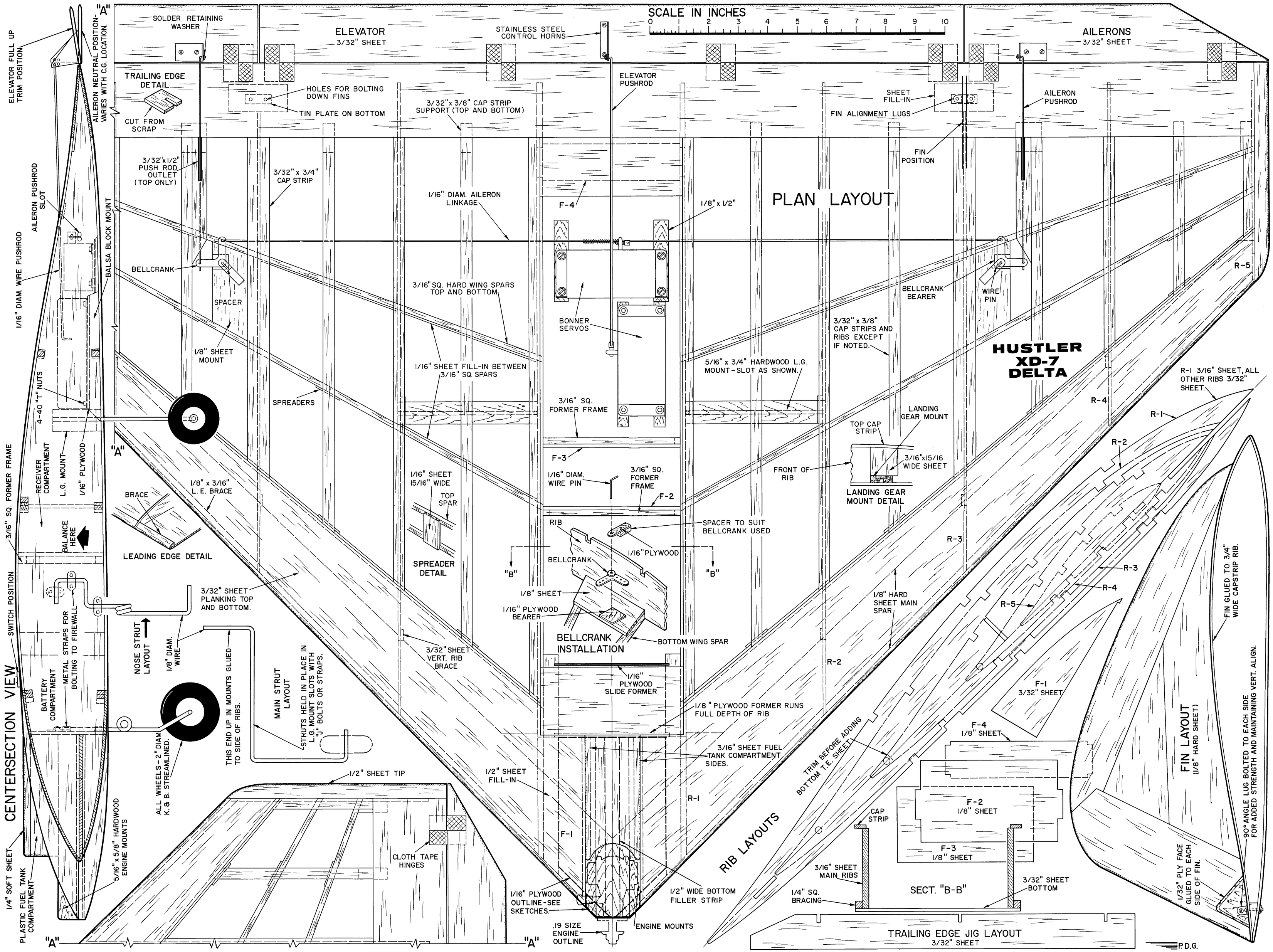
PLAN LAYOUT
HUSTLER XD-7 DELTA
SCALE IN INCHES
0 1 2 3 4 5 6 7 8 9 10
ELEVATOR 3/32" SHEET
AILERONS 3/32" SHEET
SOLDER RETAINING WASHER
STAINLESS STEEL CONTROL HORNS
ELEVATOR PUSHROD
AILERON PUSHROD
TRAILING EDGE DETAIL
CUT FROM SCRAP
HOLES FOR BOLTING DOWN FINS
TIN PLATE ON BOTTOM
3/32"x3/8" CAP STRIP SUPPORT (TOP AND BOTTOM)
SHEET FILL-IN
FIN ALIGNMENT LUGS
FIN POSITION
3/32"x1/2" PUSH ROD OUTLET (TOP ONLY)
3/32" x 3/4" CAP STRIP
1/16" DIAM. AILERON LINKAGE
1/8"x1/2"
F-4
BELLCRANK
SPACER
1/8" SHEET MOUNT
3/16" SQ. HARD WING SPARS TOP AND BOTTOM
BONNER SERVOS
1/16" SHEET FILL-IN BETWEEN 3/16" SQ. SPARS
SPREADERS
3/16" SQ. FORMER FRAME
F-3
1/16" DIAM. WIRE PIN
3/16" SQ. FORMER FRAME
F-2
BELLCRANK BEARER
WIRE PIN
3/32" x 3/8" CAP STRIPS AND RIBS EXCEPT IF NOTED.
