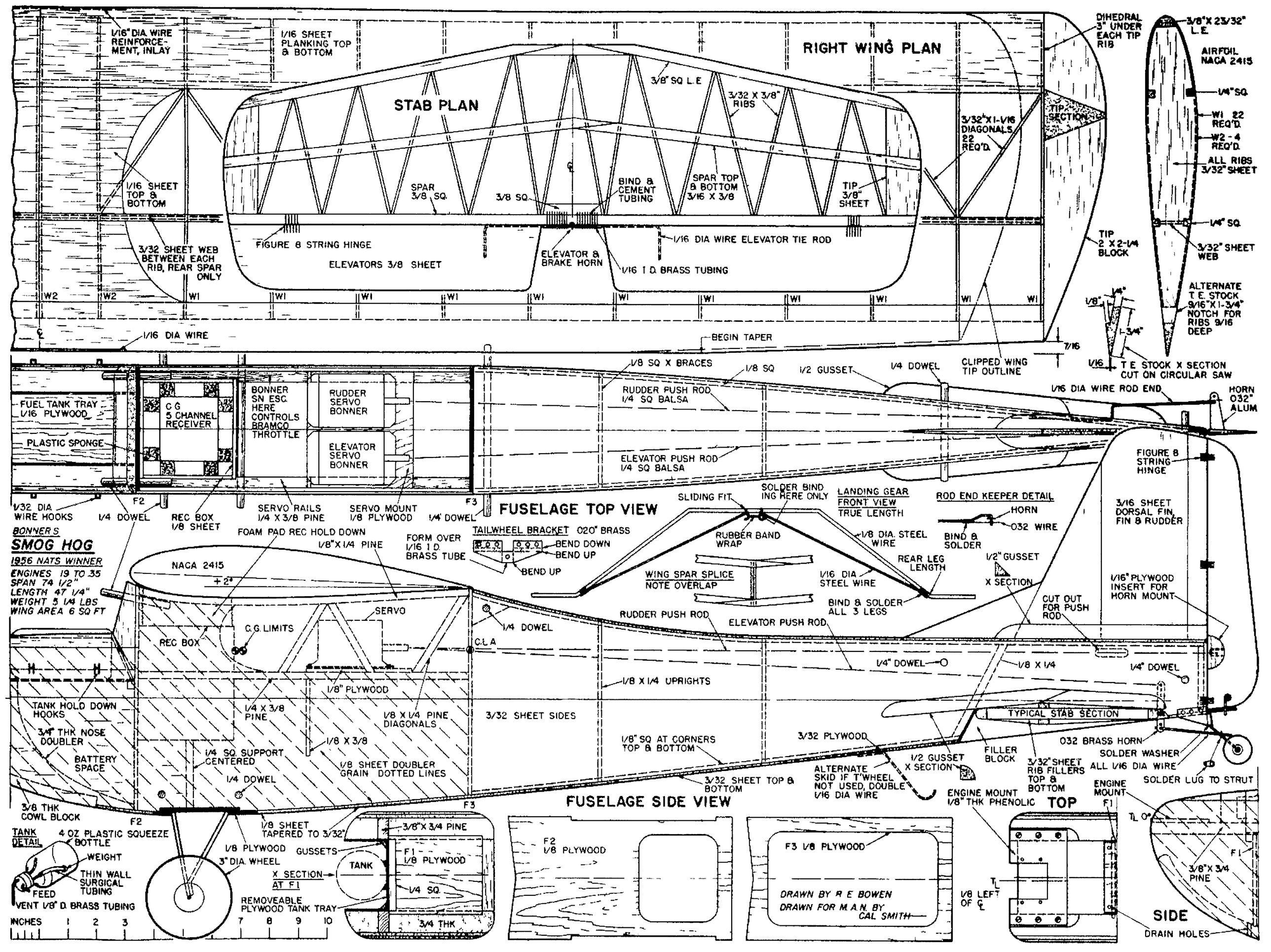
RIGHT WING PLAN
STAB PLAN
1/16" DIA. WIRE REINFORCEMENT, INLAY
1/16 SHEET PLANKING TOP & BOTTOM
3/8" SQ L.E.
3/32 X 3/8" RIBS
DIHEDRAL 3" UNDER EACH TIP RIB
3/8" X 23/32" L.E.
AIRFOIL NACA 2415
1/4" SQ.
W1 22 REQ'D.
W2 - 4 REQ'D.
ALL RIBS 3/32" SHEET
3/32" X 1-1/16 DIAGONALS 22 REQ'D.
TIP SECTION
1/16 SHEET TOP & BOTTOM
SPAR 3/8 SQ.
3/8 SQ.
