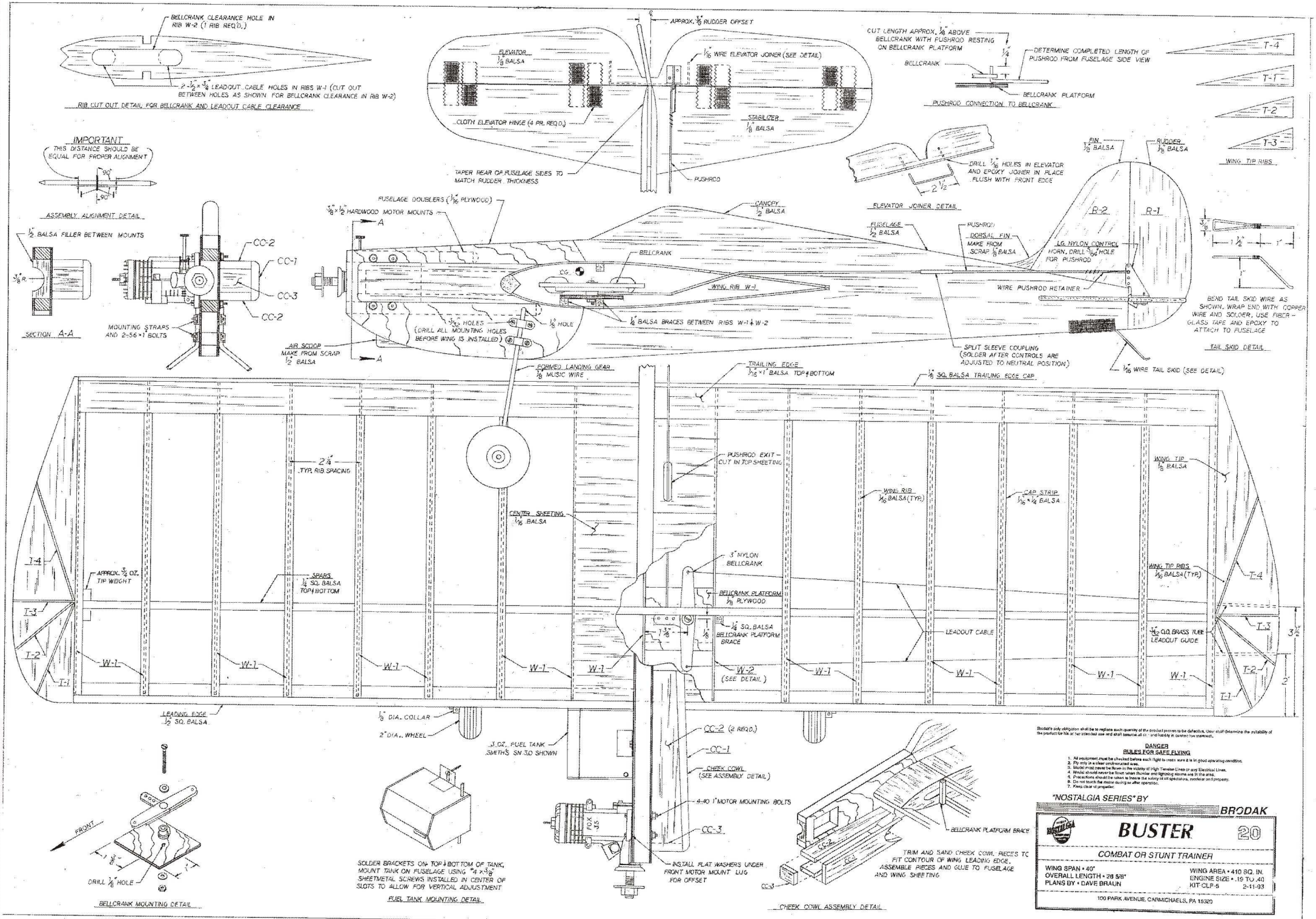
BELLCRANK CLEARANCE HOLE IN RIB W-2 (1 RIB REQ'D.)
2 1/2 × 3/8 LEADOUT CABLE HOLES IN RIBS W-1 (CUT OUT BETWEEN HOLES AS SHOWN FOR BELLCRANK CLEARANCE IN RIB W-2)
RIB CUT OUT DETAIL FOR BELLCRANK AND LEADOUT CABLE CLEARANCE
APPROX. 3/8" RUDDER OFFSET
ELEVATOR 1/8" BALSA
1/16" WIRE ELEVATOR JOINER (SEE DETAIL)
CLOTH ELEVATOR HINGE (4 PR. REQ'D.)
