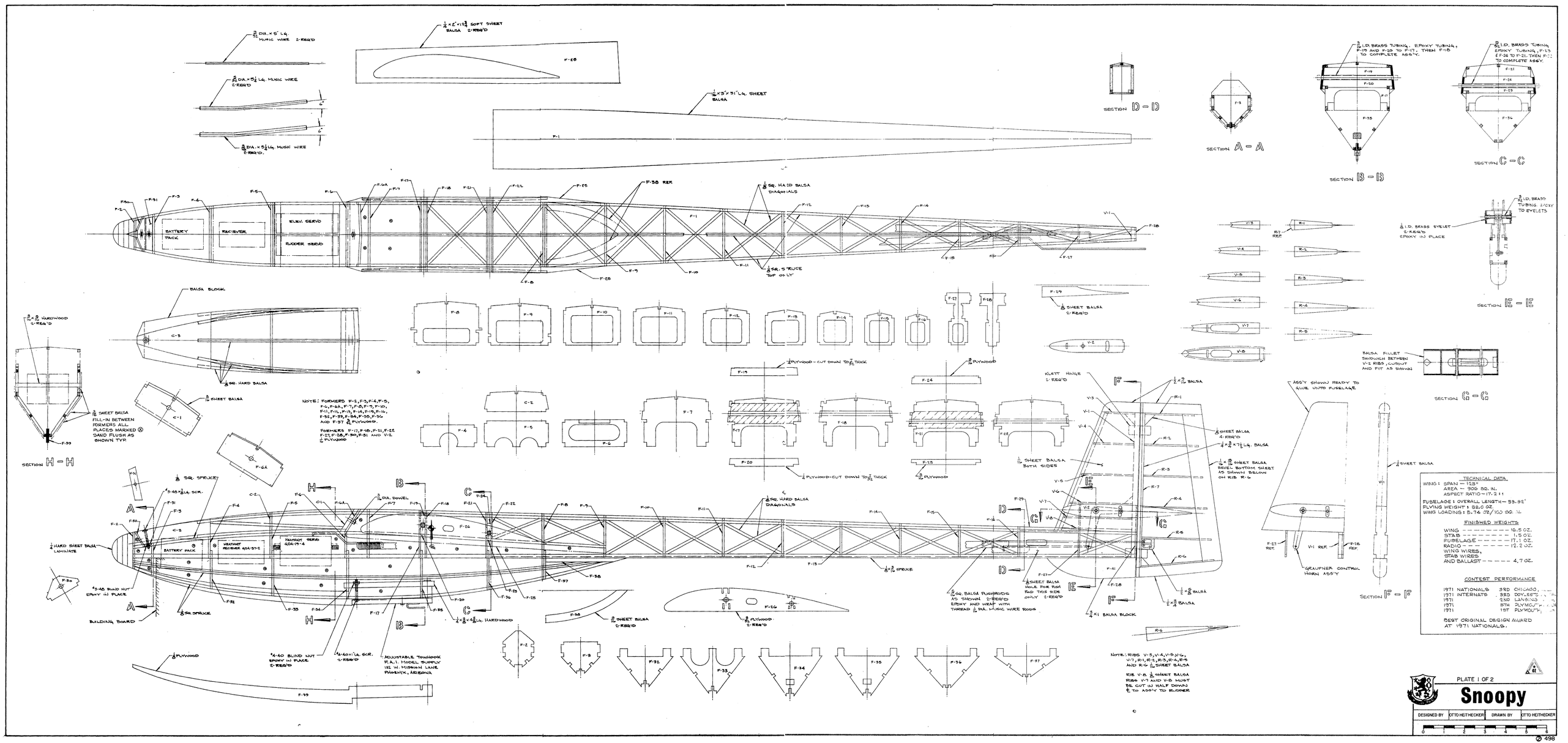
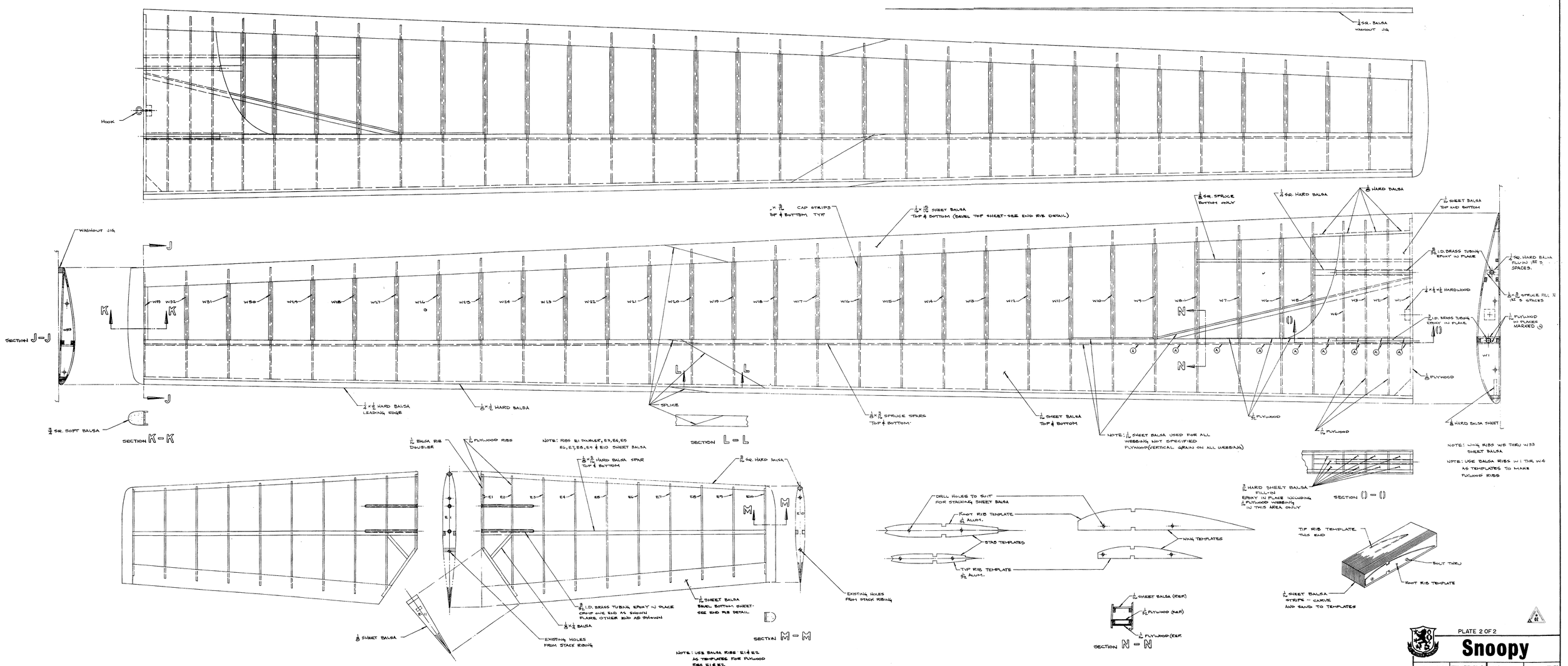

3/32 DIA. x 5" LG. MUSIC WIRE 2-REQ'D
3/32 DIA. x 5 1/2" LG. MUSIC WIRE 2-REQ'D
3/32 DIA. x 5 1/2" LG. MUSIC WIRE 2-REQ'D.
1/4 x 2" x 12 3/4" SOFT SHEET BALSA 2-REQ'D
F-28
1/4 x 3" x 31" LG. SHEET BALSA
F-1
SECTION D-D
SECTION A-A
1/2" I.D. BRASS TUBING, EPOXY TUBING, F-19 AND F-20 TO F-17, THEN F-18 TO COMPLETE ASS'Y.
SECTION B-B
3/32" I.D. BRASS TUBING EPOXY TUBING, F-23 (F-24 TO F-21, THEN F-22 TO COMPLETE ASS'Y.
SECTION C-C
BATTERY PACK
RECIEVER
ELEV. SERVO
RUDDER SERVO
F-38 REF.
