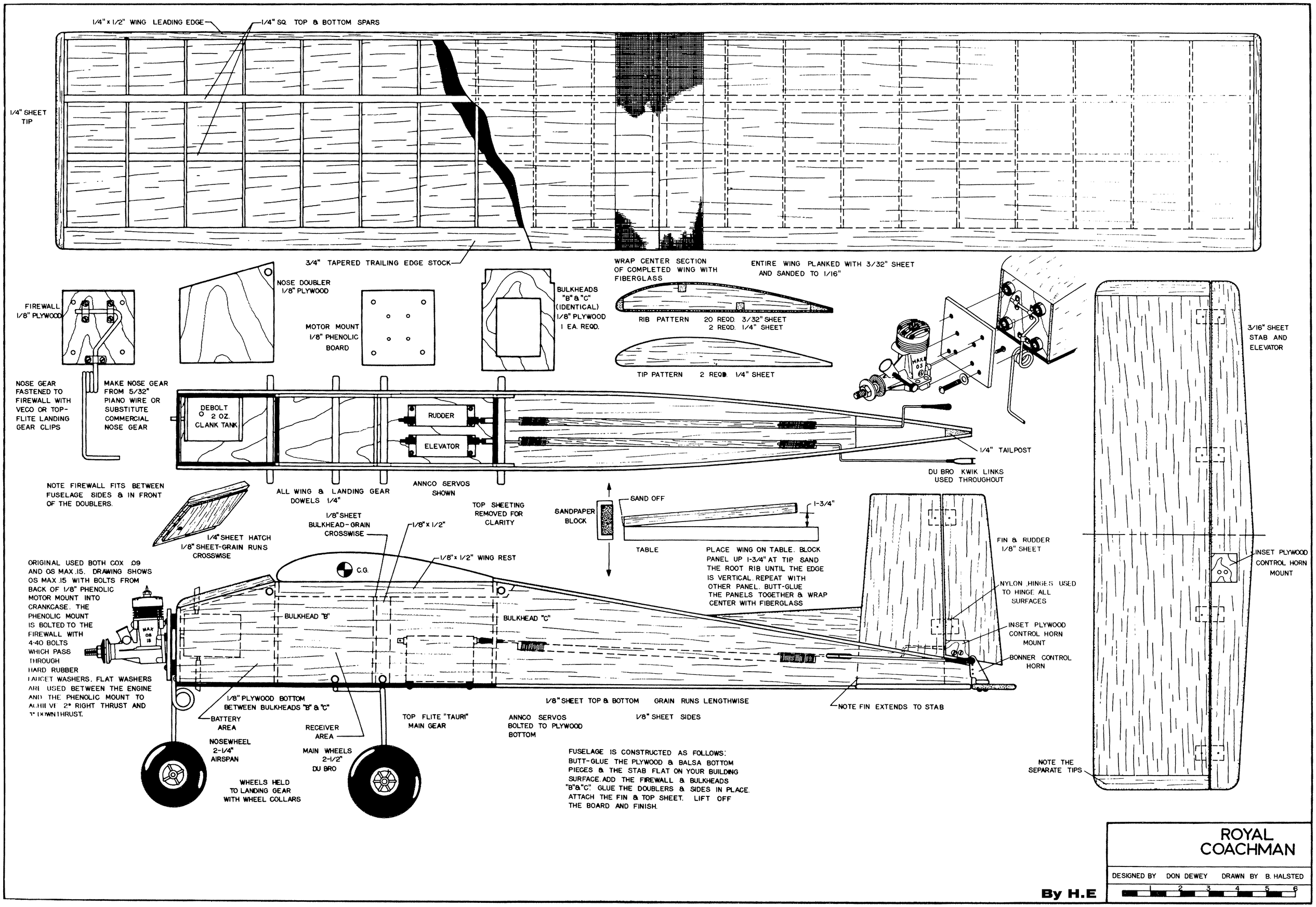
1/4" x 1/2" WING LEADING EDGE
1/4" SQ. TOP & BOTTOM SPARS
1/4" SHEET TIP
3/4" TAPERED TRAILING EDGE STOCK
WRAP CENTER SECTION OF COMPLETED WING WITH FIBERGLASS
ENTIRE WING PLANKED WITH 3/32" SHEET AND SANDED TO 1/16"
FIREWALL 1/8" PLYWOOD
NOSE DOUBLER 1/8" PLYWOOD
MOTOR MOUNT 1/8" PHENOLIC BOARD
BULKHEADS "B" & "C" (IDENTICAL) 1/8" PLYWOOD 1 EA. REQD.
