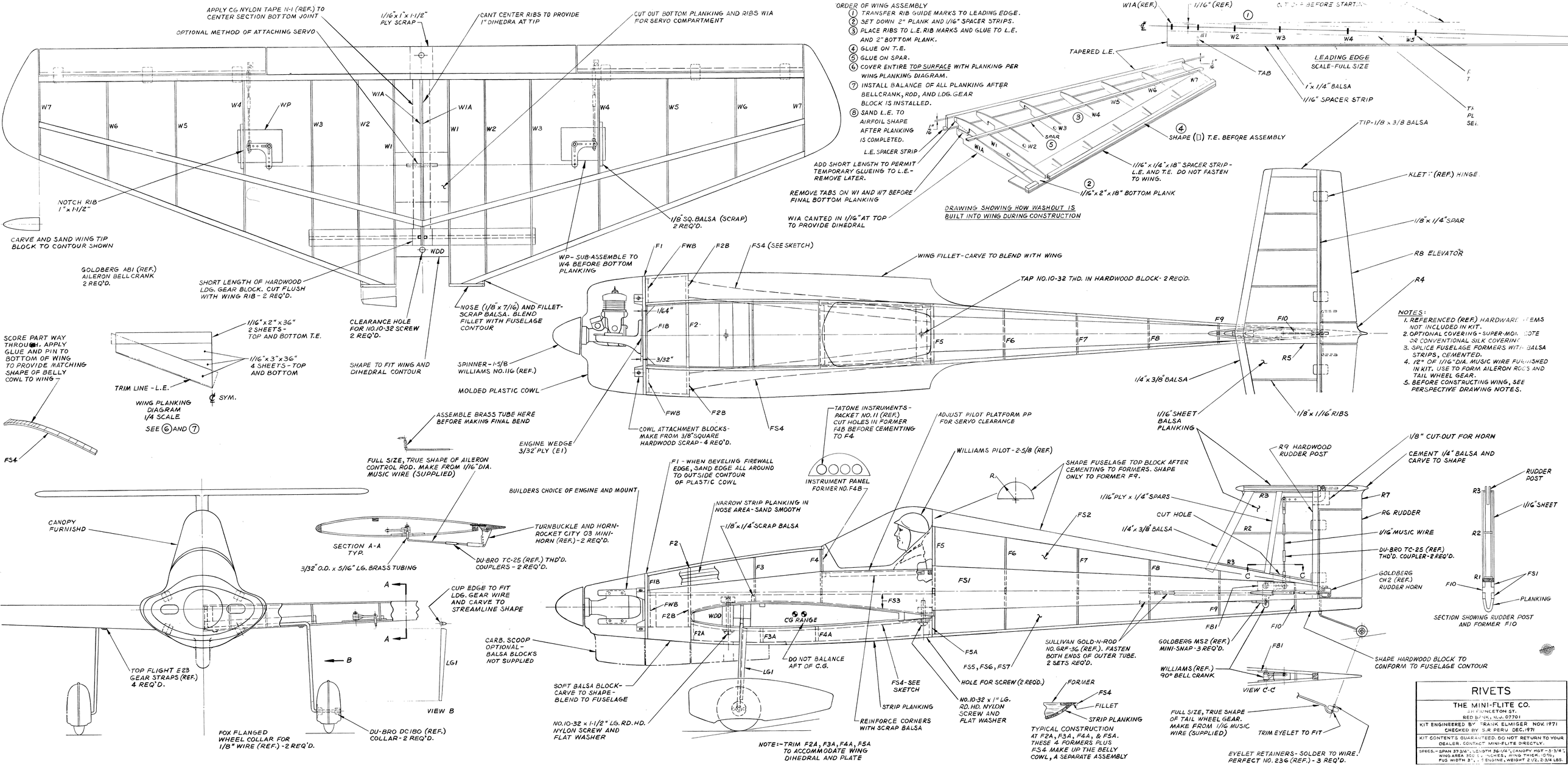
APPLY CG NYLON TAPE N-1 (REF.) TO CENTER SECTION BOTTOM JOINT
OPTIONAL METHOD OF ATTACHING SERVO
1/16"x1"x1-1/2" PLY SCRAP
CANT CENTER RIBS TO PROVIDE 1" DIHEDRA AT TIP
CUT OUT BOTTOM PLANKING AND RIBS W1A FOR SERVO COMPARTMENT
W7
W6
W5
W4
WP
W3
W2
W1
W1A
NOTCH RIB 1"x1-1/2"
CARVE AND SAND WING TIP BLOCK TO CONTOUR SHOWN
WDD
1/8" SQ. BALSA (SCRAP) 2 REQ'D.
