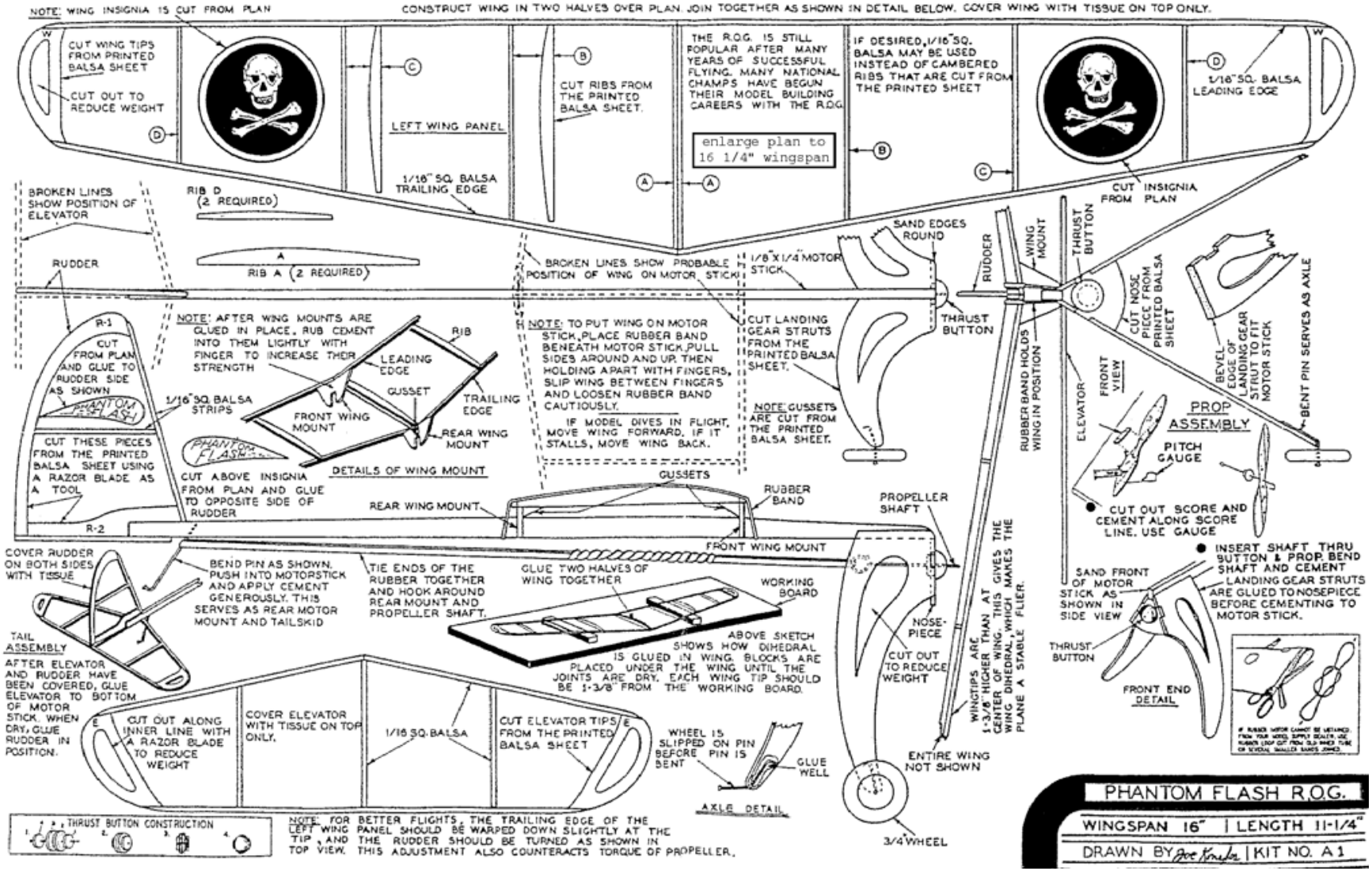
NOTE: WING INSIGNIA IS CUT FROM PLAN
CONSTRUCT WING IN TWO HALVES OVER PLAN. JOIN TOGETHER AS SHOWN IN DETAIL BELOW. COVER WING WITH TISSUE ON TOP ONLY.
CUT WING TIPS FROM PRINTED BALSA SHEET
CUT OUT TO REDUCE WEIGHT
LEFT WING PANEL
CUT RIBS FROM THE PRINTED BALSA SHEET.