1/8 SQ. HARD BALSA DIAGONALS
1/8 SQ. SPRUCE TOP OS LY
BALSA BLOCK
1/8 SQ. HARD BALSA
1/8" I.D. BRASS EYELET 2-REQ'D EPOXY IN PLACE
1/8" I.D. BRASS TUBING. EPOXY TO EYELETS
SECTION E-E
1/8 x 3/8 HARDWOOD 2-REQ'D
1/8 SHEET BALSA FILL-IN BETWEEN FORMERS ALL PLACES MARKED ⊗ SAND FLUSH AS SHOWN TYP.
SECTION H-H
1/8 SHEET BALSA
NOTE: FORMERS F-2, F-3, F-4, F-5, F-6, F-6A, F-7, F-8, F-9, F-10, F-11, F-12, F-13, F-14, F-15, F-16, F-21, F-22, F-23, F-24, F-30, F-36 AND F-37 1/8" PLYWOOD.
FORMERS F-17, F-18, F-19, F-31, F-32, F-27, F-28, F-29, F-35 AND V-2 1/8" PLYWOOD
1/4 PLYWOOD - CUT DOWN TO 3/32" THICK
3/8 PLYWOOD
1/8 SHEET BALSA 2-REQ'D
KLETT HINGE 2-REQ'D
1/4 x 3/8 BALSA
1/8 SHEET BALSA 4-REQ'D
1/4 x 3/8 x 7 1/2" LG. BALSA
1/8 x 3/8 SHEET BALSA DOUBLE BOTTOM SHEET AS SHOWN BELOW ON RIB R-6
1/16 SHEET BALSA BOTH SIDES
ASS'Y SHOWN READY TO GLUE UNTO FUSELAGE
BALSA FILLET SANDWICH BETWEEN V-2 RIBS, CUTOUT AND FIT AS SHOWN
SECTION G-G
1/4 SHEET BALSA
SECTION F-F
1/8 SQ. SPRUCE
3-48 x 3/8" LG. SCR.
1/4 HARD SHEET BALSA LAMINATE
BATTERY PACK
HEATHKIT RECEIVER 6DA-57-2
HEATHKIT SERVO 6DA-19-4
1/8 DIA. DOWEL
1/8 SQ. HARD BALSA DIAGONALS
1/4 SQ. SPRUCE
1/8 SQ. BALSA PUSHRODS AS SHOWN 2-REQ'D EPOXY AND WRAP WITH THREAD 1/16 DIA. MUSIC WIRE RODS
1/8 SHEET BALSA HOLE FOR PUSH ROD THIS SIDE ONLY 2-REQ'D
1/8 x 3/8 BALSA
1/8 x 3/8 BALSA
3/4 x 1 BALSA BLOCK
GRAUPNER CONTROL HORN ASS'Y
3-48 BLIND NUT EPOXY IN PLACE
BUILDING BOARD
1/8 SQ. SPRUCE
1/8 x 3/8 x 4 3/4" LG. HARDWOOD
1/8 SHEET BALSA 2-REQ'D
1/8 PLYWOOD 2-REQ'D
1/8 PLYWOOD
4-40 BLIND NUT EPOXY IN PLACE 2-REQ'D
4-40 x 1" LG. SCR. 2-REQ'D
ADJUSTABLE TOWHOOK R.A.I. MODEL SUPPLY 112 W. MISSION LANE PHOENIX, ARIZONA
NOTE: RIBS V-3, V-4, V-5, V-6, V-7, R-1, R-2, R-3, R-4, R-5 AND R-6 1/8 SHEET BALSA
RIB V-8 1/8 SHEET BALSA RIBS V-7 AND V-8 MUST BE CUT IN HALF DOWN 1/8" TO ASS'Y TO RUDDER
TECHNICAL DATA
WING: SPAN — 125"
AREA — 900 SQ. IN.
ASPECT RATIO — 17.2:1
FUSELAGE: OVERALL LENGTH — 53.92"
FLYING WEIGHT: 52.0 OZ.
WING LOADING: 5.74 OZ/100 SQ. IN.
FINISHED WEIGHTS
WING — 16.5 OZ.
STAB — 1.5 OZ.
FUSELAGE — 17.1 OZ.
RADIO — 12.2 OZ.
WING WIRES, STAB WIRES AND BALLAST — 4.7 OZ.
