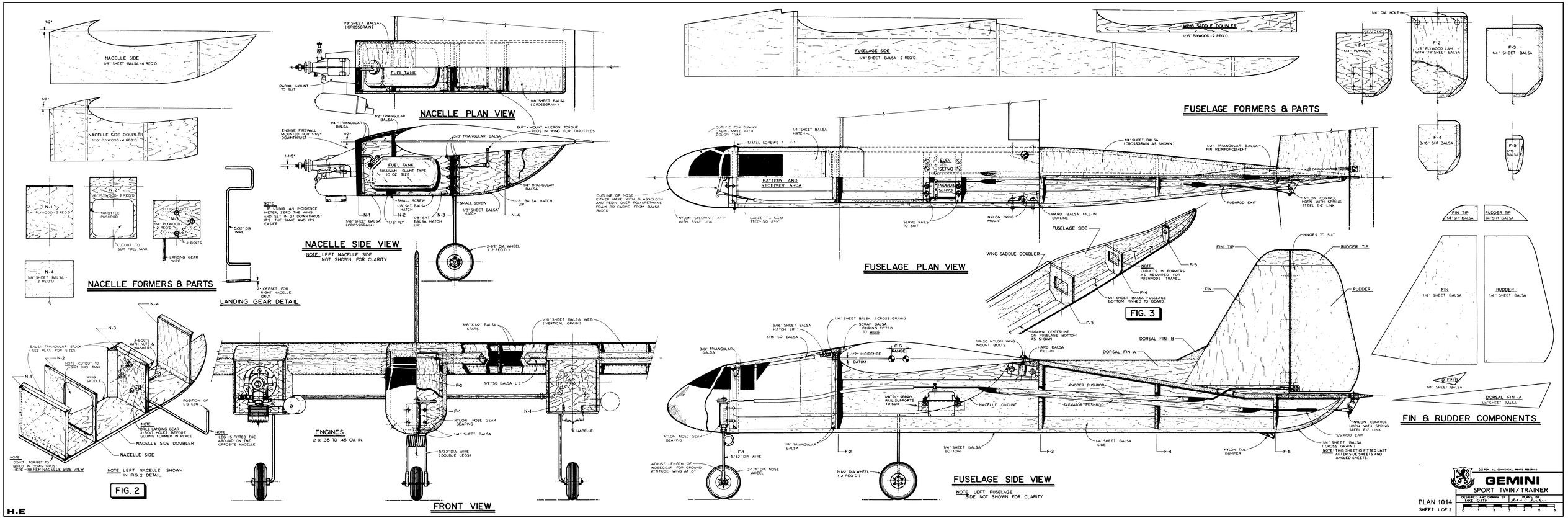
NACELLE SIDE
1/8" SHEET BALSA - 4 REQ'D
NACELLE SIDE DOUBLER
1/16" PLYWOOD - 4 REQ'D
N-1
1/4" PLYWOOD - 2 REQ'D
N-2
1/8" PLYWOOD - 2 REQ'D
THROTTLE PUSHROD
CUTOUT TO SUIT FUEL TANK
N-3
1/4" PLYWOOD - 2 REQ'D
J-BOLTS
LANDING GEAR WIRE
N-4
1/8" BALSA - 2 REQ'D
NACELLE FORMERS & PARTS
5/32" DIA WIRE
2° OFFSET FOR RIGHT NACELLE ONLY
LANDING GEAR DETAIL
1/8" SHEET BALSA (CROSSGRAIN)
FUEL TANK
RADIAL MOUNT TO SUIT
1/8" SHEET BALSA (CROSSGRAIN)
NACELLE PLAN VIEW
1/2" TRIANGULAR BALSA
1/4" TRIANGULAR BALSA
ENGINE FIREWALL MOUNTED FOR 1-1/2° DOWNTHRUST
BURY/MOUNT AILERON TORQUE RODS IN WING FOR THROTTLES
3/8" TRIANGULAR BALSA
FUEL TANK
SULLIVAN SLANT TYPE 10 OZ SIZE
1/4" TRIANGULAR BALSA
1/8" BALSA HATCH LIP
SMALL SCREW
1/8" SHT BALSA HATCH
1/8" SHEET BALSA HATCH
N-1
N-2
1/8" SHEET BALSA (CROSSGRAIN)
1/8" PLY
1/8" SHT BALSA HATCH LIP
N-3
N-4
NOTE
IF USING AN INCIDENCE METER, ZERO THE WING AND SET IN 2° DOWNTHRUST ITS THE SAME AND ITS EASIER
NACELLE SIDE VIEW
NOTE LEFT NACELLE SIDE NOT SHOWN FOR CLARITY
2-1/2" DIA WHEEL (2 REQ'D)
N-4
N-3
BALSA TRIANGULAR STICK SEE PLAN FOR SIZES
J-BOLTS WITH NUTS & WASHERS
N-2
NOTE CUTOUT TO SUIT FUEL TANK
N-1
WING SADDLE
POSITION OF L.G LEG
NOTE DRILL LANDING GEAR J-BOLT HOLES BEFORE GLUING FORMER IN PLACE
NOTE LEG IS FITTED THE AROUND ON THE OPPOSITE NACELLE
