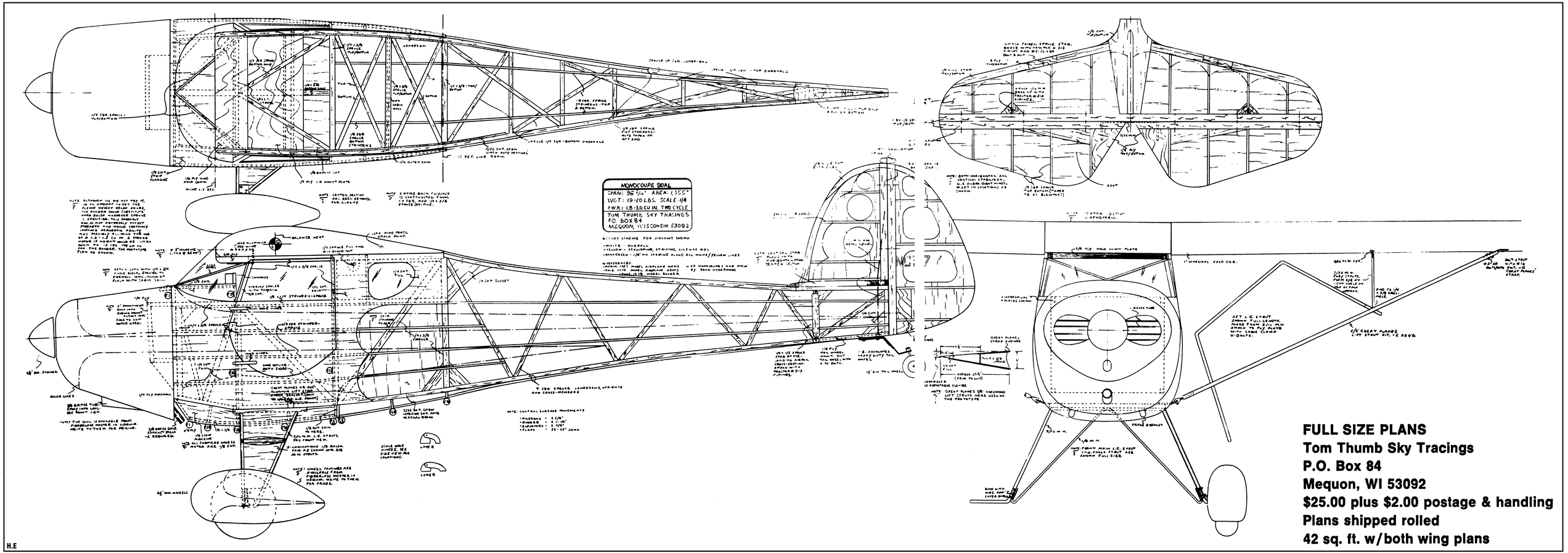
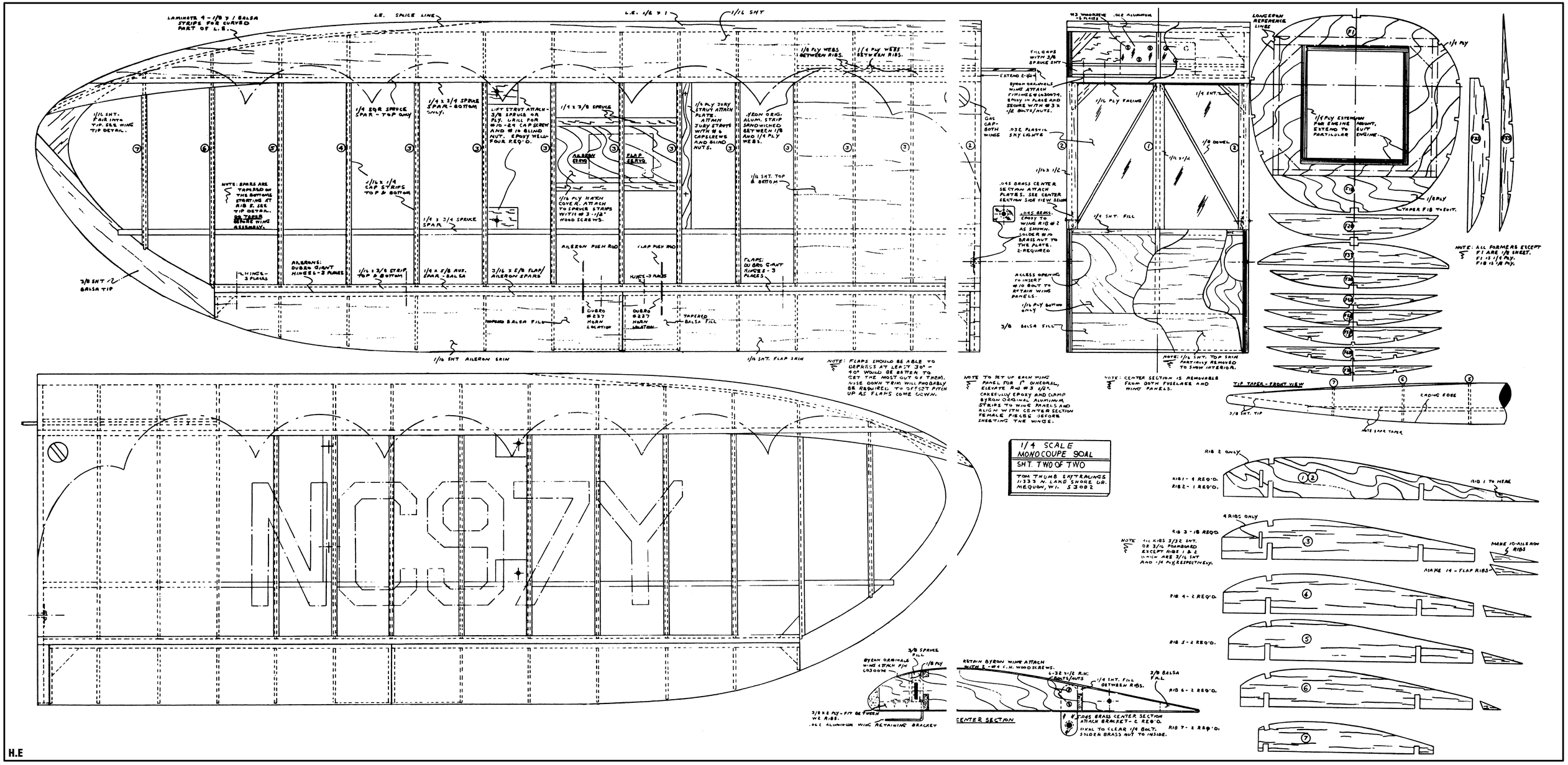


FULL SIZE PLANS
Tom Thumb Sky Tracings
P.O. Box 84
Mequon, WI 53092
$25.00 plus $2.00 postage & handling
Plans shipped rolled
42 sq. ft. w/both wing plans

H.E


LAMINATE 4 - 1/8 X 1 BALSA STRIPS FOR CURVED PART OF L.E.
L.E. SPLICE LINE
L.E. 1/8 X 1
1/16 SHT
1/16 SHT. FAIR INTO TIP. SEE WING TIP DETAIL.
1/4 SQR SPRUCE SPAR - TOP ONLY
1/4 X 3/4 SPRUCE SPAR - BOTTOM ONLY.
LIFT STRUT ATTACH - 3/8 SPRUCE OR PLY. DRILL FOR #10-24 CAP SCREW AND #10 BLIND NUT. EPOXY WELL. FOUR REQ'D.
1/4 X 3/8 SPRUCE
1/8 PLY JURY STRUT ATTACH PLATE. ATTACH JURY STRUTS WITH #6 CAPSCREWS AND BLIND NUTS.
1/8 PLY WEBS BETWEEN RIBS.
