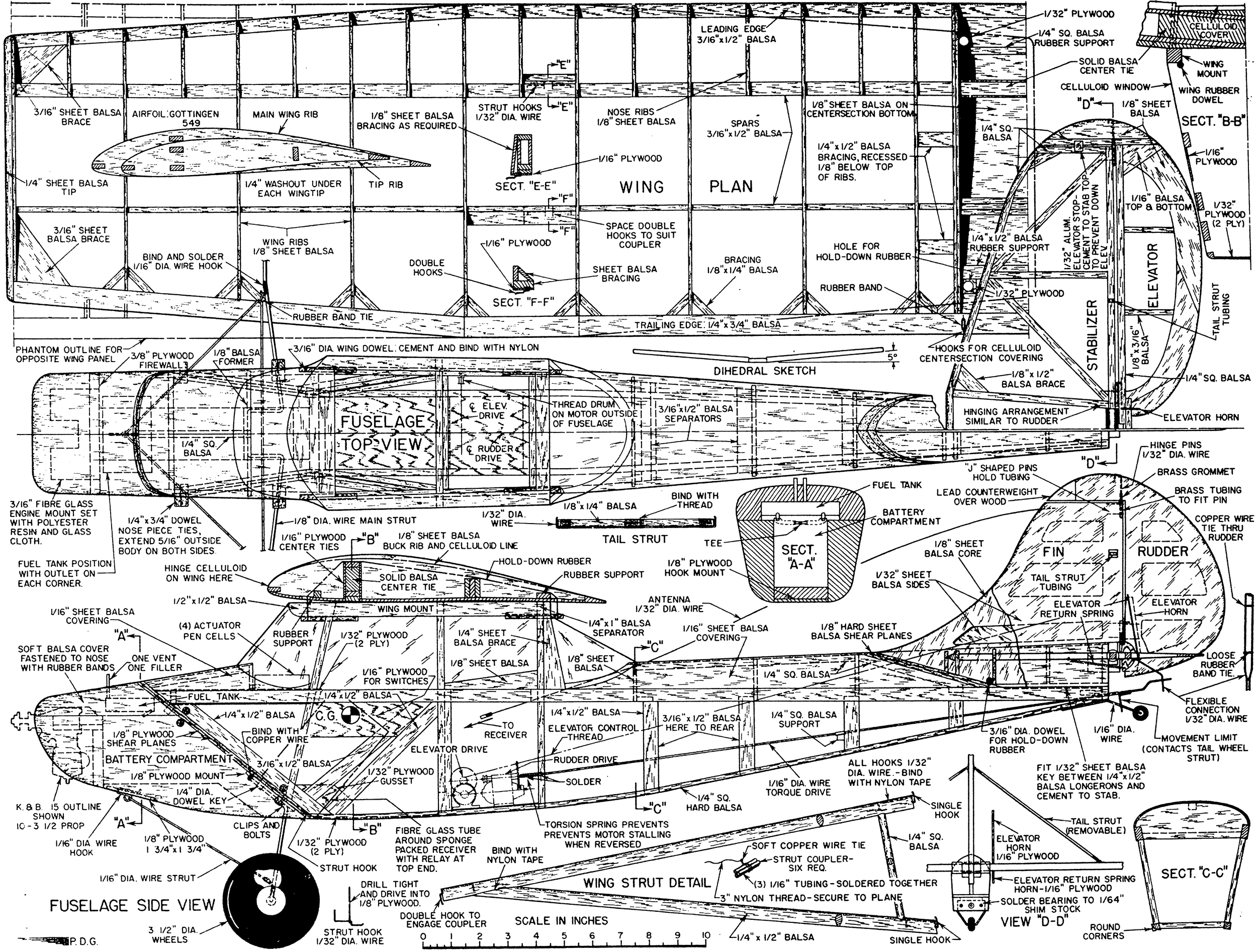
3/16" SHEET BALSA BRACE
AIRFOIL: GOTTINGEN 549
MAIN WING RIB
1/8" SHEET BALSA BRACING AS REQUIRED
STRUT HOOKS 1/32" DIA. WIRE
"E"
NOSE RIBS 1/8" SHEET BALSA
LEADING EDGE 3/16"x1/2" BALSA
SPARS 3/16"x1/2" BALSA
1/8" SHEET BALSA ON CENTERSECTION BOTTOM
1/4" SQ. BALSA
1/4"x1/2" BALSA BRACING, RECESSED 1/8" BELOW TOP OF RIBS.