NACELLE SIDE DOUBLER
NACELLE SIDE
NOTE DON'T FORGET TO BUILD IN DOWNTHRUST HERE - REFER NACELLE SIDE VIEW
NOTE LEFT NACELLE SHOWN IN FIG. 2 DETAIL
FIG. 2
3/8" X 1/2" BALSA SPARS
1/16" SHEET BALSA WEB (VERTICAL GRAIN)
1/2" SQ BALSA L.E.
F-2
F-1
N-1
NYLON NOSE GEAR BEARING
1/4" SHEET BALSA
5/32" DIA WIRE (DOUBLE LEGS)
NACELLE
ENGINES
2 x 35 TO 45 CU IN
FRONT VIEW
FUSELAGE SIDE
1/4" SHEET BALSA - 2 REQ'D
WING SADDLE DOUBLER
1/16" PLYWOOD - 2 REQ'D
1/4" DIA HOLE
F-1
1/4" PLYWOOD
F-2
1/8" PLYWOOD LAM WITH 1/8" SHEET BALSA
F-3
1/4" SHEET BALSA
F-4
3/16" SHT BALSA
F-5
3/16" BALSA
FUSELAGE FORMERS & PARTS
OUTLINE FOR DUMMY CABIN - MARK WITH COLOR TAPE
SMALL SCREWS
1/4" SHEET BALSA HATCH
BATTERY AND RECEIVER AREA
ELEV SERVO
RUDDER SERVO
1/4" SHEET BALSA (CROSSGRAIN AS SHOWN)
1/2" TRIANGULAR BALSA FIN REINFORCEMENT
OUTLINE OF NOSE EITHER MAKE WITH GLASSCLOTH AND RESIN OVER POLYURETHANE FOAM OR CARVE FROM BALSA BLOCK
NYLON STEERING ARM WITH SHAP LINK
CABLE TO NOSE STEERING ARM
SERVO RAILS TO SUIT
NYLON WING MOUNT
HARD BALSA FILL-IN OUTLINE
PUSHROD EXIT
NYLON CONTROL HORN WITH SPRING STEEL E-Z LINK
FUSELAGE PLAN VIEW
FUSELAGE SIDE
WING SADDLE DOUBLER
NOTE CUTOUTS IN FORMERS AS REQUIRED FOR PUSHRODS TRAVEL
F-5
F-4
1/4" SHEET BALSA FUSELAGE BOTTOM PANNED TO BOARD
F-3
FIG. 3
FIN TIP
1/4" SHT BALSA