RIB PATTERN 20 REQD. 3/32" SHEET 2 REQD. 1/4" SHEET
TIP PATTERN 2 REQD. 1/4" SHEET
3/16" SHEET STAB AND ELEVATOR
NOSE GEAR FASTENED TO FIREWALL WITH VECO OR TOP-FLITE LANDING GEAR CLIPS
MAKE NOSE GEAR FROM 5/32" PIANO WIRE OR SUBSTITUTE COMMERCIAL NOSE GEAR
DEBOLT 2 OZ. CLANK TANK
RUDDER
ELEVATOR
1/4" TAILPOST
DU BRO KWIK LINKS USED THROUGHOUT
NOTE FIREWALL FITS BETWEEN FUSELAGE SIDES & IN FRONT OF THE DOUBLERS.
ALL WING & LANDING GEAR DOWELS 1/4"
ANNCO SERVOS SHOWN
TOP SHEETING REMOVED FOR CLARITY
SANDPAPER BLOCK
SAND OFF
1-3/4"
TABLE
PLACE WING ON TABLE. BLOCK PANEL UP 1-3/4" AT TIP. SAND THE ROOT RIB UNTIL THE EDGE IS VERTICAL. REPEAT WITH OTHER PANEL. BUTT-GLUE THE PANELS TOGETHER & WRAP CENTER WITH FIBERGLASS
1/4" SHEET HATCH 1/8" SHEET-GRAIN RUNS CROSSWISE
1/8" SHEET BULKHEAD-GRAIN CROSSWISE
1/8" x 1/2"
1/8" x 1/2" WING REST
C.G.
FIN & RUDDER 1/8" SHEET
INSET PLYWOOD CONTROL HORN MOUNT
ORIGINAL USED BOTH COX .09 AND OS MAX .15. DRAWING SHOWS OS MAX .15 WITH BOLTS FROM BACK OF 1/8" PHENOLIC MOTOR MOUNT INTO CRANKCASE. THE PHENOLIC MOUNT IS BOLTED TO THE FIREWALL WITH 4-40 BOLTS WHICH PASS THROUGH HARD RUBBER FAUCET WASHERS. FLAT WASHERS ARE USED BETWEEN THE ENGINE AND THE PHENOLIC MOUNT TO ACHIEVE 2° RIGHT THRUST AND 1° DOWNTHRUST.
BULKHEAD "B"
BULKHEAD "C"
NYLON HINGES USED TO HINGE ALL SURFACES
INSET PLYWOOD CONTROL HORN MOUNT
BONNER CONTROL HORN
1/8" PLYWOOD BOTTOM BETWEEN BULKHEADS "B" & "C"
1/8" SHEET TOP & BOTTOM GRAIN RUNS LENGTHWISE
NOTE FIN EXTENDS TO STAB
BATTERY AREA
RECEIVER AREA
TOP FLITE "TAURI" MAIN GEAR
ANNCO SERVOS BOLTED TO PLYWOOD BOTTOM
1/8" SHEET SIDES
NOSEWHEEL 2-1/4" AIRSPAN
MAIN WHEELS 2-1/2" DU BRO
WHEELS HELD TO LANDING GEAR WITH WHEEL COLLARS
FUSELAGE IS CONSTRUCTED AS FOLLOWS: BUTT-GLUE THE PLYWOOD & BALSA BOTTOM PIECES & THE STAB FLAT ON YOUR BUILDING SURFACE. ADD THE FIREWALL & BULKHEADS "B" & "C". GLUE THE DOUBLERS & SIDES IN PLACE. ATTACH THE FIN & TOP SHEET. LIFT OFF THE BOARD AND FINISH.
NOTE THE SEPARATE TIPS
ROYAL COACHMAN
DESIGNED BY DON DEWEY
DRAWN BY B. HALSTED
1 2 3 4 5 6
By H.E