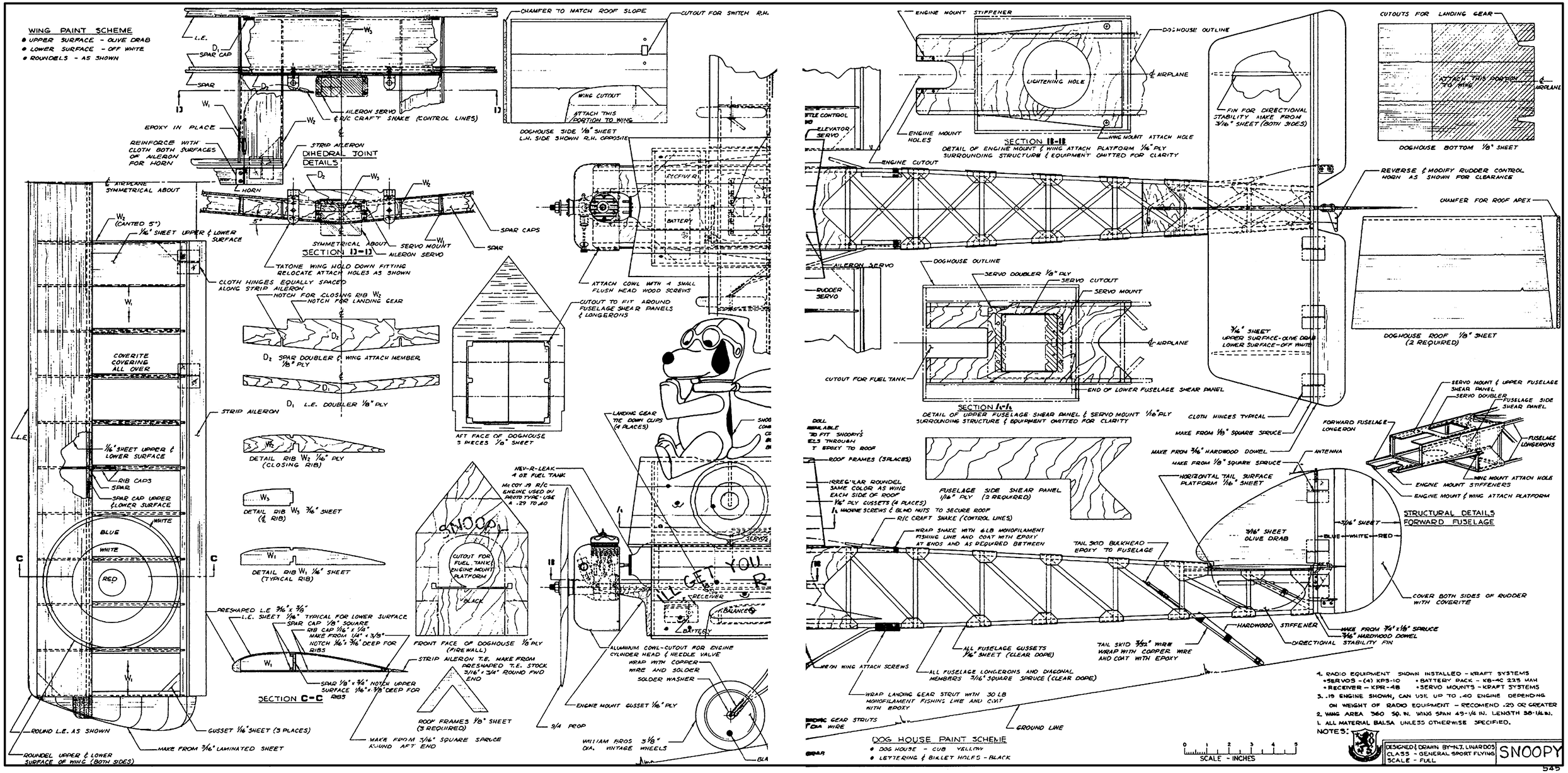
WING PAINT SCHEME
• UPPER SURFACE - OLIVE DRAB
• LOWER SURFACE - OFF WHITE
• ROUNDELS - AS SHOWN
L.E.
