FRONT & REAR SPAR DIHEDRAL BRACES 1/8" PLY
BALSA FILL IN TO FIT FUSELAGE
1/8" DOWEL
1/8" THICK BALSA
1/8" PLY 1.5"
FILLY WING TIPS DIHEDRAL AREA FRONT VIEW
1/8" PLY DIHEDRAL BRACE
1/8" PLY 2.5"
1/8" PLY DIHEDRAL BRACE
1/8" UNDERWOOD FILL IN AT WINGS
1/8" LE
1/8" TE
1/8" PLY SHEAR WEBS
1/8" PLY SHEAR WEBS
1/8" BALSA WING SKIN INCL. AILERON & FLAPS
1/8" x 1/8" UNDERWOOD TOP & BOT. STRIP
1/8" x 1/8" UNDERWOOD
1/8" x 1/8" UNDERWOOD TOP & BOT. STRIP
1/8" SHEET
1/8" PLY SHEAR WEBS
1/8" LE
1/8" TE
1/8" LE
BALSA BLOCK
AILERON SERVO
FLAP SERVO
RETRACT UNIT
HINGE
HINGE LOCATIONS
LINE OF SKIN OVERLAP
LINE OF SKIN OVERLAP ON FLAP
VISE BOLT
1/8" PLY 1/2" TOP & BOT. NOTCH INTO 1/8 PLY
DROP HINGE BOLT RETAINING PINS
INSTALL BALSA BLOCKS IN WING AND AILERON AT HINGE LOCATIONS FOR LARGE HINGE POINTS WITH PLASTIC OR METAL SLEEVES IN WING CUT NOTCH FOR AILERON TUBE MOVEMENT CLEARANCE
1/8" BLOCK POINT- MOUNT INSERTS OR METAL SLEEVE IN WING BALSA BLOCK - BLOCK IN AILERON
AILERON HINGING
INSTALL TOP BALSA SKIN L.E. TO TOP STRIP
INSTALL 1/16" PLY SHEAR WEBS
BALSA SUPPORT
BOT. SKIN FLIT ON BLOCK SHARP
FLAP AND AILERON CAN BE BUILT WITH SAME CONSTRUCTION CUT LAYER AT BOTTOM SHEETING
TEMPORARY BLOCK SUPPORTS
CONTINUOUS SHEAR WEBS FOR 1/16" BALSA, DOUBLE FROM BLOCK. BEVEL AGAIN AT BLOCK E/D.
DESIGNER'S WING CONSTRUCTION METHOD
NO SCALE
EMB TUCANO
DON SMITH
R/C AIRCRAFT PLANS
PRECISION CUT KITS
SHEET
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