THE R.O.G. IS STILL POPULAR AFTER MANY YEARS OF SUCCESSFUL FLYING. MANY NATIONAL CHAMPS HAVE BEGUN THEIR MODEL BUILDING CAREERS WITH THE R.O.G.
enlarge plan to 16 1/4" wingspan
IF DESIRED, 1/16" SQ. BALSA MAY BE USED INSTEAD OF CAMBERED RIBS THAT ARE CUT FROM THE PRINTED SHEET
1/16" SQ. BALSA LEADING EDGE
1/16" SQ. BALSA TRAILING EDGE
CUT INSIGNIA FROM PLAN
BROKEN LINES SHOW POSITION OF ELEVATOR
RIB D (2 REQUIRED)
RIB A (2 REQUIRED)
RUDDER
BROKEN LINES SHOW PROBABLE POSITION OF WING ON MOTOR STICK
1/8" X 1/4" MOTOR STICK
SAND EDGES ROUND
RUDDER
WING MOUNT
THRUST BUTTON
THRUST BUTTON
CUT NOSE PIECE FROM PRINTED BALSA SHEET
BEVEL EDGE OF LANDING GEAR STRUT TO FIT MOTOR STICK
BENT PIN SERVES AS AXLE
R-1
CUT FROM PLAN AND GLUE TO RUDDER SIDE AS SHOWN
PHANTOM FLASH
1/16" SQ. BALSA STRIPS
CUT THESE PIECES FROM THE PRINTED BALSA SHEET USING A RAZOR BLADE AS A TOOL
R-2
NOTE: AFTER WING MOUNTS ARE GLUED IN PLACE, RUB CEMENT INTO THEM LIGHTLY WITH FINGER TO INCREASE THEIR STRENGTH
RIB
LEADING EDGE
GUSSET
TRAILING EDGE
FRONT WING MOUNT
REAR WING MOUNT
DETAILS OF WING MOUNT
CUT ABOVE INSIGNIA FROM PLAN AND GLUE TO OPPOSITE SIDE OF RUDDER
NOTE: TO PUT WING ON MOTOR STICK, PLACE RUBBER BAND BENEATH MOTOR STICK, PULL SIDES AROUND AND UP. THEN HOLDING APART WITH FINGERS, SLIP WING BETWEEN FINGERS AND LOOSEN RUBBER BAND CAUTIOUSLY.
IF MODEL DIVES IN FLIGHT, MOVE WING FORWARD. IF IT STALLS, MOVE WING BACK.
CUT LANDING GEAR STRUTS FROM THE PRINTED BALSA SHEET.
NOTE: GUSSETS ARE CUT FROM THE PRINTED BALSA SHEET.
RUBBER BAND HOLDS WING IN POSITION
ELEVATOR
FRONT VIEW
PROP ASSEMBLY
PITCH GAUGE
CUT OUT SCORE AND CEMENT ALONG SCORE LINE. USE GAUGE
GUSSETS
RUBBER BAND
REAR WING MOUNT
FRONT WING MOUNT
PROPELLER SHAFT
COVER RUDDER ON BOTH SIDES WITH TISSUE
BEND PIN AS SHOWN. PUSH INTO MOTORSTICK AND APPLY CEMENT GENEROUSLY. THIS SERVES AS REAR MOTOR MOUNT AND TAILSKID
TIE ENDS OF THE RUBBER TOGETHER AND HOOK AROUND REAR MOUNT AND PROPELLER SHAFT.
GLUE TWO HALVES OF WING TOGETHER
WORKING BOARD
ABOVE SKETCH SHOWS HOW DIHEDRAL IS GLUED IN WING. BLOCKS ARE PLACED UNDER THE WING UNTIL THE JOINTS ARE DRY. EACH WING TIP SHOULD BE 1-3/8" FROM THE WORKING BOARD.
TAIL ASSEMBLY
AFTER ELEVATOR AND RUDDER HAVE BEEN COVERED, GLUE ELEVATOR TO BOTTOM OF MOTOR STICK. WHEN DRY, GLUE RUDDER IN POSITION.
CUT OUT ALONG INNER LINE WITH A RAZOR BLADE TO REDUCE WEIGHT
COVER ELEVATOR WITH TISSUE ON TOP ONLY.
1/16 SQ. BALSA
CUT ELEVATOR TIPS FROM THE PRINTED BALSA SHEET
WHEEL IS SLIPPED ON PIN BEFORE PIN IS BENT
GLUE WELL
AXLE DETAIL
NOSE-PIECE
CUT OUT TO REDUCE WEIGHT
WINGTIPS ARE 1-3/8" HIGHER THAN AT CENTER OF WING. THIS GIVES THE WING DIHEDRAL, WHICH MAKES THE PLANE A STABLE FLIER.
ENTIRE WING NOT SHOWN
3/4" WHEEL
INSERT SHAFT THRU BUTTON & PROP. BEND SHAFT AND CEMENT
SAND FRONT OF MOTOR STICK AS SHOWN IN SIDE VIEW
LANDING GEAR STRUTS ARE GLUED TO NOSEPIECE BEFORE CEMENTING TO MOTOR STICK.
THRUST BUTTON
FRONT END DETAIL
THRUST BUTTON CONSTRUCTION
NOTE: FOR BETTER FLIGHTS, THE TRAILING EDGE OF THE LEFT WING PANEL SHOULD BE WARPED DOWN SLIGHTLY AT THE TIP, AND THE RUDDER SHOULD BE TURNED AS SHOWN IN TOP VIEW. THIS ADJUSTMENT ALSO COUNTERACTS TORQUE OF PROPELLER.
PHANTOM FLASH R.O.G.
WINGSPAN 16" | LENGTH 11-1/4"
DRAWN BY Joe Kreider | KIT NO. A1