SPAR CAP
SPAR
EPOXY IN PLACE
REINFORCE WITH CLOTH BOTH SURFACES OF AILERON FOR HORN
AILERON SERVO & R/C CRAFT SNAKE (CONTROL LINES)
STRIP AILERON
DIHEDRAL JOINT DETAILS
HORN
℄ AIRPLANE SYMMETRICAL ABOUT
SYMMETRICAL ABOUT
SERVO MOUNT
AILERON SERVO
SECTION D-D
SPAR CAPS
TATONE WING HOLD DOWN FITTING RELOCATE ATTACH HOLES AS SHOWN
CLOTH HINGES EQUALLY SPACED ALONG STRIP AILERON
NOTCH FOR CLOSING RIB W2
NOTCH FOR LANDING GEAR
D2 SPAR DOUBLER & WING ATTACH MEMBER 1/8" PLY
D1 L.E. DOUBLER 1/8" PLY
W2 (CANTED 5°)
1/16" SHEET UPPER & LOWER SURFACE
COVERITE COVERING ALL OVER
STRIP AILERON
1/16" SHEET UPPER & LOWER SURFACE
RIB CAPS
SPAR
SPAR CAP UPPER & LOWER SURFACE
BLUE
WHITE
RED
DETAIL RIB W2 1/16" PLY (CLOSING RIB)
DETAIL RIB W3 3/16" SHEET (℄ RIB)
DETAIL RIB W1 1/16" SHEET (TYPICAL RIB)
PRESHAPED L.E. 3/16" x 3/8"
L.E. SHEET 1/16" TYPICAL FOR LOWER SURFACE
SPAR CAP 1/8" SQUARE
RIB CAP 1/16" x 1/4"
MAKE FROM 1/4" x 3/8"
NOTCH 1/16" x 3/16" DEEP FOR RIBS
SPAR 1/8" x 3/4" NOTCH UPPER SURFACE 1/16" x 3/8" DEEP FOR RIBS
SECTION C-C
STRIP AILERON T.E. MAKE FROM PRESHAPED T.E. STOCK 3/16" x 3/4" ROUND FWD END
ROUND L.E. AS SHOWN
GUSSET 1/16" SHEET (3 PLACES)
MAKE FROM 3/16" LAMINATED SHEET
ROUNDEL UPPER & LOWER SURFACE OF WING (BOTH SIDES)
MAKE FROM 3/16" SQUARE SPRUCE ROUND AFT END
ROOF FRAMES 1/8" SHEET (3 REQUIRED)
CHAMFER TO MATCH ROOF SLOPE
CUTOUT FOR SWITCH R.H.
WING CUTOUT
ATTACH THIS PORTION TO WING
DOGHOUSE SIDE 1/8" SHEET L.H. SIDE SHOWN R.H. OPPOSITE
RECEIVER
BATTERY
ATTACH COWL WITH A SMALL FLUSH HEAD WOOD SCREWS
CUTOUT TO FIT AROUND FUSELAGE SHEAR PANELS & LONGERONS
AFT FACE OF DOGHOUSE 3 PIECES 1/8" SHEET
LANDING GEAR TIE DOWN CLIPS (4 PLACES)
NEV-R-LEAK 4 OZ FUEL TANK
McCOY .19 R/C ENGINE USED ON PROTO TYPE - USE A .29 TO .40
SNOOPY
CUTOUT FOR FUEL TANK & ENGINE MOUNT PLATFORM
BLACK
FRONT FACE OF DOGHOUSE 1/8" PLY (FIREWALL)
ALUMINUM COWL-CUTOUT FOR ENGINE CYLINDER HEAD & NEEDLE VALVE
WRAP WITH COPPER WIRE AND SOLDER
SOLDER WASHER
ENGINE MOUNT GUSSET 1/16" PLY
3/4 PROP
WILLIAM BROS 3 1/8" DIA. VINTAGE WHEELS
I'LL GET YOU
RECEIVER
BALANCE
BATTERY
ENGINE MOUNT STIFFENER
DOGHOUSE OUTLINE
LIGHTENING HOLE
℄ AIRPLANE
ENGINE MOUNT HOLES
WING MOUNT ATTACH HOLE
SECTION B-B
DETAIL OF ENGINE MOUNT & WING ATTACH PLATFORM 1/16" PLY SURROUNDING STRUCTURE & EQUIPMENT OMITTED FOR CLARITY
ELEVATOR SERVO
ENGINE CUTOUT
AILERON SERVO
RUDDER SERVO
DOGHOUSE OUTLINE
