTER RIBS 1/8" LITE PLY (4 REQ.)
MAIN RIBS 1/8" LITE PLY (4 REQ.)
1/16" SHT. BOTH SIDES
3/8" SHT.
1/4" x 3/8"
1/8" SHT.
C.G. LONG ALUM. BOLTS
1/4-20 NYLON WING BOLTS
HATCH 1/8" PLY. W/ 1/8" LITE PLY FRAME
3/16" PLY D STOCK
1/4" SHT TOP
1/4" D STOCK BOTH SIDES
3/8 PLY GEAR MOUNT
1/4" SQ. SPRUCE
ALL LONGERONS 1/4" SQ. SPRUCE
FIN
3/8" PLY SIDE MOUNTS
10-24 NYLON SIDE BOLTS
SKID BUILT UP OF LITE PLY.
1/4" PLY
1/4" SHT BOTTOM
1/4" SHT SIDES
* NOTE: LEFT FUSELAGE SIDE & DOUBLERS NOT SHOWN THIS VIEW
* NOTE: ALL PARTS BALSA UNLESS OTHERWISE NOTED
▼ = DENOTES 1/8" LITE PLY FUSE. DOUBLERS
1/8" PLY HALF BULKHEADS
3/16" WIRE
4" DIA. WHEELS
3-1/2" DIA. WHEEL
4-32 x 2-1/2" BOLT W/ BRASS FITTINGS
5/16" SQ. BRASS
SILVER SOLDERED
5/32" (4 GAG) STRUTS
5/8" DIA. SPEED SILVER SOLDER W/ MATCH FLAME SOLDER
SPACE TO SUIT WHEEL
MAIN GEAR
3/16" WIRE
NYLON WHEEL GEAR REMOVE SHOULD TO 3/16"
MAIN L.G.
1/8" DIA. SCREWDRIVER
FRONT
BUILD & SOLDER
REAR
BIG STIK
FROM MODEL BUILDER $27
PLAN 10791 INCLUDES WING
DESIGNED BY: DOU ANDERSON & MIKE SMITH
TRACED FOR MB. BY S.A. FRIEDSON
SPECS.
LENGTH 100"
WEIGHT 75#
POWER 1/4 GAL
QUACKER
MODEL BUILDER magazine
Plan No: 10791-B

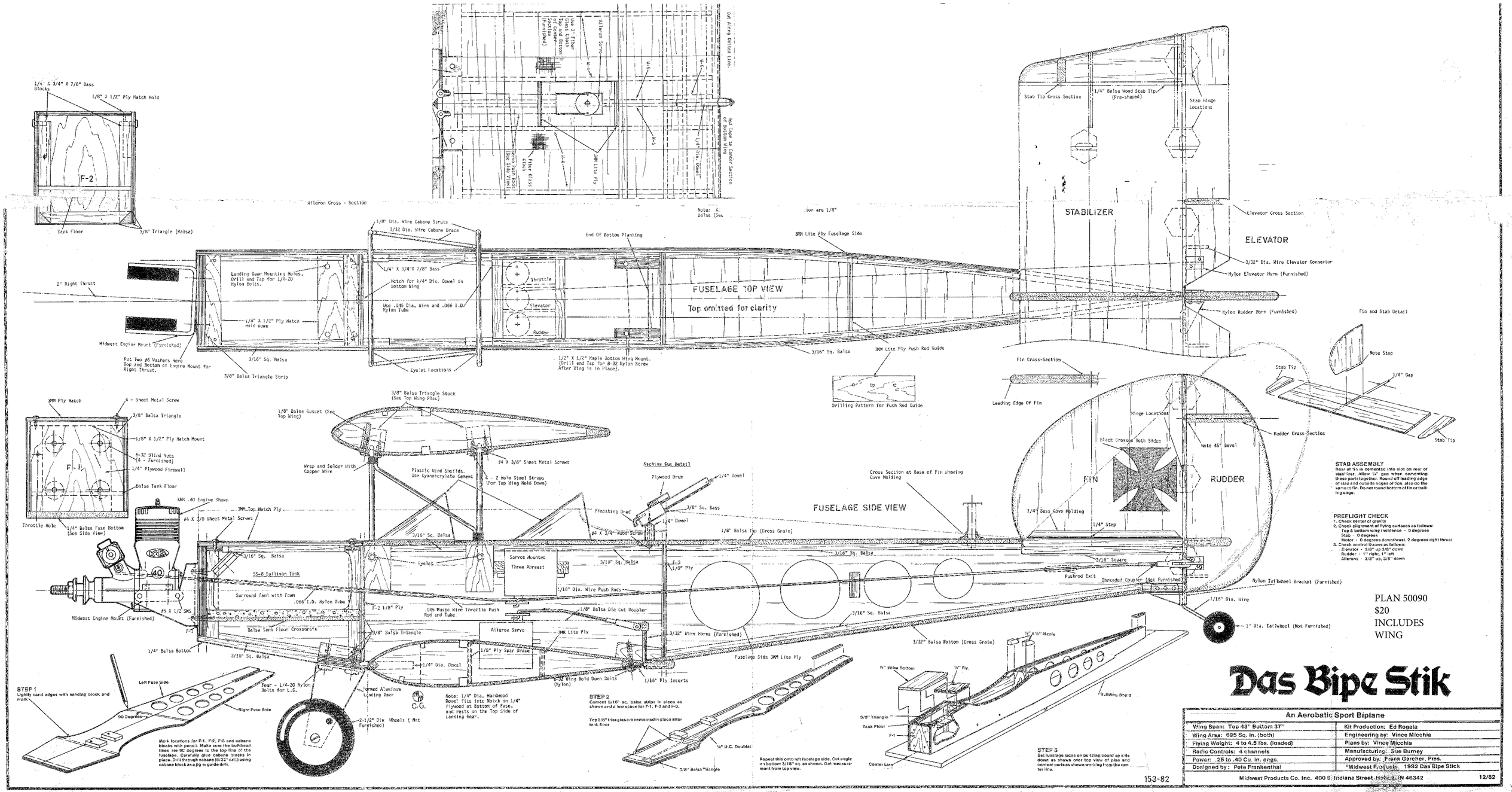

WING TIP BLOCK TOP AND BOTTOM
3/4SQ. LEADING EDGE
1/8" SQ. SPARS
1/4" SPARS
3/32" SHEET PLANKING
SPRUCE 1/4"SQ. MAIN SPARS
1/4"SQ. SPAR BRACE UNDER MAIN SPAR
1/8" SHEET 21G CUT WING TIP
1/16" KEEPER
MIDWEST NYLON BELLCRANK
1/8" PLY BELLCRANK MOUNT
1/16" DIA. PUSH ROD
1/8" SQ. SERVO RAILS
1/16" PLY SERVO MT.
3/32" SHEET PLANKING TOP AND BOTTOM
1/4"SQ. SPAR BRACE UNDER MAIN SPAR
1/8" PLY. BELLCRANK MOUNT
MIDWEST NYLON BELLCRANK
CUT HOLE TO CLEAR PUSH ROD
1/16" DIA. PUSH ROD
CEMENT TWO W-5 RIBS TOGETHER BEFORE CEMENTING IN PLACE
1/8" SHEET 21G CUT WING TIP
MAKE SPLICE HERE BOTTOM
MAKE SPLICE HERE TOP
5/8" TAPERED TRAILING EDGE
