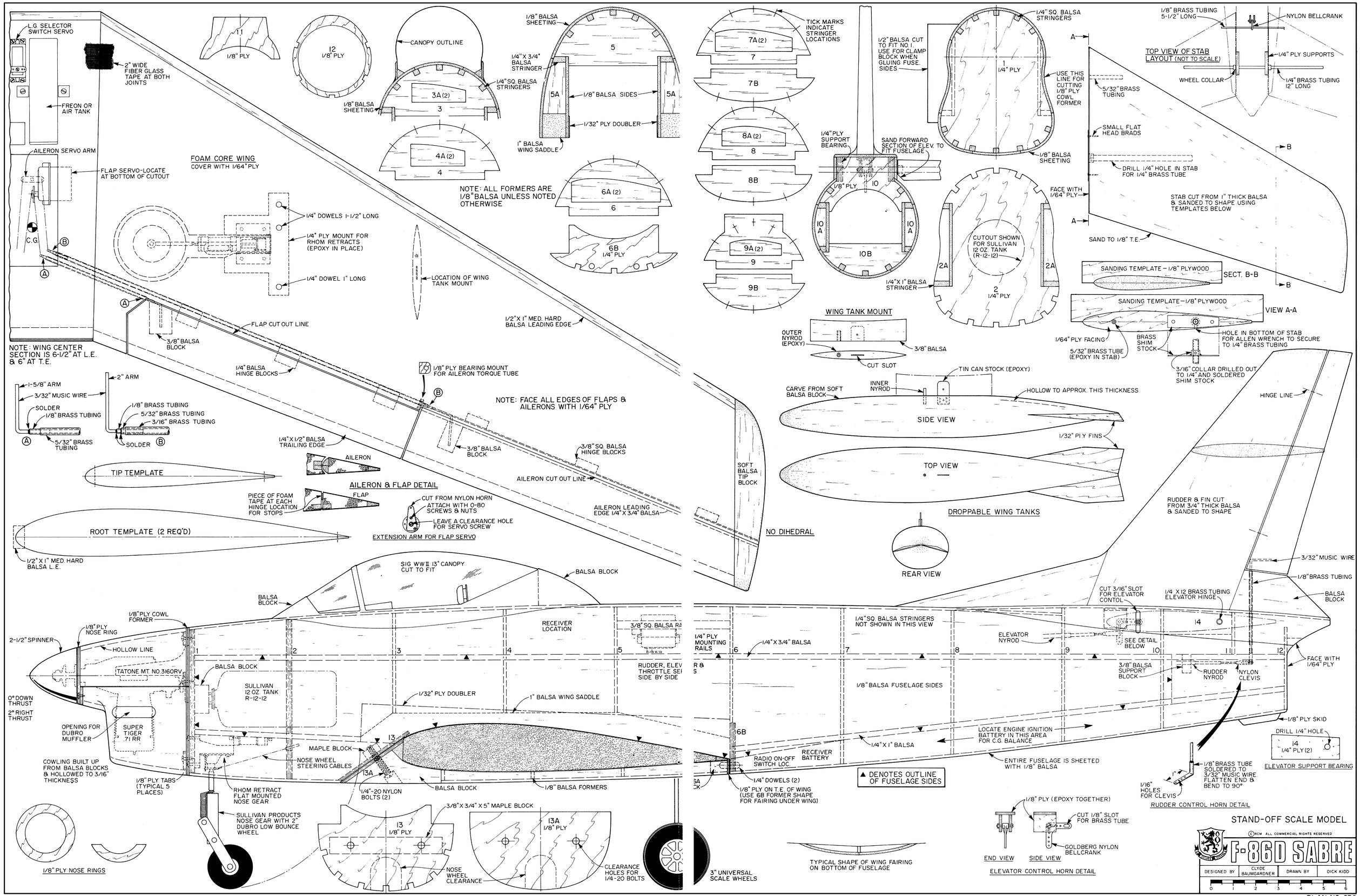
L.G. SELECTOR SWITCH SERVO
2" WIDE FIBER GLASS TAPE AT BOTH JOINTS
FREON OR AIR TANK
AILERON SERVO ARM
FLAP SERVO-LOCATE AT BOTTOM OF CUTOUT
C.G.