WP- SUB-ASSEMBLE TO W4 BEFORE BOTTOM PLANKING
GOLDBERG ABI (REF.) AILERON BELLCRANK 2 REQ'D.
SHORT LENGTH OF HARDWOOD LDG. GEAR BLOCK. CUT FLUSH WITH WING RIB - 2 REQ'D.
CLEARANCE HOLE FOR NO.10-32 SCREW 2 REQ'D.
NOSE (1/8"x7/16") AND FILLET-SCRAP BALSA. BLEND FILLET WITH FUSELAGE CONTOUR
SHAPE TO FIT WING AND DIHEDRAL CONTOUR
SPINNER-1-5/8 WILLIAMS NO.116 (REF.)
MOLDED PLASTIC COWL
ENGINE WEDGE 3/32" PLY (E1)
COWL ATTACHMENT BLOCKS- MAKE FROM 3/8" SQUARE HARDWOOD SCRAP - 4 REQ'D.
ASSEMBLE BRASS TUBE HERE BEFORE MAKING FINAL BEND
FULL SIZE, TRUE SHAPE OF AILERON CONTROL ROD. MAKE FROM 1/16" DIA. MUSIC WIRE (SUPPLIED)
SCORE PART WAY THROUGH. APPLY GLUE AND PIN TO BOTTOM OF WING TO PROVIDE MATCHING SHAPE OF BELLY COWL TO WING
FS4
1/16"x2"x36" 2 SHEETS - TOP AND BOTTOM T.E.
1/16"x3"x36" 4 SHEETS - TOP AND BOTTOM
TRIM LINE - L.E.
℄ SYM.
WING PLANKING DIAGRAM 1/4 SCALE
SEE 6 AND 7
ORDER OF WING ASSEMBLY
1 TRANSFER RIB GUIDE MARKS TO LEADING EDGE.
2 SET DOWN 2" PLANK AND 1/16" SPACER STRIPS.
3 PLACE RIBS TO L.E. RIB MARKS AND GLUE TO L.E. AND 2" BOTTOM PLANK.
4 GLUE ON T.E.
5 GLUE ON SPAR.
6 COVER ENTIRE TOP SURFACE WITH PLANKING PER WING PLANKING DIAGRAM.
7 INSTALL BALANCE OF ALL PLANKING AFTER BELLCRANK, ROD, AND LDG. GEAR BLOCK IS INSTALLED.
8 SAND L.E. TO AIRFOIL SHAPE AFTER PLANKING IS COMPLETED.
L.E. SPACER STRIP
ADD SHORT LENGTH TO PERMIT TEMPORARY GLUEING TO L.E.- REMOVE LATER.
REMOVE TABS ON W1 AND W7 BEFORE FINAL BOTTOM PLANKING
W1A CANTED IN 1/16" AT TOP TO PROVIDE DIHEDRAL
SPAR
1/16" x 1/4" x 18" SPACER STRIP - L.E. AND T.E. DO NOT FASTEN TO WINGS.
1/16" x 2" x 18" BOTTOM PLANK
SHAPE (□) T.E. BEFORE ASSEMBLY
DRAWING SHOWING HOW WASHOUT IS BUILT INTO WING DURING CONSTRUCTION
W1A (REF.)
1/16" (REF.)
TAPERED L.E.
TAB
LEADING EDGE SCALE-FULL SIZE
1"x1/4" BALSA
1/16" SPACER STRIP
TIP-1/8 x 3/8 BALSA
KLETT (REF.) HINGE
1/8"x1/4" SPAR
RB ELEVATOR
R4
R5
1/4"x3/8" BALSA
1/8"x1/16" RIBS
1/16" SHEET BALSA PLANKING
NOTES:
1. REFERENCED (REF.) HARDWARE ITEMS NOT INCLUDED IN KIT.
2. OPTIONAL COVERING - SUPER-MONOKOTE OR CONVENTIONAL SILK COVERING.
3. SPLICE FUSELAGE FORMERS WITH BALSA STRIPS, CEMENTED.
4. 12" OF 1/16" DIA. MUSIC WIRE FURNISHED IN KIT. USE TO FORM AILERON RODS AND TAIL WHEEL GEAR.
5. BEFORE CONSTRUCTING WING, SEE PERSPECTIVE DRAWING NOTES.
F1
FWB
F2B
FS4 (SEE SKETCH)
WING FILLET - CARVE TO BLEND WITH WING
TAP NO.10-32 THD. IN HARDWOOD BLOCK - 2 REQ'D.
1/64"
F1B
F2
3/32"
F5
F6
F7
F8
F9
F10
TATONE INSTRUMENTS - PACKET NO.11 (REF.) CUT HOLES IN FORMER F4B BEFORE CEMENTING TO F4
INSTRUMENT PANEL FORMER NO. F4B
ADJUST PILOT PLATFORM PP FOR SERVO CLEARANCE
WILLIAMS PILOT - 2-5/8 (REF.)
