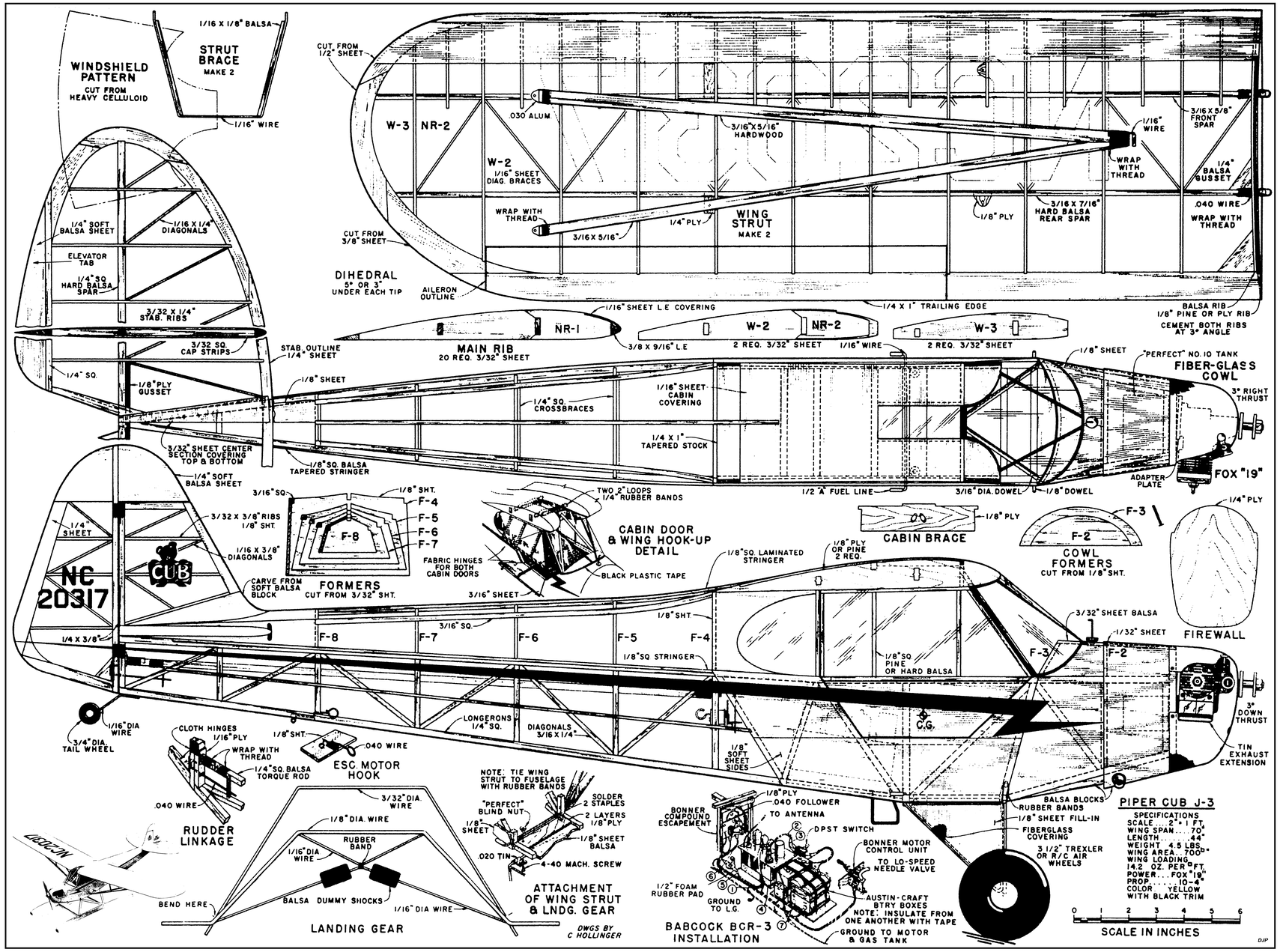
WINDSHIELD PATTERN
CUT FROM HEAVY CELLULOID
STRUT BRACE
MAKE 2
1/16 X 1/8" BALSA
1/16" WIRE
CUT FROM 1/2" SHEET
W-3
NR-2
W-2
1/16" SHEET DIAG. BRACES
.030 ALUM
3/16"X5/16" HARDWOOD
1/16" WIRE
3/16 X 5/8" FRONT SPAR
WRAP WITH THREAD
1/4" BALSA GUSSET
WRAP WITH THREAD
1/4" PLY
WING STRUT
MAKE 2
3/16 X 5/16"
1/8" PLY
3/16 X 7/16" HARD BALSA REAR SPAR
.040 WIRE
WRAP WITH THREAD
CUT FROM 3/8" SHEET
DIHEDRAL
5° OR 3° UNDER EACH TIP
AILERON OUTLINE
1/4" SOFT BALSA SHEET
1/16 X 1/4" DIAGONALS
ELEVATOR TAB
1/4" SQ HARD BALSA SPAR
3/32 X 1/4" STAB. RIBS
3/32 SQ. CAP STRIPS
STAB. OUTLINE 1/4" SHEET
1/16" SHEET L.E COVERING
1/4 X 1" TRAILING EDGE
BALSA RIB
1/8" PINE OR PLY RIB
CEMENT BOTH RIBS AT 3° ANGLE
NR-1
MAIN RIB
20 REQ. 3/32" SHEET
3/8 X 9/16" L.E
W-2
2 REQ. 3/32" SHEET
NR-2
1/16" WIRE
W-3
2 REQ. 3/32" SHEET
1/4" SQ.
1/8" PLY GUSSET
1/8" SHEET
1/4" SQ. CROSSBRACES
1/16" SHEET CABIN COVERING
1/4 X 1" TAPERED STOCK
1/8" SHEET
"PERFECT" NO. 10 TANK
