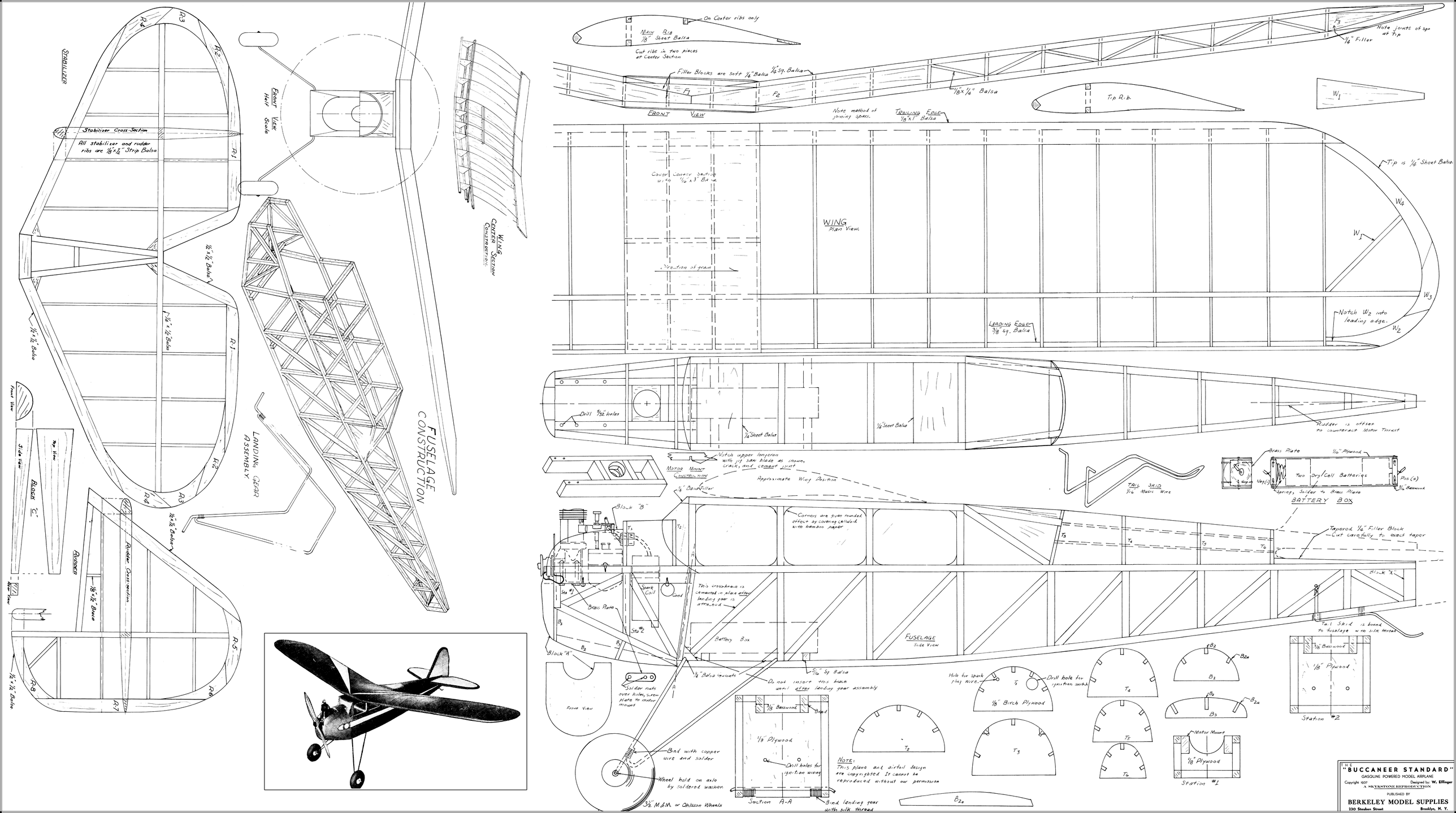
STABILIZER
Stabilizer Cross-Section
All stabilizer and rudder ribs are 1/8"x1/2" Strip Balsa
R1
R2
R3
R4
1/8"x1/2" Balsa
Front View
Side View
Top View
Bottom View
BLOCK "C"
RUDDER
Rudder Cross-Section
1/8"x1/2" Brace
FRONT VIEW
Half Scale
LANDING GEAR ASSEMBLY
FUSELAGE CONSTRUCTION
WING CENTER SECTION CONSTRUCTION
R5
R6
R7
R8
1/8"x1/2" Balsa
MAIN RIB
1/8" Sheet Balsa
On Center ribs only
Cut ribs in two pieces at Center Section
Filler Blocks are Soft 1/4" Balsa
1/4" Sq. Balsa
F1
F2
F3
1/8"x1/4" Balsa
1/4" Filler
Note joints of spar at tip
FRONT VIEW
Note method of joining spars.
TRAILING EDGE
1/8"x1" Balsa
Tip Rib.
W1
Cover Center Section with 1/16"x3" Balsa
WING
Plan View.
Direction of grain
Tip is 1/4" Sheet Balsa
W4
W3
W2
Notch W2 into leading edge.
LEADING EDGE
3/8 Sq. Balsa
Drill 5/32" holes
1/4" Sheet Balsa
Rudder is offset to counteract Motor Thrust
MOTOR MOUNT CONSTRUCTION
Notch upper longeron with jig saw blade as shown, crack, and cement joint
Approximate Wing Position
1/4" Balsa Filler
TAIL SKID
1/16" Music Wire
Brass Plate
1/16" Plywood
Two Dry Cell Batteries
Pos (+)
Neg (-)
1/16" Basswood
Springs, Solder to Brass Plate
BATTERY BOX
Block "B"
Corners are gun rounded, effect by covering cockpit with bamboo paper.
Tapered 1/2" Filler Block
Cut carefully to exact taper
T1
T2
T3
T4
T5
T6
Block "X"
Sta #1
Spark Coil
Land
This crossbrace is cemented in place after landing gear is attached.
Brass Plate
Sta #2
Battery Box
FUSELAGE
Side View
Tail Skid is bound to fuselage with silk thread
B1
B2
Block "A"
1/4" Balsa Gussets
5/16" Sq. Balsa
Do not insert this brace until after landing gear assembly
Solder nuts over holes, screw plate to motor mount
Front View
Hole for spark plug wire.
Drill hole for ignition switch
1/8" Birch Plywood
B2a
B3a
1/8" Basswood
1/8" Plywood
Station #2
Motor Mount
Station #1
1/8" Basswood
Brad
1/8" Plywood
Drill holes for ignition wiring
Section A-A
Bind with copper wire and solder
Wheel held on axle by soldered washer.
3½" M.&M. or Ohlsson Wheels
Bind landing gear with silk thread
NOTE:
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