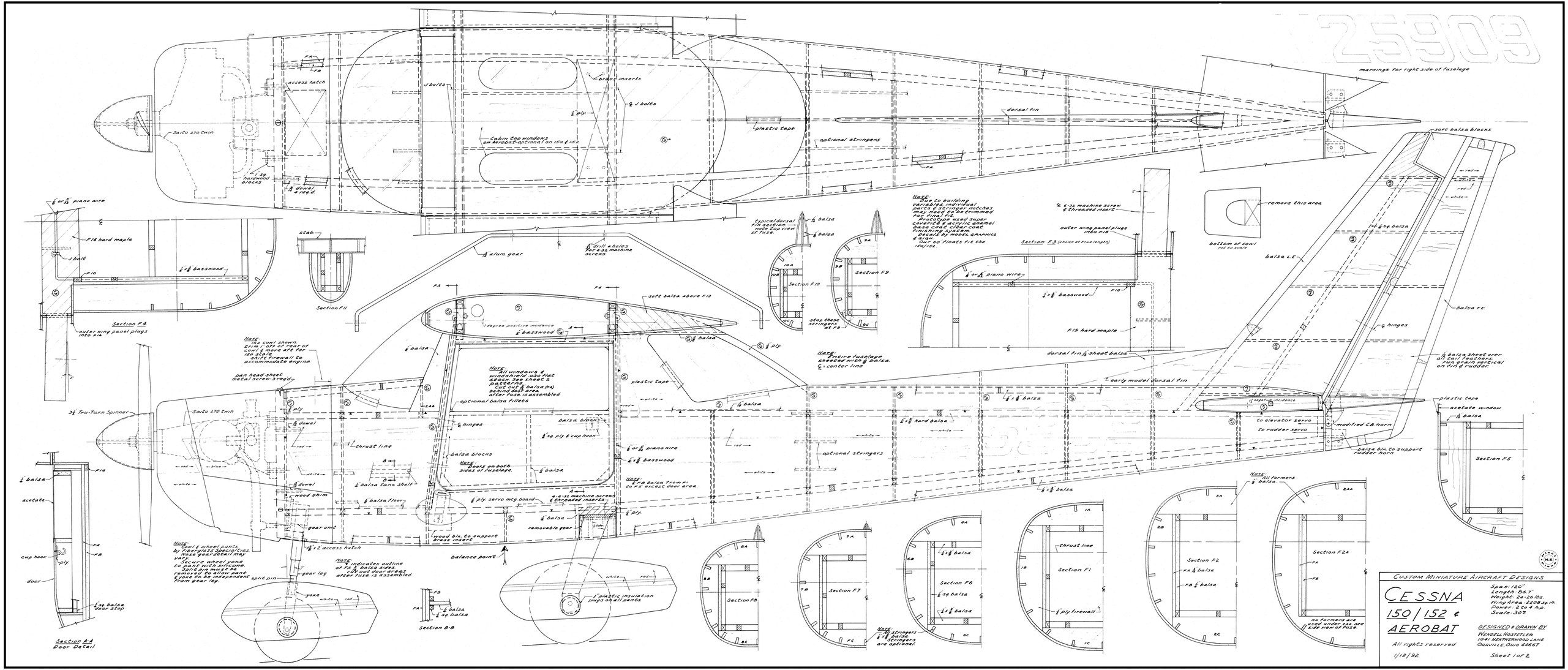
Saito 270 thin
access hatch
J bolts
brass inserts
1/8 ply
1/4 J bolts
Cabin top windows on Aerobat-optional on 150 & 152
plastic tape
optional stringers
dorsal fin
markings for right side of fuselage
soft balsa blocks
1/8 hardwood blocks
1/4 dowel x reqd
1/8 or 1/16 piano wire
F14 hard maple
J bolt
F16
1/8 x 1/8 basswood
Section F4
outer wing panel plugs into F16
stab
Section F11
1/4 alum gear
Drill 4 holes for 4-40 machine screws.
typical dorsal fin section. Note top view of fuse.
1/8 balsa
Section F10
Section F9
stop these stringers at F9
Note: Due to building variables, individual parts & stringer notches must be fitted & be trimmed for best fit.
Prototype used Super-covering & acrylic enamel base coat clear coat finishing system.
Decals by model graphics & sign-on floats f/t the 150/152.
1/4 6-32 machine screw & threaded insert
outer wing panel plugs into F16
Section F3 (shown at true length)
1/8 or 1/16 piano wire
1/8 x 1/8 basswood
F16 hard maple
remove this area
bottom of cowl not to scale
1/8 x 3/4 balsa
balsa L.E.
balsa T.E.
hinges
1/8 balsa sheet over all tail feathers. run grain vertical on F14 & rudder.
Note: Cowl shown. Trim 1 div. of rear of cowl & move aft for 150 Aerobat. Shift firewall to accommodate engine.
