UF = UPPER FUSELAGE CROSS SECTIONS
UF-1
UF-2
UF-3
UF-4
UF-5
UF-6
FRONT
REAR
18-3/4"
CENTER SECTION FILLET
3/16" BALSA SHEET-MAKE 2
4" SQ. BALSA BLOCK NOSE
F-1
3/8"x 1/4" BALSA SERVO RAIL SUPPORT
FRONT EDGE OF UF
BATTERY & RECEIVER AREA
SERVO RAILS
L.G. RETRACT
THROT.
ELEV.
AIL.
NOSE WHEEL STEERING
RETRACT VALVE MOUNT UNDER PLATE
THROTTLE
ELEVATOR
AILERON
CANOPY OUTLINE
FUSELAGE SPLICE (ADD 5" OF 3/16" BALSA SHEET TO MAKE CENTER SECTION 53" LONG)
NYROD BRACE
1/2" SQ. MAPLE RAIL
LEX-1
3/16" PLY RETRACT MOUNTING PLATE
FUSELAGE TOP VIEW
3/16" BALSA SHEET
1/4" BALSA ADDED TO UNDERSIDE OF LEADING EDGE EXTENSION
CONTOUR THIS SECTION INTO THE WING/FUSELAGE JOINT FOR SCALE LOOK
TOP 3/16" BALSA SHEETING EXTENDS TO L.E. EXTENSION
3/16" BOTTOM SHEET TO HERE
CENTER SECTION SIDE
F-2
THROT., ELEV & AILERON NYRODS
1/2" SQ. BALSA L.E.
3/8"x 1/4" SPRUCE SPAR
OUTER SECTION SIDE
L. G. MOUNT
FUEL TANK LOCATION
C. G.
3/16" BALSA SHEET FUEL TANK BRACES
1/2"x 3/8" MAPLE RAIL
3/16" PLY MOUNT PLATE
3" x 3/16" PLY FOR OPTIONAL FIXED L.G. ATTACH WITH BLIND NUTS
1/2" x 3/8" BALSA TRAILING EDGE
1" x 1/2" BALSA MAIN SPAR
W-1 1/8" BALSA SHEET RIB
FRONT EDGE OF VERT. FIN
ELEV.
THROT. & AILERON
FOAM UPPER FUSE. OUTLINE
1/2" x 3/8" MAPLE RAIL
W-1 1/8" BALSA SHEET RIB
2" x 3/8" BALSA AILERON STOCK
AILERON TORQUE ROD
THROTTLE
AILERON
ELEVATOR
STABILIZER LEADING EDGE
TOP & BOTTOM 3/16" SHEETING TO HERE
1/4" HARDWOOD STABILIZER BRACE
HINGE LOCATION
ELEV. TORQUE ROD
1/4" SQ. BALSA
F3
3/16" PLYWOOD FIREWALL
NO SIDE THRUST
OUTLINE OF BALSA TAILCONE
.60 SIZE ENGINE MOUNT
ELEVATOR TORQUE ROD
3/16" BALSA SHEET MAKE 2
FRONT
REAR
17-9/16"
OUTER SECTION FILLET
2-7/8"
3-1/8"
F-1
3/16" BALSA SHEET
3-5/8"
ELEV.
AILERON
THROT.
1/4" SQ. BALSA
F-2
4"
3/16" BALSA SHEET
MATCH NYRODS IN F2 AND BRACE
F-3
4-3/16"
3/16" PLY
1/4" SQ. BALSA
THROTTLE NYROD
5/8"
2-7/16"
ELEV. NYRODS
AILERON NYRODS
NYROD BRACE
3/16" PLY
INSTALL ENGINE MOUNT AS HIGH AS POSSIBLE FOR MAXIMUM GROUND CLEARANCE
LEX-1
LEX-2
OPTIONAL CONTOUR
OPTIONAL
SLIT WITH RAZOR
LEX-2
ADD 1/4" SQ. BALSA, ALL MOUNT HARDWARE & DRILL ALL HOLE PRIOR TO GLUING IN PLACE
17-5/8"
10-3/8"
3/16" BALSA SHEET (STRAIGHT PIECE) MAKE 2
1-7/16"
6-9/16"
2-9/16"
1/4"
1-13/16"
STABILIZER CUT OUT
1-7/8"
OUTER SECTION SIDE TEMPLATE
28"
SEAM
3/16" BALSA SHEET
FIN
CROSS SECTION
3/16" BALSA SHEET
VERTICAL FIN AND RUDDER
111°
FIBERGLASS CLOTH AND EPOXY
3/16" BALSA TOP SHEETING
3/16" BALSA SHEET SIDE
1/4" SQ. BALSA
FIN DETAIL
BOB HOLMAN F-18 CANOPY (TRIM TO FIT)
COVER (UF) WITH .6 OZ. FIBERGLASS & EPOXY
SEAM THE CONTOURED WING TOP SHEETING AND FUSELAGE TOP SHEETING WITH FIBERGLASS CLOTH & EPOXY FOR STRONGER JOINT
UF-3
UF-4
UF-5
UF-1
UF-2
UF-6
3/4" BALSA TRI-STOCK
BALSA SERVO RAIL SUPPORTS
