Super Decathlon

CUT THIS PLAN ALONG THE DASHED LINE. ALIGN WITH THE OTHER SHEET AND TAPE TOGETHER.

ALIGN THE DASHED LINE WITH THE OTHER SHEET AND TAPE TOGETHER.

FUSELAGE TOP VIEW

TOP SHEETING REMOVED FOR CLARITY

DIE-CUT 1/8" PLY TANK FLOOR
1/8" X 3" X 6-5/32" PLYWOOD LANDING GEAR PLATE
DIE-CUT 1/8" PLY CABIN SIDE
DIE-CUT 1/8" PLY FUSELAGE BOTTOM
1/4" x 1/2" BALSA STICK
DIE-CUT 1/8" BALSA TOP LONGERON
FILL IN GAPS WITH LEFTOVER 3/8" X 1/2" STICKS
2° RIGHT
TF
DIE-CUT 1/8" PLY SUB FORMERS
4-40 HARDWARE RECOMMENDED
1
3A
4
5
6
7
DIE-CUT 1/8" PLY FRONT DECK PLATE
TYPICAL THROTTLE SERVO LOCATION
1" X 1-3/4" X 6" BALSA FILLER BLOCK
DIE-CUT 1/8" BALSA TOP LONGERON
DIE-CUT 1/8" BALSA TOP SPINES
DIE-CUT 1/8" PLY SERVO TRAY
3/8" X 15/16" BALSA
3/8" X 1/2" BALSA

FOR MOUNTING A O.S. 120, USE THE GREAT PLANES 60-120 ADJUSTABLE ENGINE MOUNT
DIE-CUT 1/8" PLY SPACERS
NO. 2 X 3/8" SHEET METAL SCREW
DIE-CUT 1/8" PLY WHEEL PANT SUPPORTS
3/16" X 2" BOLT ON AXLE
DIE-CUT 1/8" PLY WING SADDLE DOUBLER
1/4-20 NYLON BOLT
1" X 1-3/4" X 6" BALSA FILLER BLOCK
1/4" X 1-3/4" X 5-3/4" PLY WING BOLT PLATE
3B
3C
WING (-2° INCIDENCE)
DIE-CUT 1/8" BALSA TOP LONGERON
3/32" CROSS-GRAIN SHEETING
DIE-CUT 1/8" BALSA TOP SPINES
DIE-CUT 1/8" PLY STAB BASE
3/8" X 1/2" BALSA UPPER REAR SUPPORT
3/8" X 15/16" BALSA
5/16" DOWEL
1/8" X 3/8" BALSA FIN RIBS
DORSAL FIN
MADE FROM 3/8" X 3" X 24" BALSA SHEET
STAB (-3.5° INCIDENCE)
3/8" X 15/16" BALSA
3D
DIE-CUT 1/8" PLY BULKHEAD SUPPORT
BALANCE RANGE
DIE-CUT 1/8" PLY CABIN SIDE
DIE-CUT 1/8" PLY FRONT DECK PLATE
DIE-CUT 1/8" PLY SERVO TRAY
1/4" x 1/2" BALSA STICK
5° DOWN
2
1P
3A
1
24oz. Fuel Tank
PLASTIC THROTTLE PUSHROD
1/4" SIDE STRINGERS
FUTABA 1000mAh Battery
DIE-CUT 1/8" PLY REAR FUSE SIDE
DIE-CUT 1/8" PLY TAIL GEAR MOUNTS
NO. 4 X 1/2" SMS
DIE-CUT 1/8" PLY AFT FUSE BOTTOM
3/32" CROSS-GRAIN SHEETING
1-1/2" TAILWHEEL
DIE-CUT 1/8" PLY SERVO TRAY PARTS
8-32 BOLTS AND BLIND NUTS
STRUT END
1/4" x 1/2" BALSA STICK
NO. 2 X 3/8" FLAT HEAD SCREW
DIE-CUT 1/8" PLY RADIO HATCH
US ENGINES 25cc MOUNTED INVERTED
ROUND THE CORNERS FOR A BETTER COWL FIT
1/4" BALSA STRINGER
ALUMINUM LANDING GEAR
DIE-CUT 1/8" PLY SUB FORMER BRACES
DIE-CUT 1/8" PLY SUB FORMERS
1/4" BALSA STRINGER
DIE-CUT 1/8" PLY FUSELAGE SIDE
1/4" BALSA STRINGER
FUSELAGE BOTTOM
DIE-CUT 1/8" BALSA BOTTOM LONGERON