pan head sheet metal screw-3 req'd
3 1/2 Tru-Turn Spinner
Saito 270 thin
1/8 ply
1/4 dowel
thrust line
1/8 balsa
acetate
cup hook
door
1/8 x 1/8 balsa door stop
Section A-A Door Detail
1 degree positive incidence
1/8 basswood
1/8 balsa
1/8 ply
soft balsa above F13
Note: All windows & windshield .030 flat stock. Use sheet 2. F3 & F4 only. Cut out 1/8 balsa (F4) behind door area after fuse is assembled.
plastic tape
optional balsa fillets
hinges
balsa blocks
Note: Doors on both sides of fuselage.
1/8 balsa tank shelf
1/8 balsa floor
1/8 x 2 access hatch
gear unit
wood shim
balance point
1/8 ply servo mtg board
4-40 machine screws & threaded inserts
1/8 balsa
removable gear
wood blk to support brass insert
1/8 or 1/16 piano wire
1/8 x 1/8 basswood
Note: 1/8 x 1/8 balsa from F1 to F13 except door area.
1/8 ply
Note: Cowl & wings parts by Fiberglass Specialties. Use gear detail dwg.
Secure wheel yoke to gear with silicone. Split pin must be removed to allow gear yoke to be independent from gear leg.
split pin
yoke
gear leg
Note: indicates outline of 1/8 x 1/8 balsa strips. Cut out door areas after fuse. is assembled.
1/8 x 3/4 balsa
1/8 ply
1/8 hard balsa
optional stringers
dorsal fin 1/8 sheet balsa
early model dorsal fin
1/8 degree incidence
to elevator servo
to rudder servo