1/32" PLYWOOD
1/4" SQ. BALSA RUBBER SUPPORT
SOLID BALSA CENTER TIE
CELLULOID COVER
WING MOUNT
CELLULOID WINDOW
WING RUBBER DOWEL
"D"
1/8" SHEET BALSA
SECT. "B-B"
1/16" PLYWOOD
1/4" SHEET BALSA TIP
1/4" WASHOUT UNDER EACH WINGTIP
TIP RIB
SECT. "E-E"
WING
PLAN
1/16" PLYWOOD
"F"
SPACE DOUBLE HOOKS TO SUIT COUPLER
1/16" BALSA TOP & BOTTOM
1/32" PLYWOOD (2 PLY)
3/16" SHEET BALSA BRACE
WING RIBS 1/8" SHEET BALSA
BIND AND SOLDER 1/16" DIA. WIRE HOOK
DOUBLE HOOKS
1/16" PLYWOOD
SHEET BALSA BRACING
SECT. "F-F"
BRACING 1/8"x1/4" BALSA
HOLE FOR HOLD-DOWN RUBBER
1/4"x1/2" BALSA RUBBER SUPPORT
1/32" ALUM. ELEVATOR STOP-CEMENT TO STAB TOP TO PREVENT DOWN ELEV.
ELEVATOR
RUBBER BAND
1/32" PLYWOOD
STABILIZER
TAIL STRUT TUBING
RUBBER BAND TIE
TRAILING EDGE: 1/4"x3/4" BALSA
PHANTOM OUTLINE FOR OPPOSITE WING PANEL
3/8" PLYWOOD FIREWALL
1/8" BALSA FORMER
3/16" DIA. WING DOWEL. CEMENT AND BIND WITH NYLON
DIHEDRAL SKETCH
5°
HOOKS FOR CELLULOID CENTERSECTION COVERING
1/8"x3/16" BALSA
1/8"x1/2" BALSA BRACE
1/4" SQ. BALSA
FUSELAGE TOP VIEW
℄ ELEV. DRIVE
℄ RUDDER DRIVE
THREAD DRUM ON MOTOR OUTSIDE OF FUSELAGE
3/16"x1/2" BALSA SEPARATORS
HINGING ARRANGEMENT SIMILAR TO RUDDER
ELEVATOR HORN
1/4" SQ. BALSA
HINGE PINS 1/32" DIA. WIRE
"J" SHAPED PINS HOLD TUBING
BRASS GROMMET
LEAD COUNTERWEIGHT OVER WOOD
BRASS TUBING TO FIT PIN
3/16" FIBRE GLASS ENGINE MOUNT SET WITH POLYESTER RESIN AND GLASS CLOTH.
1/4"x3/4" DOWEL NOSE PIECE TIES, EXTEND 5/16" OUTSIDE BODY ON BOTH SIDES.
1/8" DIA. WIRE MAIN STRUT
1/32" DIA. WIRE
1/8"x1/4" BALSA
BIND WITH THREAD
TAIL STRUT
FUEL TANK
BATTERY COMPARTMENT
TEE
SECT. "A-A"
COPPER WIRE TIE THRU RUDDER
1/16" PLYWOOD CENTER TIES
"B"
1/8" SHEET BALSA BUCK RIB AND CELLULOID LINE
HOLD-DOWN RUBBER
RUBBER SUPPORT
1/8" PLYWOOD HOOK MOUNT
1/8" SHEET BALSA CORE
FIN
RUDDER
FUEL TANK POSITION WITH OUTLET ON EACH CORNER.
