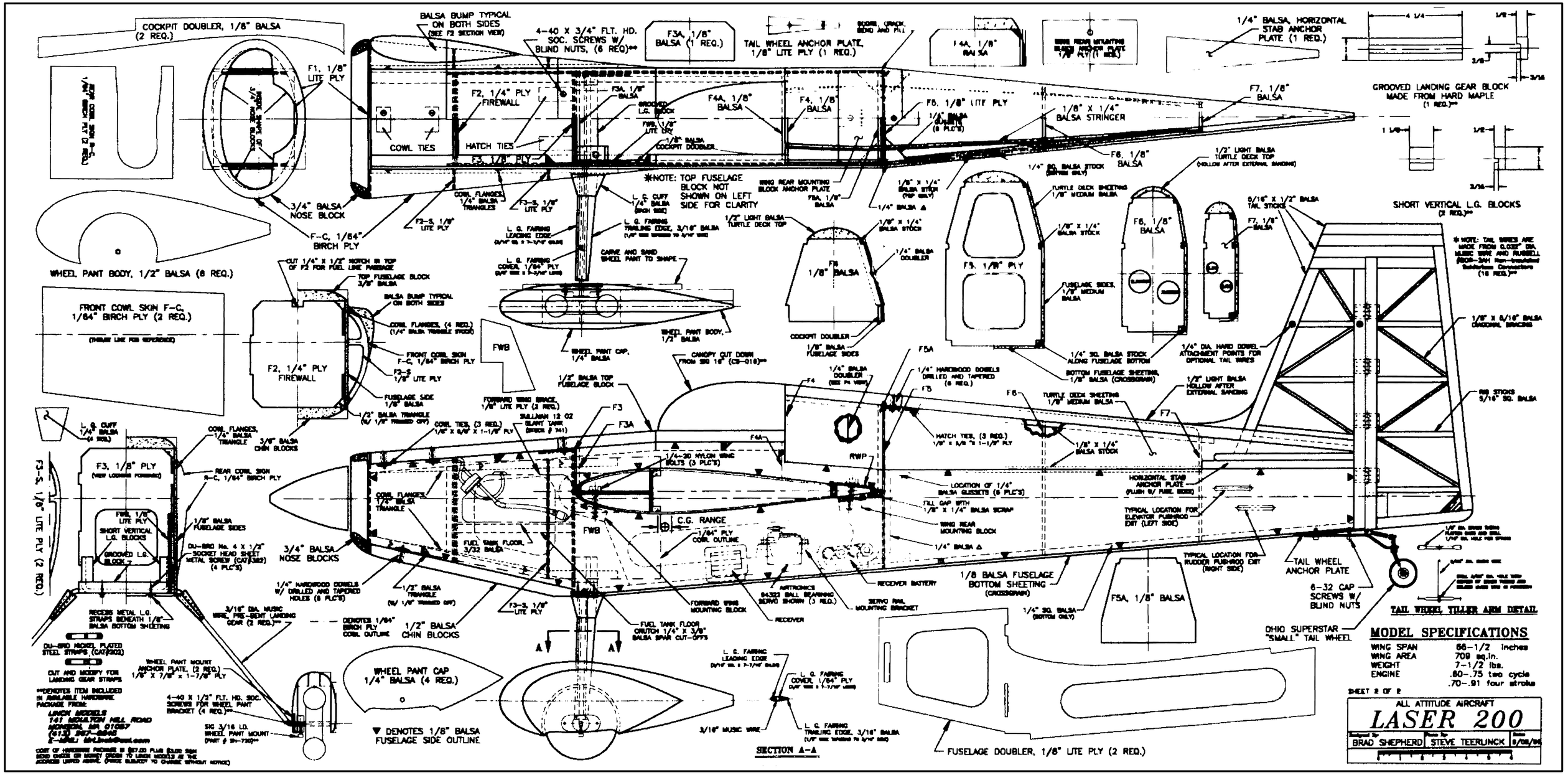
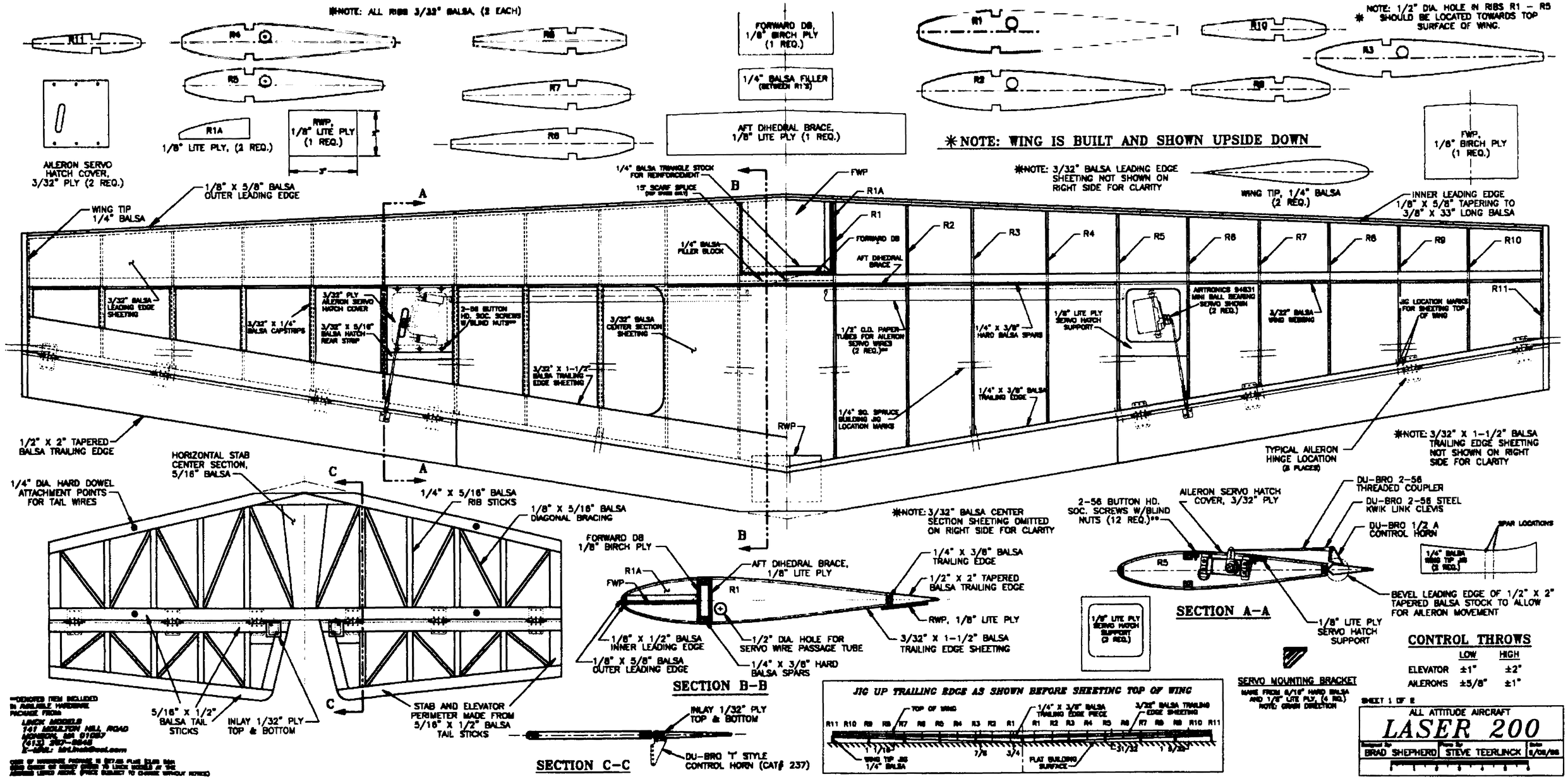

COCKPIT DOUBLER, 1/8" BALSA (2 REQ.)
BALSA BUMP TYPICAL ON BOTH SIDES (SEE F2 SECTION VIEW)
4-40 X 3/4" FLT. HD. SOC. SCREWS W/ BLIND NUTS, (6 REQ.)**
F3A, 1/8" BALSA (1 REQ.)