CONTEST PERFORMANCE
1971 NATIONALS 3RD CHICAGO,
1971 INTERNATS 3RD DOYLESTOWN
1971 2ND LANSING
1971 8TH PLYMOUTH
1971 1ST PLYMOUTH
BEST ORIGINAL DESIGN AWARD AT 1971 NATIONALS.
PLATE 1 OF 2
Snoopy
DESIGNED BY OTTO HEITHECKER
DRAWN BY OTTO HEITHECKER
0 1 2 3 4 5 6
498


1/8 SQ. BALSA WASHOUT JIG
HOOK
WASHOUT JIG
SECTION J-J
1/4 SQ. SOFT BALSA
SECTION K-K
1/4 x 1/4 HARD BALSA LEADING EDGE
3/8 x 1/2 HARD BALSA
SPLICE
SECTION L-L
1/4 x 3/8 CAP STRIPS TOP & BOTTOM, TYP
1/4 x 3/16 SHEET BALSA TOP & BOTTOM (BEVEL TOP SHEET-SEE END RIB DETAIL)
3/8 x 3/8 SPRUCE SPARS TOP & BOTTOM.
1/16 SHEET BALSA TOP & BOTTOM
NOTE: 1/16 SHEET BALSA USED FOR ALL WEBBING NOT SPECIFIED PLYWOOD (VERTICAL GRAIN ON ALL WEBBING)
3/8 SQ. SPRUCE BOTTOM ONLY
1/4 SQ. HARD BALSA
3/8 HARD BALSA
1/16 SHEET BALSA TOP AND BOTTOM
3/32 I.D. BRASS TUBING EPOXY IN PLACE
1/4 SQ. HARD BALSA FILL IN 1/2 S SPACES.
1/4 x 1/4 x 1/2 HARDWOOD
3/8 x 3/8 SPRUCE FILL IN 1/2 S SPACES
3/32 I.D. BRASS TUBING EPOXY IN PLACE
1/16 PLYWOOD IN PLACES MARKED
3/8 PLYWOOD
1/16 PLYWOOD
3/8 HARD BALSA SHEET
NOTE: WING RIBS W8 THRU W33 SHEET BALSA
NOTE: USE BALSA RIBS W1 THR W4 AS TEMPLATES TO MAKE PLYWOOD RIBS
1/8 HARD SHEET BALSA FILL-IN EPOXY IN PLACE INCLUDING 1/8 PLYWOOD WEBBING IN THIS AREA ONLY
SECTION (1)-(1)
1/16 BALSA RIB DOUBLER
1/16 PLYWOOD RIBS
NOTE: RIBS E1 DOUBLER, E3, E4, E5 E6, E7, E8, E9 & E10 SHEET BALSA
3/8 x 3/8 HARD BALSA SPAR TOP & BOTTOM
3/8 SQ. HARD BALSA
3/32 I.D. BRASS TUBING EPOXY IN PLACE GROUND ONE END AS SHOWN PLACE OTHER END AS SHOWN
1/4 x 1/4 BALSA
1/16 SHEET BALSA BEVEL BOTTOM SHEET-SEE END RIB DETAIL
EXISTING HOLES FROM STACK RIBING
1/8 SHEET BALSA
SECTION M-M
NOTE: USE BALSA RIBS E1 & E2 AS TEMPLATES FOR PLYWOOD RIBS E1 & E2.
DRILL HOLES TO SUIT FOR STACKING SHEET BALSA
ROOT RIB TEMPLATE 1/4 ALUM.
STAB TEMPLATES
TIP RIB TEMPLATE 1/4 ALUM.
WING TEMPLATES
1/16 SHEET BALSA (REF)
1/16 PLYWOOD (REF)
1/16 PLYWOOD (REF)
SECTION N-N
TIP RIB TEMPLATE THIS END
BOLT THRU
ROOT RIB TEMPLATE
1/16 SHEET BALSA STRIPS - CARVE AND SAND TO TEMPLATES
PLATE 2 OF 2
Snoopy
DESIGNED BY OTTO HEITHECKER
DRAWN BY OTTO HEITHECKER
0 1 2 3 4 5 6
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