MIDWEST NYLON CLEVIS
MIDWEST NYLON CONTROL HORN
MIDWEST NYLON HINGE
3/16" SHEET PRECUT AILERON
MIDWEST NYLON HINGES
TRIM AWAY 3/32" OFF BOTTOM OF RIBS W-5 TO SLIP ON 3/32" PLANKING
3" x 3/32" BOTTOM TRAILING EDGE
SPLICE
TAPERED TRAILING EDGE
1/4" SQ SPRUCE
SPAR BRACE
3/32" BOTTOM PLANKING
WING
STEP 1
Splice 2" x 3/32" sheets over plan for bottom trailing edge. Cement and butt joint tapered trailing edge to bottom trailing edge sheet. Join 1/8" sq. bottom spar over plan with 1/8" sq. spar cover. Cut and join 3/32" planking for center section and cement between spar and trailing edge as shown
STEP II
Trim away 3/32" from bottom of four W-5 ribs to allow for planking at bellcrank section of wing and make opening for push rod.
Laminate pairs of W-1 ribs for wing tips, and and pairs of W-1, W-1A and W-2 for center section. Cement all ribs in place as shown.
STEP III
Cement top 3/32"x 2" x 46" trailing edge sheet in place 1/4" sq. top spar brace and 1/4" sq. top spar. Install T-1 and T-2 in place. Install 1/4" sq. leading edge and 1/8" sq. spars. Remove wing from board and cement in place 1/8" sq. spars to bottom of wing.
STEP IV
Plank top and bottom of wing leading edge and cement in place wing tips. Cement in place 3/8"sq. corner fills and 1/16" plywood floor. Mount bellcranks onto 1/8"plywood mounts and attach 1/16" dia. push rods as shown on wing plan.
TO AVOID CONFUSION MARK PARTS WITH BALL POINT PEN OR SOFT LEAD PENCIL BEFORE REMOVING PARTS FROM DIE CUT SHEET.
SHEET #1 1/8"x 3"x 13 7/8" 1 REQ.
SHEET #2 1/8"x 2 1/2"x 19 7/8" 4 REQ.
SHEET #3 3/16"x 3"x 12" 1
SHEET #4 1/8"x 3"x 15 7/8" 1 REQ.
SHEET #5 3/16"x 3"x 16 1/2" 1 REQ.
SHEET #6 3/16"x 3"x 10 7/8" 1 REQ.
SHEET #7 1/8"x 3"x 19 7/8" 2 REQ.
SHEET #8 3/32"x 3"x 20 7/8" 2 REQ.
SHEET #9 3/32"x 3"x 13 7/8" 8 REQ.
SHEET #10 1/8"x 3"x 37 1/2" 2 REQ.