3/16" BALSA SHEET
SERVO RAILS
4" SQ. BALSA NOSE
3/16" BALSA SHEETING (LENGTHWISE)
UPPER FUSELAGE IS CARVED FROM FOAM OR OPTIONAL, SOFT BALSA BLOCK - HOLLOWED
RETRACT AIR TANK
BATTERY & RECEIVER AREA
FUSELAGE SPLICE
EPOXY IN 1/2" SQ MAPLE RAILS
NYROD BRACE
L.E. EXTENSION OUTLINE ADD 1/4" BALSA UNDERSIDE TO ACHIEVE THIS SHAPE
PLY HATCH ANCHOR
1/2" BALSA TRI-STOCK
NOSE WHEEL RETRACT UNIT
3/16" PLY RETRACT MOUNTING PLATE
RETRACT VALVE
F-1
PLY HATCH ANCHOR
3/16" BALSA SHEET HATCH
1/2" BALSA TRI-STOCK
3/16" BALSA BULKHEAD
1/2" BALSA TRI-STOCK
1/4" BALSA FILL
F-2
1/4" SQ. BALSA
WING IS SET AT 0° INCID.
SPARS
W-1 WING RIB OUTLINE
FILLET
MAIN SPAR
FILLET
2-9/16"
10-12 OZ. FUEL TANK
TANK BRACE
ELEV. NYROD EXIT
SPRING-AIR OR RHOM-AIR UNIT
2-9/16"
AIL. TORQUE ROD
1/4" SQ. BALSA
STAB SET AT - 1/2° INCIDENCE
6-9/16"
1-13/16"
1/4 SQ. BALSA STAB. SUPPORT
1-7/8"
CROSS GRAIN 3" SHEET OF 3/16" BALSA
1/2" BALSA TRI-STOCK
DRILL 1/8" HOLE THRU MOTOR MOUNT FOR TAILSKID - ATTACH SKID TO TOP OF FIREWALL WITH L.G. STRAP
3/16" BALSA SHEET (BUILT UP) TAILCONE
3/4" BALSA TRI-STOCK TO PERMIT ROUND SHAPE
ENGINE IS SIDE MOUNTED WITH NO DOWN THRUST
WHEEL COLLAR
DRILL HOLES AS NEEDED FOR ENGINE ACCESS
1/2" BALSA TRI-STOCK
F3
COVER THE FIRST 14" OF FUSELAGE WITH FIBERGLASS CLOTH AND EPOXY
RAISE RETRACT MOUNT TO SUIT TO GET NOSE WHEEL UP AND COMPLETELY INTO FUSELAGE.
ROUND CENTER SECT. BOTTOM FROM NOSE TO VENT TUBE AREA.
VENT/OVERFLOW TUBE
C. G.
SEE TOP VIEW FOR RETRACT UNIT MOUNT
NOTE: BOTTOM FUSELAGE HATCH IS REQUIRED FOR ACCESS TO FUEL TANK, RETRACTS AND NYRODS - LOCATE TO SUIT
1/8" DIA. MUSIC WIRE TAILSKID - TO PROTECT PROP
△ = 3/16" BALSA SHEET - OUTER SECTION SIDE
▲ = 3/16" BALSA SHEET - CENTER SECTION SIDE
NOSE GEAR RETRACTS FORWARD
CUT L.G. STRUT SO THAT NOSE WHEEL BOTTOM TO FUSE IS 3/4" LONGER THAN MAIN LANDING GEAR
2-1/4" DIA. WHEEL
NOTE: PLACE TANK AT C.G. IF USING FUEL PUMP - IF NOT PLACE IT AS FAR REARWARD AS POSSIBLE. BALANCE WITH TANK FULL.
NOTE: EPOXY RETRACT MOUNT RAILS TO CENTER & OUTER SECT. SIDES - THE OUTER SIDE IS 1/4" HIGHER SO THAT L.G. ANGLES OUTWARD.
IF STRAIGHT L.G. IS USED PLACE RAILS HIGHER INTO FUSELAGE SO THAT WHEELS RETRACT COMPLETELY INTO FUSELAGE.
L.G. RETRACT REARWARD
2-3/4" DIA MAIN WHEELS
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F/A-18 HORNET
.60 PUSHER R/C
DESIGNED & DRAWN BY MICHAEL PASTRO
INKED BY JOE DEMARCO
SHEET 1 OF 2
0" 1" 2" 3" 4" 5" 6"
PLAN NO. 1089 (2)

SPECIFICATIONS

WING SPAN	54"
LENGTH	67-1/2"
WING AREA	900 SQ. IN.
WING LOADING	22 - 24 OZ./SQ. FT.
WEIGHT	8.5 - 9 LBS.
CHANNELS	4 (5 WITH RETR.)
ENGINE	.60

F/A-18 HORNET
.60 PUSHER R/C

DESIGNED & DRAWN BY MICHAEL PASTRO | INKED BY JOE DEMARCO

0" 1" 2" 3" 4" 5" 6"

PLAN NO. 1089 (2)