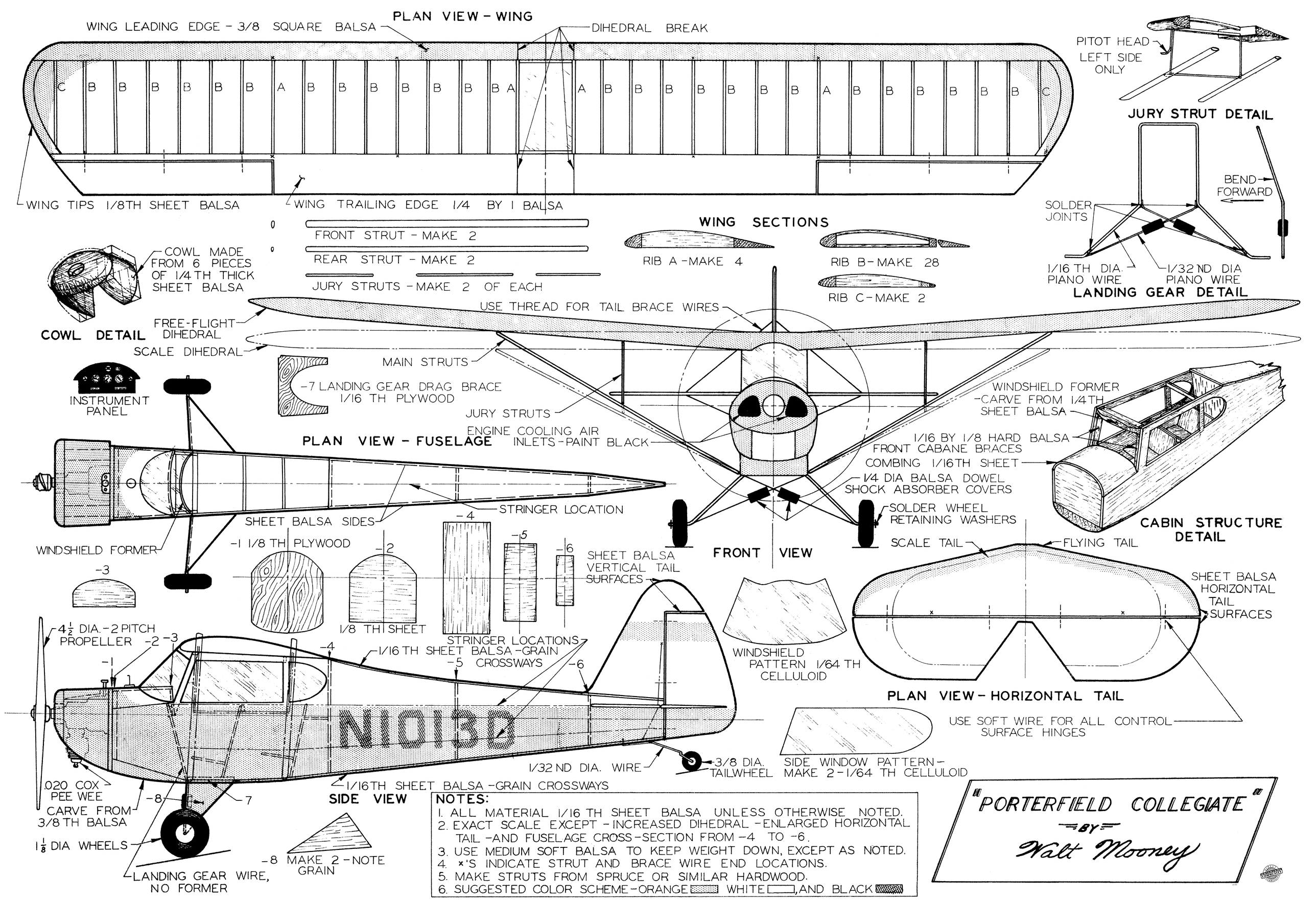
PLAN VIEW - WING
WING LEADING EDGE - 3/8 SQUARE BALSA
DIHEDRAL BREAK
C B B B B B B A B B B B B B B A A B B B B B B B A B B B B B B C
WING TIPS 1/8TH SHEET BALSA
WING TRAILING EDGE 1/4 BY 1 BALSA
PITOT HEAD
LEFT SIDE ONLY
JURY STRUT DETAIL
BEND FORWARD
SOLDER JOINTS
1/16 TH DIA. PIANO WIRE
1/32 ND DIA PIANO WIRE
LANDING GEAR DETAIL
FRONT STRUT - MAKE 2
REAR STRUT - MAKE 2
JURY STRUTS - MAKE 2 OF EACH
WING SECTIONS
RIB A - MAKE 4
RIB B - MAKE 28
RIB C - MAKE 2
COWL MADE FROM 6 PIECES OF 1/4 TH THICK SHEET BALSA
COWL DETAIL
FREE-FLIGHT DIHEDRAL
SCALE DIHEDRAL
USE THREAD FOR TAIL BRACE WIRES
MAIN STRUTS
-7 LANDING GEAR DRAG BRACE 1/16 TH PLYWOOD
JURY STRUTS
ENGINE COOLING AIR INLETS - PAINT BLACK
INSTRUMENT PANEL
PLAN VIEW - FUSELAGE
WINDSHIELD FORMER - CARVE FROM 1/4 TH SHEET BALSA
1/16 BY 1/8 HARD BALSA FRONT CABANE BRACES
COMBING 1/16TH SHEET
1/4 DIA BALSA DOWEL SHOCK ABSORBER COVERS
SOLDER WHEEL RETAINING WASHERS
CABIN STRUCTURE DETAIL
STRINGER LOCATION
SHEET BALSA SIDES
WINDSHIELD FORMER
-1 1/8 TH PLYWOOD
-1 -2 -3 -4 -5 -6
1/8 TH SHEET
STRINGER LOCATIONS
SHEET BALSA VERTICAL TAIL SURFACES
FRONT VIEW
SCALE TAIL
FLYING TAIL
SHEET BALSA HORIZONTAL TAIL SURFACES
WINDSHIELD PATTERN 1/64 TH CELLULOID
PLAN VIEW - HORIZONTAL TAIL
USE SOFT WIRE FOR ALL CONTROL SURFACE HINGES
4 1/2 DIA. - 2 PITCH PROPELLER
1/16 TH SHEET BALSA - GRAIN CROSSWAYS
N1013D
1/32 ND DIA. WIRE
3/8 DIA. TAILWHEEL
SIDE WINDOW PATTERN - MAKE 2 - 1/64 TH CELLULOID
.020 COX PEE WEE
CARVE FROM 3/8 TH BALSA
1/16TH SHEET BALSA - GRAIN CROSSWAYS
SIDE VIEW
1 1/8 DIA WHEELS
LANDING GEAR WIRE, NO FORMER
-8 MAKE 2 - NOTE GRAIN
NOTES:
1. ALL MATERIAL 1/16 TH SHEET BALSA UNLESS OTHERWISE NOTED.
2. EXACT SCALE EXCEPT - INCREASED DIHEDRAL - ENLARGED HORIZONTAL TAIL - AND FUSELAGE CROSS-SECTION FROM -4 TO -6.
3. USE MEDIUM SOFT BALSA TO KEEP WEIGHT DOWN, EXCEPT AS NOTED.
4. x'S INDICATE STRUT AND BRACE WIRE END LOCATIONS.
5. MAKE STRUTS FROM SPRUCE OR SIMILAR HARDWOOD.
6. SUGGESTED COLOR SCHEME - ORANGE, WHITE, AND BLACK
"PORTERFIELD COLLEGIATE"
BY
Walt Mooney