FIBER-GLASS COWL
3° RIGHT THRUST
3/32" SHEET CENTER SECTION COVERING TOP & BOTTOM
1/8" SQ. BALSA TAPERED STRINGER
1/4" SOFT BALSA SHEET
1/2 A" FUEL LINE
3/16" DIA. DOWEL
1/8" DOWEL
ADAPTER PLATE
FOX "19"
3/16" SQ.
1/8" SHT.
F-4
F-5
F-6
F-7
F-8
FORMERS
CUT FROM 3/32" SHT.
3/32 X 3/8" RIBS
1/8" SHT.
1/16 X 3/8" DIAGONALS
CARVE FROM SOFT BALSA BLOCK
1/4" SHEET
NC 20317
CUB
TWO 2" LOOPS
1/4" RUBBER BANDS
FABRIC HINGES FOR BOTH CABIN DOORS
BLACK PLASTIC TAPE
CABIN DOOR & WING HOOK-UP DETAIL
3/16" SHEET
1/8" SQ. LAMINATED STRINGER
1/8" PLY
CABIN BRACE
1/8" PLY OR PINE 2 REQ.
F-3
F-2
COWL FORMERS
CUT FROM 1/8" SHT.
1/4" PLY
FIREWALL
1/8" SHT.
3/32" SHEET BALSA
1/32" SHEET
1/4 X 3/8"
F-8
F-7
F-6
F-5
F-4
F-3
F-2
1/8" SQ STRINGER
1/8" SQ PINE OR HARD BALSA
C.G.
3° DOWN THRUST
TIN EXHAUST EXTENSION
1/16" DIA WIRE
3/4" DIA. TAIL WHEEL
CLOTH HINGES
1/16" PLY
WRAP WITH THREAD
1/4" SQ. BALSA TORQUE ROD
.040 WIRE
RUDDER LINKAGE
1/8" SHT.
.040 WIRE
ESC. MOTOR HOOK
LONGERONS 1/4" SQ.
