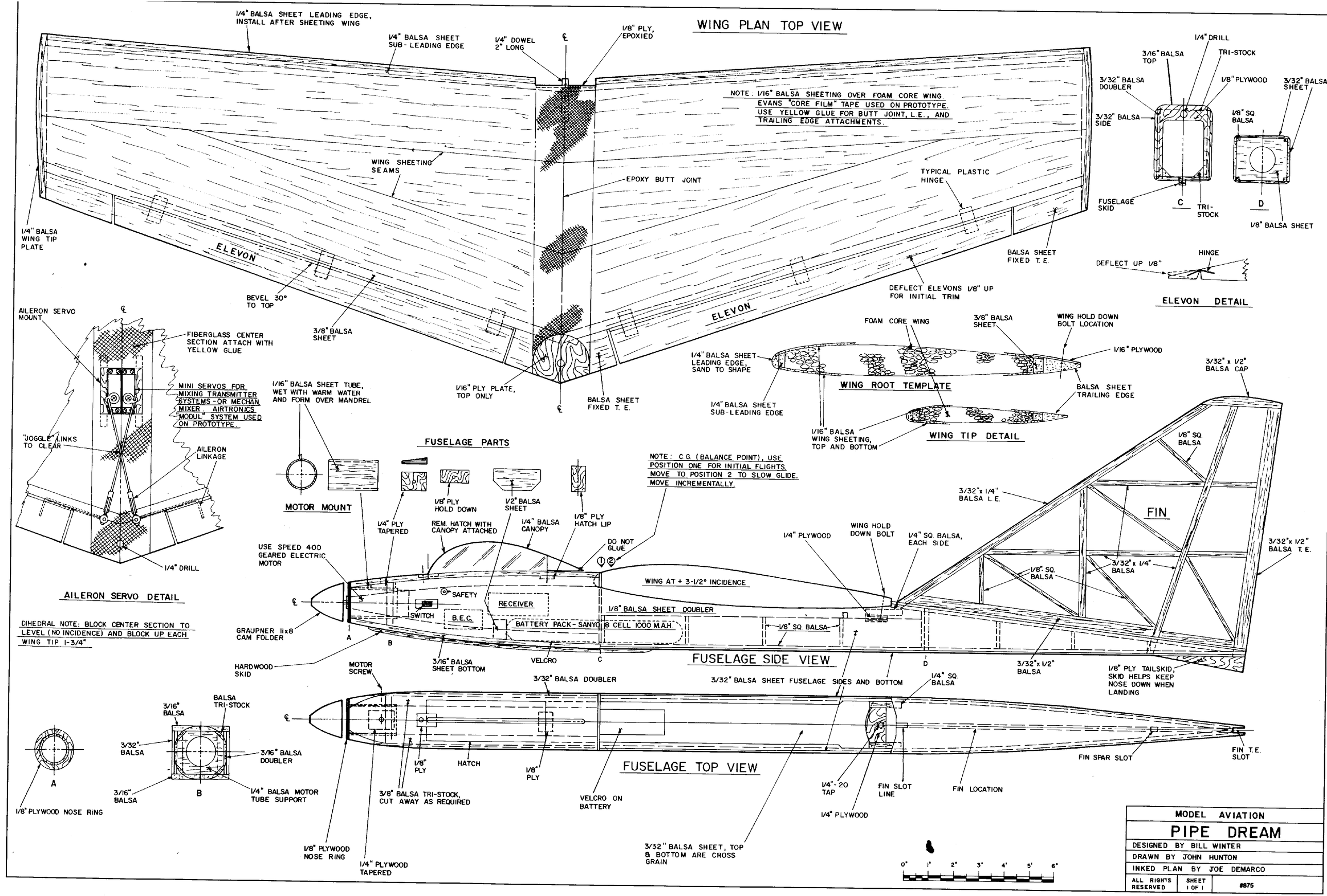
WING PLAN TOP VIEW
1/4" BALSA SHEET LEADING EDGE, INSTALL AFTER SHEETING WING
1/4" BALSA SHEET SUB-LEADING EDGE
1/4" DOWEL 2" LONG
1/8" PLY, EPOXIED
NOTE: 1/16" BALSA SHEETING OVER FOAM CORE WING. EVANS "CORE FILM" TAPE USED ON PROTOTYPE. USE YELLOW GLUE FOR BUTT JOINT, L.E., AND TRAILING EDGE ATTACHMENTS.
WING SHEETING SEAMS
EPOXY BUTT JOINT
TYPICAL PLASTIC HINGE
1/4" BALSA WING TIP PLATE
ELEVON
BEVEL 30° TO TOP
3/8" BALSA SHEET
1/16" PLY PLATE, TOP ONLY
BALSA SHEET FIXED T.E.
