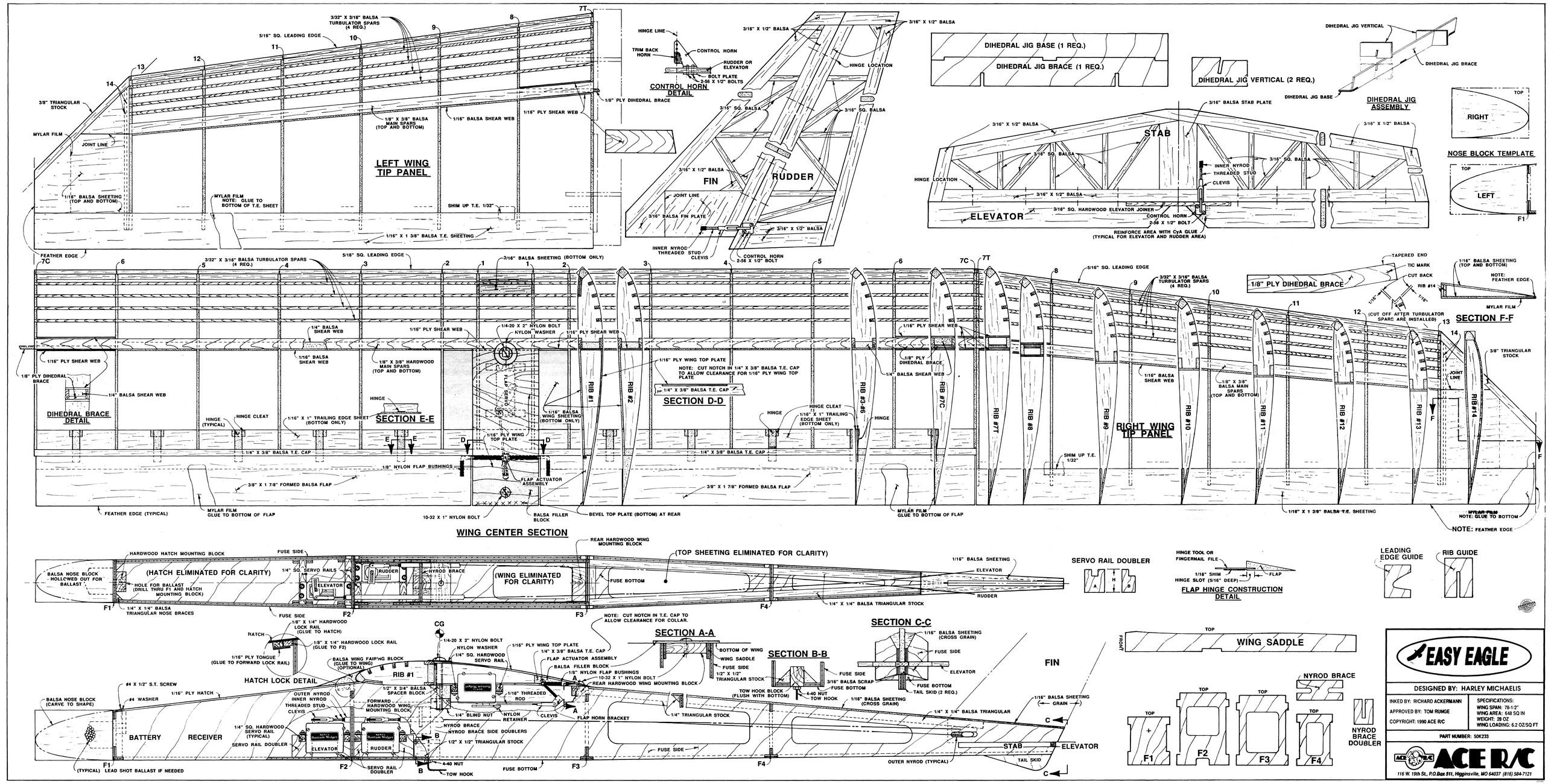
LEFT WING TIP PANEL
3/32" X 3/16" BALSA TURBULATOR SPARS (4 REQ.)
