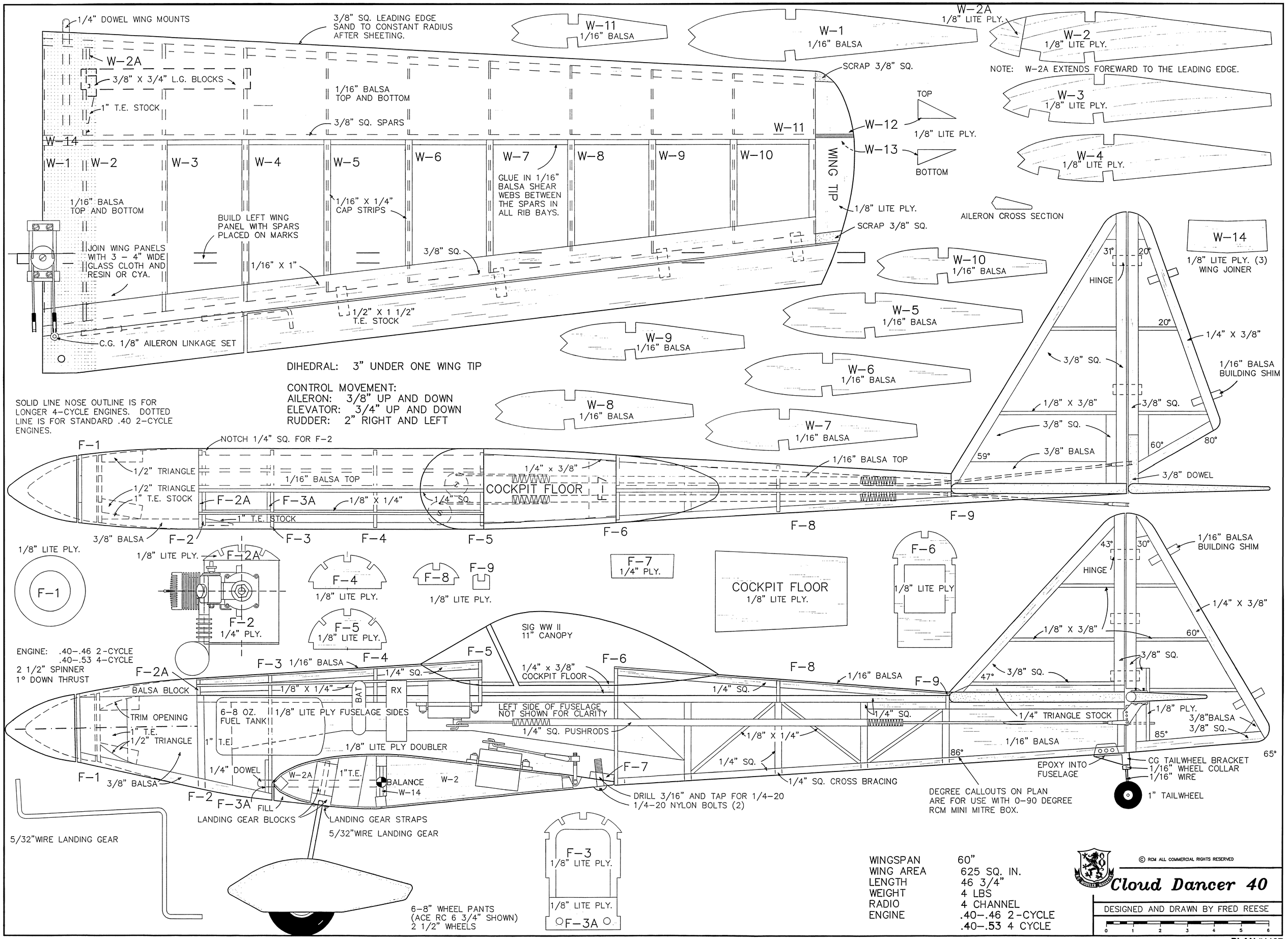
1/4" DOWEL WING MOUNTS
3/8" SQ. LEADING EDGE SAND TO CONSTANT RADIUS AFTER SHEETING.
W-2A
3/8" X 3/4" L.G. BLOCKS
1" T.E. STOCK
1/16" BALSA TOP AND BOTTOM
3/8" SQ. SPARS
W-14
W-1
W-2
W-3
W-4
W-5
W-6
W-7
W-8
W-9
W-10
W-11
W-12
W-13
WING TIP
GLUE IN 1/16" BALSA SHEAR WEBS BETWEEN THE SPARS IN ALL RIB BAYS.
1/16" BALSA TOP AND BOTTOM
1/16" X 1/4" CAP STRIPS
BUILD LEFT WING PANEL WITH SPARS PLACED ON MARKS
JOIN WING PANELS WITH 3 – 4" WIDE GLASS CLOTH AND RESIN OR CYA.
1/16" X 1"
3/8" SQ.