FUSELAGE SIDE VIEW

LEFT SIDE REMOVED FOR CLARITY

1/4" BALSA STRINGER
3/32" BALSA SHEETING
DIE-CUT 1/8" PLY SUB FORMER NO. 4
3/32" BALSA SHEETING
SUB FORMER NO. 4

DIE-CUT 1/8" PLY SERVO TRAY
TOP
COVERING
6
1/4" x 1/2" BALSA STICK

1/4" x 1/2" BALSA STICK
COVERING
DIE-CUT 1/8" PLY SERVO TRAY
TOP
5
FORMER CROSS-SECTIONS (VIEWED FROM THE FRONT)

NOTCH THE BALSA FOR THE WINDOWS
1/4" X 1/4" BALSA
TOP
4
3/32" CROSS GRAIN SHEETING

DORSAL FIN TEMPLATE
MADE FROM 3/8" X 3" X 24" BALSA SHEET

PLACE "T" PINS HERE
ELEVATOR RIB 3/8" X 1/2" BALSA
1/8" X 3/8" BALSA & LAMINATIONS
3/8" X 1/2" BALSA
3/8" X 15/16" BALSA
3/8" SQ. BASSWOOD STABILIZER SPAR
ELEVATOR LE 3/8" X 15/16" BALSA
1/8" X 3/8" BALSA
3/8" X 1/2" BALSA
LE JOINER CUT FROM 3/8" X 3" BALSA
STAB CENTER CUT FROM 3/8" X 3" BALSA
CUT FROM 3/8" X 3" BALSA
3/8" X 1/2" BALSA
5/16" DOWEL
3/8" X 15/16" BALSA
1/8" X 3/8" BALSA
ELEVATOR RIB 3/8" X 1/2" BALSA
1/8" X 3/8" BALSA
"T" PIN LOCATIONS
1/8" X 3/8" BALSA & LAMINATIONS
ELEVATOR RIB 3/8" X 1/2" BALSA

PLAN NO. DECGP01: FUSELAGE PLAN SHEET "A" (1 of 3)

PLAN NO. DECGP02: FUSELAGE PLAN SHEET "B" (2 of 3)

QUESTIONS??
e-mail us at productsupport@dynaflite.com
or call (217)398-8970
Visit our Web Site at www.dynaflite.com

Dynaflite
Super Decathlon

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SPAN:	89 in.	POWER:	120 to 180, 4 Stroke
AREA:	1037 sq. in.		25cc to 35cc, Gas
LENGTH:	69 in.		1.08 to 1.8 2-Stroke