Fuse. side
MIDWEST NYLON CONTROL HORN
MIDWEST NYLON CLEVIS
MACHINE SCREW LOCATION
TRAK LOCATION
HATCH NOT SHOWN FOR CLARITY
1/4"x 3/8" SERVO RAIL
3/16"X 1/2" CROSS BRACE
#6 BOTTOM ONLY
#9
#10
37 5/8"
MIDWEST NYLON HINGES
STABILIZER CONSTRUCTION AS SHOWN ABOVE NOTE THAT ALL DIE CUT PARTS ARE SHADED.
COVERING & FINISHING
The procedure for covering the wing is the same whether using silk or siltissue. Prepare the surface by sanding with 400 grit finishing paper. Then apply one or two coats of clear dope; sand the entire framework again.
Lay the covering material on one wing panel (cover only one wing panel at a time) and cut out the material with about one inch margin on each side. Submerge the covering in a pan of water, then remove and place in a towel to blot the excess water. Remove from the towel and place the covering on the wing frame. Pull out all the wrinkles, then take a damp sponge and wet the edges of the clear dope to the leading edge, trailing edge, and end (but not the ribs) then tap the covering back onto the framework and pull out all the wrinkles. Take the opposite end and follow the same procedure. After the water has dried apply enough clear dope to achieve a high gloss finish.
There are other covering materials available. If you choose any of them, follow the manufacturer's instructions ---TOM
MICROLON
AVAILABLE AT YOUR LOCAL HOBBY DEALER
MIDWEST
BECOME A LICENSED FLYER JOIN THE A.M.A.
WRITE A.M.A. HEADQUARTERS
806 15th STREET N.W.
WASHINGTON, D.C.
20005
PLAN 12201
$19
TESTOR MODEL 40 VC ENGINE SHOWN
Cement 1/4" sq. to bottom of hatch as shown.
Use a razor saw to cut the top hatch at at ends and remove from fuselage. Cement the hardwood dowel in place. Use 400 grit and wet/dry sheet sanpaper the edges of the nose for extra reinforcement. Sand entire fuselage and round all edges.
There are many ways to mount fuel tanks. One way is, method shown here by using saddle material not furnished.
3/16" SQ. HATCH FRAMING
1/4" SHEET TOP HATCH
1/4" DIA. DOWEL
1/8" PLY. CROSS BRACE
1/8" PLYWOOD LANDING GEAR SUPPORTS
PYLON BRAND R-10 FUEL TANK
NYRODS TO FRONT LANDING & ENGINE
1/16" DIA. WIRE
1/4" SQ. PUSH RODS
1/8" SHEET TOP PLANKING
1/16"X 3/4" CROSS BRACE
#2
#3
#5
#6
#7
#10
#19
1/4"x 3/8" SERVO RAILS
SERVOS
RECEIVER
BATTERY PACK
NYLON BEARING
TRIANGULAR STRIP
MIDWEST NYLON CLEVIS
MIDWEST NYLON CONTROL HORN
MACHINE SCREW LOCATION
NOTE:
These step by step drawings show the LEFT SIDE ONLY up to step #3, when making the fuselage sides make sure to make one left and one right
5/32" DIA. SPACER
5/32" DIA. FORMED LANDING GEAR
2 1/4" DIA. WHEEL
#1
#2
#3
#12
#11
NOTE
STEP 1
From Sheet #7 remove parts 1 and 2, cementing together as shown.
STEP 2
Cement the assembled 1 and 2 along the top edge of each fuselage side as shown above.
STEP 3
Cement #3 and precut 1/16" plywood doubler as shown. Take care to make one LEFT and one RIGHT fuselage side.
PRECUT 1/16"PLYWOOD DOUBLER
NOTE
FORMED LANDING GEAR
3/8" SQ.
1/32" PLYWOOD DOUBLER PRECUT
2 1/2"
#4
TRIANGULAR STRIPS
2 3/4" DIA. WHEELS
STEP 4
Install 3/8" sq. in place and the precut 1/32" plywood doubler, triangular strips are cut and cemented to the lower edge of the 3/32" doubler and along the remaining part of the fuselage bottom.
LAMINATED PLYWOOD FIREWALL
STEP 5
Cement two 3/16" plywood firewalls together and drill holes for front landing gear bearings. The firewall pattern shown above when drilling.
STEP 6
Cement the firewall in place as shown. Make sure it is square with the fuselage sides.
#5
#6
#7
#8
#9
#11
#12
1/8" PLYWOOD LANDING GEAR SUPPORT
1/8" SHEET TOP PLANKING
1/4" SHEET TOP HATCH
1/8" SQ.
LANDING GEAR WIRE
METAL STRAPS
HOOD SCREWS
STEP 7
Install formers 4,5,6, and 7 as shown above with cross bracing for bearings. Cement into fuselage as shown.
STEP 8
Cement precut 1/8" plywood main gear mount into notch on bottom of fuselage. Cement 1/8" ply #11 in place and 1/8" ply #12 as shown leaving space for two landing gear wires as shown in side view. Cement in place the 1/8" sq. dowel mounts to inside of fuselage, flushes bottom of fuse. with #8 and #9.
