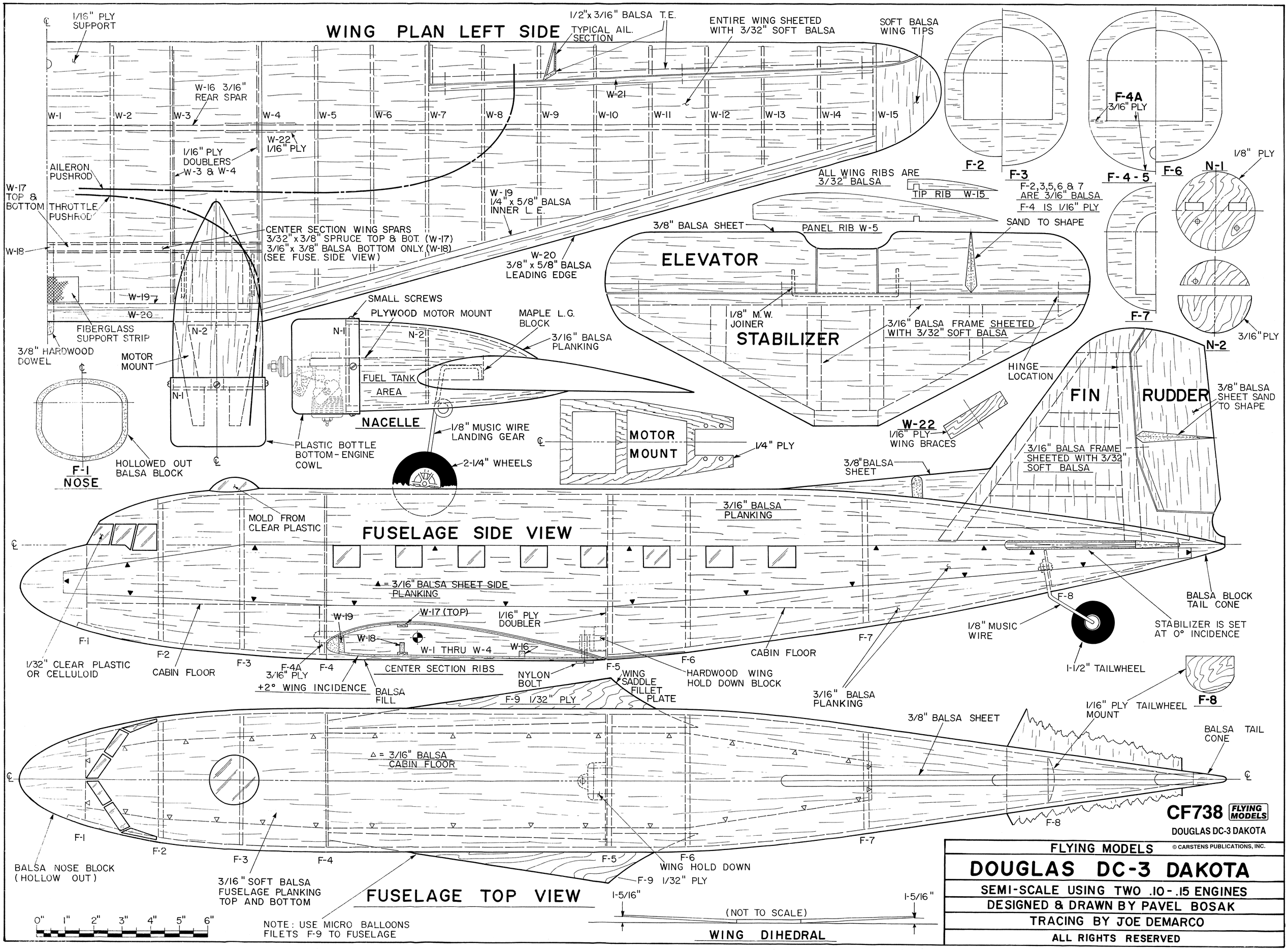
WING PLAN LEFT SIDE
1/16" PLY SUPPORT
1/2"x 3/16" BALSA T.E.
