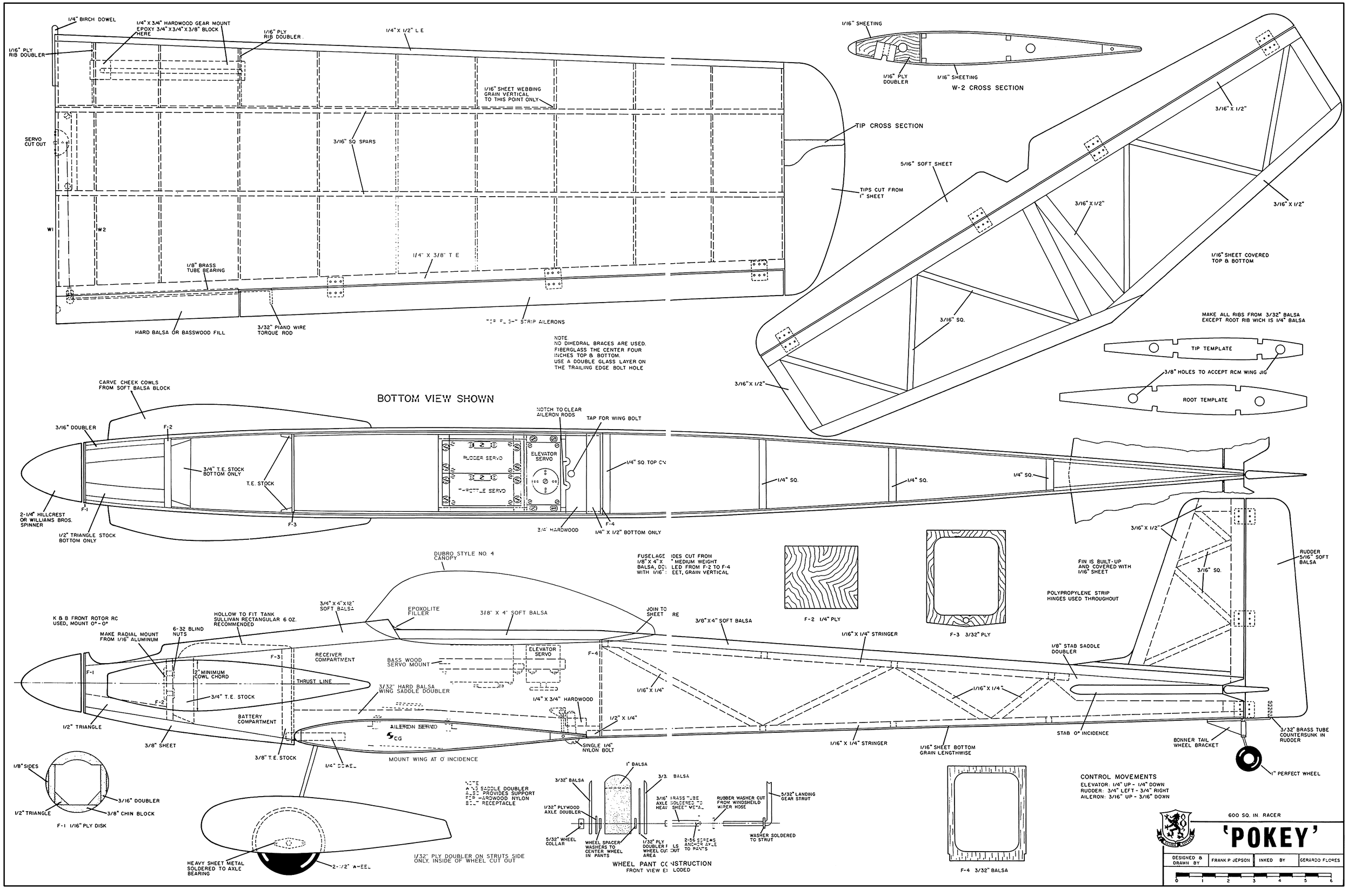
1/4" BIRCH DOWEL
1/4" X 3/4" HARDWOOD GEAR MOUNT EPOXY 3/4" X 3/4" X 3/8" BLOCK HERE
1/16" PLY RIB DOUBLER.
1/4" X 1/2" L E
1/16" PLY RIB DOUBLER
1/16" SHEET WEBBING GRAIN VERTICAL TO THIS POINT ONLY
SERVO CUT OUT
3/16" SQ SPARS
TIP CROSS SECTION
TIPS CUT FROM 1" SHEET
W1
W2
1/8" BRASS TUBE BEARING
1/4" X 3/8" T E
HARD BALSA OR BASSWOOD FILL
3/32" PIANO WIRE TORQUE ROD
TOP FLAP STRIP AILERONS
NOTE
NO DIHEDRAL BRACES ARE USED.
FIBERGLASS THE CENTER FOUR INCHES TOP & BOTTOM.
USE A DOUBLE GLASS LAYER ON THE TRAILING EDGE BOLT HOLE
1/16" SHEETING
1/16" PLY DOUBLER
1/16" SHEETING
W-2 CROSS SECTION
3/16" X 1/2"
5/16" SOFT SHEET
3/16" X 1/2"
3/16" X 1/2"
1/16" SHEET COVERED TOP & BOTTOM
3/16" SQ.