TAIL WHEEL ANCHOR PLATE, 1/8" LITE PLY (1 REQ.)
F4A, 1/8" BALSA
1/4" BALSA, HORIZONTAL STAB ANCHOR PLATE (1 REQ.)
GROOVED LANDING GEAR BLOCK MADE FROM HARD MAPLE (1 REQ.)**
F1, 1/8" LITE PLY
F2, 1/4" PLY FIREWALL
F3A, 1/8" BALSA
GROOVED L.G. BLOCK
F4A, 1/8" BALSA
F4, 1/8" BALSA
F5, 1/8" LITE PLY
1/8" X 1/4" BALSA STRINGER
F7, 1/8" BALSA
COWL TIES
HATCH TIES
F3, 1/8" PLY
1/8" BALSA COCKPIT DOUBLER
F6, 1/8" BALSA
1/4" SQ. BALSA STOCK (BOTTOM ONLY)
1/2" LIGHT BALSA TURTLE DECK TOP (HOLLOW AFTER EXTERNAL SANDING)
SHORT VERTICAL L.G. BLOCKS (2 REQ.)**
*NOTE: TOP FUSELAGE BLOCK NOT SHOWN ON LEFT SIDE FOR CLARITY
WING REAR MOUNTING BLOCK ANCHOR PLATE
F5A, 1/8" BALSA
1/8" X 1/4" BALSA STICK (TOP ONLY)
1/4" BALSA △
TURTLE DECK SHEETING 1/8" MEDIUM BALSA
1/8" X 1/4" BALSA STOCK
F6, 1/8" BALSA
F7, 1/8" BALSA
5/16" X 1/2" BALSA TAIL STICKS
* NOTE: TAIL WIRES ARE MADE FROM 0.032" DIA. MUSIC WIRE AND RUSSELL (ROR-341 Non-braided Backsplices Composites (16 REQ.)**
.3/4" BALSA NOSE BLOCK
F-C, 1/64" BIRCH PLY
F2-S, 1/8" LITE PLY
COWL FLANGES, 1/4" BALSA TRIANGLES
F3-S, 1/8" LITE PLY
L. G. CUFF 1/4" BALSA (BIRCH SIDE)
L. G. FAIRING LEADING EDGE
L. G. FAIRING TRAILING EDGE, 3/16" BALSA
L. G. FAIRING COVER, 1/64" PLY
1/2" LIGHT BALSA TURTLE DECK TOP
1/8" X 1/4" BALSA STOCK
1/4" BALSA DOUBLER
WHEEL PANT BODY, 1/2" BALSA (8 REQ.)
CARVE AND SAND WHEEL PANT TO SHAPE
F8 1/8" BALSA
F5, 1/8" PLY
FUSELAGE SIDES, 1/8" MEDIUM BALSA
1/8" X 8/16" BALSA DIAGONAL BRACING
CUT 1/4" X 1/2" NOTCH IN TOP OF F2 FOR FUEL LINE PASSAGE
TOP FUSELAGE BLOCK 3/8" BALSA
BALSA BUMP TYPICAL ON BOTH SIDES
FRONT COWL SKIN F-C, 1/64" BIRCH PLY (2 REQ.)
COWL FLANGES, (4 REQ.) (1/4" BALSA TRIANGLE STICK)
FRONT COWL SKIN F-C, 1/64" BIRCH PLY
F2-S 1/8" LITE PLY
F2, 1/4" PLY FIREWALL
FWB
WHEEL PANT CAP, 1/4" BALSA
WHEEL PANT BODY, 1/2" BALSA
COCKPIT DOUBLER
1/8" BALSA FUSELAGE SIDES
1/4" SQ. BALSA STOCK ALONG FUSELAGE BOTTOM
BOTTOM FUSELAGE SHEETING, 1/8" BALSA (CROSSGRAIN)
1/4" DIA. HARD DOWEL ATTACHMENT POINTS FOR OPTIONAL TAIL WIRES
1/2" LIGHT BALSA HOLLOW AFTER EXTERNAL SANDING
CANOPY CUT DOWN FROM SIG 16" (C3-010)**
1/2" BALSA TOP FUSELAGE BLOCK
1/4" BALSA DOUBLER
1/4" HARDWOOD DOWELS DRILLED AND TAPERED (6 REQ.)