SERVO DOUBLER 1/8" PLY
SERVO CUTOUT
SERVO MOUNT
℄ AIRPLANE
CUTOUT FOR FUEL TANK
END OF LOWER FUSELAGE SHEAR PANEL
SECTION E-E
DETAIL OF UPPER FUSELAGE SHEAR PANEL & SERVO MOUNT 1/16" PLY SURROUNDING STRUCTURE & EQUIPMENT OMITTED FOR CLARITY
ROOF FRAMES (3 PLACES)
IRREGULAR ROUNDEL SAME COLOR AS WING EACH SIDE OF ROOF
1/16" PLY GUSSETS (4 PLACES)
MACHINE SCREWS & BLIND NUTS TO SECURE ROOF
FUSELAGE SIDE SHEAR PANEL 1/16" PLY (2 REQUIRED)
R/C CRAFT SNAKE (CONTROL LINES)
WRAP SNAKE WITH 6LB MONOFILAMENT FISHING LINE AND COAT WITH EPOXY AT ENDS AND AS REQUIRED BETWEEN
TAIL SKID BULKHEAD EPOXY TO FUSELAGE
ALL FUSELAGE GUSSETS 1/16" SHEET (CLEAR DOPE)
TAIL SKID 3/32" WIRE WRAP WITH COPPER WIRE AND COAT WITH EPOXY
ALL FUSELAGE LONGERONS AND DIAGONAL MEMBERS 3/16" SQUARE SPRUCE (CLEAR DOPE)
WRAP LANDING GEAR STOUT WITH 30 LB MONOFILAMENT FISHING LINE AND COAT WITH EPOXY
GROUND LINE
CUTOUTS FOR LANDING GEAR
ATTACH THIS PORTION TO WING
℄ AIRPLANE
DOGHOUSE BOTTOM 1/8" SHEET
FIN FOR DIRECTIONAL STABILITY MAKE FROM 3/16" SHEET (BOTH SIDES)
REVERSE & MODIFY RUDDER CONTROL HORN AS SHOWN FOR CLEARANCE
CHAMFER FOR ROOF APEX
DOGHOUSE ROOF 1/8" SHEET (2 REQUIRED)
3/16" SHEET UPPER SURFACE-OLIVE DRAB LOWER SURFACE-OFF WHITE
CLOTH HINGES TYPICAL
MAKE FROM 1/8" SQUARE SPRUCE
MAKE FROM 3/16" HARDWOOD DOWEL
MAKE FROM 1/8" SQUARE SPRUCE
ANTENNA
HORIZONTAL TAIL SURFACE PLATFORM 1/16" SHEET
3/16" SHEET OLIVE DRAB
BLUE WHITE RED
3/16" SHEET
STRUCTURAL DETAILS FORWARD FUSELAGE
SERVO MOUNT & UPPER FUSELAGE SHEAR PANEL
SERVO DOUBLER
FUSELAGE SIDE SHEAR PANEL
FORWARD FUSELAGE LONGERON
FUSELAGE LONGERONS
WING MOUNT ATTACH HOLE
ENGINE MOUNT STIFFENERS
ENGINE MOUNT & WING ATTACH PLATFORM
COVER BOTH SIDES OF RUDDER WITH COVERITE
HARDWOOD STIFFENER
MAKE FROM 3/4" x 1/8" SPRUCE
3/16" HARDWOOD DOWEL
DIRECTIONAL STABILITY FIN
NEW WING ATTACH SCREWS
DOG HOUSE PAINT SCHEME
• DOG HOUSE - CUB YELLOW
• LETTERING & BILLET HOLES - BLACK
SCALE - INCHES
NOTES:
1. RADIO EQUIPMENT SHOWN INSTALLED - KRAFT SYSTEMS
• SERVOS - (4) KPS-10 • BATTERY PACK - KB-4C 225 MAH
• RECEIVER - KPR-4B • SERVO MOUNTS - KRAFT SYSTEMS
3. .19 ENGINE SHOWN, CAN USE UP TO .40 ENGINE DEPENDING ON WEIGHT OF RADIO EQUIPMENT - RECOMEND .29 OR GREATER
2. WING AREA 360 SQ. IN. WING SPAN 49-1/4 IN. LENGTH 38-1/4 IN.
1. ALL MATERIAL BALSA UNLESS OTHERWISE SPECIFIED.
DESIGNED & DRAWN BY-N.J. LINARDOS
CLASS - GENERAL SPORT FLYING
SCALE - FULL
SNOOPY