BALSA SHEET FIXED T.E.
DEFLECT ELEVONS 1/8" UP FOR INITIAL TRIM
ELEVON
1/4" DRILL
3/16" BALSA TOP
TRI-STOCK
3/32" BALSA DOUBLER
1/8" PLYWOOD
3/32" BALSA SHEET
3/32" BALSA SIDE
1/8" SQ. BALSA
FUSELAGE SKID
C
TRI-STOCK
D
1/8" BALSA SHEET
DEFLECT UP 1/8"
HINGE
ELEVON DETAIL
AILERON SERVO MOUNT
FIBERGLASS CENTER SECTION ATTACH WITH YELLOW GLUE
MINI SERVOS FOR MIXING TRANSMITTER SYSTEMS - OR MECHAN. MIXER. AIRTRONICS "MODUL" SYSTEM USED ON PROTOTYPE.
"JOGGLE" LINKS TO CLEAR
AILERON LINKAGE
1/4" DRILL
AILERON SERVO DETAIL
DIHEDRAL NOTE: BLOCK CENTER SECTION TO LEVEL (NO INCIDENCE) AND BLOCK UP EACH WING TIP 1-3/4"
1/16" BALSA SHEET TUBE, WET WITH WARM WATER AND FORM OVER MANDREL
FUSELAGE PARTS
MOTOR MOUNT
1/8" PLY HOLD DOWN
1/2" BALSA SHEET
1/8" PLY HATCH LIP
1/4" PLY TAPERED
REM. HATCH WITH CANOPY ATTACHED
1/4" BALSA CANOPY
NOTE: C.G. (BALANCE POINT), USE POSITION ONE FOR INITIAL FLIGHTS. MOVE TO POSITION 2 TO SLOW GLIDE. MOVE INCREMENTALLY.
DO NOT GLUE
USE SPEED 400 GEARED ELECTRIC MOTOR
SAFETY
SWITCH
B.E.C.
RECEIVER
WING AT + 3-1/2° INCIDENCE
1/8" BALSA SHEET DOUBLER
BATTERY PACK - SANYO 8 CELL 1000 M.A.H.
1/8" SQ. BALSA
GRAUPNER 11x8 CAM FOLDER
HARDWOOD SKID
3/16" BALSA SHEET BOTTOM
VELCRO
FUSELAGE SIDE VIEW
FOAM CORE WING
3/8" BALSA SHEET
WING HOLD DOWN BOLT LOCATION
1/4" BALSA SHEET LEADING EDGE, SAND TO SHAPE
1/16" PLYWOOD
WING ROOT TEMPLATE
BALSA SHEET TRAILING EDGE
1/4" BALSA SHEET SUB-LEADING EDGE
1/16" BALSA WING SHEETING, TOP AND BOTTOM
WING TIP DETAIL
3/32" x 1/2" BALSA CAP
1/8" SQ. BALSA
3/32" x 1/4" BALSA L.E.
FIN
1/4" PLYWOOD
WING HOLD DOWN BOLT
1/4" SQ. BALSA, EACH SIDE
3/32" x 1/2" BALSA T.E.
1/8" SQ. BALSA
3/32" x 1/4" BALSA
3/32" x 1/2" BALSA
1/8" PLY TAILSKID, SKID HELPS KEEP NOSE DOWN WHEN LANDING
MOTOR SCREW
3/32" BALSA DOUBLER
3/32" BALSA SHEET FUSELAGE SIDES AND BOTTOM
1/4" SQ. BALSA
BALSA TRI-STOCK
3/16" BALSA
3/32" BALSA
3/16" BALSA DOUBLER
3/16" BALSA
1/4" BALSA MOTOR TUBE SUPPORT
A
B
1/8" PLYWOOD NOSE RING
1/8" PLY
HATCH
1/8" PLY
3/8" BALSA TRI-STOCK, CUT AWAY AS REQUIRED
VELCRO ON BATTERY
FUSELAGE TOP VIEW
1/4"-20 TAP
FIN SLOT LINE
FIN LOCATION
1/4" PLYWOOD
FIN SPAR SLOT
FIN T.E. SLOT
1/8" PLYWOOD NOSE RING
1/4" PLYWOOD TAPERED
3/32" BALSA SHEET, TOP & BOTTOM ARE CROSS GRAIN
0" 1" 2" 3" 4" 5" 6"
MODEL AVIATION
PIPE DREAM
DESIGNED BY BILL WINTER
DRAWN BY JOHN HUNTON
INKED PLAN BY JOE DEMARCO
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SHEET 1 OF 1
#875