modified C.B. horn
balsa blk to support rudder horn
1/8 x 1/8 balsa
1/8 x 3/4 balsa
1/8 x 1/8 basswood
1/8 x 1/8 hard balsa
1/8 x 1/8 balsa
1/8 x 3/4 balsa
1/8 x 1/8 balsa
Section F8
Section F7
Section F6
Note: Stringers 1/8 x 1/8 balsa. Stringers are optional.
thrust line
Section F1
1/8 ply firewall
Note: All formers 1/8 balsa.
Section F2
1/8 x 1/8 balsa
Section F2A
no formers are used under fin. see side view of fuse.
plastic tape
acetate window
1/16 balsa
Section F5
1/8 x 1/8 balsa
1/8 x 3/4 balsa
Section B-B
1/8 x 3/4 balsa
1/8 x 3/4 balsa
1/8 x 1/8 balsa door stop
1/8 plastic insulation plugs on all panels.
Custom Miniature Aircraft Designs
CESSNA 150/152 & AEROBAT
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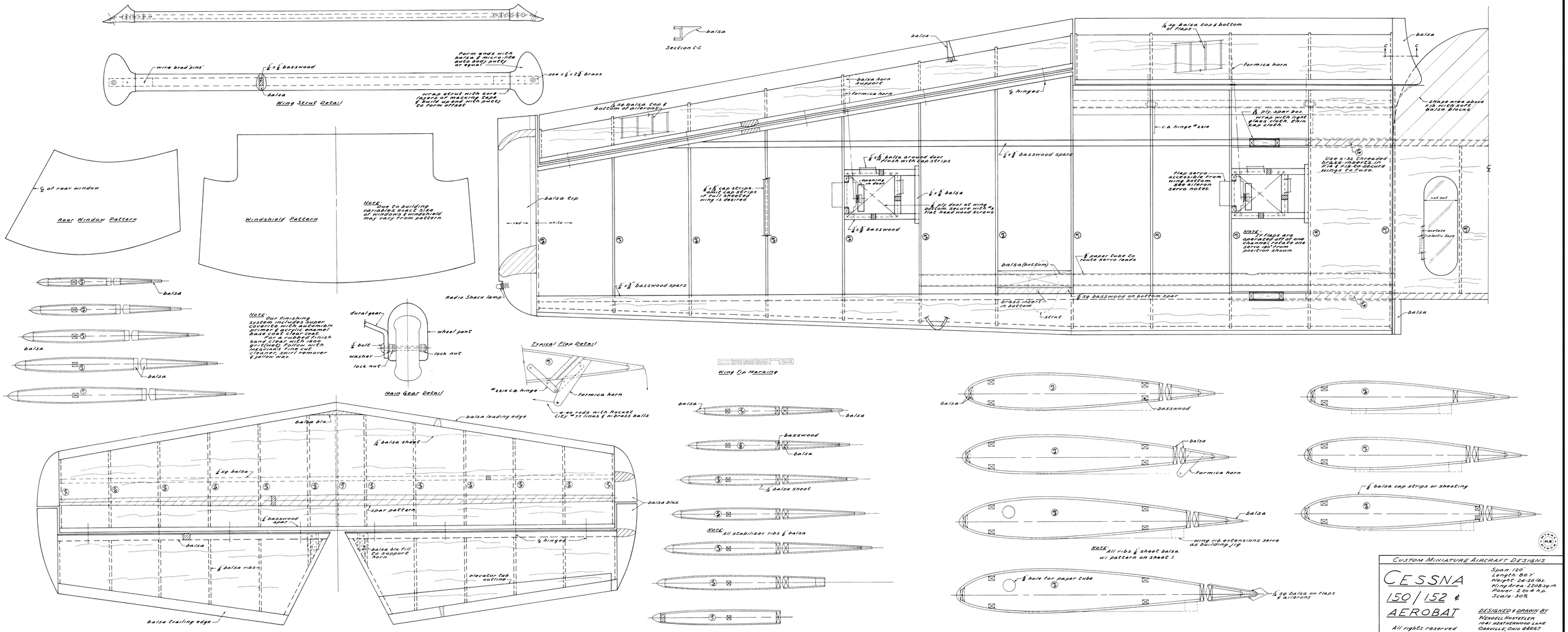
1/12/92
Span: 120"
Length: 86.5"
Weight: 24-26 lbs.
Wing Area: 2208 sq.in.
Power: 2 to 4 h.p.
Scale: 30%
DESIGNED & DRAWN BY:
WENDELL HOSTETLER
1041 HEATHERWOOD LANE
DRAYLLE, OHIO 44667
Sheet 1 of 2



CUSTOM MINIATURE AIRCRAFT DESIGNS

CESSNA 150/152 & AEROBAT

Span: 120"
Length: 85.7"
Weight: 24-26 lbs.
Wing Area: 2208 sq in.
Power: 2 Cox P.D.
Scale: 30%

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3/3/92

DESIGNED & DRAWN BY
HENRY L. HOSTETLER
104 HEATHERWOOD LANE
ORVILLE, OHIO 44667

Sheet 2 of 2