WRAP WING JOINTS WITH 1" WIDE NYLON TAPE AND THIN CYA GLUE.

CENTER SECTION

R-1 R-1 R-1
1/16" BALSA SHEETING TOP AND BOTTOM
CUT HOLE FOR WIRING IN BOTTOM
R-1A R-1A
FILL SOLID WITH BALSA

ENGINE NACELLE
CUT HOLE FOR WIRING INTO WING

1/2" X 3/4" LEADING EDGE SAND TO SHAPE
WING FLOAT POSITION
R-1
1/8" PLY DIHEDRAL BRACE EPOXIED BETWEEN THE SPARS
1/16" BALSA SHEETING TOP AND BOTTOM
R-1A R-2
FILL SOLID WITH BALSA TO R-2
1/16" BALSA SHEAR WEB
1/16" BALSA SHEETING TOP AND BOTTOM
1/8" X 3/8" PINE SPARS, TOP AND BOTTOM
1/16" X 1/4" CAP STRIPS
CUT ALBATROS FROM TRIM SHEET
1/16" PLY. FLOAT MOUNT GLUED TO THE BOTTOM
1/16" BALSA BOTTOM ONLY
1/16" X 1" BALSA TOP AND BOTTOM
R-3 R-3 R-3 R-3 R-3 R-3 R-3 R-3
1/8" BALSA
1/16" RIBS
1/16" BALSA WING TIP BOTTOM
TIP RIB
WASHOUT WING TIP 1/4" START WASHOUT HERE

SECTION AT WING TIP

DIHEDRAL
1 3/16" UNDER EACH WING TIP

DIHEDRAL GAUGE 1/16" BALSA

R-1 R-1A 1/8" BALSA (5 EA)
DRILL HOLES FOR WIRING
R-2 1/16" BALSA (2)
R-3 1/16" BALSA (16)
TIP RIB 3/16" BALSA (2)
DIHEDRAL BRACE 1/8" PLYWOOD
NACELLE SIDE 1/8" BALSA

3/16" X 1/2"
1"
1/8" BRASS TUBE EPOXIED IN PLACE
3/32" WIRE
3/16" BALSA FILL
3/16" BALSA
3/16" X 1/2"
1/8" X 3/16"
CONTROL HORN
3/16" X 1 1/8"
SAND TO SHAPE

WING FLOATS

SIDE VIEW
1/16" BALSA
FOAM CORE
1/16" BALSA

REAR VIEW
1/16" PLY. 1/4" TRIANGLE
1/4" BALSA
OPTIONAL CUTOUT
#4 SM SCREWS TO ATTACH FLOATS (4)
1/16" BALSA SIDES AND REAR

WIRING DIAGRAM

MOTOR #1 MOTOR #2
DPDT SAFETY SWITCH
GRAUPNER SPEED 600 MOTORS
MASTER AIRSCREW 8 X 4 PROPS
SM-4 JOMAR SPEED CONTROL
20 AMP FUSE
7 CELL BATTERY PACK #1
7 CELL BATTERY PACK #2

SUPRESSION
0.047mF
0.1mF 0.1mF
EACH MOTOR

F-1 1/8" BALSA
F-2 1/8" BALSA
F-3 MAKE FROM 1/8" X 3/4" BALSA
F-4 MAKE FROM 1/8" X 3/4" BALSA
1/16" BALSA SIDE 5/16" FOAM

MOTOR MOUNT
1/16" BALSA
3/8" TRIANGLE
1/8" BALSA
MOTOR
5/16" SQ. PINE
1/16" ALUMINUM

FRONT WINDOW 1/8" BALSA
CUT WINDOWS AND PORTHOLES FROM BLACK TRIM SHEET

F-5 MAKE FROM 1/8" X 3/4" BALSA

DRILL 1/32"
DRILL 1/8"
1/16" ALUMINUM
DRILL 1/16"
REAR VIEW SIDE VIEW
CONTROL HORN
PIN AND EPOXY TO STABILIZER

FRONT VIEW OF FIN & STAB JUNCTION
1/4" X 3/8"
CONTROL HORN

F-6 1/8" BALSA

1/4" BALSA
1/4" X 1/2"
HINGE
1/4" X 1/2"
1/8" X 1/4"
SAND TO SHAPE
1/4" BALSA
EPOXY BRASS TUBE IN FIN
SLOT
1/4" X 3/8" GLUED TO FIN
CONTROL HORN
1/8" BALSA
1/4" BALSA
CONTROL HORN
1/8" OD BRASS TUBE 3/32" WIRE
1/4" BALSA
3/32" WHEEL COLLAR
1/32" PLY. 3/32" WHEEL COLLAR

3/8" TRIANGLE
5/16" PINE
R-1 R-1A
FRONT WINDOW
HATCH SEAL AND SECURE WITH CLEAR TAPE
1/16" PLY. DOUBLER
1/4" DOWEL
SIDE WINDOW
3/8" TRIANGLE
F-1 F-2 F-3 F-4 F-5 F-6 F-7
3/8" TRIANGLE
FUSELAGE SIDES ARE 1/16" BALSA GLUED TO 5/16" THICK STYROFOAM.
LEFT SIDE OF FUSELAGE NOT SHOWN FOR CLARITY.
COLOR LINE YELLOW RED
CUT PORTHOLES FROM BLACK TRIM SHEET
POSITION RUDDER AND ELEVATOR SERVOS TO HELP BALANCE MODEL
FLOOR FOR BATTERY PACKS
1/8" BALSA
TAPER AND SCORE AS SHOWN TO BEND
3/8" TRIANGLE SPRAY RAILS
1/16" PLYWOOD BOTTOM FROM STEP FOREWARD
3/32" BALSA
SULLIVAN FLEXIBLE GOLD-N-ROD PUSHRODS #504
1/16" BALSA
3/8" TRIANGLE

TOP VIEW OF NOSE
F-1
3/8" TRIANGLE

SECTION AT STEP
F-7 3/8" BALSA
1/16" PLY. 3/8" TRIANGLE

CONTROL MOVEMENT
RUDDER: 3/4" RIGHT AND LEFT
ELEVATOR: 1/4" UP AND DOWN

WATER RUDDER TOP VIEW
1/32" PLY
1/8" OD BRASS TUBE

WINGSPAN	63"
LENGTH	42.5"
WING AREA	504 SQ. IN.
WEIGHT	5 LB. 4 OZ.
RADIO	3 CHANNEL
ENGINES	.05 ELECTRIC (2)

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ALBATROS

DESIGNED AND DRAWN BY HENRY BOLZENIUS
PLAN DRAWN AND INKED BY FRED BEEBE

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PLAN NO. 1171