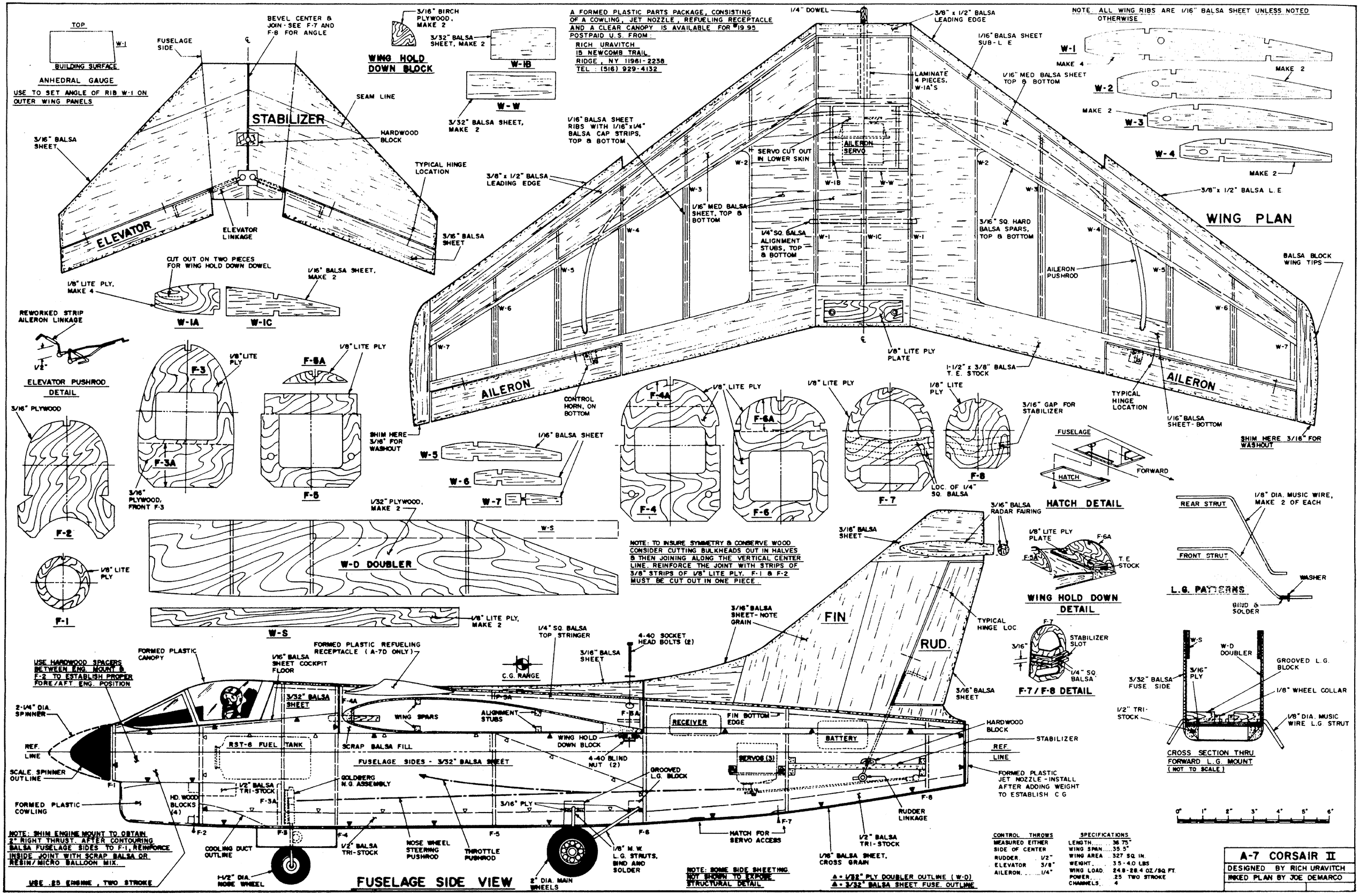
TOP
W-1
BUILDING SURFACE
ANHEDRAL GAUGE
USE TO SET ANGLE OF RIB W-1 ON OUTER WING PANELS
FUSELAGE SIDE
BEVEL CENTER & JOIN - SEE F-7 AND F-8 FOR ANGLE
STABILIZER
SEAM LINE
HARDWOOD BLOCK
TYPICAL HINGE LOCATION
3/16" BALSA SHEET
ELEVATOR
ELEVATOR LINKAGE
3/16" BALSA SHEET
3/16" BIRCH PLYWOOD, MAKE 2
3/32" BALSA SHEET, MAKE 2
WING HOLD DOWN BLOCK
W-1B
W-W
3/32" BALSA SHEET, MAKE 2
A FORMED PLASTIC PARTS PACKAGE, CONSISTING OF A COWLING, JET NOZZLE, REFUELING RECEPTACLE AND A CLEAR CANOPY IS AVAILABLE FOR $19.95 POSTPAID U.S. FROM:
RICH URAVITCH
15 NEWCOMB TRAIL
RIDGE, NY 11961-2238
TEL: (516) 929-4132
1/4" DOWEL
3/8" x 1/2" BALSA LEADING EDGE
NOTE: ALL WING RIBS ARE 1/16" BALSA SHEET UNLESS NOTED OTHERWISE
1/16" BALSA SHEET SUB-L.E.