1/4 PLY WEBS BETWEEN RIBS.
.020 ORIG. ALUM. STRIP SANDWICHED BETWEEN 1/8 AND 1/4 PLY WEBS.
NOTE: SPARS ARE TAPERED ON THE BOTTOMS STARTING AT RIB 5. SEE TIP DETAIL. DO TAPER BEFORE WING ASSEMBLY.
1/16 X 1/4 CAP STRIPS TOP & BOTTOM
1/4 X 3/4 SPRUCE SPAR
AILERON SERVO
FLAP SERVO
1/16 PLY HATCH COVER. ATTACH TO SPRUCE STRIPS WITH #3 - 1/2" WOOD SCREWS.
1/4 SHT. TOP & BOTTOM
3/8 SHT TO BALSA TIP
HINGES - 3 PLACES
AILERONS: DUBRO GIANT HINGES - 3 PLACES
1/16 X 3/8 STRIP TOP & BOTTOM
1/4 X 5/8 AUX. SPAR - BALSA
3/16 X 5/8 FLAT AILERON SPARS
TAPERED BALSA FILL
AILERON PUSH ROD
DUBRO #237 HORN LOCATION
FLAP PUSH ROD
HINGES - 3 PLACES
DUBRO #237 HORN LOCATION
TAPERED BALSA FILL
FLAPS: DUBRO GIANT HINGES - 3 PLACES.