RUDDER TIP
1/4" SHT BALSA
HINGES TO SUIT
FIN TIP
RUDDER TIP
FIN
RUDDER
FIN
1/4" SHEET BALSA
RUDDER
1/4" SHEET BALSA
D-FIN B
1/4" SHEET BALSA
DORSAL FIN - A
1/4" SHEET BALSA
FIN & RUDDER COMPONENTS
3/16" SHEET BALSA HATCH LIP
3/16" SQ BALSA
1/4" SHEET BALSA (CROSS GRAIN)
SCRAP BALSA FAIRING FITTED TO WING
3/8" TRIANGULAR BALSA
C.G RANGE
+1/2° INCIDENCE
DATUM
1/4-20 NYLON WING MOUNT BOLTS
HARD BALSA FILL-IN
DRAWN CENTERLINE ON FUSELAGE BOTTOM AS SHOWN
DORSAL FIN - B
DORSAL FIN - A
RUDDER PUSHROD
1/8" PLY SERVO RAIL SUPPORTS TO SUIT
NACELLE OUTLINE
ELEVATOR PUSHROD
NYLON NOSE GEAR BEARING
F-1
5/32" DIA WIRE
ADJUST LENGTH OF NOSEGEAR FOR GROUND ATTITUDE - WING AT 0°
2-1/4" DIA NOSE WHEEL
1/4" TRIANGULAR BALSA
F-2
2-1/2" DIA WHEEL (2 REQ'D)
1/4" SHEET BALSA BOTTOM
F-3
1/4" SHEET BALSA SIDE
F-4
NYLON TAIL BUMPER
F-5
NYLON CONTROL HORN WITH SPRING STEEL E-Z LINK
PUSHROD EXIT
1/4" SHEET BALSA (CROSS GRAIN)
NOTE THIS SHEET IS FITTED LAST AFTER SIDE SHEETS AND ANGLED SHEETS.
FUSELAGE SIDE VIEW
NOTE LEFT FUSELAGE SIDE NOT SHOWN FOR CLARITY
H.E
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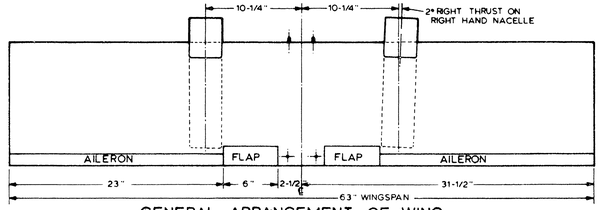
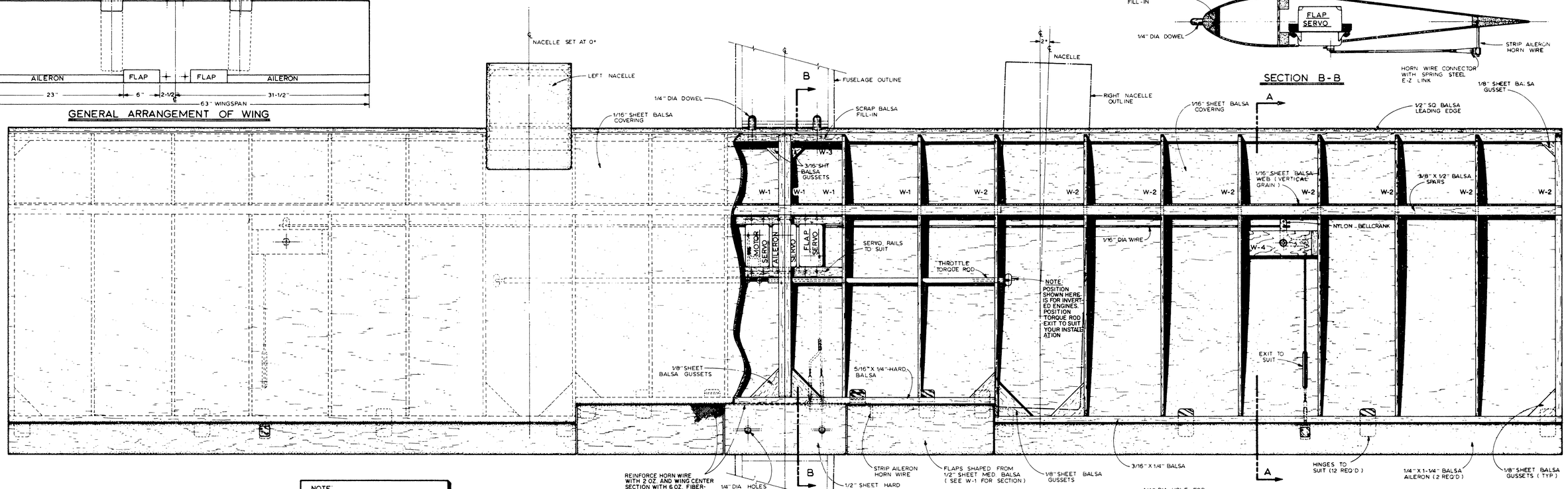
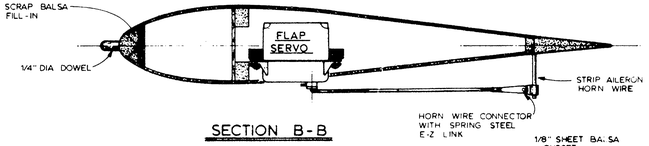
GEMINI
SPORT TWIN/TRAINER
DESIGNED AND DRAWN BY
MIKE BATH
PLANS BY
PLAN 1014
SHEET 1 OF 2