DIAGONALS 3/16 X 1/4"
1/8" SOFT SHEET SIDES
NOTE: TIE WING STRUT TO FUSELAGE WITH RUBBER BANDS
"PERFECT" BLIND NUT
1/8" SHEET
.020 TIN
SOLDER 2 STAPLES
2 LAYERS 1/8" PLY
1/8" SHEET BALSA
4-40 MACH. SCREW
ATTACHMENT OF WING STRUT & LNDG. GEAR
3/32" DIA. WIRE
1/8" DIA. WIRE
RUBBER BAND
1/16" DIA WIRE
BALSA DUMMY SHOCKS
1/16" DIA WIRE
BEND HERE
LANDING GEAR
DWGS BY C HOLLINGER
1/8" PLY
.040 FOLLOWER
TO ANTENNA
BONNER COMPOUND ESCAPEMENT
DPST SWITCH
BONNER MOTOR CONTROL UNIT
TO LO-SPEED NEEDLE VALVE
1/2" FOAM RUBBER PAD
GROUND TO L.G.
AUSTIN-CRAFT BTRY BOXES
NOTE: INSULATE FROM ONE ANOTHER WITH TAPE
GROUND TO MOTOR & GAS TANK
BABCOCK BCR-3 INSTALLATION
BALSA BLOCKS
RUBBER BANDS
1/8" SHEET FILL-IN
FIBERGLASS COVERING
3 1/2" TREXLER OR R/C AIR WHEELS
PIPER CUB J-3
SPECIFICATIONS
SCALE... 2" = 1 FT.
WING SPAN... 70"
LENGTH... 44"
WEIGHT 4.5 LBS.
WING AREA. 700"
WING LOADING
14.2 OZ. PER °FT.
POWER... FOX "19"
PROP... 10-4"
COLOR YELLOW WITH BLACK TRIM
0 1 2 3 4 5 6
SCALE IN INCHES
DJP
REAR STRUT 3/32" DIA. WIRE
FRONT STRUT 1/8" DIA. WIRE
DIAGONAL BRACES 3/32" DIA. WIRE
FLOAT STRUTS
3/16 X 1/2" BASS OR MAPLE CROSSBRACES
℄ AIRPLANE
STRUT CLAMP .020 ALUM. 4 REQ.
FLOAT FORMERS
CUT FROM 3/32" SHT.
NOS. 5,9,&14 FROM 1/8" PLY
3,4,5,6,8
WATER RUDDER LINKAGE
1/16" ALUM. TUBING
METAL CLAMP 2 REQ.
ALL PUSHRODS ARE NO. 2 KNITTING NEEDLES
1/16" BRASS TUBING
BRACKET PATTERN .020 ALUM.
1/2" "X" FUEL LINE UNIVERSAL
3/32" DIA. TUBING
RUBBER BAND
.030 WIRE
BLIND NUT
1/8 X 3/8" PINE
.020 DIA. WIRE
BEVEL 1/8 X 3/16" STRIP
FIBER-GLASS 1/8" PLY
CROSS SECTION
SPRAY STRIP
WRAP & SOLDER
.020 SHIM STOCK
SOLDER
STEERABLE WATER RUDDER
1/16" X 3/8" PINE
1/16" PLX MICARTA OR 1/16" DIA BRASS TUBING
1/2" FOAM RUBBER
TO ANTENNA
PLASTIC BAG
1/2" "X" FUEL LINE RESTRAINER
BABCOCK BCR-3 SEAPLANE INSTALLATION
PIPER CUB J-3 SEMI-SCALE FLOATS
SCALE 2" = 1 FT.
FLOATING CAPACITY 3 TO 4.5 LBS.
SCALE IN INCHES
DESIGNED & DRAWN BY C. HOLLINGER
TOP & SIDES 3/32" SHT. BALSA
SIDE PATTERN OUTLINE CUT OUT 4
CARVE FROM BALSA BLOCK
FIBER-GLASS COVERING