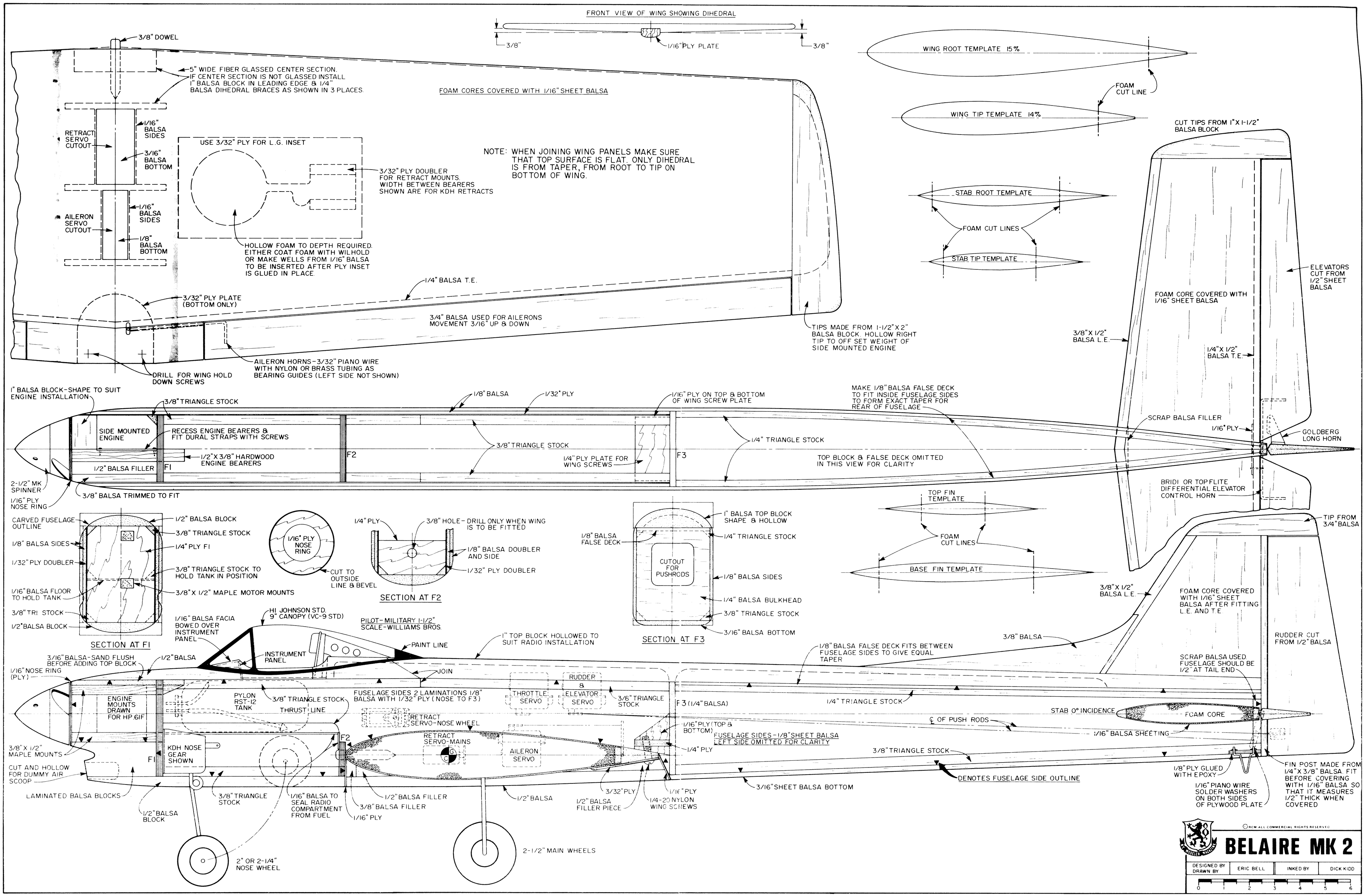
FRONT VIEW OF WING SHOWING DIHEDRAL
3/8"
1/16" PLY PLATE
3/8"
3/8" DOWEL
5" WIDE FIBER GLASSED CENTER SECTION.