"Sweet Stik"
KIT #120
MULTI CHANNEL TRAINER AND SPORT FLYER
Wing Span 54"
Wing Area 600 Sq. In.
Engines 19 to 45 cu.in.
Designed by Frank Gardner
Kit Production Bob Nytsker
Plans by Vince Micchia & Jim Newton
Jind Production Bob Baldwin
Approved by Frank Gardner, Pres.
MIDWEST PRODUCTS CO. 400 South Indiana St. Hobart, Indiana 46342 PH. (219) 942-1134

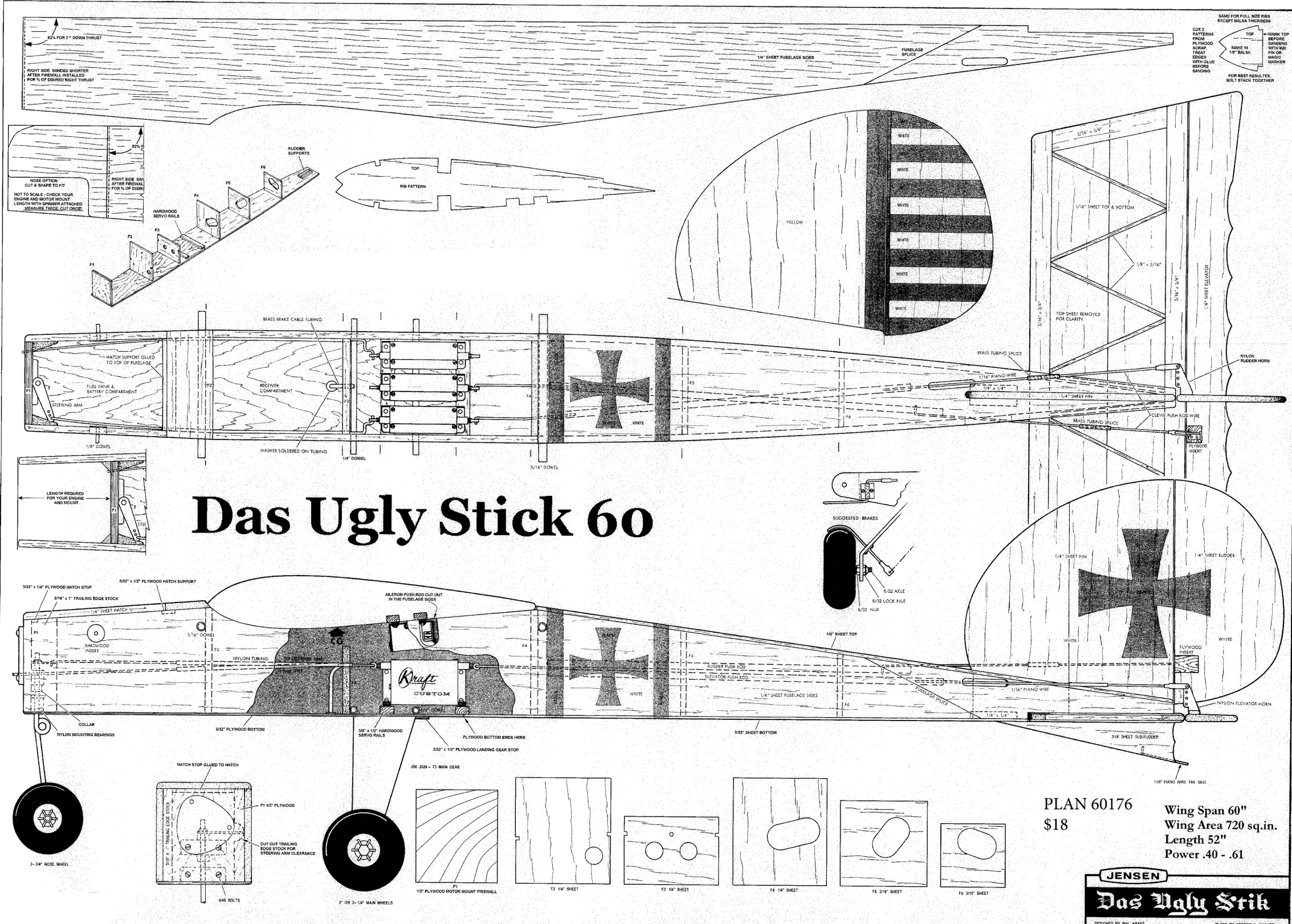


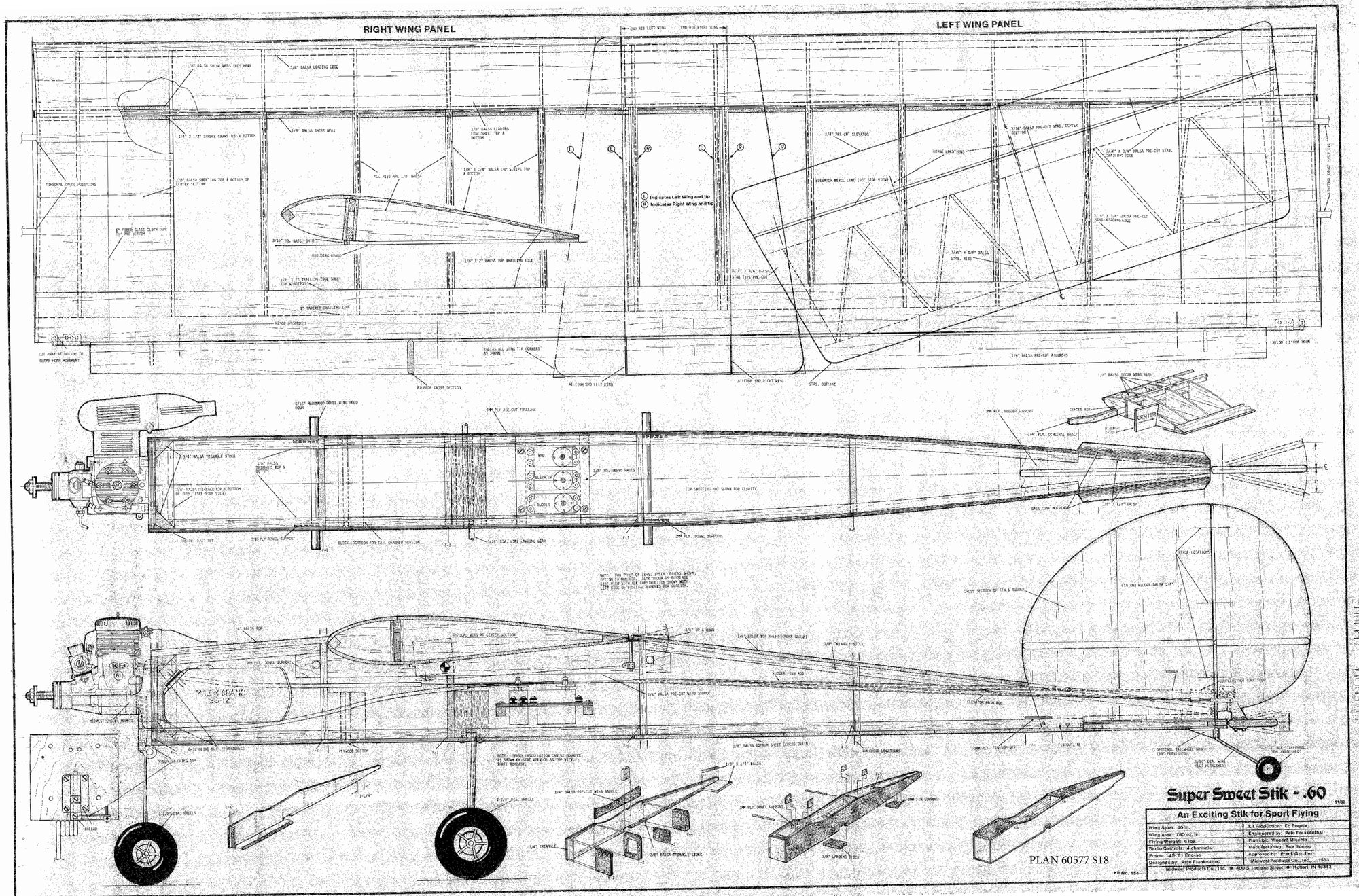




PLAN 16235 $18


1/4" X 3/4" X 7/8" Bass Blocks
1/8" X 1/2" Ply Hatch Hold
F-2
Tank Floor
3/8" Triangle (Balsa)
Aileron Cross - Section
Aileron Servo
Use 3" Fiber Glass Cloth Reinforcement of Cabane Section (Furnished)
Servo Push Rods (See Side View)
Fiber Glass Cloth
3MM Lite Ply
1/4" Dia. Dowel
Cut Along Dotted Line
Red Tape to Center Section of Bottom Wing
Note: A Balsa (See
ion are 1/8"
1/8" Dia. Wire Cabane Struts
3/32 Dia. Wire Cabane Brace
End Of Bottom Planking
3MM Lite Ply Fuselage Side
Landing Gear Mounting Holes, Drill and Tap for 1/4-20 Nylon Bolts.
2" Right Thrust
1/4" X 3/4" X 7/8" Bass
Notch for 1/4" Dia. Dowel on Bottom Wing
Use .045 Dia. Wire and .066 I.D. Nylon Tube
1/8" X 1/2" Ply Hatch Hold Down
Throttle
Elevator
Rudder
FUSELAGE TOP VIEW
Top omitted for clarity
Midwest Engine Mount (Furnished)
Put Two #6 Washers Here Top and Bottom of Engine Mount for Right Thrust.
3/16" Sq. Balsa
3/8" Balsa Triangle Strip
Eyelet Locations
1/2" X 1/2" Maple Bottom Wing Mount. (Drill and Tap for 8-32 Nylon Screw After Wing is in Place).