SHAPE FUSELAGE TOP BLOCK AFTER CEMENTING TO FORMERS. SHAPE ONLY TO FORMER F9.
F1 - WHEN BEVELING FIREWALL EDGE, SAND EDGE ALL AROUND TO OUTSIDE CONTOUR OF PLASTIC COWL
BUILDERS CHOICE OF ENGINE AND MOUNT
NARROW STRIP PLANKING IN NOSE AREA - SAND SMOOTH
1/8"x1/4" SCRAP BALSA
FS2
FS1
FS3
FS4
FWB
F2B
WDD
F2A
F3A
F4A
CG RANGE
LG1
DO NOT BALANCE AFT OF C.G.
FS5
FS6
FS7
F9
F10
F8B
FS5, FS6, FS7
HOLE FOR SCREW (2 REQ'D.)
FS4 - SEE SKETCH
STRIP PLANKING
NO.10-32 x 1" LG. RD.HD. NYLON SCREW AND FLAT WASHER
REINFORCE CORNERS WITH SCRAP BALSA
SOFT BALSA BLOCK - CARVE TO SHAPE - BLEND TO FUSELAGE
NO.10-32 x 1-1/2" LG. RD.HD. NYLON SCREW AND FLAT WASHER
CARB. SCOOP OPTIONAL - BALSA BLOCKS NOT SUPPLIED
NOTE:- TRIM F2A, F3A, F4A, FSA TO ACCOMMODATE WING DIHEDRAL AND PLATE
SULLIVAN GOLD-N-ROD NO. GRF-36 (REF.). FASTEN BOTH ENDS OF OUTER TUBE. 2 SETS REQ'D.
GOLDBERG MS2 (REF.) MINI-SNAP - 3 REQ'D.
WILLIAMS (REF.) 90° BELL CRANK
VIEW C-C
SHAPE HARDWOOD BLOCK TO CONFORM TO FUSELAGE CONTOUR
FORMER
FS4
FILLET
STRIP PLANKING
TYPICAL CONSTRUCTION AT F2A, F3A, F4A, & F5A. THESE 4 FORMERS PLUS FS4 MAKE UP THE BELLY COWL, A SEPARATE ASSEMBLY
FULL SIZE, TRUE SHAPE OF TAIL WHEEL GEAR. MAKE FROM 1/16 MUSIC WIRE (SUPPLIED)
TRIM EYELET TO FIT
EYELET RETAINERS - SOLDER TO WIRE. PERFECT NO. 236 (REF.) - 3 REQ'D.
R9 HARDWOOD RUDDER POST
1/8" CUT-OUT FOR HORN
CEMENT 1/4" BALSA AND CARVE TO SHAPE
1/16" PLY x 1/4" SPARS
CUT HOLE
1/4" x 3/8" BALSA
R3
R2
R7
R6 RUDDER
1/16" MUSIC WIRE
DU-BRO TC-25 (REF.) THD'D. COUPLER - 2 REQ'D.
GOLDBERG CH2 (REF.) RUDDER HORN
RUDDER POST
1/16" SHEET
R1
PLANKING
SECTION SHOWING RUDDER POST AND FORMER F10
CANOPY FURNISHD
SECTION A-A TYP.
TURNBUCKLE AND HORN- ROCKET CITY 03 MINI-HORN (REF.) - 2 REQ'D.
3/32" O.D. x 5/16" LG. BRASS TUBING
DU-BRO TC-25 (REF.) THD'D. COUPLERS - 2 REQ'D.
CUP EDGE TO FIT LDG. GEAR WIRE AND CARVE TO STREAMLINE SHAPE
A
B
LG1
TOP FLIGHT E23 GEAR STRAPS (REF.) 4 REQ'D.
VIEW B
FOX FLANGED WHEEL COLLAR FOR 1/8" WIRE (REF.) - 2 REQ'D.
DU-BRO DC180 (REF.) COLLAR - 2 REQ'D.
RIVETS
THE MINI-FLITE CO.
191 PRINCETON ST.
RED BANK, N.J. 07701
KIT ENGINEERED BY FRANK ELMIGER NOV. 1971
CHECKED BY G.R. PERU DEC. 1971
KIT CONTENTS GUARANTEED. DO NOT RETURN TO YOUR DEALER. CONTACT MINI-FLITE DIRECTLY.
SPECS.- SPAN 37-3/4", LENGTH 36-1/4", CANOPY HGT - 5-3/4"
WING AREA 360 SQ. INCHES, WING THICK. 12%
FUS WIDTH 3", 1 ENGINE, WEIGHT 2 1/2, 2-3/4 LBS.