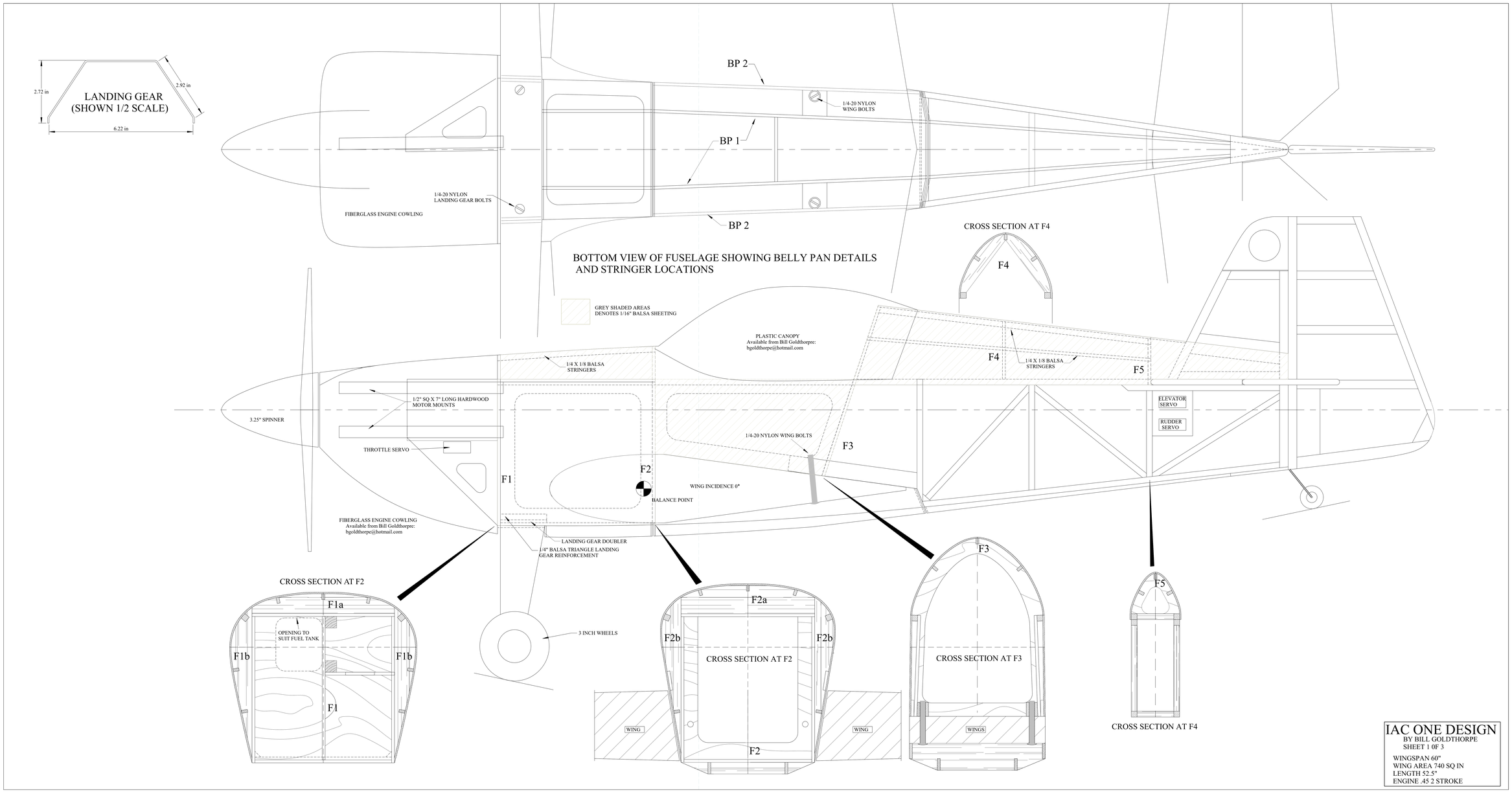
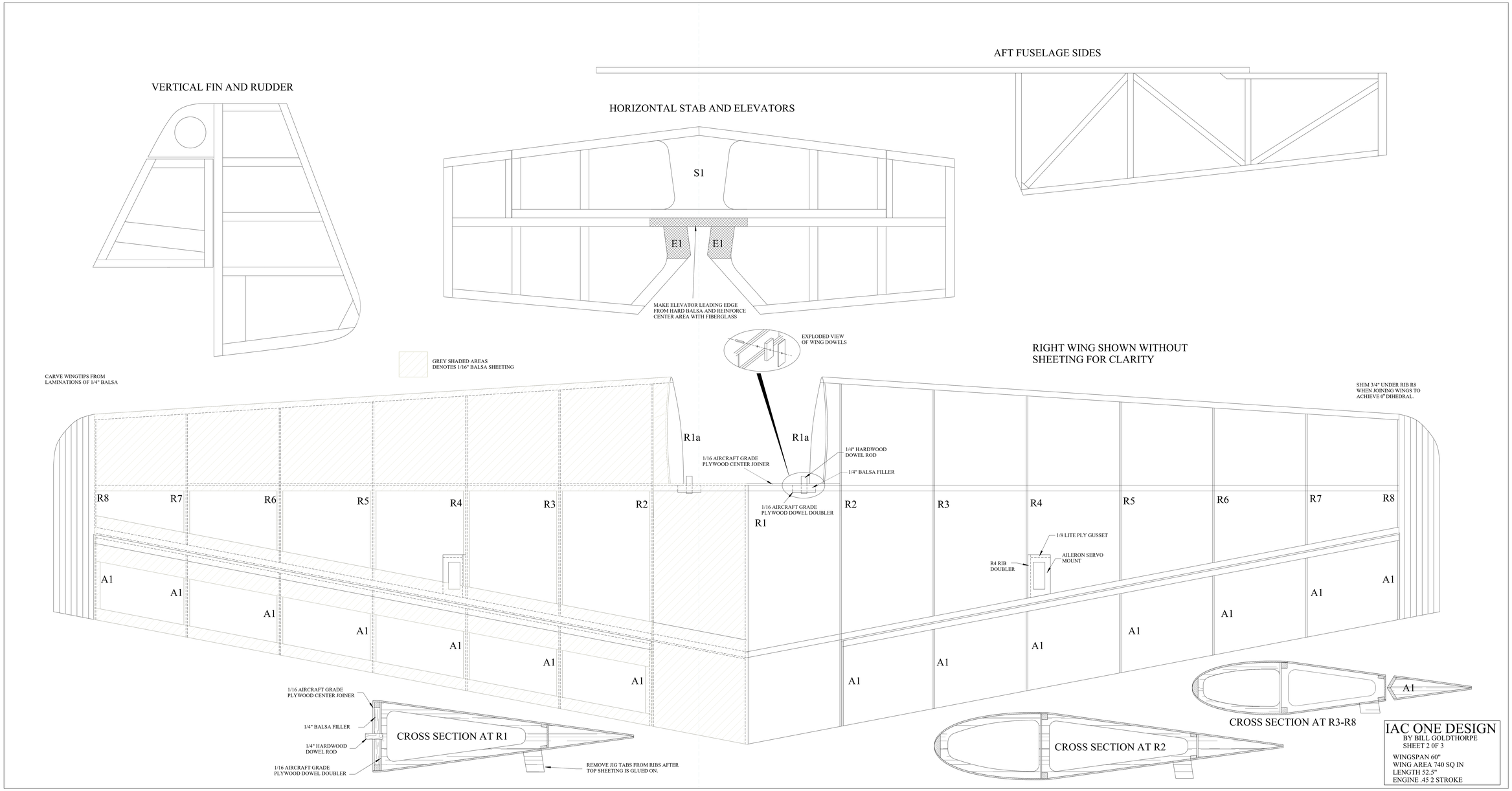