5/16" SQ. LEADING EDGE
3/8" TRIANGULAR STOCK
MYLAR FILM
JOINT LINE
1/8" X 3/8" BALSA MAIN SPARS (TOP AND BOTTOM)
1/16" BALSA SHEAR WEB
1/16" PLY SHEAR WEB
1/8" PLY DIHEDRAL BRACE
1/16" BALSA SHEETING (TOP AND BOTTOM)
MYLAR FILM NOTE: GLUE TO BOTTOM OF T.E. SHEET
SHIM UP T.E. 1/32"
1/16" X 1 3/8" BALSA T.E. SHEETING
FEATHER EDGE
CONTROL HORN DETAIL
HINGE LINE
TRIM BACK HORN
CONTROL HORN
RUDDER OR ELEVATOR
BOLT PLATE
2-56 X 1/2" BOLTS
3/16" X 1/2" BALSA
HINGE LOCATION
3/16" SQ. BALSA
FIN
RUDDER
3/16" BALSA FIN PLATE
INNER NYROD THREADED STUD
CLEVIS
CONTROL HORN 2-56 X 1/2" BOLT
DIHEDRAL JIG BASE (1 REQ.)
DIHEDRAL JIG BRACE (1 REQ.)
DIHEDRAL JIG VERTICAL (2 REQ.)
DIHEDRAL JIG VERTICAL
DIHEDRAL JIG BRACE
DIHEDRAL JIG BASE
DIHEDRAL JIG ASSEMBLY
3/16" BALSA STAB PLATE
STAB
ELEVATOR
3/16" SQ. HARDWOOD ELEVATOR JOINER
CONTROL HORN
2-56 X 1/2" BOLT
REINFORCE AREA WITH CyA GLUE (TYPICAL FOR ELEVATOR AND RUDDER AREA)
TOP
RIGHT
LEFT
NOSE BLOCK TEMPLATE
WING CENTER SECTION
1/4" BALSA SHEAR WEB
1/16" PLY SHEAR WEB
1/8" PLY DIHEDRAL BRACE
DIHEDRAL BRACE DETAIL
1/8" X 3/8" HARDWOOD MAIN SPARS (TOP AND BOTTOM)
1/4-20 X 2" NYLON BOLT
NYLON WASHER
1/16" PLY WING TOP PLATE
NOTE: CUT NOTCH IN 1/4" X 3/8" BALSA T.E. CAP TO ALLOW CLEARANCE FOR 1/16" PLY WING TOP PLATE
1/4" X 3/8" BALSA T.E. CAP
SECTION D-D
SECTION E-E
HINGE
HINGE (TYPICAL)
HINGE CLEAT
1/16" X 1" TRAILING EDGE SHEET (BOTTOM ONLY)
1/16" BALSA WING SHEETING (BOTTOM ONLY)
1/16" PLY WING TOP PLATE
FLAP SERVO
RIB #1
RIB #2
RIB #3-#6
RIB #7C
RIB #7T
RIB #8
RIB #9
RIB #10
RIB #11
RIB #12
RIB #13
RIB #14
1/8" NYLON FLAP BUSHINGS
FLAP ACTUATOR ASSEMBLY
3/8" X 1 7/8" FORMED BALSA FLAP
FEATHER EDGE (TYPICAL)
MYLAR FILM GLUE TO BOTTOM OF FLAP
10-32 X 1" NYLON BOLT
BALSA FILLER BLOCK
BEVEL TOP PLATE (BOTTOM) AT REAR
RIGHT WING TIP PANEL
1/8" PLY DIHEDRAL BRACE
TAPERED END
TIC MARK
CUT BACK
(CUT OFF AFTER TURBULATOR SPARS ARE INSTALLED)
SECTION F-F
JOINT LINE
NOTE: GLUE TO BOTTOM
NOTE: FEATHER EDGE
(TOP SHEETING ELIMINATED FOR CLARITY)
HARDWOOD HATCH MOUNTING BLOCK
FUSE SIDE
BALSA NOSE BLOCK HOLLOWED OUT FOR BALLAST
(HATCH ELIMINATED FOR CLARITY)
1/4" SQ. SERVO RAILS