3/16" Sq. Balsa
3MM Lite Ply Push Rod Guide
Drilling Pattern for Push Rod Guide
STABILIZER
Stab Tip Cross Section
1/4" Balsa Wood Stab Tip (Pre-shaped)
Stab Hinge Locations
Elevator Cross Section
ELEVATOR
3/32" Dia. Wire Elevator Connector
Nylon Elevator Horn (Furnished)
Nylon Rudder Horn (Furnished)
Fin and Stab Detail
Note Step
1/4" Gap
Stab Tip
Stab Tip
Fin Cross-Section
Leading Edge Of Fin
Hinge Locations
Black Crosses Both Sides
Note 45° Bevel
Rudder Cross Section
FIN
RUDDER
1/4" Bass Cove Molding
1/4" Step
3MM Ply Hatch
4 - Sheet Metal Screw
3/8" Balsa Triangle
1/8" X 1/2" Ply Hatch Mount
6-32 Blind Nuts (4 - Furnished)
1/4" Plywood Firewall
F-1
Balsa Tank Floor
Throttle Hole
1/4" Balsa Fuse Bottom (See Side View)
K&B .40 Engine Shown
3MM Top Hatch Ply
#4 X 3/8 Sheet Metal Screws
3/16" Sq. Balsa
SS-8 Sullivan Tank
Surround Tank with Foam
.066 I.D. Nylon Tube
#5 X 1/2 SMS
Midwest Engine Mount (Furnished)
F-1
Balsa Tank Floor Crossgrain
1/4" Balsa Bottom
3/16" Sq. Balsa
3/8" Balsa Triangle Stock (See Top Wing Plan)
1/8" Balsa Gusset (See Top Wing)
Wrap and Solder With Copper Wire
Plastic Wind Shields. Use Cyanoacrylate Cement
#4 X 3/8" Sheet Metal Screws
2 Hole Steel Straps (For Top Wing Hold Down)
Machine Gun Detail
Plywood Drum
1/4" Dowel
3/8" Sq. Bass
1/4" Dowel
Finishing Brad
#4 X 3/4" Rubber Screw
3/16" Sq. Balsa
Eyelet
Servos Mounted Three Abreast
3/16" Sq. Balsa
F-3 1/8" Ply
1/16" Dia. Wire Push Rods
F-2 1/8" Ply
.045 Music Wire Throttle Push Rod and Tube
1/8" Balsa Die Cut Doubler
Aileron Servo
3MM Lite Ply
1/8" Ply Spar Brace
1/4" Dia. Dowel
Wing Hold Down Bolts (Nylon)
1/16" Ply Inserts
3/32" Wire Horns (Furnished)
Fuselage Side 3MM Lite Ply
FUSELAGE SIDE VIEW
Cross Section at Base of Fin showing Cove Molding
1/8" Balsa Top (Cross Grain)
3/16" Sq. Balsa
3/16" Sq. Balsa
3/16" Square
Pushrod Exit
Threaded Coupler (Not Furnished)
Nylon Tailwheel Bracket (Furnished)
1/16" Dia. Wire
1" Dia. Tailwheel (Not Furnished)
3/16" Sq. Balsa
3/32" Balsa Bottom (Cross Grain)
1/4" X 1/4" Maple
1/4" Balsa Bottom
1/4" Ply.
Building Board
3/8" Triangle
Tank Floor
F-1
Center Line
STEP 1
Lightly sand edges with sanding block and mark
Left Fuse Side
90 Degrees
Right Fuse Side
Four - 1/4-20 Nylon Bolts for L.G.
Formed Aluminum Landing Gear
C.G.
2-1/2" Dia. Wheels (Not Furnished)
Mark locations for F-1, F-2, F-3 and cabane blocks with pencil. Make sure the bulkhead lines are 90 degrees to the top line of the fuselage. Carefully glue cabane blocks in place. Drill through cabane (0/32" drill) using cabane block as a jig to guide drill.
Note: 1/4" Dia. Hardwood Dowel fits into Notch in 1/4" Plywood at Bottom of Fuse, and rests on the Top Side of Landing Gear.
STEP 2
Cement 3/16" sq. balsa strips in place as shown and allow space for F-1, F-2 and F-3.
Top 3/8" triangles are cemented in place after tank floor
1/4" D.C. Doubler.
3/8" Balsa Triangle
Repeat this onto left fuselage side. Cut angle on bottom 3/16" sq. as shown. Get measurement from top view.
STEP 3
Set fuselage sides on building board up side down as shown over top view of plan and cement parts as shown working from the center line.
STAB ASSEMBLY
Rear of fin is cemented into slot on rear of stabilizer. Allow 1/4" gap when cementing these parts together. Round off leading edge of stab and outside edges of tips, also do the same to fin. Do not round bottom of fin or trailing edge.
