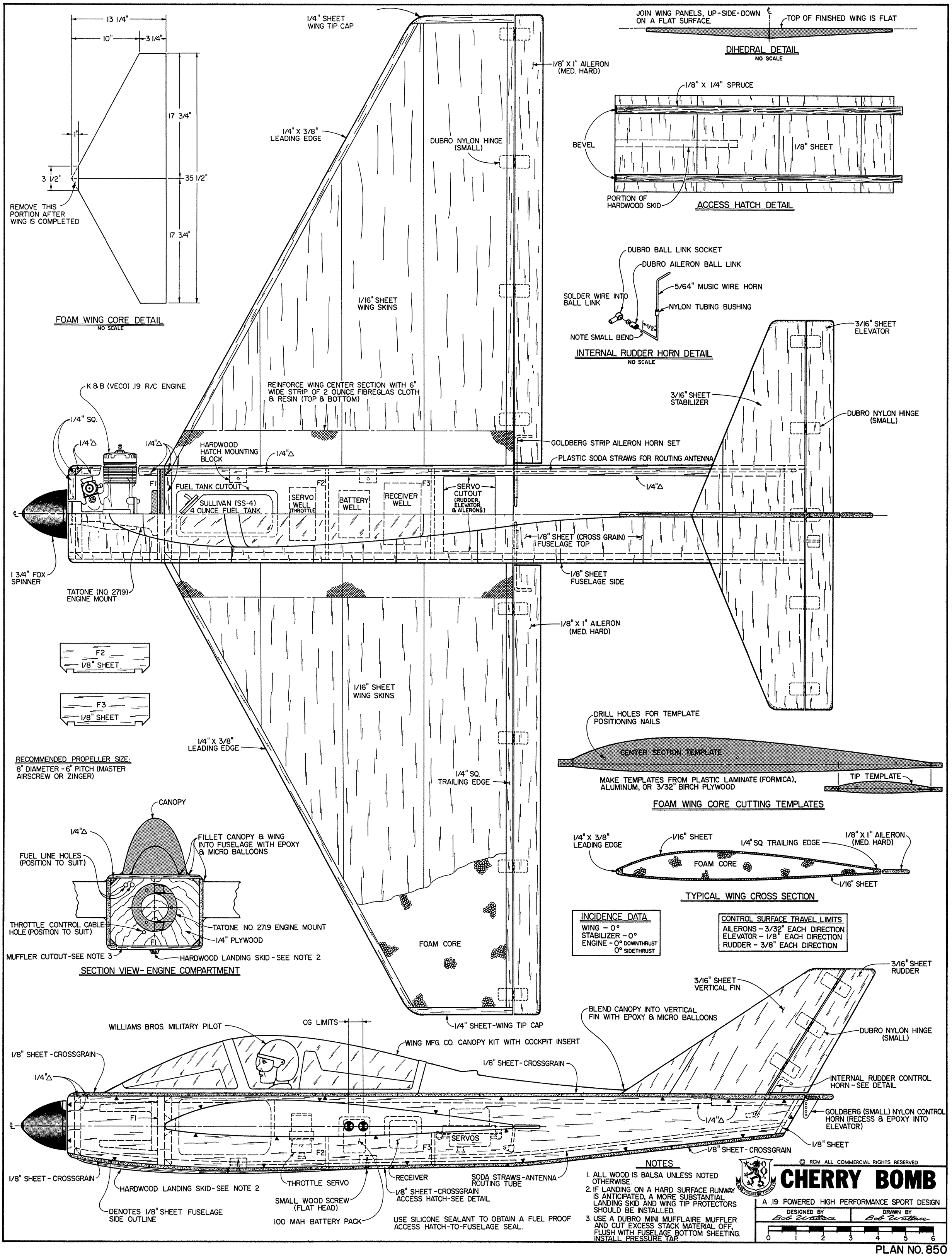
13 1/4"
10"
3 1/4"
17 3/4"
1"
3 1/2"
35 1/2"
17 3/4"
REMOVE THIS PORTION AFTER WING IS COMPLETED
FOAM WING CORE DETAIL
NO SCALE
1/4" SHEET WING TIP CAP
1/4" X 3/8" LEADING EDGE
DUBRO NYLON HINGE (SMALL)
1/8" X 1" AILERON (MED. HARD)
1/16" SHEET WING SKINS
REINFORCE WING CENTER SECTION WITH 6" WIDE STRIP OF 2 OUNCE FIBREGLAS CLOTH & RESIN (TOP & BOTTOM)
K & B (VECO) .19 R/C ENGINE
1/4" SQ.