W-1
MAKE 4
MAKE 2
W-2
1/16" MED BALSA SHEET TOP & BOTTOM
LAMINATE 4 PIECES, W-1A'S
MAKE 2
W-3
1/16" BALSA SHEET RIBS WITH 1/16" x 1/4" BALSA CAP STRIPS, TOP & BOTTOM
SERVO CUT OUT IN LOWER SKIN
AILERON SERVO
W-4
MAKE 2
3/8" x 1/2" BALSA LEADING EDGE
3/8" x 1/2" BALSA L.E.
1/16" MED BALSA SHEET, TOP & BOTTOM
1/4" SQ. BALSA ALIGNMENT STUBS, TOP & BOTTOM
3/16" SQ. HARD BALSA SPARS, TOP & BOTTOM
WING PLAN
BALSA BLOCK WING TIPS
AILERON PUSHROD
W-5
W-6
W-7
1/8" LITE PLY PLATE
1-1/2" x 3/8" BALSA T.E. STOCK
AILERON
AILERON
CONTROL HORN, ON BOTTOM
TYPICAL HINGE LOCATION
1/16" BALSA SHEET - BOTTOM
SHIM HERE 3/16" FOR WASHOUT
CUT OUT ON TWO PIECES FOR WING HOLD DOWN DOWEL
1/8" LITE PLY, MAKE 4
1/16" BALSA SHEET, MAKE 2
W-1A
W-1C
REWORKED STRIP AILERON LINKAGE
1/2"
ELEVATOR PUSHROD DETAIL
3/16" PLYWOOD
F-2
F-3
1/8" LITE PLY
F-3A
3/16" PLYWOOD, FRONT F-3
F-5A
1/8" LITE PLY
F-5
SHIM HERE 3/16" FOR WASHOUT
W-5
1/16" BALSA SHEET
W-6
W-7
1/32" PLYWOOD, MAKE 2
W-D DOUBLER
W-S
1/8" LITE PLY
F-1
1/8" LITE PLY, MAKE 2
W-S
F-4A
1/8" LITE PLY
F-6A
F-4
F-6
1/8" LITE PLY
1/8" LITE PLY
F-7
LOC. OF 1/4" SQ. BALSA
3/16" GAP FOR STABILIZER
F-8
FUSELAGE
HATCH
FORWARD
HATCH DETAIL
NOTE: TO INSURE SYMMETRY & CONSERVE WOOD CONSIDER CUTTING BULKHEADS OUT IN HALVES & THEN JOINING ALONG THE VERTICAL CENTER LINE. REINFORCE THE JOINT WITH STRIPS OF 3/8" STRIPS OF 1/8" LITE PLY. F-1 & F-2 MUST BE CUT OUT IN ONE PIECE.
3/16" BALSA RADAR FAIRING
3/16" BALSA SHEET
1/8" LITE PLY PLATE
F-6A
F-5A
T.E. STOCK
WING HOLD DOWN DETAIL
REAR STRUT
1/8" DIA. MUSIC WIRE, MAKE 2 OF EACH
FRONT STRUT
WASHER
BIND & SOLDER
L.G. PATTERNS
3/16" BALSA SHEET - NOTE GRAIN
FIN
RUD.