F4
F5
F6
F7
FUSELAGE SIDE 1/8" BALSA
1/2" BALSA TRIANGLE (W/ 1/8" TRIMMED OFF)
FORWARD WING BRACE, 1/8" LITE PLY (3 REQ.)
SULLIVAN 12 OZ BLANK TANK (SPECIE # 741)
F3
F3A
F4A
F5A
COWL TIES, (3 REQ.) 1/8" X 5/8" X 1-1/8" PLY
HATCH TIES, (3 REQ.) 1/8" X 5/8" X 1-1/8" PLY
1/8" X 1/4" BALSA STOCK
RWP
L. G. CUFF 1/4" BALSA (4 REQ.)
COWL FLANGES, 1/4" BALSA TRIANGLE
3/8" BALSA CHIN BLOCKS
F3, 1/8" PLY (NOTE LOCATION FORWARD)
REAR COWL SKIN R-C, 1/64" BIRCH PLY
1/4-20 NYLON WING BOLTS (3 PLC'S)
LOCATION OF 1/4" BALSA GUSSETS (6 PLC'S)
FILL GAP WITH 1/8" X 1/4" BALSA SCRAP
WING REAR MOUNTING BLOCK
1/4" BALSA △
HORIZONTAL STAB ANCHOR PLATE (FLUSH W/ FUSE. BOTTOM)
TYPICAL LOCATION FOR ELEVATOR PUSHROD EXIT (LEFT SIDE)
F3-S, 1/8" LITE PLY (2 REQ.)
FWB, 1/8" LITE PLY
SHORT VERTICAL L.G. BLOCKS
1/8" BALSA FUSELAGE SIDES
GROOVED L.G. BLOCK
DU-BRO No. 4 X 1/2" SOCKET HEAD SHEET METAL SCREW (CAT#382) (4 PLC'S)
3/4" BALSA NOSE BLOCKS
COWL FLANGES, 1/4" BALSA TRIANGLE
FUEL TANK FLOOR 3/32 BALSA
C.G. RANGE
1/64" PLY COWL OUTLINE
FWB
1/4" HARDWOOD DOWELS W/ DRILLED AND TAPERED HOLES (6 PLC'S)
1/2" BALSA TRIANGLE (W/ 1/8" TRIMMED OFF)
F3-S, 1/8" LITE PLY
FORWARD WING MOUNTING BLOCK
ARTTRONICS 94323 BALL BEARING SERVO SHOWN (3 REQ.)
RECEIVER
RECEIVER BATTERY
SERVO RAIL MOUNTING BRACKET
1/8 BALSA FUSELAGE BOTTOM SHEETING (CROSSGRAIN)
1/4" SQ. BALSA (BOTTOM ONLY)
F5A, 1/8" BALSA
TYPICAL LOCATION FOR RUDDER PUSHROD EXIT (RIGHT SIDE)
TAIL WHEEL ANCHOR PLATE
6-32 CAP SCREWS W/ BLIND NUTS
OHIO SUPERSTAR "SMALL" TAIL WHEEL
TAIL WHEEL TILLER ARM DETAIL
RECESS METAL L.G. STRAPS BENEATH 1/8" BALSA BOTTOM SHEETING
3/16" DIA. MUSIC WIRE, PRE-BENT LANDING GEAR (2 REQ.)**
DENOTES 1/64" BIRCH PLY COWL OUTLINE
1/2" BALSA CHIN BLOCKS
FUEL TANK FLOOR CRUTCH 1/4" X 3/8" BALSA SPAR CUT-OFFS
DU-BRO NICKEL PLATED STEEL STRAPS (CAT#202)
CUT AND MODIFY FOR LANDING GEAR STRAPS
WHEEL PANT MOUNT ANCHOR PLATE, (2 REQ.) 1/8" X 7/8" X 1-7/8" PLY
**DENOTES ITEM INCLUDED IN AVAILABLE HARDWARE PACKAGE FROM:
LINCH MODELS
741 MOULTON HILL ROAD
MONSON, MA 01057
(413) 267-5645
E-MAIL: MrLinch@aol.com
COST OF HARDWARE PACKAGE IS $57.00 PLUS $5.00 S&H MAKE CHECK OR MONEY ORDER TO LINCH MODELS AT THE ADDRESS LISTED ABOVE. PRICE SUBJECT TO CHANGE WITHOUT NOTICE
4-40 X 1/2" FLT. HD. SOC. SCREWS FOR WHEEL PANT BRACKET (4 REQ.)**
SIG 3/16 LD. WHEEL PANT MOUNT (PART # SV-732)**
WHEEL PANT CAP 1/4" BALSA (4 REQ.)
