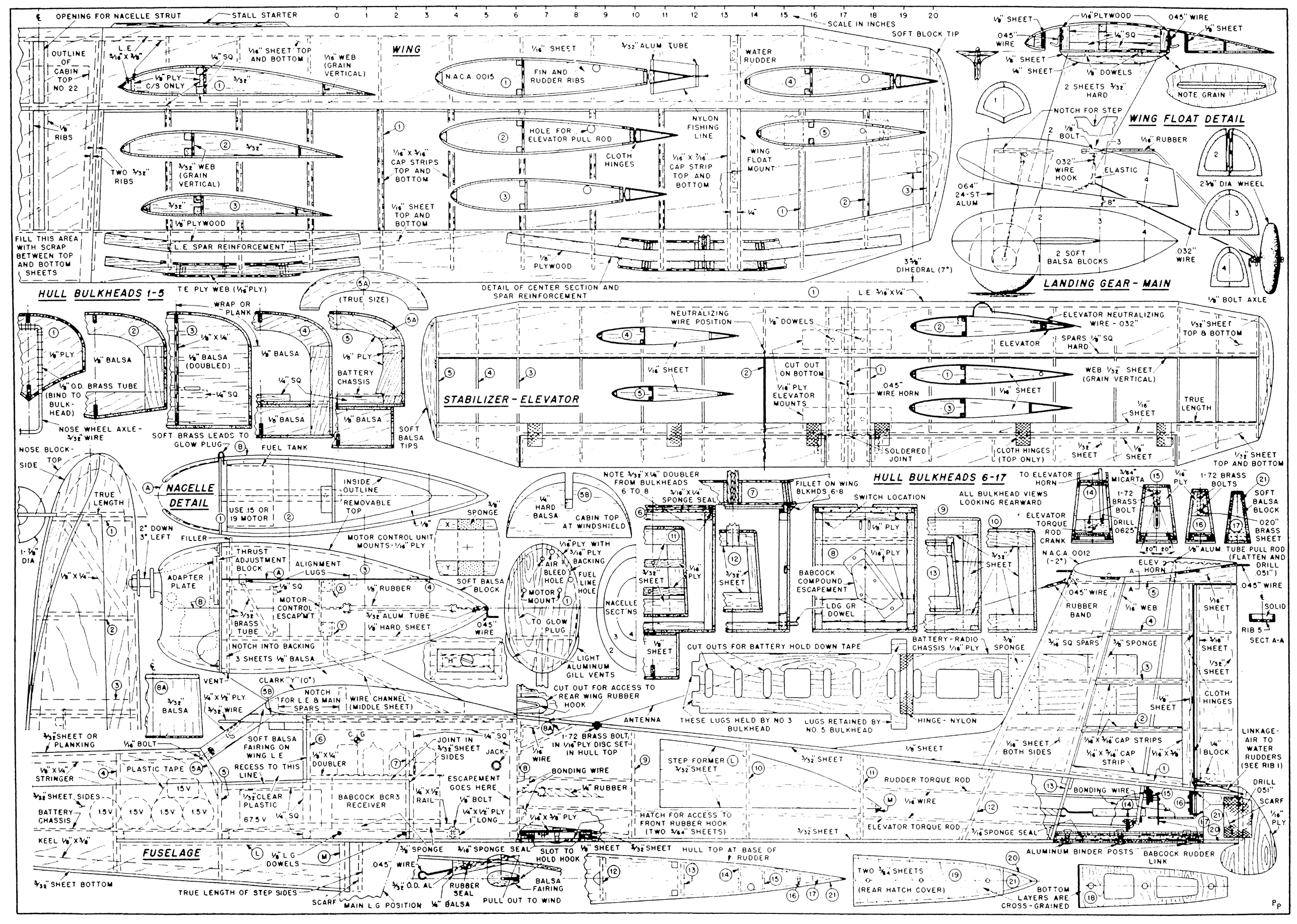
WING
OPENING FOR NACELLE STRUT
STALL STARTER
SCALE IN INCHES
SOFT BLOCK TIP
OUTLINE OF CABIN TOP NO 22
L.E. 3/16" X 3/8"
1/4" SQ
1/16" SHEET TOP AND BOTTOM
1/16" WEB (GRAIN VERTICAL)
1/8" PLY C/S ONLY
3/32"
N.A.C.A. 0015
FIN AND RUDDER RIBS
1/16" SHEET
3/32" ALUM TUBE
WATER RUDDER
1/8" RIBS
TWO 3/32" RIBS
3/32" WEB (GRAIN VERTICAL)
HOLE FOR ELEVATOR PULL ROD
NYLON FISHING LINE
CLOTH HINGES
1/16" X 3/16" CAP STRIPS TOP AND BOTTOM
1/16" X 3/16" CAP STRIP TOP AND BOTTOM
WING FLOAT MOUNT
1/16" SHEET TOP AND BOTTOM
1/8" PLYWOOD
FILL THIS AREA WITH SCRAP BETWEEN TOP AND BOTTOM SHEETS
L.E. SPAR REINFORCEMENT
1/8" PLYWOOD
3 3/8" DIHEDRAL (7°)
DETAIL OF CENTER SECTION AND SPAR REINFORCEMENT
1/8" SHEET
1/16" PLYWOOD
045" WIRE
1/8" SHEET
1/4" SQ
1/8" DOWELS
2 SHEETS 3/32" HARD
NOTE GRAIN
WING FLOAT DETAIL
NOTCH FOR STEP
1/8" BOLT
1/16" RUBBER
032" WIRE HOOK
ELASTIC
064" 24-ST ALUM
8°
2 SOFT BALSA BLOCKS
032" WIRE
2 3/8" DIA WHEEL
LANDING GEAR - MAIN
1/8" BOLT AXLE
HULL BULKHEADS 1-5
TE PLY WEB (1/16" PLY)
WRAP OR PLANK
(TRUE SIZE)
1/8" PLY
1/8" BALSA
1/8" O.D. BRASS TUBE (BIND TO BULKHEAD)
1/8" X 1/4"