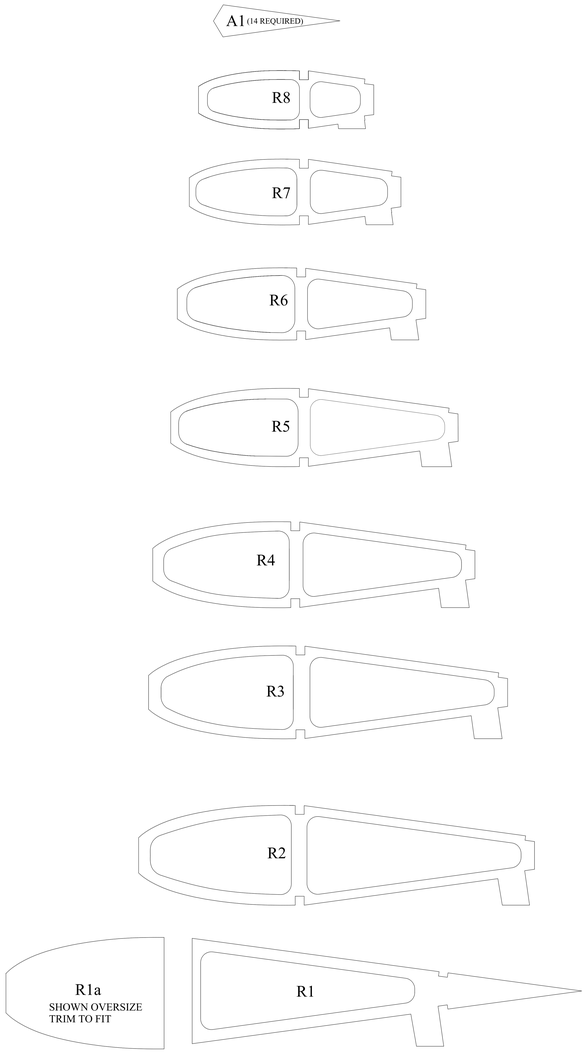
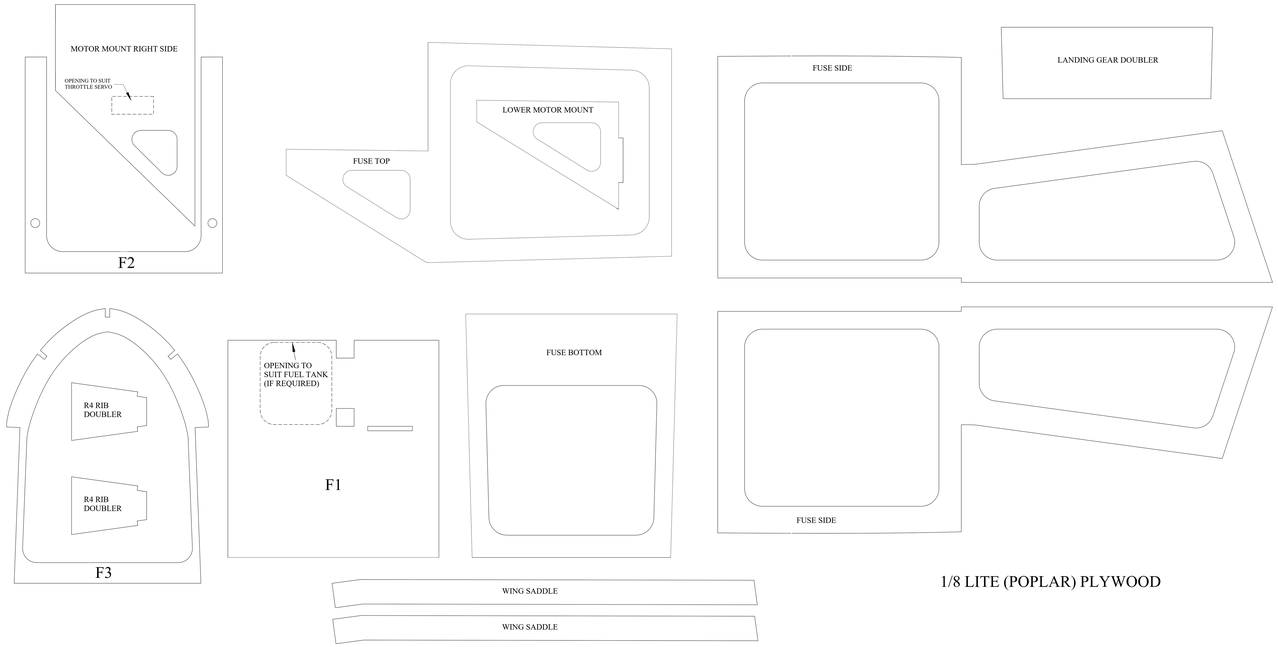