PREFLIGHT CHECK
1. Check center of gravity
2. Check alignment of flying surfaces as follows:
Top & bottom wing incidence - 0 degrees
Stab - 0 degrees
Motor - 0 degrees downthrust, 2 degrees right thrust
3. Check control throws as follows:
Elevator - 3/8" up 3/8" down
Rudder - 1" right, 1" left
Aileron - 3/8" up, 3/8" down
PLAN 50090
$20
INCLUDES
WING
Das Bipe Stik
An Aerobatic Sport Biplane
Wing Span: Top 43" Bottom 37"
Wing Area: 695 Sq. in. (both)
Flying Weight: 4 to 4.5 lbs. (loaded)
Radio Controls: 4 channels
Power: .25 to .40 Cu. in. engs.
Designed by: Pete Frankenthal
Kit Production: Ed Rogala
Engineering by: Vince Micchia
Plans by: Vince Micchia
Manufacturing: Sue Burney
Approved by: Frank Garcher, Pres.
©Midwest Products 1982 Das Bipe Stick
Midwest Products Co. Inc. 400 S. Indiana Street Hobart, IN 46342
12/82
153-82


Das Ugly Stick 60
92% FOR 2° DOWN THRUST
RIGHT SIDE SANDED SHORTER AFTER FIREWALL INSTALLED FOR ½ OF DISIRED RIGHT THRUST
1/4" SHEET FUSELAGE SIDES
FUSELAGE SPLICE
SAME FOR FULL SIZE RIBS EXCEPT BALSA THICKNESS
CUT 2 PATTERNS FROM PLYWOOD SCRAP. TREAT EDGES WITH GLUE BEFORE SANDING
MAKE 14 1/8" BALSA
TOP
MARK TOP BEFORE SANDING WITH INK PIN OR MAGIC MARKER
FOR BEST RESULTES, BOLT STACK TOGETHER
NOSE OPTION: CUT & SHAPE TO FIT
NOT TO SCALE - CHECK YOUR ENGINE AND MOTOR MOUNT LENGTH WITH SPINNER ATTACHED MEASURE TWICE, CUT ONCE!
RUDDER SUPPORTS
HARDWOOD SERVO RAILS
F1
F2
F3
F4
F5
F6
TOP
RIB PATTERN
YELLOW
WHITE
1/16" SHEET TOP & BOTTOM
3/16" x 3/4"
1/8" x 3/16"
TOP SHEET REMOVED FOR CLARITY
1/4" SHEET ELEVATOR
BRASS BRAKE CABLE TUBING
HATCH SUPPORT GLUED TO TOP OF FUSELAGE
FUEL TANK & BATTERY COMPARTMENT
STEERING ARM
RECEIVER COMPARTMENT
WASHER SOLDERED ON TUBING
1/8" DOWEL
1/4" DOWEL
5/16" DOWEL
BRASS TUBING SPLICE
1/16" PIANO WIRE
1/4" x 1/4"
1/4" SHEET FIN
CLEVIS PUSH ROD WIRE
NYLON RUDDER HORN
PLYWOOD INSERT
LENGTH REQUIRED FOR YOUR ENGINE AND MOUNT
SUGGESTED BRAKES
8/32 AXLE
8/32 LOCK NUT
8/32 NUT
1/4" SHEET RUDDER
3/32" x 1/4" PLYWOOD HATCH STOP
3/32" x 1/2" PLYWOOD HATCH SUPPORT
5/16" x 1" TRAILING EDGE STOCK
1/4" SHEET HATCH
AILERON PUSH ROD CUT OUT IN THE FUSELAGE SIDES
HARDWOOD INSERT
5/16" DOWEL
CG
NYLON TUBING
Kraft CUSTOM
RUDDER PUSH ROD
ELEVATOR PUSH ROD
1/4" SHEET FUSELAGE SIDES
1/8" SHEET TOP
NYLON ELEVATOR HORN
COLLAR
NYLON MOUNTING BEARINGS
3/32" PLYWOOD BOTTOM
3/8" x 1/2" HARDWOOD SERVO RAILS
PLYWOOD BOTTOM ENDS HERE
3/32" x 1/2" PLYWOOD LANDING GEAR STOP
3/32" SHEET BOTTOM
3/16" SHEET SUB-RUDDER
1/16" PIANO WIRE TAIL SKID
.090 2024 - T3 MAIN GEAR
HATCH STOP GLUED TO HATCH
P1 1/2" PLYWOOD
CUT OUT TRAILING EDGE STOCK FOR STEERING ARM CLEARANCE
4/40 BOLTS
2- 3/4" NOSE WHEEL
3" OR 3- 1/4" MAIN WHEELS
P1 1/2" PLYWOOD MOTOR MOUNT FIREWALL
F2 1/4" SHEET
F3 1/4" SHEET
F4 1/4" SHEET
F5 3/16" SHEET
F6 3/16" SHEET
PLAN 60176
$18
Wing Span 60"
Wing Area 720 sq.in.