TYPICAL AIL. SECTION
ENTIRE WING SHEETED WITH 3/32" SOFT BALSA
SOFT BALSA WING TIPS
W-16 3/16" REAR SPAR
W-21
W-1
W-2
W-3
W-4
W-5
W-6
W-7
W-8
W-9
W-10
W-11
W-12
W-13
W-14
W-15
W-22 1/16" PLY
1/16" PLY DOUBLERS W-3 & W-4
AILERON PUSHROD
W-17 TOP & BOTTOM
THROTTLE PUSHROD
W-18
W-19 1/4" x 5/8" BALSA INNER L. E.
CENTER SECTION WING SPARS 3/32" x 3/8" SPRUCE TOP & BOT. (W-17) 3/16" x 3/8" BALSA BOTTOM ONLY. (W-18) (SEE FUSE. SIDE VIEW)
W-20 3/8" x 5/8" BALSA LEADING EDGE
W-19
W-20
FIBERGLASS SUPPORT STRIP
3/8" HARDWOOD DOWEL
MOTOR MOUNT
N-2
N-1
F-1 NOSE
HOLLOWED OUT BALSA BLOCK
SMALL SCREWS
PLYWOOD MOTOR MOUNT
MAPLE L.G. BLOCK
3/16" BALSA PLANKING
FUEL TANK AREA
NACELLE
PLASTIC BOTTOM-ENGINE COWL
1/8" MUSIC WIRE LANDING GEAR
2-1/4" WHEELS
MOTOR MOUNT
1/4" PLY
ALL WING RIBS ARE 3/32" BALSA
TIP RIB W-15
PANEL RIB W-5
3/8" BALSA SHEET
ELEVATOR
SAND TO SHAPE
1/8" M.W. JOINER
STABILIZER
3/16" BALSA FRAME SHEETED WITH 3/32" SOFT BALSA
HINGE LOCATION
W-22 1/16" PLY WING BRACES
3/8" BALSA SHEET
F-2
F-3
F-4A 3/16" PLY
F-4 - 5
F-6
F-7
F-2,3,5,6 & 7 ARE 3/16" BALSA
F-4 IS 1/16" PLY
N-1
1/8" PLY
N-2
3/16" PLY
FIN
RUDDER
3/8" BALSA SHEET SAND TO SHAPE
3/16" BALSA FRAME SHEETED WITH 3/32" SOFT BALSA
MOLD FROM CLEAR PLASTIC
FUSELAGE SIDE VIEW
3/16" BALSA PLANKING
▲ = 3/16" BALSA SHEET SIDE PLANKING
W-19
W-17 (TOP)
W-18
W-1 THRU W-4
W-16
1/16" PLY DOUBLER
CENTER SECTION RIBS
NYLON BOLT
WING SADDLE FILLET PLATE
F-9 1/32" PLY
HARDWOOD WING HOLD DOWN BLOCK
CABIN FLOOR
3/16" BALSA PLANKING
F-8
1/8" MUSIC WIRE
BALSA BLOCK TAIL CONE
STABILIZER IS SET AT 0° INCIDENCE
1-1/2" TAILWHEEL
1/16" PLY TAILWHEEL MOUNT
F-8
1/32" CLEAR PLASTIC OR CELLULOID
CABIN FLOOR
3/16" PLY
+2° WING INCIDENCE
BALSA FILL
F-1
F-2
F-3
F-4A
F-4
F-5
F-6
F-7
△ = 3/16" BALSA CABIN FLOOR
3/8" BALSA SHEET
BALSA TAIL CONE
BALSA NOSE BLOCK (HOLLOW OUT)
3/16" SOFT BALSA FUSELAGE PLANKING TOP AND BOTTOM
FUSELAGE TOP VIEW
WING HOLD DOWN
F-9 1/32" PLY
NOTE: USE MICRO BALLOONS FILETS F-9 TO FUSELAGE
0" 1" 2" 3" 4" 5" 6"
1-5/16"
1-5/16"
(NOT TO SCALE)
WING DIHEDRAL
CF738 FLYING MODELS
DOUGLAS DC-3 DAKOTA
FLYING MODELS
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DOUGLAS DC-3 DAKOTA
SEMI-SCALE USING TWO .10-.15 ENGINES
DESIGNED & DRAWN BY PAVEL BOSAK
TRACING BY JOE DEMARCO
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