▼ DENOTES 1/8" BALSA FUSELAGE SIDE OUTLINE
SECTION A-A
L. G. FAIRING LEADING EDGE
L. G. FAIRING COVER, 1/64" PLY
3/16" MUSIC WIRE
L. G. FAIRING TRAILING EDGE, 3/16" BALSA
FUSELAGE DOUBLER, 1/8" LITE PLY (2 REQ.)
MODEL SPECIFICATIONS
WING SPAN 66-1/2 inches
WING AREA 709 sq.in.
WEIGHT 7-1/2 lbs.
ENGINE .60-.75 two cycle
.70-.91 four stroke
SHEET 2 OF 2
ALL ATTITUDE AIRCRAFT
LASER 200
BRAD SHEPHERD
STEVE TEERLINCK
8/08/96


*NOTE: ALL RIBS 3/32" BALSA, (2 EACH)
R11
R4
R5
R6
R7
R8
R1
R2
R3
R9
R10
R1A
1/8" LITE PLY, (2 REQ.)
RWP, 1/8" LITE PLY (1 REQ.)
3"
FORWARD DB, 1/8" BIRCH PLY (1 REQ.)
1/4" BALSA FILLER (BETWEEN R1'S)
AFT DIHEDRAL BRACE, 1/8" LITE PLY (1 REQ.)
NOTE: 1/2" DIA. HOLE IN RIBS R1 - R5 * SHOULD BE LOCATED TOWARDS TOP SURFACE OF WING.
*NOTE: WING IS BUILT AND SHOWN UPSIDE DOWN
FWP, 1/8" BIRCH PLY (1 REQ.)
AILERON SERVO HATCH COVER, 3/32" PLY (2 REQ.)
1/8" X 5/8" BALSA OUTER LEADING EDGE
WING TIP 1/4" BALSA
1/4" BALSA TRIANGLE STOCK FOR REINFORCEMENT
15° SCARF SPRUCE
FWP
R1A
R1
FORWARD DB
AFT DIHEDRAL BRACE
1/4" BALSA FILLER BLOCK
*NOTE: 3/32" BALSA LEADING EDGE SHEETING NOT SHOWN ON RIGHT SIDE FOR CLARITY
WING TIP, 1/4" BALSA (2 REQ.)
INNER LEADING EDGE 1/8" X 5/8" TAPERING TO 3/8" X 33" LONG BALSA
A
B
3/32" BALSA LEADING EDGE SHEETING
3/32" X 1/4" BALSA CAPSTRIPS
3/32" PLY AILERON SERVO HATCH COVER
3/32" X 5/16" BALSA HATCH REAR STRIP
2-56 BUTTON HD. SOC. SCREWS W/BLIND NUTS**
3/32" BALSA CENTER SECTION SHEETING
3/32" X 1-1/2" BALSA TRAILING EDGE SHEETING
1/2" O.D. PAPER TUBES FOR AILERON SERVO WIRES (2 REQ.)**
1/4" SQ. SPRUCE BUILDING JIG LOCATION MARKS
1/4" X 3/8" HARD BALSA SPARS
1/4" X 3/8" BALSA TRAILING EDGE
1/8" LITE PLY SERVO HATCH SUPPORT
AIRTRONICS 94831 MINI BALL BEARING SERVO SHOWN (2 REQ.)