MAKE ALL RIBS FROM 3/32" BALSA EXCEPT ROOT RIB WICH IS 1/4" BALSA
TIP TEMPLATE
3/8" HOLES TO ACCEPT RCM WING JIG
ROOT TEMPLATE
3/16" X 1/2"
BOTTOM VIEW SHOWN
CARVE CHEEK COWLS FROM SOFT BALSA BLOCK
3/16" DOUBLER
F-2
NOTCH TO CLEAR AILERON RODS
TAP FOR WING BOLT
RUDDER SERVO
ELEVATOR SERVO
THROTTLE SERVO
3/4" T.E. STOCK BOTTOM ONLY
T.E. STOCK
1/4" SQ. TOP CN
1/4" SQ.
1/4" SQ.
1/4" SQ.
2-1/4" HILLCREST OR WILLIAMS BROS. SPINNER
F-1
F-3
1/2" TRIANGLE STOCK BOTTOM ONLY
3/4" HARDWOOD
F-4
1/4" X 1/2" BOTTOM ONLY
3/16" X 1/2"
RUDDER 5/16" SOFT BALSA
3/16" SQ.
FIN IS BUILT-UP AND COVERED WITH 1/16" SHEET
POLYPROPYLENE STRIP HINGES USED THROUGHOUT
DUBRO STYLE NO. 4 CANOPY
FUSELAGE SIDES CUT FROM 1/8" X 4" X " MEDIUM WEIGHT BALSA, DOUBLED FROM F-2 TO F-4 WITH 1/16" SHEET, GRAIN VERTICAL
F-2 1/4" PLY
F-3 3/32" PLY
K & B FRONT ROTOR RC USED, MOUNT 0° - 0°
MAKE RADIAL MOUNT FROM 1/16" ALUMINUM
6-32 BLIND NUTS
HOLLOW TO FIT TANK SULLIVAN RECTANGULAR 6 OZ. RECOMMENDED
3/4" X 4" X 12" SOFT BALSA
EPOXOLITE FILLER
3/8" X 4" SOFT BALSA
JOIN TO SHEET RE
3/8" X 4" SOFT BALSA
1/16" X 1/4" STRINGER
1/8" STAB SADDLE DOUBLER
F-1
F-3
RECEIVER COMPARTMENT
BASS WOOD SERVO MOUNT
ELEVATOR SERVO
F-4
12" MINIMUM COWL CHORD
THRUST LINE
3/32" HARD BALSA WING SADDLE DOUBLER
1/16" X 1/4"
1/16" X 1/4"
F-2
3/4" T.E. STOCK
1/4" X 3/4" HARDWOOD
1/2" X 1/4"
BATTERY COMPARTMENT
AILERON SERVO
CG
1/2" TRIANGLE
3/8" SHEET
3/8" T.E. STOCK
1/4" DOWEL
MOUNT WING AT 0° INCIDENCE
SINGLE 1/4" NYLON BOLT
1/16" X 1/4" STRINGER
1/16" SHEET BOTTOM GRAIN LENGTHWISE
STAB 0° INCIDENCE
BONNER TAIL WHEEL BRACKET
3/32" BRASS TUBE COUNTERSUNK IN RUDDER
1" PERFECT WHEEL
1/8" SIDES
3/16" DOUBLER
1/2" TRIANGLE
3/8" CHIN BLOCK
F-1 1/16" PLY DISK
HEAVY SHEET METAL SOLDERED TO AXLE BEARING
2-1/2" WHEEL
NOTE
AILERON SADDLE DOUBLER ALSO PROVIDES SUPPORT FOR HARDWOOD NYLON BOLT RECEPTACLE
1" BALSA
3/32" BALSA
3/32" BALSA
1/32" PLYWOOD AXLE DOUBLER
3/16" BRASS TUBE AXLE SOLDERED TO HEAVY SHEET METAL
RUBBER WASHER CUT FROM WINDSHEILD WIPER HOSE
5/32" LANDING GEAR STRUT
5/32" WHEEL COLLAR
WHEEL SPACER WASHERS TO CENTER WHEEL IN PANTS
1/32" PLY DOUBLER FOR WHEEL CUT OUT AREA
2-56 SCREWS ANCHORS AXLE TO PANTS
WASHER SOLDERED TO STRUT
1/32" PLY DOUBLER ON STRUTS SIDE ONLY, INSIDE OF WHEEL CUT OUT
WHEEL PANT CONSTRUCTION
FRONT VIEW EXPLODED
F-4 3/32" BALSA
CONTROL MOVEMENTS
ELEVATOR: 1/4" UP - 1/4" DOWN
RUDDER: 3/4" LEFT - 3/4" RIGHT
AILERON: 3/16" UP - 3/16" DOWN
600 SQ. IN. RACER
'POKEY'
DESIGNED & DRAWN BY
FRANK P JEPSON
INKED BY
GERARDO FLORES
0 1 2 3 4 5 6