1/8" BALSA (DOUBLED)
1/4" SQ
1/8" BALSA
1/4" SQ
1/8" PLY
BATTERY CHASSIS
1/8" BALSA
1/8" BALSA
SOFT BALSA TIPS
NOSE WHEEL AXLE - 3/32" WIRE
SOFT BRASS LEADS TO GLOW PLUG
FUEL TANK
STABILIZER - ELEVATOR
NEUTRALIZING WIRE POSITION
1/8" DOWELS
ELEVATOR NEUTRALIZING WIRE - 032"
ELEVATOR
SPARS 1/8" SQ HARD
1/32" SHEET TOP & BOTTOM
1/16" SHEET
CUT OUT ON BOTTOM
1/16" PLY ELEVATOR MOUNTS
.045" WIRE HORN
1/16" SHEET
WEB 1/32" SHEET (GRAIN VERTICAL)
1/16" SHEET
TRUE LENGTH
SOLDERED JOINT
CLOTH HINGES (TOP ONLY)
1/32" SHEET
1/8" SHEET
1/32" SHEET TOP AND BOTTOM
NOSE BLOCK - TOP
SIDE
TRUE LENGTH
NACELLE DETAIL
INSIDE OUTLINE
REMOVABLE TOP
USE 15 OR 19 MOTOR
3/8" SPONGE
2° DOWN 3° LEFT
FILLER
MOTOR CONTROL UNIT MOUNTS - 1/16" PLY
1-7/8" DIA
THRUST ADJUSTMENT BLOCK
ALIGNMENT LUGS
ADAPTER PLATE
1/8" X 1/4"
1/8" SQ
1/8" RUBBER
SOFT BALSA BLOCK
MOTOR CONTROL ESCAP'M'T
3/32" BRASS TUBE
3/32" ALUM. TUBE
1/8" HARD SHEET
045" WIRE
NOTCH INTO BACKING
3 SHEETS 1/8" BALSA
VENT
CLARK "Y" (0°)
1/4" X 1/2" PLY
3/32" WIRE
NOTCH FOR L.E. & MAIN SPARS
WIRE CHANNEL (MIDDLE SHEET)
3/32" BALSA
3/32" SHEET OR PLANKING
1/16" BOLT
SOFT BALSA FAIRING ON WING L.E.