Length 52"
Power .40 - .61
JENSEN
Das Ugly Stik


RIGHT WING PANEL
LEFT WING PANEL
END RIB LEFT WING
END RIB RIGHT WING
1/8" BALSA SHEAR WEBS ENDS HERE
1/8" BALSA LEADING EDGE
1/4" X 1/8" STRUT SPARS TOP & BOTTOM
1/8" BALSA SHEAR WEBS
1/8" BALSA LEADING EDGE SHEET TOP & BOTTOM
1/8" X 1/4" BALSA CAP SCREPS TOP & BOTTOM
1/8" BALSA SHEETING TOP & BOTTOM OF CENTER SECTION
ALL RIBS ARE 1/8" BALSA
DIHEDRAL GAUGE POSITIONS
6" FIBER GLASS CLOTH TAPE TOP AND BOTTOM
3/16" SQ. BASS SHIM
BUILDING BOARD
1/8" X 2" BALSA TOP TRAILING EDGE
1/8" X 2" TRAILING EDGE SHEET TOP & BOTTOM
6" TAPERED TRAILING EDGE
HINGE LOCATIONS
CUT AWAY AT BOTTOM TO CLEAR HORN MOVEMENT
AILERON CROSS SECTION
AILERON END LEFT WING
AILERON END RIGHT WING
STAB. OUTLINE
1/8" X 3/8" BALSA STAB TIPS PRE-CUT
3/16" X 1/8" BALSA STAB. RIBS
ELEVATOR BEVEL LINE (SIDE SIDE VIEW)
HINGE LOCATIONS
3/16" BALSA PRE-CUT STAB. CENTER SECTION
1/4" X 3/8" BALSA PRE-CUT STAB. TRAILING EDGE
3/16" X 3/8" BALSA PRE-CUT STAB. LEADING EDGE
1/4" BALSA PRE-CUT AILERONS
WALSH HINGE HORN
1/8" BALSA SHEAR WEBS HERE
CENTER RIB
CENTER
1/4" PLY. DIHEDRAL BRACE
3/8" PLY. RUDDER SUPPORT
3/8" X 1/4" BALSA
BASS SHIM MOUNTING
1/4" BALSA TRIANGLE STOCK
3/8" BALSA TRIANGLE TOP & BOTTOM
1/4" BALSA TRIANGLE TOP & BOTTOM ON PLAN (SEE SIDE VIEW)
8/16" MAHOGANY DOWEL WING HOLD DOWN
3/8" PLY. SIDE-CUT FUSELAGE
END
ELEVATOR
RUDDER
3/8" SQ. SERVO RAILS
TOP SHEETING NOT SHOWN FOR CLARITY.
1/4" PLY. DOWEL SUPPORTS
3/8" PLY. DOWEL SUPPORT
BLOCK LOCATION FOR TAIL DRAGGER VERSION
3/16" DIA. WIRE LANDING GEAR
1/4" PLY. 3/4" HIT
NOTE: TWO TYPES OF SERVO INSTALLATIONS SHOWN. OPTION #1 PREFERRED. ALSO SHOWN IN FUSELAGE SIDE VIEW WITH ALT. CONSTRUCTION SHOWN ON LEFT SIDE OF FUSELAGE SHOWING FOR CLARITY.
CROSS SECTION OF FIN & RUDDER
HINGE LOCATIONS
FIN (ONE RUDDER) BALSA 1/8"
RUDDER
1/4" BALSA TOP
TYPICAL WEBS AT CENTER SECTION
3/8" SP. & DOWN
1/8" BALSA TOP SHEET (CROSS GRAIN)
3/8" TRIANGLE STOCK
3/8" PLY. DOWEL SUPPORT
WOODEN FUSE ROD
1/4" BALSA PRE-CUT WING SADDLE
ELEVATOR PUSH ROD
FIN OUTLINE
3/8" PLY. FIN SUPPORT
RUDDER HINGE LOCATIONS
OPTIONAL TRIANGULAR FIN PERFORATION
1/16" DIA. WIRE (SEE PLAN VIEW)
3/8" SQ. TRIANGLE (FOR RUDDER)
MIDWEST ENGINE MOUNTS
6-32 BLIND NUT (THROUGH)
PLYWOOD BOTTOM
NOTE: SERVO INSTALLATION CAN BE MOUNTED AS SHOWN ON SIDE VIEW OR AS TOP VIEW. THIS DETAIL.
1/8" X 1/4" BALSA
1/4" BALSA PRE-CUT WING SADDLE
3/4" TRIANGLE
3/8" BALSA TRIANGLE STOCK
3/8" PLY. DOWEL SUPPORT
3/8" FIN SUPPORT
3/8" LANDING BLOCK
COLLAR
6-32 BLIND NUT (THROUGH)
6-32 DIA. WHEELS
Super Sweet Stik - .60
1/1/88
An Exciting Stik for Sport Flying
Wing Span: 60 in.
Wing Area: 780 sq. in.
Flying Weight: 6 lbs.
Radio Controls: 4 channels
Power: .45-.61 Engine
Designed by: Pete Flankenthal
Kit Production: Ed Rogers
Engineered by: Pete Flankenthal
Plans by: Vincent Micchia
Manufacturing: Sue Burney
Approved by: Frank Gincher
Midwest Products Co., Inc.
Midwest Products Co., Inc. ® 400 S. Indiana Street ® Hobart, IN 46342
PLAN 60577 $18
Kit No. 154