IF CENTER SECTION IS NOT GLASSED INSTALL
1" BALSA BLOCK IN LEADING EDGE & 1/4"
BALSA DIHEDRAL BRACES AS SHOWN IN 3 PLACES.
FOAM CORES COVERED WITH 1/16" SHEET BALSA
RETRACT SERVO CUTOUT
1/16" BALSA SIDES
3/16" BALSA BOTTOM
USE 3/32" PLY FOR L.G. INSET
3/32" PLY DOUBLER FOR RETRACT MOUNTS. WIDTH BETWEEN BEARERS SHOWN ARE FOR KDH RETRACTS
NOTE: WHEN JOINING WING PANELS MAKE SURE THAT TOP SURFACE IS FLAT. ONLY DIHEDRAL IS FROM TAPER, FROM ROOT TO TIP ON BOTTOM OF WING.
AILERON SERVO CUTOUT
1/16" BALSA SIDES
1/8" BALSA BOTTOM
HOLLOW FOAM TO DEPTH REQUIRED. EITHER COAT FOAM WITH WILHOLD OR MAKE WELLS FROM 1/16" BALSA TO BE INSERTED AFTER PLY INSET IS GLUED IN PLACE.
1/4" BALSA T.E.
3/32" PLY PLATE (BOTTOM ONLY)
3/4" BALSA USED FOR AILERONS MOVEMENT 3/16" UP & DOWN
TIPS MADE FROM 1-1/2" X 2" BALSA BLOCK. HOLLOW RIGHT TIP TO OFF SET WEIGHT OF SIDE MOUNTED ENGINE
DRILL FOR WING HOLD DOWN SCREWS
AILERON HORNS-3/32" PIANO WIRE WITH NYLON OR BRASS TUBING AS BEARING GUIDES (LEFT SIDE NOT SHOWN)
WING ROOT TEMPLATE 15%
FOAM CUT LINE
WING TIP TEMPLATE 14%
STAB ROOT TEMPLATE
FOAM CUT LINES
STAB TIP TEMPLATE
CUT TIPS FROM 1" X 1-1/2" BALSA BLOCK
ELEVATORS CUT FROM 1/2" SHEET BALSA
FOAM CORE COVERED WITH 1/16" SHEET BALSA
3/8" X 1/2" BALSA L.E.
1/4" X 1/2" BALSA T.E.
1" BALSA BLOCK-SHAPE TO SUIT ENGINE INSTALLATION
3/8" TRIANGLE STOCK
1/8" BALSA
1/32" PLY
1/16" PLY ON TOP & BOTTOM OF WING SCREW PLATE
MAKE 1/8" BALSA FALSE DECK TO FIT INSIDE FUSELAGE SIDES TO FORM EXACT TAPER FOR REAR OF FUSELAGE
SCRAP BALSA FILLER
1/16" PLY
GOLDBERG LONG HORN
SIDE MOUNTED ENGINE
RECESS ENGINE BEARERS & FIT DURAL STRAPS WITH SCREWS
1/2" X 3/8" HARDWOOD ENGINE BEARERS
3/8" TRIANGLE STOCK
1/4" PLY PLATE FOR WING SCREWS
1/4" TRIANGLE STOCK
TOP BLOCK & FALSE DECK OMITTED IN THIS VIEW FOR CLARITY
1/2" BALSA FILLER
F1
F2
F3
2-1/2" MK SPINNER
1/16" PLY NOSE RING
3/8" BALSA TRIMMED TO FIT
BRIDI OR TOPFLITE DIFFERENTIAL ELEVATOR CONTROL HORN
TIP FROM 3/4" BALSA
CARVED FUSELAGE OUTLINE
1/2" BALSA BLOCK
3/8" TRIANGLE STOCK
1/8" BALSA SIDES
1/4" PLY F1
1/32" PLY DOUBLER
3/8" TRIANGLE STOCK TO HOLD TANK IN POSITION
1/16" BALSA FLOOR TO HOLD TANK
3/8" X 1/2" MAPLE MOTOR MOUNTS
3/8" TRI STOCK
1/2" BALSA BLOCK
SECTION AT F1
1/16" PLY NOSE RING
CUT TO OUTSIDE LINE & BEVEL
1/4" PLY
3/8" HOLE-DRILL ONLY WHEN WING IS TO BE FITTED
1/8" BALSA DOUBLER AND SIDE
1/32" PLY DOUBLER
SECTION AT F2
1/8" BALSA FALSE DECK
1" BALSA TOP BLOCK SHAPE & HOLLOW
1/4" TRIANGLE STOCK
CUTOUT FOR PUSHRODS
1/8" BALSA SIDES
1/4" BALSA BULKHEAD
3/8" TRIANGLE STOCK
3/16" BALSA BOTTOM
SECTION AT F3
TOP FIN TEMPLATE
FOAM CUT LINES
BASE FIN TEMPLATE
3/8" X 1/2" BALSA L.E.