3/32" BALSA WING SHEETING
JIG LOCATION MARKS FOR SHEETING TOP OF WING
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
RWP
1/2" X 2" TAPERED BALSA TRAILING EDGE
TYPICAL AILERON HINGE LOCATION (2 PLACES)
*NOTE: 3/32" X 1-1/2" BALSA TRAILING EDGE SHEETING NOT SHOWN ON RIGHT SIDE FOR CLARITY
HORIZONTAL STAB CENTER SECTION, 5/16" BALSA
1/4" DIA. HARD DOWEL ATTACHMENT POINTS FOR TAIL WIRES
C
1/4" X 5/16" BALSA RIB STICKS
1/8" X 5/16" BALSA DIAGONAL BRACING
5/16" X 1/2" BALSA TAIL STICKS
INLAY 1/32" PLY TOP & BOTTOM
STAB AND ELEVATOR PERIMETER MADE FROM 5/16" X 1/2" BALSA TAIL STICKS
*NOTE: 3/32" BALSA CENTER SECTION SHEETING OMITTED ON RIGHT SIDE FOR CLARITY
FORWARD DB 1/8" BIRCH PLY
R1A
FWP
R1
AFT DIHEDRAL BRACE, 1/8" LITE PLY
1/4" X 3/8" BALSA TRAILING EDGE
1/2" X 2" TAPERED BALSA TRAILING EDGE
RWP, 1/8" LITE PLY
1/8" X 1/2" BALSA INNER LEADING EDGE
1/8" X 5/8" BALSA OUTER LEADING EDGE
1/2" DIA. HOLE FOR SERVO WIRE PASSAGE TUBE
1/4" X 3/8" HARD BALSA SPARS
3/32" X 1-1/2" BALSA TRAILING EDGE SHEETING
SECTION B-B
2-56 BUTTON HD. SOC. SCREWS W/BLIND NUTS (12 REQ.)**
AILERON SERVO HATCH COVER, 3/32" PLY
DU-BRO 2-56 THREADED COUPLER
DU-BRO 2-56 STEEL KWIK LINK CLEVIS
DU-BRO 1/2 A CONTROL HORN
SPAR LOCATIONS
1/4" BALSA WING TIP JIG (2 REQ.)
R5
R6
BEVEL LEADING EDGE OF 1/2" X 2" TAPERED BALSA STOCK TO ALLOW FOR AILERON MOVEMENT
1/8" LITE PLY SERVO HATCH SUPPORT (2 REQ.)
1/8" LITE PLY SERVO HATCH SUPPORT
SECTION A-A
SERVO MOUNTING BRACKET
MADE FROM 5/16" HARD BALSA AND 1/8" LITE PLY, (4 REQ.) NOTE: GRAIN DIRECTION
CONTROL THROWS
LOW HIGH
ELEVATOR ±1" ±2"
AILERONS ±5/8" ±1"
INLAY 1/32" PLY TOP & BOTTOM
DU-BRO "T" STYLE CONTROL HORN (CAT# 237)
SECTION C-C
JIG UP TRAILING EDGE AS SHOWN BEFORE SHEETING TOP OF WING
TOP OF WING
1/4" X 3/8" BALSA TRAILING EDGE PIECE
3/32" BALSA TRAILING EDGE SHEETING
R11 R10 R9 R8 R7 R6 R5 R4 R3 R2 R1 R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11
WING TIP JIG 1/4" BALSA
FLAT BUILDING SURFACE
**DENOTES ITEM INCLUDED IN AVAILABLE HARDWARE PACKAGE FROM
LINCK MODELS
141 MORLTON HILL ROAD
MONROE, NH 01057
(613) 382-0648
E-MAIL: bfLinck@aol.com
SHEET 1 OF 6
ALL ATTITUDE AIRCRAFT
LASER 200
Designed for BRAD SHEPHERD
Plans for STEVE TEERLINCK
Date 8/05/98