TYPICAL HINGE LOC.
F-7
STABILIZER SLOT
3/16"
1/4" SQ. BALSA
F-7 / F-8 DETAIL
3/16" BALSA SHEET
W-S
W-D DOUBLER
GROOVED L.G. BLOCK
3/32" BALSA FUSE. SIDE
3/16" PLY
1/8" WHEEL COLLAR
1/2" TRI-STOCK
1/8" DIA. MUSIC WIRE L.G. STRUT
CROSS SECTION THRU FORWARD L.G. MOUNT (NOT TO SCALE)
0" 1" 2" 3" 4" 5" 6"
USE HARDWOOD SPACERS BETWEEN ENG. MOUNT & F-2 TO ESTABLISH PROPER FORE/AFT ENG. POSITION
FORMED PLASTIC CANOPY
1/16" BALSA SHEET COCKPIT FLOOR
FORMED PLASTIC REFUELING RECEPTACLE (A-7D ONLY)
C.G. RANGE
1/4" SQ. BALSA TOP STRINGER
3/16" BALSA SHEET
4-40 SOCKET HEAD BOLTS (2)
2-1/4" DIA. SPINNER
3/32" BALSA SHEET
F-4A
F-5A
WING SPARS
ALIGNMENT STUBS
RECEIVER
FIN BOTTOM EDGE
REF. LINE
RST-6 FUEL TANK
SCRAP BALSA FILL
WING HOLD DOWN BLOCK
BATTERY
HARDWOOD BLOCK
STABILIZER
REF. LINE
FUSELAGE SIDES - 3/32" BALSA SHEET
4-40 BLIND NUT (2)
SERVOS (3)
GROOVED L.G. BLOCK
SCALE SPINNER OUTLINE
F-1
GOLDBERG N.G. ASSEMBLY
1/2" BALSA TRI-STOCK
FORMED PLASTIC JET NOZZLE - INSTALL AFTER ADDING WEIGHT TO ESTABLISH C.G.
FORMED PLASTIC COWLING
HD. WOOD BLOCKS (4)
F-3A
3/16" PLY
F-8
RUDDER LINKAGE
F-2
F-3
F-4
F-5
F-6
F-7
HATCH FOR SERVO ACCESS
1/2" BALSA TRI-STOCK
NOTE: SHIM ENGINE MOUNT TO OBTAIN 2° RIGHT THRUST. AFTER CONTOURING BALSA FUSELAGE SIDES TO F-1, REINFORCE INSIDE JOINT WITH SCRAP BALSA OR RESIN/MICRO BALLOON MIX.
COOLING DUCT OUTLINE
1/2" BALSA TRI-STOCK
NOSE WHEEL STEERING PUSHROD
THROTTLE PUSHROD
1/8" M.W. L.G. STRUTS, BIND AND SOLDER
1/16" BALSA SHEET, CROSS GRAIN
USE .25 ENGINE, TWO STROKE
1-1/2" DIA. NOSE WHEEL
FUSELAGE SIDE VIEW
2" DIA. MAIN WHEELS
NOTE: SOME SIDE SHEETING NOT SHOWN TO EXPOSE STRUCTURAL DETAIL.
▲ = 1/32" PLY DOUBLER OUTLINE (W-D)
▲ = 3/32" BALSA SHEET FUSE. OUTLINE
CONTROL THROWS
MEASURED EITHER SIDE OF CENTER
RUDDER ..... 1/2"
ELEVATOR ..... 3/8"
AILERON ..... 1/4"
SPECIFICATIONS
LENGTH ..... 36.75"
WING SPAN ..... 35.5"
WING AREA ..... 327 SQ. IN.
WEIGHT ..... 3.5-4.0 LBS
WING LOAD ..... 24.8-28.4 OZ/SQ. FT.
POWER ..... .25 TWO STROKE
CHANNELS 4
A-7 CORSAIR II
DESIGNED BY RICH URAVITCH
INKED PLAN BY JOE DEMARCO