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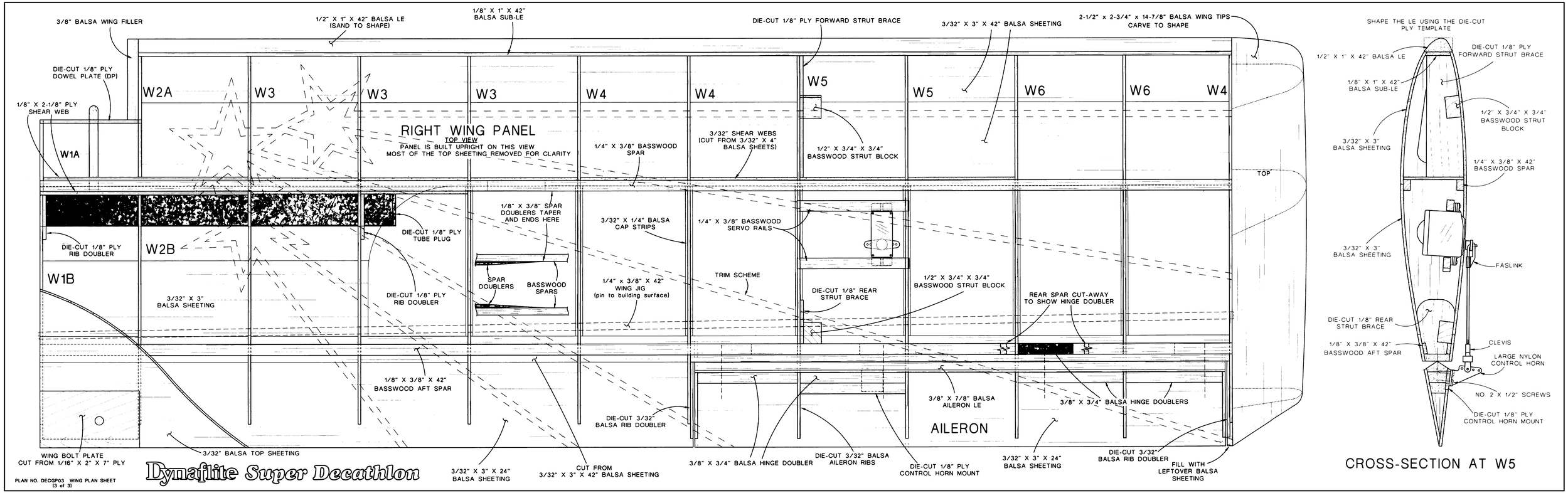
3/8" BALSA WING FILLER
1/2" X 1" X 42" BALSA LE (SAND TO SHAPE)
1/8" X 1" X 42" BALSA SUB-LE
DIE-CUT 1/8" PLY FORWARD STRUT BRACE
3/32" X 3" X 42" BALSA SHEETING
2-1/2" x 2-3/4" x 14-7/8" BALSA WING TIPS CARVE TO SHAPE
DIE-CUT 1/8" PLY DOWEL PLATE (DP)
1/8" X 2-1/8" PLY SHEAR WEB
W2A
W3
W3
W3
W4
W4
W5
W5
W6
W6
W4
W1A
RIGHT WING PANEL
TOP VIEW
PANEL IS BUILT UPRIGHT ON THIS VIEW
MOST OF THE TOP SHEETING REMOVED FOR CLARITY
1/4" X 3/8" BASSWOOD SPAR
3/32" SHEAR WEBS (CUT FROM 3/32" X 4" BALSA SHEETS)
1/2" X 3/4" X 3/4" BASSWOOD STRUT BLOCK
TOP
1/8" X 3/8" SPAR DOUBLERS TAPER AND ENDS HERE
3/32" X 1/4" BALSA CAP STRIPS
1/4" X 3/8" BASSWOOD SERVO RAILS
DIE-CUT 1/8" PLY TUBE PLUG
DIE-CUT 1/8" PLY RIB DOUBLER
W2B
W1B
SPAR DOUBLERS
BASSWOOD SPARS
1/4" x 3/8" X 42" WING JIG (pin to building surface)
TRIM SCHEME
1/2" X 3/4" X 3/4" BASSWOOD STRUT BLOCK
DIE-CUT 1/8" REAR STRUT BRACE
REAR SPAR CUT-AWAY TO SHOW HINGE DOUBLER
3/32" X 3" BALSA SHEETING
DIE-CUT 1/8" PLY RIB DOUBLER
1/8" X 3/8" X 42" BASSWOOD AFT SPAR
3/8" X 7/8" BALSA AILERON LE
3/8" X 3/4" BALSA HINGE DOUBLERS
DIE-CUT 3/32" BALSA RIB DOUBLER
AILERON
WING BOLT PLATE CUT FROM 1/16" X 2" X 7" PLY
3/32" BALSA TOP SHEETING
3/32" X 3" X 24" BALSA SHEETING
CUT FROM 3/32" X 3" X 42" BALSA SHEETING
3/8" X 3/4" BALSA HINGE DOUBLER
DIE-CUT 3/32" BALSA AILERON RIBS
DIE-CUT 1/8" PLY CONTROL HORN MOUNT
3/32" X 3" X 24" BALSA SHEETING
DIE-CUT 3/32" BALSA RIB DOUBLER
FILL WITH LEFTOVER BALSA SHEETING
Dynaflite Super Decathlon
PLAN NO. DECGP03 WING PLAN SHEET (3 of 3)
SHAPE THE LE USING THE DIE-CUT PLY TEMPLATE
1/2" X 1" X 42" BALSA LE
DIE-CUT 1/8" PLY FORWARD STRUT BRACE
1/8" X 1" X 42" BALSA SUB-LE
1/2" X 3/4" X 3/4" BASSWOOD STRUT BLOCK
3/32" X 3" BALSA SHEETING
1/4" X 3/8" X 42" BASSWOOD SPAR
3/32" X 3" BALSA SHEETING
FASLINK
DIE-CUT 1/8" REAR STRUT BRACE
1/8" X 3/8" X 42" BASSWOOD AFT SPAR
CLEVIS
LARGE NYLON CONTROL HORN
NO. 2 X 1/2" SCREWS
DIE-CUT 1/8" PLY CONTROL HORN MOUNT
CROSS-SECTION AT W5