BIND & CEMENT TUBING
SPAR TOP & BOTTOM 3/16 X 3/8
TIP 3/8" SHEET
FIGURE 8 STRING HINGE
ELEVATORS 3/8 SHEET
ELEVATOR & BRAKE HORN
1/16 DIA WIRE ELEVATOR TIE ROD
1/16 I.D. BRASS TUBING
3/32 SHEET WEB BETWEEN EACH RIB, REAR SPAR ONLY
TIP 2 X 2-1/4 BLOCK
3/32" SHEET WEB
ALTERNATE T.E. STOCK 9/16" X 1-3/4" NOTCH FOR RIBS 9/16 DEEP
1/8"
1/4"
1-3/4"
1/16
T.E. STOCK X SECTION CUT ON CIRCULAR SAW
W2
W1
1/16 DIA WIRE
BEGIN TAPER
7/16
CLIPPED WING TIP OUTLINE
1/8 SQ X BRACES
1/8 SQ
1/2 GUSSET
1/4 DOWEL
1/16 DIA WIRE ROD END
HORN 032" ALUM
FUEL TANK TRAY 1/16 PLYWOOD
C.G. 5 CHANNEL RECEIVER
BONNER SN ESC HERE CONTROLS BRAMCO THROTTLE
RUDDER SERVO BONNER
ELEVATOR SERVO BONNER
RUDDER PUSH ROD 1/4 SQ BALSA
ELEVATOR PUSH ROD 1/4 SQ BALSA
PLASTIC SPONGE
1/32 DIA WIRE HOOKS
1/4 DOWEL
REC BOX 1/8 SHEET
SERVO RAILS 1/4 X 3/8 PINE
SERVO MOUNT 1/8 PLYWOOD
1/4 DOWEL
F2
F3
FUSELAGE TOP VIEW
FIGURE 8 STRING HINGE
3/16 SHEET DORSAL FIN, FIN & RUDDER
SLIDING FIT
SOLDER BINDING HERE ONLY
LANDING GEAR FRONT VIEW TRUE LENGTH
ROD END KEEPER DETAIL
HORN
032 WIRE
BIND & SOLDER
RUBBER BAND WRAP
1/8 DIA. STEEL WIRE
REAR LEG LENGTH
1/2" GUSSET
X SECTION
1/16" PLYWOOD INSERT FOR HORN MOUNT
BONNER'S
SMOG HOG
1956 NATS WINNER
ENGINES 19 TO 35
SPAN 74 1/2"
LENGTH 47 1/4"
WEIGHT 5 1/4 LBS
WING AREA 6 SQ FT
FOAM PAD REC HOLD DOWN
1/8" X 1/4 PINE
FORM OVER 1/16 I.D. BRASS TUBE
TAILWHEEL BRACKET 020" BRASS
BEND DOWN
BEND UP
BEND UP
NACA 2415
+2°
WING SPAR SPLICE NOTE OVERLAP
1/16 DIA STEEL WIRE
BIND & SOLDER ALL 3 LEGS
CUT OUT FOR PUSH ROD
SERVO
C.G. LIMITS
REC BOX
1/4 DOWEL
C.L.A.
RUDDER PUSH ROD
ELEVATOR PUSH ROD
1/4" DOWEL
1/8 X 1/4
1/4" DOWEL
1/8 X 1/4 UPRIGHTS
1/8" PLYWOOD
TANK HOLD DOWN HOOKS
1/4 X 3/8 PINE
1/8 X 1/4 PINE DIAGONALS
3/32 SHEET SIDES
TYPICAL STAB SECTION
3/4" THK NOSE DOUBLER
1/8 X 3/8
1/8" SQ AT CORNERS TOP & BOTTOM
3/32 PLYWOOD
BATTERY SPACE
1/4 SQ. SUPPORT CENTERED
1/8 SHEET DOUBLER GRAIN DOTTED LINES
1/4 DOWEL
3/32 SHEET TOP & BOTTOM
ALTERNATE SKID IF T'WHEEL NOT USED, DOUBLE 1/16 DIA WIRE
1/2 GUSSET X SECTION
FILLER BLOCK
3/32" SHEET RIB FILLERS TOP & BOTTOM
032 BRASS HORN
SOLDER WASHER
ALL 1/16 DIA WIRE
SOLDER LUG TO STRUT
FUSELAGE SIDE VIEW
3/8 THK COWL BLOCK
F2
F3
1/8 SHEET TAPERED TO 3/32"
ENGINE MOUNT 1/8" THK PHENOLIC
TOP
ENGINE MOUNT
F1
TANK DETAIL
4 OZ PLASTIC SQUEEZE BOTTLE
WEIGHT
THIN WALL SURGICAL TUBING
FEED
VENT 1/8" D. BRASS TUBING
1/8 PLYWOOD
GUSSETS
3" DIA. WHEEL
X SECTION AT F1
TANK
3/8" X 3/4 PINE
F1 1/8 PLYWOOD
1/4 SQ.
REMOVEABLE PLYWOOD TANK TRAY
3/4 THK
INCHES 1 2 3 7 8 9 10
F2 1/8 PLYWOOD
F3 1/8 PLYWOOD
DRAWN BY R. E. BOWEN
DRAWN FOR M.A.N. BY CAL SMITH
1/8 LEFT OF ℄
SIDE
3/8" X 3/4 PINE
DRAIN HOLES