STABILIZER 1/8" BALSA
TAPER REAR OF FUSELAGE SIDES TO MATCH RUDDER THICKNESS
PUSHROD
CUT LENGTH APPROX. 1/8" ABOVE BELLCRANK WITH PUSHROD RESTING ON BELLCRANK PLATFORM
DETERMINE COMPLETED LENGTH OF PUSHROD FROM FUSELAGE SIDE VIEW
BELLCRANK
BELLCRANK PLATFORM
PUSHROD CONNECTION TO BELLCRANK
T-4
T-1
T-2
T-3
WING TIP RIBS
IMPORTANT
THIS DISTANCE SHOULD BE EQUAL FOR PROPER ALIGNMENT
90°
ASSEMBLY ALIGNMENT DETAIL
DRILL 1/16" HOLES IN ELEVATOR AND EPOXY JOINER IN PLACE FLUSH WITH FRONT EDGE
2 1/2"
ELEVATOR JOINER DETAIL
FIN 1/8" BALSA
RUDDER 1/8" BALSA
R-2
R-1
1/2" BALSA FILLER BETWEEN MOUNTS
3/8" R
SECTION A-A
CC-2
CC-1
CC-3
CC-2
MOUNTING STRAPS AND 2-56×1" BOLTS
FUSELAGE DOUBLERS (3/16" PLYWOOD)
3/8" × 1/2" HARDWOOD MOTOR MOUNTS
A
CANOPY 1/2" BALSA
FUSELAGE 1/2" BALSA
PUSHROD
DORSAL FIN MAKE FROM SCRAP 1/8" BALSA
LG. NYLON CONTROL HORN. DRILL 3/64" HOLE FOR PUSHROD
BELLCRANK
CG.
WING RIB W-1
WIRE PUSHROD RETAINER
3/32" HOLES (DRILL ALL MOUNTING HOLES BEFORE WING IS INSTALLED)
1/8" HOLE
1/8" BALSA BRACES BETWEEN RIBS W-1 & W-2
AIR SCOOP MAKE FROM SCRAP 1/2" BALSA
SPLIT SLEEVE COUPLING (SOLDER AFTER CONTROLS ARE ADJUSTED TO NEUTRAL POSITION)
1/16" WIRE TAIL SKID (SEE DETAIL)
BEND TAIL SKID WIRE AS SHOWN. WRAP END WITH COPPER WIRE AND SOLDER. USE FIBER-GLASS TAPE AND EPOXY TO ATTACH TO FUSELAGE
TAIL SKID DETAIL
FORMED LANDING GEAR 1/8" MUSIC WIRE
TRAILING EDGE 1/16" × 1" BALSA TOP & BOTTOM
1/8" SQ. BALSA TRAILING EDGE CAP
2 1/4" TYP. RIB SPACING
PUSHROD EXIT - CUT IN TOP SHEETING
WING TIP 1/8" BALSA
WING RIB 1/16" BALSA (TYP.)
CAP STRIP 1/16" × 1/4" BALSA
CENTER SHEETING 1/16" BALSA
3" NYLON BELLCRANK
WING TIP RIBS 1/16" BALSA (TYP.)
APPROX. 3/4 OZ. TIP WEIGHT
SPARS 1/4" SQ. BALSA TOP & BOTTOM
BELLCRANK PLATFORM 1/8" PLYWOOD
1/4" SQ. BALSA BELLCRANK PLATFORM BRACE
LEADOUT CABLE
3/32" O.D. BRASS TUBE LEADOUT GUIDE
W-1
W-2 (SEE DETAIL)
3 1/2"
2"
LEADING EDGE 1/2" SQ. BALSA
1/8" DIA. COLLAR
2" DIA. WHEEL
3 OZ. FUEL TANK SMITH'S SN-30 SHOWN
CC-2 (2 REQ'D.)
CC-1
CHEEK COWL (SEE ASSEMBLY DETAIL)
4-40 1" MOTOR MOUNTING BOLTS
CC-3
FOX .35
INSTALL FLAT WASHERS UNDER FRONT MOTOR MOUNT LUG FOR OFFSET
FRONT
DRILL 1/8" HOLE
BELLCRANK MOUNTING DETAIL
SOLDER BRACKETS ON TOP & BOTTOM OF TANK. MOUNT TANK ON FUSELAGE USING #4 × 3/8" SHEETMETAL SCREWS INSTALLED IN CENTER OF SLOTS TO ALLOW FOR VERTICAL ADJUSTMENT
FUEL TANK MOUNTING DETAIL
BELLCRANK PLATFORM BRACE
TRIM AND SAND CHEEK COWL PIECES TO FIT CONTOUR OF WING LEADING EDGE. ASSEMBLE PIECES AND GLUE TO FUSELAGE AND WING SHEETING
CHEEK COWL ASSEMBLY DETAIL
Brodak's only obligation shall be to replace such quantity of the product proven to be defective. User shall determine the suitability of the product for his or her intended use and shall assume all risk and liability in connection therewith.
DANGER
RULES FOR SAFE FLYING
1. All equipment must be checked before each flight to make sure it is in good operating condition.
2. Fly only in a clear unobstructed area.
3. Model must never be flown in the vicinity of High Tension Lines or any Electrical Lines.
4. Model should never be flown when thunder and lightning storms are in the area.
5. Precautions should be taken to insure the safety of all spectators, member and property.
6. Do not touch the engine during or after operation.
7. Keep clear of propeller.
"NOSTALGIA SERIES" BY
BRODAK
BUSTER 20
COMBAT OR STUNT TRAINER
WING SPAN • 40"
OVERALL LENGTH • 28 5/8"
PLANS BY • DAVE BRAUN
WING AREA • 410 SQ. IN.
ENGINE SIZE • .19 TO .40
KIT-CLP-5 2-11-93
100 PARK AVENUE, CARMICHAELS, PA 15320