LANDING GEAR
(SHOWN 1/2 SCALE)
2.72 in
2.92 in
6.22 in
BP 2
1/4-20 NYLON
WING BOLTS
BP 1
1/4-20 NYLON
LANDING GEAR BOLTS
FIBERGLASS ENGINE COWLING
BP 2
BOTTOM VIEW OF FUSELAGE SHOWING BELLY PAN DETAILS
AND STRINGER LOCATIONS
CROSS SECTION AT F4
F4
GREY SHADED AREAS
DENOTES 1/16" BALSA SHEETING
PLASTIC CANOPY
Available from Bill Goldthorpe:
bgoldthorpe@hotmail.com
1/4 X 1/8 BALSA
STRINGERS
F4
1/4 X 1/8 BALSA
STRINGERS
F5
1/2" SQ X 7" LONG HARDWOOD
MOTOR MOUNTS
3.25" SPINNER
ELEVATOR
SERVO
RUDDER
SERVO
1/4-20 NYLON WING BOLTS
F3
THROTTLE SERVO
F2
F1
WING INCIDENCE 0°
BALANCE POINT
FIBERGLASS ENGINE COWLING
Available from Bill Goldthorpe:
bgoldthorpe@hotmail.com
LANDING GEAR DOUBLER
1/4" BALSA TRIANGLE LANDING
GEAR REINFORCEMENT
CROSS SECTION AT F2
F1a
OPENING TO
SUIT FUEL TANK
F1b
F1b
F1
3 INCH WHEELS
F2a
F2b
F2b
CROSS SECTION AT F2
WING
WING
F2
F3
CROSS SECTION AT F3
WINGS
F5
CROSS SECTION AT F4
IAC ONE DESIGN
BY BILL GOLDTHORPE
SHEET 1 0F 3
WINGSPAN 60"
WING AREA 740 SQ IN
LENGTH 52.5"
ENGINE .45 2 STROKE