5/16" x 3/4" HARDWOOD L.G. MOUNT-SLOT AS SHOWN.
LANDING GEAR MOUNT
TOP CAP STRIP
3/16"x15/16 WIDE SHEET
FRONT OF RIB
LANDING GEAR MOUNT DETAIL
1/16" SHEET 15/16" WIDE
TOP SPAR
SPREADER DETAIL
1/8" x 3/16" L. E. BRACE
BRACE
LEADING EDGE DETAIL
RIB
SPACER TO SUIT BELLCRANK USED
1/16"PLYWOOD
BELLCRANK
"B"
"B"
1/8" SHEET
1/16" PLYWOOD BEARER
BELLCRANK INSTALLATION
BOTTOM WING SPAR
3/32" SHEET VERT. RIB BRACE
1/8" HARD SHEET MAIN SPAR
3/32" SHEET PLANKING TOP AND BOTTOM.
NOSE STRUT LAYOUT
1/8" DIAM. WIRE
THIS END UP IN MOUNTS GLUED TO SIDE OF RIBS.
MAIN STRUT LAYOUT
STRUTS HELD IN PLACE IN L.G. MOUNT SLOTS WITH "U" BOLTS OR STRAPS.
1/16" PLYWOOD SLIDE FORMER
1/8" PLYWOOD FORMER RUNS FULL DEPTH OF RIB
3/16" SHEET FUEL TANK COMPARTMENT SIDES.
1/2" SHEET FILL-IN
1/2" SHEET TIP
ALL WHEELS-2" DIAM K. & B. STREAMLINED.
CLOTH TAPE HINGES
1/16" PLYWOOD OUTLINE-SEE SKETCHES.
.19 SIZE ENGINE OUTLINE
ENGINE MOUNTS
1/2" WIDE BOTTOM FILLER STRIP
ELEVATOR FULL UP TRIM POSITION
AILERON NEUTRAL POSITION-VARIES WITH C.G. LOCATION.
AILERON PUSHROD SLOT
1/16" DIAM. WIRE PUSHROD
BALSA BLOCK MOUNT
4-40 "T" NUTS
3/16" SQ. FORMER FRAME
RECEIVER COMPARTMENT
L.G. MOUNT
1/16" PLYWOOD
BALANCE HERE
SWITCH POSITION
METAL STRAPS FOR BOLTING TO FIREWALL
BATTERY COMPARTMENT
1/4" SOFT SHEET
PLASTIC FUEL TANK COMPARTMENT
5/16" x 5/8" HARDWOOD ENGINE MOUNTS
CENTERSECTION VIEW
"A"
"A"
"A"
"A"
R-1
R-2
R-3
R-4
R-5
R-1 3/16" SHEET, ALL OTHER RIBS 3/32" SHEET.
FIN GLUED TO 3/4" WIDE CAPSTRIP RIB.
F-1 3/32" SHEET
FIN LAYOUT (1/8" HARD SHEET)
90° ANGLE LUG BOLTED TO EACH SIDE FOR ADDED STRENGTH AND MAINTAINING VERT. ALIGN.
1/32" PLY FACE GLUED TO EACH SIDE OF FIN.
TRIM BEFORE ADDING BOTTOM T.E. SHEET
F-4 1/8" SHEET
F-2 1/8" SHEET
F-3 1/8" SHEET
RIB LAYOUTS
CAP STRIP
3/16" SHEET MAIN RIBS
1/4" SQ. BRACING
SECT. "B-B"
3/32" SHEET BOTTOM
TRAILING EDGE JIG LAYOUT 3/32" SHEET
P.D.G.