RUDDER
NYROD BRACE
ELEVATOR
HOLE FOR BALLAST (DRILL THRU F1 AND HATCH MOUNTING BLOCK)
(WING ELIMINATED FOR CLARITY)
REAR HARDWOOD WING MOUNTING BLOCK
FUSE BOTTOM
1/4" X 1/4" BALSA TRIANGULAR NOSE BRACES
1/4" X 1/4" BALSA TRIANGULAR STOCK
1/16" BALSA SHEETING
SERVO RAIL DOUBLER
HINGE TOOL OR FINGERNAIL FILE
1/16" SHIM
HINGE SLOT (5/16" DEEP)
FLAP
FLAP HINGE CONSTRUCTION DETAIL
LEADING EDGE GUIDE
RIB GUIDE
HATCH LOCK DETAIL
1/8" X 1/4" HARDWOOD LOCK RAIL (GLUE TO HATCH)
1/8" X 1/4" HARDWOOD LOCK RAIL (GLUE TO F2)
1/16" PLY TONGUE (GLUE TO FORWARD LOCK RAIL)
BALSA WING FAIRING BLOCK (GLUE TO WING) (OPTIONAL)
CG
1/4-20 X 2" NYLON BOLT
NYLON WASHER
1/4" SQ. HARDWOOD SERVO RAIL
1/16" PLY WING TOP PLATE
1/4" X 3/8" BALSA T.E. CAP
FLAP ACTUATOR ASSEMBLY
BALSA FILLER BLOCK
1/8" NYLON FLAP BUSHINGS
10-32 X 1" NYLON BOLT
REAR HARDWOOD WING MOUNTING BLOCK
NOTE: CUT NOTCH IN T.E. CAP TO ALLOW CLEARANCE FOR COLLAR.
SECTION A-A
BOTTOM OF WING
WING SADDLE
FUSE SIDE
1/2" X 1/2" TRIANGULAR STOCK
SECTION B-B
TOW HOOK BLOCK (FLUSH WITH BOTTOM)
4-40 NUT
TOW HOOK
SECTION C-C
1/16" BALSA SHEETING (CROSS GRAIN)
3/16" BALSA SCRAP
FUSE BOTTOM
TAIL SKID (2 REQ.)
FIN
WING SADDLE
FRONT
NYROD BRACE
NYROD BRACE DOUBLER
#4 X 1/2" S.T. SCREW
#4 WASHER
1/16" PLY HATCH
BALSA NOSE BLOCK (CARVE TO SHAPE)
OUTER NYROD
INNER NYROD
THREADED STUD
CLEVIS
FORWARD HARDWOOD WING MOUNTING BLOCK
1/2" X 3/4" BALSA SPACER BLOCK
1/16" THREADED ROD
1/4" BLIND NUT
NYLON RETAINER
FLAP HORN BRACKET
1/4" TRIANGULAR STOCK
1/4" X 1/4" BALSA TRIANGULAR
1/16" BALSA SHEETING GRAIN
1/4" SQ. HARDWOOD SERVO RAIL (TYPICAL)
SERVO RAIL DOUBLER
NYROD BRACE
NYROD BRACE SIDE DOUBLERS
1/2" X 1/2" TRIANGULAR STOCK
BATTERY
RECEIVER
ELEVATOR
RUDDER
STAB
TAIL SKID
OUTER NYROD (TYPICAL)
(TYPICAL) LEAD SHOT BALLAST IF NEEDED
EASY EAGLE
DESIGNED BY: HARLEY MICHAELIS
INKED BY: RICHARD ACKERMANN
APPROVED BY: TOM RUNGE
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SPECIFICATIONS:
WING SPAN: 78-1/2"
WING AREA: 648 SQ IN
WEIGHT: 28 OZ
WING LOADING: 6.2 OZ/SQ FT
PART NUMBER: 50K233
ACE R/C
116 W. 19th St., P.O.Box 811, Higginsville, MO 64037 (816) 584-7121