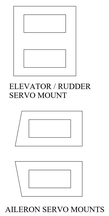

VERTICAL FIN AND RUDDER
HORIZONTAL STAB AND ELEVATORS
S1
E1
E1
MAKE ELEVATOR LEADING EDGE
FROM HARD BALSA AND REINFORCE
CENTER AREA WITH FIBERGLASS
AFT FUSELAGE SIDES
EXPLODED VIEW
OF WING DOWELS
RIGHT WING SHOWN WITHOUT
SHEETING FOR CLARITY
GREY SHADED AREAS
DENOTES 1/16" BALSA SHEETING
CARVE WINGTIPS FROM
LAMINATIONS OF 1/4" BALSA
SHIM 3/4" UNDER RIB R8
WHEN JOINING WINGS TO
ACHIEVE 0" DIHEDRAL.
R1a
R1a
1/16 AIRCRAFT GRADE
PLYWOOD CENTER JOINER
1/4" HARDWOOD
DOWEL ROD
1/4" BALSA FILLER
1/16 AIRCRAFT GRADE
PLYWOOD DOWEL DOUBLER
R1
R8
R7
R6
R5
R4
R3
R2
R2
R3
R4
R5
R6
R7
R8
1/8 LITE PLY GUSSET
AILERON SERVO
MOUNT
R4 RIB
DOUBLER
A1
A1
A1
A1
A1
A1
A1
A1
A1
A1
A1
A1
A1
A1
A1
1/16 AIRCRAFT GRADE
PLYWOOD CENTER JOINER
1/4" BALSA FILLER
1/4" HARDWOOD
DOWEL ROD
1/16 AIRCRAFT GRADE
PLYWOOD DOWEL DOUBLER
CROSS SECTION AT R1
REMOVE JIG TABS FROM RIBS AFTER
TOP SHEETING IS GLUED ON.
CROSS SECTION AT R2
CROSS SECTION AT R3-R8
IAC ONE DESIGN
BY BILL GOLDTHORPE
SHEET 2 0F 3
WINGSPAN 60"
WING AREA 740 SQ IN
LENGTH 52.5"
ENGINE .45 2 STROKE



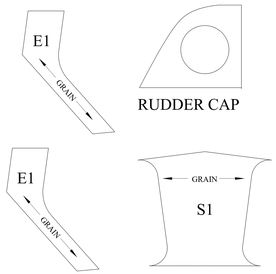
1/16" BALSA
MAKE 2 OF EVERYTHING EXCEPT A1



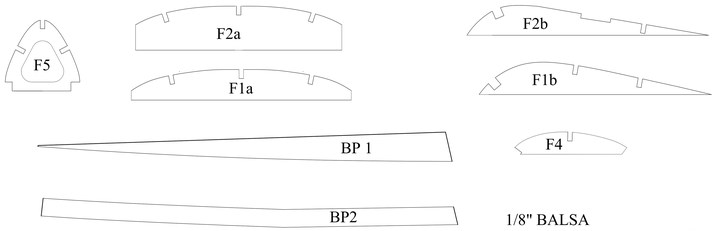
1/8 LITE (POPLAR) PLYWOOD



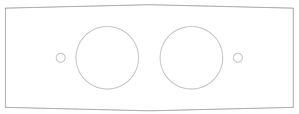
1/8" AIRCRAFT GRADE
(BIRCH) PLYWOOD



1/4" BALSA



1/8" BALSA
MAKE 2 OF EVERYTHING
EXCEPT F1a, F2b AND F5



WING CENTER JOINER
1/16" AIRCRAFT PLY

IAC ONE DESIGN
BY BILL GOLDTHORPE
SHEET 3 OF 3 (PARTS PATERNS)

WINGSPAN 60"
WING AREA 740 SQ IN
LENGTH 52.5"
ENGINE .45 2 STROKE