1/4"△
HARDWOOD HATCH MOUNTING BLOCK
F1
FUEL TANK CUTOUT
SULLIVAN (SS-4) 4 OUNCE FUEL TANK
SERVO WELL (THROTTLE)
F2
BATTERY WELL
RECEIVER WELL
F3
SERVO CUTOUT (RUDDER, ELEVATOR, & AILERONS)
GOLDBERG STRIP AILERON HORN SET
PLASTIC SODA STRAWS FOR ROUTING ANTENNA
1/8" SHEET (CROSS GRAIN) FUSELAGE TOP
1/8" SHEET FUSELAGE SIDE
1 3/4" FOX SPINNER
TATONE (NO. 2719) ENGINE MOUNT
1/8" X 1" AILERON (MED. HARD)
F2
1/8" SHEET
F3
1/8" SHEET
1/16" SHEET WING SKINS
1/4" X 3/8" LEADING EDGE
1/4" SQ. TRAILING EDGE
FOAM CORE
1/4" SHEET-WING TIP CAP
RECOMMENDED PROPELLER SIZE:
8" DIAMETER - 6" PITCH (MASTER AIRSCREW OR ZINGER)
JOIN WING PANELS, UP-SIDE-DOWN ON A FLAT SURFACE.
TOP OF FINISHED WING IS FLAT
DIHEDRAL DETAIL
NO SCALE
1/8" X 1/4" SPRUCE
BEVEL
1/8" SHEET
PORTION OF HARDWOOD SKID
ACCESS HATCH DETAIL
DUBRO BALL LINK SOCKET
DUBRO AILERON BALL LINK
5/64" MUSIC WIRE HORN
SOLDER WIRE INTO BALL LINK
NYLON TUBING BUSHING
1/2"
NOTE SMALL BEND
INTERNAL RUDDER HORN DETAIL
NO SCALE
3/16" SHEET ELEVATOR
3/16" SHEET STABILIZER
DUBRO NYLON HINGE (SMALL)
DRILL HOLES FOR TEMPLATE POSITIONING NAILS
CENTER SECTION TEMPLATE
TIP TEMPLATE
MAKE TEMPLATES FROM PLASTIC LAMINATE (FORMICA), ALUMINUM, OR 3/32" BIRCH PLYWOOD
FOAM WING CORE CUTTING TEMPLATES
CANOPY
1/4"△
FILLET CANOPY & WING INTO FUSELAGE WITH EPOXY & MICRO BALLOONS
FUEL LINE HOLES (POSITION TO SUIT)
THROTTLE CONTROL CABLE HOLE (POSITION TO SUIT)
TATONE NO. 2719 ENGINE MOUNT
1/4" PLYWOOD
F1
MUFFLER CUTOUT-SEE NOTE 3
HARDWOOD LANDING SKID - SEE NOTE 2
SECTION VIEW- ENGINE COMPARTMENT
1/4" X 3/8" LEADING EDGE
1/16" SHEET
1/4" SQ. TRAILING EDGE
1/8" X 1" AILERON (MED. HARD)
FOAM CORE
1/16" SHEET
TYPICAL WING CROSS SECTION
INCIDENCE DATA
WING - 0°
STABILIZER - 0°
ENGINE - 0° DOWNTHRUST
0° SIDETHRUST
CONTROL SURFACE TRAVEL LIMITS
AILERONS - 3/32" EACH DIRECTION
ELEVATOR - 1/8" EACH DIRECTION
RUDDER - 3/8" EACH DIRECTION
3/16" SHEET RUDDER
3/16" SHEET VERTICAL FIN
BLEND CANOPY INTO VERTICAL FIN WITH EPOXY & MICRO BALLOONS
DUBRO NYLON HINGE (SMALL)
WILLIAMS BROS. MILITARY PILOT
CG LIMITS
WING MFG. CO. CANOPY KIT WITH COCKPIT INSERT
1/8" SHEET - CROSSGRAIN
1/8" SHEET - CROSSGRAIN
1/4"△
INTERNAL RUDDER CONTROL HORN - SEE DETAIL
GOLDBERG (SMALL) NYLON CONTROL HORN (RECESS & EPOXY INTO ELEVATOR)
1/4"△
F1
SERVOS
F2
F3
1/8" SHEET
1/8" SHEET - CROSSGRAIN
1/8" SHEET - CROSSGRAIN
HARDWOOD LANDING SKID - SEE NOTE 2
THROTTLE SERVO
RECEIVER
SODA STRAWS - ANTENNA ROUTING TUBE
SMALL WOOD SCREW (FLAT HEAD)
1/8" SHEET - CROSSGRAIN ACCESS HATCH - SEE DETAIL
DENOTES 1/8" SHEET FUSELAGE SIDE OUTLINE
100 MAH BATTERY PACK
USE SILICONE SEALANT TO OBTAIN A FUEL PROOF ACCESS HATCH-TO-FUSELAGE SEAL.
NOTES
1. ALL WOOD IS BALSA UNLESS NOTED OTHERWISE.
2. IF LANDING ON A HARD SURFACE RUNWAY IS ANTICIPATED, A MORE SUBSTANTIAL LANDING SKID AND WING TIP PROTECTORS SHOULD BE INSTALLED.
3. USE A DUBRO MINI MUFFLAIRE MUFFLER AND CUT EXCESS STACK MATERIAL OFF, FLUSH WITH FUSELAGE BOTTOM SHEETING. INSTALL PRESSURE TAP.
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CHERRY BOMB
A .19 POWERED HIGH PERFORMANCE SPORT DESIGN
DESIGNED BY Bob Wallace
DRAWN BY Bob Wallace
0 1 2 3 4 5 6
PLAN NO. 850