HINGE CELLULOID ON WING HERE
SOLID BALSA CENTER TIE
1/32" SHEET BALSA SIDES
TAIL STRUT TUBING
1/2"x1/2" BALSA
WING MOUNT
ANTENNA 1/32" DIA. WIRE
ELEVATOR RETURN SPRING
ELEVATOR HORN
1/16" SHEET BALSA COVERING
(4) ACTUATOR PEN CELLS
RUBBER SUPPORT
1/32" PLYWOOD (2 PLY)
1/4" SHEET BALSA BRACE
1/4"x1" BALSA SEPARATOR
1/16" SHEET BALSA COVERING
1/8" HARD SHEET BALSA SHEAR PLANES
"A"
"C"
SOFT BALSA COVER FASTENED TO NOSE WITH RUBBER BANDS
ONE VENT ONE FILLER
1/8" SHEET BALSA
1/8" SHEET BALSA
1/16" PLYWOOD FOR SWITCHES
1/4" SQ. BALSA
LOOSE RUBBER BAND TIE.
FUEL TANK
1/4"x1/2" BALSA
1/4"x1/2" BALSA
C.G.
TO RECEIVER
1/4"x1/2" BALSA
3/16"x1/2" BALSA HERE TO REAR
1/4" SQ. BALSA SUPPORT
FLEXIBLE CONNECTION 1/32" DIA. WIRE
1/8" PLYWOOD SHEAR PLANES
BIND WITH COPPER WIRE
ELEVATOR CONTROL THREAD
3/16" DIA. DOWEL FOR HOLD-DOWN RUBBER
1/16" DIA. WIRE
MOVEMENT LIMIT (CONTACTS TAIL WHEEL STRUT)
BATTERY COMPARTMENT
3/16"x1/2" BALSA
ELEVATOR DRIVE
RUDDER DRIVE
1/32" PLYWOOD GUSSET
SOLDER
ALL HOOKS 1/32" DIA. WIRE.-BIND WITH NYLON TAPE
FIT 1/32" SHEET BALSA KEY BETWEEN 1/4"x1/2" BALSA LONGERONS AND CEMENT TO STAB.
1/8" PLYWOOD MOUNT
1/4" DIA. DOWEL KEY
1/16" DIA. WIRE TORQUE DRIVE
1/4" SQ. HARD BALSA
"C"
SINGLE HOOK
K. & B. 15 OUTLINE SHOWN 10-3 1/2 PROP
"A"
CLIPS AND BOLTS
"B"
TORSION SPRING PREVENTS PREVENTS MOTOR STALLING WHEN REVERSED
TAIL STRUT (REMOVABLE)
1/16" DIA. WIRE HOOK
1/8" PLYWOOD 1 3/4"x1 3/4"
1/32" PLYWOOD (2 PLY)
FIBRE GLASS TUBE AROUND SPONGE PACKED RECEIVER WITH RELAY AT TOP END.
BIND WITH NYLON TAPE
1/4" SQ. BALSA
ELEVATOR HORN 1/16" PLYWOOD
SOFT COPPER WIRE TIE
STRUT COUPLER-SIX REQ.
1/16" DIA. WIRE STRUT
STRUT HOOK
WING STRUT DETAIL
(3) 1/16" TUBING-SOLDERED TOGETHER
3" NYLON THREAD-SECURE TO PLANE
ELEVATOR RETURN SPRING HORN-1/16" PLYWOOD
SOLDER BEARING TO 1/64" SHIM STOCK
SECT. "C-C"
DRILL TIGHT AND DRIVE INTO 1/8" PLYWOOD.
FUSELAGE SIDE VIEW
DOUBLE HOOK TO ENGAGE COUPLER
SCALE IN INCHES
0 1 2 3 4 5 6 7 8 9 10
1/4"x1/2" BALSA
SINGLE HOOK
VIEW "D-D"
3 1/2" DIA. WHEELS
STRUT HOOK 1/32" DIA. WIRE
ROUND CORNERS
P. D. G.