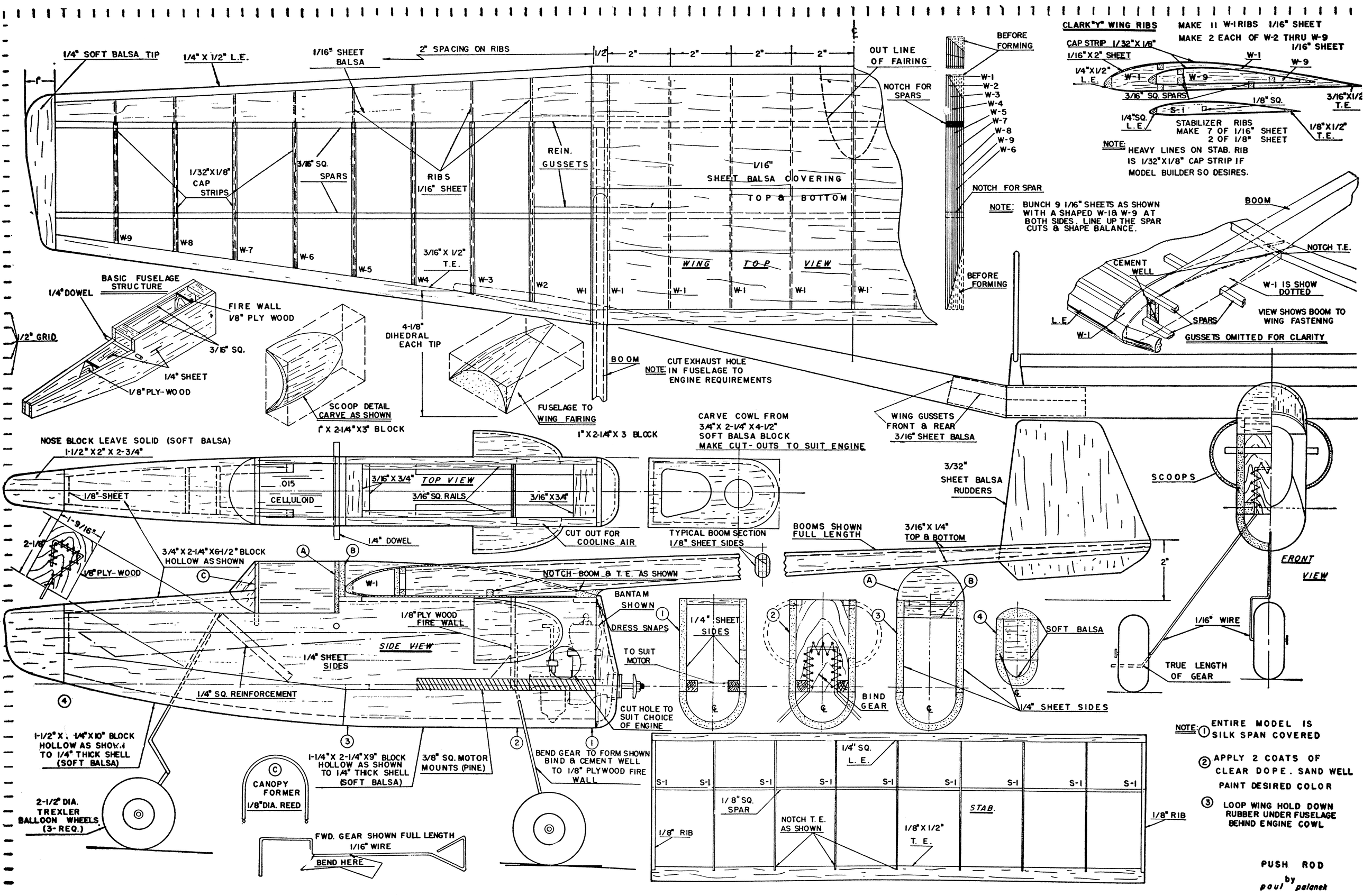
1/4" SOFT BALSA TIP
1/4" X 1/2" L.E.
1/16" SHEET BALSA
2" SPACING ON RIBS
1/2
2"
OUT LINE OF FAIRING
NOTCH FOR SPARS
BEFORE FORMING
W-1
W-2
W-3
W-4
W-5
W-7
W-8
W-9
W-6
NOTCH FOR SPAR
NOTE: BUNCH 9 1/16" SHEETS AS SHOWN WITH A SHAPED W-1 & W-9 AT BOTH SIDES. LINE UP THE SPAR CUTS & SHAPE BALANCE.