1/16 SHT AILERON SKIN
1/16 SHT. FLAP SKIN
NOTE: FLAPS SHOULD BE ABLE TO DEPRESS AT LEAST 30° - 40° WOULD BE BETTER TO GET THE MOST OUT OF THEM. NOSE DOWN TRIM WILL PROBABLY BE REQUIRED TO OFFSET PITCH UP AS FLAPS COME DOWN.
#3 WOODSCREW - 5 PLACES
.062 ALUMINUM
LONGERRON REFERENCE LINES
FILL CAPS WITH 3/8 SPRUCE SHT
EXTEND 2-56's
BYRON ORIGINALS WING ATTACH FITTINGS #L030074. EPOXY IN PLACE AND SECURE WITH #3 X 1/2 BOLTS/NUTS.
GAS CAP - BOTH WINGS
.032 PLASTIC SKY LIGHTS
1/16 PLY FACING
1/4 SHT.
1/4 DOWEL
1/16 X 1/2
1/16 X 1/4
.045 BRASS CENTER SECTION ATTACH PLATES. SEE CENTER SECTION SIDE VIEW SECTION
.045 BRASS. EPOXY TO WING RIB #2 AS SHOWN. SOLDER #10 BRASS NUT TO THE PLATE. 2-REQUIRED
1/4 SHT. FILL
ACCESS OPENING TO INSERT #10 BOLT TO RETAIN WING PANELS.
1/16 PLY BOTTOM ONLY
3/8 BALSA FILL
1/4 PLY
1/4 PLY EXTENSION FOR ENGINE MOUNT. EXTEND TO PARTICULAR ENGINE.
1/8 PLY
TAPER F18 TO EDIT.
NOTE: ALL FORMERS EXCEPT F1 ARE 1/8 SHEET. F1 IS 1/4 PLY. F18 IS 1/8 PLY.
NOTE: 1/16 SHT. TOP SKIN PARTIALLY REMOVED TO SHOW INTERIOR.
NOTE: CENTER SECTION IS REMOVABLE FROM BOTH FUSELAGE AND WING PANELS.
TIP TAPER - FRONT VIEW
3/8 SHT. TIP
LEADING EDGE
NOTE SPAR TAPER
NOTE TO SET UP EACH WING PANEL FOR 1° DIHEDRAL, ELEVATE RIB #3 1/4". CAREFULLY EPOXY AND CLAMP BYRON ORIGINAL ALUMINUM STRIPS TO WING PANELS AND ALIGN WITH CENTER SECTION FEMALE PIECES BEFORE SHEETING THE WINGS.
1/4 SCALE
MONOCOUPE 90AL
SHT. TWO OF TWO
TOM THUMB SKETCHINGS
11333 N. LAKE SHORE DR.
MEQUON, WI. 53092
RIB 2 ONLY
RIB 1 - 4 REQ'D.
RIB 2 - 1 REQ'D.
RIB 1 TO MAKE
4 RIBS ONLY
RIB 3 - 18 REQ'D.
NOTE ALL RIBS 3/32 SHT. OR 3/16 HARDWOOD EXCEPT RIBS 1 & 2 WHICH ARE 3/16 SHT AND 1/4 PLY RESPECTIVELY.
MAKE 10 - AILERON RIBS
MAKE 14 - FLAP RIBS
RIB 4 - 2 REQ'D.
RIB 5 - 2 REQ'D.
RIB 6 - 2 REQ'D.
RIB 7 - 2 REQ'D.
3/8 SPRUCE FILL
BYRON ORIGINALS WING ATTACH F/H L030074
1/8 PLY
3/8 X 3/8 PLY - FIT BETWEEN WL RIBS.
.062 ALUMINUM WING RETAINING BRACKET
RETAIN BYRON WING ATTACH WITH 2 - #4 F.H. WOODSCREWS.
6-32 X 1/2 R.H. BOLTS/NUTS
1/4 SHT. FILL BETWEEN RIBS.
3/8 BALSA FILL
CENTER SECTION
1/4 X .045 BRASS CENTER SECTION ATTACH BRACKET - 2 REQ'D.
FILAL TO CLEAR 1/4 BOLT. SOLDER BRASS NUT TO INSIDE.

H.E