FOAM CORE WING
COVER WITH 1/64" PLY
1/4" DOWELS 1-1/2" LONG
1/4" PLY MOUNT FOR RHOM RETRACTS (EPOXY IN PLACE)
1/4" DOWEL 1" LONG
LOCATION OF WING TANK MOUNT
1/2" X 1" MED. HARD BALSA LEADING EDGE
FLAP CUT OUT LINE
3/8" BALSA BLOCK
1/4" BALSA HINGE BLOCKS
NOTE: WING CENTER SECTION IS 6-1/2" AT L.E. & 6" AT T.E.
1/8" PLY
CANOPY OUTLINE
1/8" BALSA SHEETING
1/4" SQ. BALSA STRINGERS
1/8" BALSA SHEETING
1/4" X 3/4" BALSA STRINGER
1/8" BALSA SIDES
1/32" PLY DOUBLER
1" BALSA WING SADDLE
NOTE: ALL FORMERS ARE 1/8" BALSA UNLESS NOTED OTHERWISE
1/8" PLY BEARING MOUNT FOR AILERON TORQUE TUBE
NOTE: FACE ALL EDGES OF FLAPS & AILERONS WITH 1/64" PLY
1-5/8" ARM
3/32" MUSIC WIRE
SOLDER
1/8" BRASS TUBING
5/32" BRASS TUBING
2" ARM
1/8" BRASS TUBING
5/32" BRASS TUBING
3/16" BRASS TUBING
SOLDER
1/4" X 1/2" BALSA TRAILING EDGE
AILERON
3/8" BALSA BLOCK
3/8" SQ. BALSA HINGE BLOCKS
AILERON CUT OUT LINE
AILERON LEADING EDGE 1/4" X 3/4" BALSA
TIP TEMPLATE
AILERON & FLAP DETAIL
PIECE OF FOAM TAPE AT EACH HINGE LOCATION FOR STOPS
FLAP
CUT FROM NYLON HORN
ATTACH WITH 0-80 SCREWS & NUTS
LEAVE A CLEARANCE HOLE FOR SERVO SCREW
EXTENSION ARM FOR FLAP SERVO
ROOT TEMPLATE (2 REQ'D)
1/2" X 1" MED. HARD BALSA L.E.
TICK MARKS INDICATE STRINGER LOCATIONS
7A (2)
7
7B
8A (2)
8
8B
9A (2)
9
9B
1/2" BALSA CUT TO FIT NO 1. USE FOR CLAMP BLOCK WHEN GLUING FUSE. SIDES
1/4" PLY SUPPORT BEARING
SAND FORWARD SECTION OF ELEV. TO FIT FUSELAGE
1/8" PLY
10
10A
10B
1/4" X 1" BALSA STRINGER
1/4" SQ. BALSA STRINGERS
1/4" PLY
USE THIS LINE FOR CUTTING 1/8" PLY COWL FORMER
1/8" BALSA SHEETING
CUTOUT SHOWN FOR SULLIVAN 12 OZ. TANK (R-12-12)
2A
2
1/4" PLY
WING TANK MOUNT
OUTER NYROD (EPOXY)
3/8" BALSA
CUT SLOT
1/8" BRASS TUBING 5-1/2" LONG
NYLON BELLCRANK
TOP VIEW OF STAB LAYOUT (NOT TO SCALE)
1/4" PLY SUPPORTS
WHEEL COLLAR
1/4" BRASS TUBING 12" LONG
5/32" BRASS TUBING
SMALL FLAT HEAD BRADS
DRILL 1/4" HOLE IN STAB FOR 1/4" BRASS TUBE
FACE WITH 1/64" PLY
STAB CUT FROM 1" THICK BALSA & SANDED TO SHAPE USING TEMPLATES BELOW
SAND TO 1/8" T.E.