CLARK "Y" WING RIBS
MAKE 11 W-1 RIBS 1/16" SHEET
MAKE 2 EACH OF W-2 THRU W-9 1/16" SHEET
CAP STRIP 1/32"X1/8"
1/16"X2" SHEET
1/4"X1/2" L.E.
3/16" SQ. SPARS
1/8" SQ.
3/16"X1/2" T.E.
1/4"SQ. L.E.
1/8"X1/2" T.E.
S-1
STABILIZER RIBS
MAKE 7 OF 1/16" SHEET
2 OF 1/8" SHEET
NOTE: HEAVY LINES ON STAB. RIB IS 1/32"X1/8" CAP STRIP IF MODEL BUILDER SO DESIRES.
1/32"X1/8" CAP STRIPS
3/16" SQ. SPARS
RIBS 1/16" SHEET
REIN. GUSSETS
1/16" SHEET BALSA COVERING TOP & BOTTOM
3/16" X 1/2" T.E.
WING TOP VIEW
BOOM
NOTE: CUT EXHAUST HOLE IN FUSELAGE TO ENGINE REQUIREMENTS
CEMENT WELL
NOTCH T.E.
W-1 IS SHOW DOTTED
VIEW SHOWS BOOM TO WING FASTENING
L.E.
SPARS
GUSSETS OMITTED FOR CLARITY
BASIC FUSELAGE STRUCTURE
1/4" DOWEL
FIRE WALL 1/8" PLY WOOD
1/2" GRID
3/16" SQ.
1/4" SHEET
1/8" PLY-WOOD
4-1/8" DIHEDRAL EACH TIP
SCOOP DETAIL CARVE AS SHOWN
1" X 2-1/4" X 3" BLOCK
FUSELAGE TO WING FAIRING
1" X 2-1/4" X 3 BLOCK
WING GUSSETS FRONT & REAR 3/16" SHEET BALSA
NOSE BLOCK LEAVE SOLID (SOFT BALSA)
1-1/2" X 2" X 2-3/4"
.015 CELLULOID
3/16" X 3/4"
TOP VIEW
3/16" SQ. RAILS
3/16" X 3/4"
1/8" SHEET
1-9/16"
2-1/8"
1/4" DOWEL
CUT OUT FOR COOLING AIR
CARVE COWL FROM 3/4" X 2-1/4" X 4-1/2" SOFT BALSA BLOCK MAKE CUT-OUTS TO SUIT ENGINE
TYPICAL BOOM SECTION 1/8" SHEET SIDES
BOOMS SHOWN FULL LENGTH
3/16" X 1/4" TOP & BOTTOM
3/32" SHEET BALSA RUDDERS
2"
SCOOPS
FRONT VIEW
3/4" X 2-1/4" X 6-1/2" BLOCK HOLLOW AS SHOWN
1/8" PLY-WOOD
A
B
C
W-1
NOTCH BOOM & T.E. AS SHOWN
BANTAM SHOWN
1/8" PLY WOOD FIRE WALL
DRESS SNAPS
SIDE VIEW
1/4" SHEET SIDES
TO SUIT MOTOR
1/4" SQ. REINFORCEMENT
CUT HOLE TO SUIT CHOICE OF ENGINE
1/4" SHEET SIDES
BIND GEAR
SOFT BALSA
1/4" SHEET SIDES
1/16" WIRE
TRUE LENGTH OF GEAR
1-1/2" X 1-1/4" X 10" BLOCK HOLLOW AS SHOWN TO 1/4" THICK SHELL (SOFT BALSA)
1-1/4" X 2-1/4" X 9" BLOCK HOLLOW AS SHOWN TO 1/4" THICK SHELL (SOFT BALSA)
3/8" SQ. MOTOR MOUNTS (PINE)
BEND GEAR TO FORM SHOWN BIND & CEMENT WELL TO 1/8" PLYWOOD FIRE WALL
CANOPY FORMER 1/8" DIA. REED
2-1/2" DIA. TREXLER BALLOON WHEELS (3-REQ.)
FWD. GEAR SHOWN FULL LENGTH 1/16" WIRE
BEND HERE
1/4" SQ. L.E.
S-1
1/8" SQ. SPAR
NOTCH T.E. AS SHOWN
1/8" X 1/2" T.E.
STAB.
1/8" RIB
1/8" RIB
NOTE: ① ENTIRE MODEL IS SILK SPAN COVERED
② APPLY 2 COATS OF CLEAR DOPE. SAND WELL PAINT DESIRED COLOR
③ LOOP WING HOLD DOWN RUBBER UNDER FUSELAGE BEHIND ENGINE COWL
PUSH ROD
by paul palanek