FOAM CORE COVERED WITH 1/16" SHEET BALSA AFTER FITTING L.E. AND T.E.
RUDDER CUT FROM 1/2" BALSA
1/16" BALSA FACIA BOWED OVER INSTRUMENT PANEL
HI JOHNSON STD. 9" CANOPY (VC-9 STD)
PILOT-MILITARY 1-1/2" SCALE-WILLIAMS BROS.
INSTRUMENT PANEL
PAINT LINE
1" TOP BLOCK HOLLOWED TO SUIT RADIO INSTALLATION
3/8" BALSA
3/16" BALSA-SAND FLUSH BEFORE ADDING TOP BLOCK
1/2" BALSA
1/16" NOSE RING (PLY)
JOIN
1/8" BALSA FALSE DECK FITS BETWEEN FUSELAGE SIDES TO GIVE EQUAL TAPER
SCRAP BALSA USED. FUSELAGE SHOULD BE 1/2" AT TAIL END
ENGINE MOUNTS DRAWN FOR HP.61F
PYLON RST-12 TANK
3/8" TRIANGLE STOCK
THRUST LINE
FUSELAGE SIDES 2 LAMINATIONS 1/8" BALSA WITH 1/32" PLY (NOSE TO F3)
THROTTLE SERVO
RUDDER & ELEVATOR SERVO
3/6" TRIANGLE STOCK
F3 (1/4" BALSA)
1/4" TRIANGLE STOCK
STAB 0° INCIDENCE
FOAM CORE
RETRACT SERVO-NOSE WHEEL
℄ OF PUSH RODS
1/16" PLY (TOP & BOTTOM)
1/16" BALSA SHEETING
3/8" X 1/2" MAPLE MOUNTS
KDH NOSE GEAR SHOWN
RETRACT SERVO-MAINS
AILERON SERVO
FUSELAGE SIDES-1/8" SHEET BALSA LEFT SIDE OMITTED FOR CLARITY
1/4" PLY
3/8" TRIANGLE STOCK
CUT AND HOLLOW FOR DUMMY AIR SCOOP
DENOTES FUSELAGE SIDE OUTLINE
1/8" PLY GLUED WITH EPOXY
FIN POST MADE FROM 1/4" X 3/8" BALSA. FIT BEFORE COVERING WITH 1/16" BALSA SO THAT IT MEASURES 1/2" THICK WHEN COVERED
LAMINATED BALSA BLOCKS
3/8" TRIANGLE STOCK
1/16" BALSA TO SEAL RADIO COMPARTMENT FROM FUEL
1/2" BALSA FILLER
3/8" BALSA FILLER
1/16" PLY
1/2" BALSA
1/2" BALSA FILLER PIECE
3/32" PLY
1/16" PLY
1/4-20 NYLON WING SCREWS
3/16" SHEET BALSA BOTTOM
1/16" PIANO WIRE SOLDER WASHERS ON BOTH SIDES OF PLYWOOD PLATE
1/2" BALSA BLOCK
2" OR 2-1/4" NOSE WHEEL
2-1/2" MAIN WHEELS
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BELAIRE MK 2
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