GENERAL ARRANGEMENT OF WING

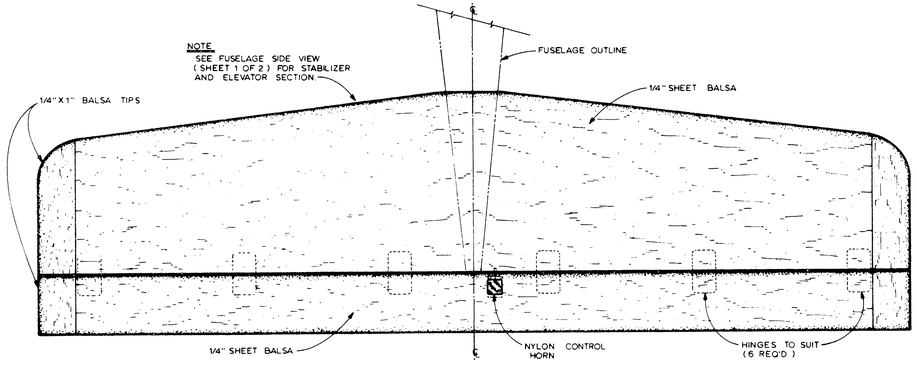


WING PLAN

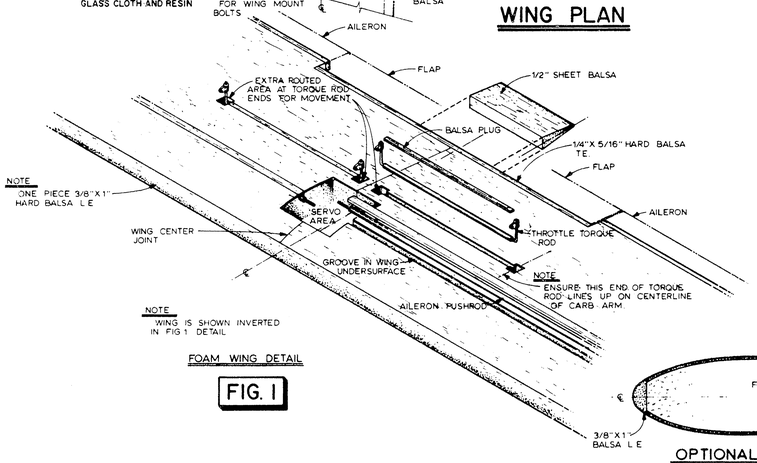


SECTION B-B

NOTE:
ASSEMBLE BOTH WING HALVES WITH NO DIHEDRAL.
DIHEDRAL = 0°

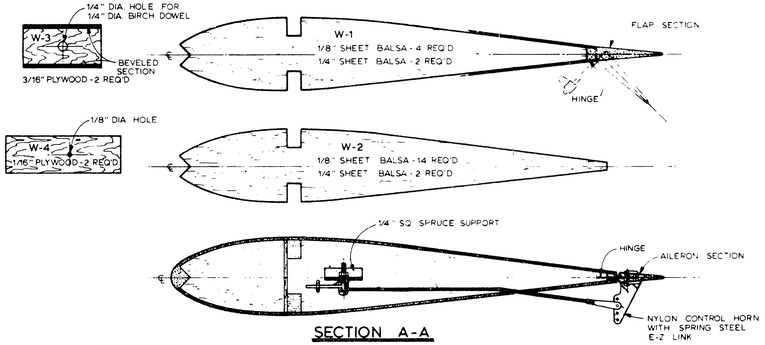


STABILIZER AND ELEVATOR PLAN

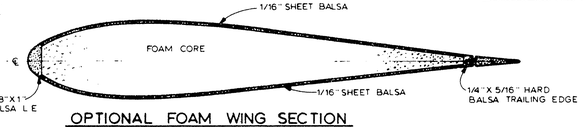


FOAM WING DETAIL

FIG. 1



SECTION A-A



OPTIONAL FOAM WING SECTION

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GEMINI

SPORT TWIN / TRAINER

DESIGNED AND DRAWN BY MIKE SMITH

PLANS BY Robert C. Lindsey

0 1 2 3 4 5 6

H.E

SHEET 2 OF 2

PLAN NO. 1014②