SANDING TEMPLATE - 1/8" PLYWOOD
SECT. B-B
SANDING TEMPLATE - 1/8" PLYWOOD
VIEW A-A
1/64" PLY FACING
5/32" BRASS TUBE (EPOXY IN STAB)
BRASS SHIM STOCK
HOLE IN BOTTOM OF STAB FOR ALLEN WRENCH TO SECURE TO 1/4" BRASS TUBING
3/16" COLLAR DRILLED OUT TO 1/4" AND SOLDERED SHIM STOCK
TIN CAN STOCK (EPOXY)
CARVE FROM SOFT BALSA BLOCK
INNER NYROD
HOLLOW TO APPROX. THIS THICKNESS
SIDE VIEW
1/32" PLY FINS
TOP VIEW
DROPPABLE WING TANKS
SOFT BALSA TIP BLOCK
NO DIHEDRAL
REAR VIEW
HINGE LINE
RUDDER & FIN CUT FROM 3/4" THICK BALSA & SANDED TO SHAPE
3/32" MUSIC WIRE
1/8" BRASS TUBING
BALSA BLOCK
CUT 3/16" SLOT FOR ELEVATOR CONTOL
1/4 X 12 BRASS TUBING ELEVATOR HINGE
SIG WWII 13" CANOPY CUT TO FIT
BALSA BLOCK
BALSA BLOCK
1/8" PLY COWL FORMER
1/8" PLY NOSE RING
2-1/2" SPINNER
HOLLOW LINE
TATONE MT. NO. 3160RV
BALSA BLOCK
SULLIVAN 12 OZ. TANK R-12-12
0° DOWN THRUST
2° RIGHT THRUST
OPENING FOR DUBRO MUFFLER
SUPER TIGER .71 RR
COWLING BUILT UP FROM BALSA BLOCKS & HOLLOWED TO 3/16" THICKNESS
1/8" PLY TABS (TYPICAL 5 PLACES)
RHOM RETRACT FLAT MOUNTED NOSE GEAR
SULLIVAN PRODUCTS NOSE GEAR WITH 2" DUBRO LOW BOUNCE WHEEL
1/8" PLY NOSE RINGS
RECEIVER LOCATION
3/8" SQ. BALSA RA
RUDDER, ELEV THROTTLE SE SIDE BY SIDE
1/32" PLY DOUBLER
1" BALSA WING SADDLE
MAPLE BLOCK
NOSE WHEEL STEERING CABLES
13
13A
1/4"-20 NYLON BOLTS (2)
BALSA BLOCK
1/8" BALSA FORMERS
3/8" X 3/4" X 5" MAPLE BLOCK
13 1/8" PLY
13A 1/8" PLY
NOSE WHEEL CLEARANCE
CLEARANCE HOLES FOR 1/4-20 BOLTS
3" UNIVERSAL SCALE WHEELS
1/4" PLY MOUNTING RAILS
1/4" X 3/4" BALSA
1/4" SQ. BALSA STRINGERS NOT SHOWN IN THIS VIEW
ELEVATOR NYROD
SEE DETAIL BELOW
14
FACE WITH 1/64" PLY
3/8" BALSA SUPPORT BLOCK
RUDDER NYROD
NYLON CLEVIS
1/8" BALSA FUSELAGE SIDES
1/8" PLY SKID
DRILL 1/4" HOLE
14 1/4" PLY (2)
ELEVATOR SUPPORT BEARING
LOCATE ENGINE IGNITION BATTERY IN THIS AREA FOR C.G. BALANCE
1/4" X 1" BALSA
RECEIVER BATTERY
RADIO ON-OFF SWITCH LOC.
1/4" DOWELS (2)
1/8" PLY ON T.E. OF WING (USE 6B FORMER SHAPE FOR FAIRING UNDER WING)
ENTIRE FUSELAGE IS SHEETED WITH 1/8" BALSA
▲ DENOTES OUTLINE OF FUSELAGE SIDES
1/8" BRASS TUBE SOLDERED TO 3/32" MUSIC WIRE. FLATTEN END & BEND TO 90°
1/16" HOLES FOR CLEVIS
RUDDER CONTROL HORN DETAIL
TYPICAL SHAPE OF WING FAIRING ON BOTTOM OF FUSELAGE
1/8" PLY (EPOXY TOGETHER)
CUT 1/8" SLOT FOR BRASS TUBE
GOLDBERG NYLON BELLCRANK
END VIEW
SIDE VIEW
ELEVATOR CONTROL HORN DETAIL
STAND-OFF SCALE MODEL
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0 1 2 3 4 5 6
PLAN NO. 630