RECESS TO THIS LINE
1/8" X 1/4" STRINGER
PLASTIC TAPE
1/8" X 1/4" DOUBLER
JOINT IN 3/32" SHEET SIDES
1/4" SQ
JACK
3/32" SHEET SIDES
BATTERY CHASSIS
1.5 V
1/32" CLEAR PLASTIC
67.5 V
1/4" SQ
BABCOCK BCR3 RECEIVER
1/4" X 1/2" RAIL
ESCAPEMENT GOES HERE
1/8" BOLT
1/4" X 1/2" PLY 1" LONG
KEEL 1/8" X 3/8"
FUSELAGE
1/8" LG DOWELS
3/32" SHEET BOTTOM
TRUE LENGTH OF STEP SIDES
SCARF
MAIN L.G. POSITION
3/8" SPONGE
3/16" SPONGE SEAL
045" WIRE
3/32" O.D. AL
RUBBER SEAL
1/4" BALSA
BALSA FAIRING
PULL OUT TO WIND
SLOT TO HOLD HOOK
1/8" SHEET
3/32" SHEET
HULL TOP AT BASE OF RUDDER
1/4" HARD BALSA
CABIN TOP AT WINDSHIELD
1/16" PLY WITH 3/16" PLY BACKING
AIR BLEED HOLE
FUEL LINE HOLE
MOTOR MOUNT
TO GLOW PLUG
NACELLE SECT'NS
LIGHT ALUMINUM GILL VENTS
CUT OUT FOR ACCESS TO REAR WING RUBBER HOOK
ANTENNA
1-72 BRASS BOLT IN 1/16" PLY DISC SET IN HULL TOP
1/16" WIRE
BONDING WIRE
1/4" RUBBER
HATCH FOR ACCESS TO FRONT RUBBER HOOK (TWO 3/64" SHEETS)
STEP FORMER 3/32" SHEET
3/32" SHEET
RUDDER TORQUE ROD
1/16" WIRE
ELEVATOR TORQUE ROD
3/16" SPONGE SEAL
HULL BULKHEADS 6-17
NOTE 3/32" X 1/4" DOUBLER FROM BULKHEADS 6 TO 8
3/16" X 1/4" SPONGE SEAL
FILLET ON WING BLKHDS 6-8
SWITCH LOCATION
1/8" PLY
1/16" PLY
BABCOCK COMPOUND ESCAPEMENT
LDG GR DOWEL
3/32" SHEET
1/16" PLY
3/32" SHEET
1/8" SHEET
CUT OUTS FOR BATTERY HOLD DOWN TAPE
BATTERY - RADIO CHASSIS 1/16" PLY
3/8" SPONGE
THESE LUGS HELD BY NO 3 BULKHEAD
LUGS RETAINED BY NO. 5 BULKHEAD
HINGE - NYLON
ALL BULKHEAD VIEWS LOOKING REARWARD
TO ELEVATOR HORN
3/64" MICARTA
1/16" PLY
1-72 BRASS BOLTS
SOFT BALSA BLOCK
1-72 BRASS BOLT
DRILL .0625
020" BRASS SHEET
ELEVATOR TORQUE ROD CRANK
20°
20°
NACA 0012 (-2°)
1/8" ALUM. TUBE PULL ROD (FLATTEN AND DRILL .051")
ELEV HORN
045" WIRE
045" WIRE
RUBBER BAND
1/16" WEB
1/16" SHEET
SOLID
RIB 5
SECT A-A
3/16" SQ SPARS
3/8" SPONGE
3/16" SHEET
1/32" SHEET
CLOTH HINGES
1/8" SHEET
1/8" SHEET
1/8" SHEET BOTH SIDES
1/16" X 3/16" CAP STRIPS
1/16" X 3/16" CAP STRIP
1/16" X 3/8"
1/4" BLOCK
LINKAGE - AIR TO WATER RUDDERS (SEE RIB 1)
DRILL .051"
SCARF
1/16" PLY
BONDING WIRE
ALUMINUM BINDER POSTS
BABCOCK RUDDER LINK
TWO 3/64" SHEETS (REAR HATCH COVER)
BOTTOM LAYERS ARE CROSS-GRAINED

PP