1/2" X 1 1/2" T.E. STOCK
C.G. 1/8" AILERON LINKAGE SET
SCRAP 3/8" SQ.
1/8" LITE PLY.
SCRAP 3/8" SQ.
W-11 1/16" BALSA
W-1 1/16" BALSA
W-2A 1/8" LITE PLY.
W-2 1/8" LITE PLY.
NOTE: W-2A EXTENDS FOREWARD TO THE LEADING EDGE.
W-3 1/8" LITE PLY.
W-4 1/8" LITE PLY.
TOP
1/8" LITE PLY.
BOTTOM
AILERON CROSS SECTION
W-10 1/16" BALSA
W-5 1/16" BALSA
W-9 1/16" BALSA
W-6 1/16" BALSA
W-8 1/16" BALSA
W-7 1/16" BALSA
W-14
1/8" LITE PLY. (3) WING JOINER
HINGE
31°
20°
20°
1/4" X 3/8"
1/16" BALSA BUILDING SHIM
3/8" SQ.
1/8" X 3/8"
3/8" SQ.
3/8" SQ.
3/8" BALSA
59°
60°
80°
3/8" DOWEL
DIHEDRAL: 3" UNDER ONE WING TIP
CONTROL MOVEMENT:
AILERON: 3/8" UP AND DOWN
ELEVATOR: 3/4" UP AND DOWN
RUDDER: 2" RIGHT AND LEFT
SOLID LINE NOSE OUTLINE IS FOR LONGER 4-CYCLE ENGINES. DOTTED LINE IS FOR STANDARD .40 2-CYCLE ENGINES.
F-1
NOTCH 1/4" SQ. FOR F-2
1/2" TRIANGLE
1/2" TRIANGLE
1" T.E. STOCK
1/16" BALSA TOP
F-2A
F-3A
1/8" X 1/4"
1/4" SQ.
1/4" x 3/8"
COCKPIT FLOOR
1/16" BALSA TOP
1" T.E. STOCK
3/8" BALSA
F-2
F-3
F-4
F-5
F-6
F-8
F-9
1/8" LITE PLY.
F-1
1/8" LITE PLY.
F-2A
F-2 1/4" PLY.
F-4 1/8" LITE PLY.
F-8 1/8" LITE PLY.
F-9
F-5 1/8" LITE PLY.
F-7 1/4" PLY.
COCKPIT FLOOR 1/8" LITE PLY.
F-6 1/8" LITE PLY
1/16" BALSA BUILDING SHIM
43°
30°
HINGE
1/4" X 3/8"
1/8" X 3/8"
60°
3/8" SQ.
3/8" SQ.
47°
ENGINE: .40–.46 2-CYCLE
.40–.53 4-CYCLE
2 1/2" SPINNER
1° DOWN THRUST
SIG WW II 11" CANOPY
F-3 1/16" BALSA
F-4
F-5
F-6
F-8
F-2A
1/4" SQ.
1/4" x 3/8" COCKPIT FLOOR
1/16" BALSA
F-9
BALSA BLOCK
1/8" X 1/4"
BAT
RX
1/4" SQ.
TRIM OPENING
6-8 OZ. FUEL TANK
1/8" LITE PLY FUSELAGE SIDES
LEFT SIDE OF FUSELAGE NOT SHOWN FOR CLARITY
1/4" SQ.
1/4" TRIANGLE STOCK
1/8" PLY.
3/8"BALSA
3/8" SQ.
1" T.E.
1/2" TRIANGLE
1" T.E.
1/4" SQ. PUSHRODS
1/8" X 1/4"
1/16" BALSA
85°
1/8" LITE PLY DOUBLER
1/4" SQ.
86°
65°
1/4" DOWEL
W-2A
1"T.E.
BALANCE
W-14
W-2
F-7
1/4" SQ. CROSS BRACING
EPOXY INTO FUSELAGE
CG TAILWHEEL BRACKET
1/16" WHEEL COLLAR
1/16" WIRE
F-1
3/8" BALSA
F-2
F-3A
FILL
DRILL 3/16" AND TAP FOR 1/4-20
1/4-20 NYLON BOLTS (2)
DEGREE CALLOUTS ON PLAN ARE FOR USE WITH 0–90 DEGREE RCM MINI MITRE BOX.
1" TAILWHEEL
LANDING GEAR BLOCKS
LANDING GEAR STRAPS
5/32"WIRE LANDING GEAR
5/32"WIRE LANDING GEAR
F-3 1/8" LITE PLY.
1/8" LITE PLY.
F-3A
6-8" WHEEL PANTS (ACE RC 6 3/4" SHOWN) 2 1/2" WHEELS
WINGSPAN 60"
WING AREA 625 SQ. IN.
LENGTH 46 3/4"
WEIGHT 4 LBS
RADIO 4 CHANNEL
ENGINE .40–.46 2-CYCLE
.40–.53 4 CYCLE
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Cloud Dancer 40
DESIGNED AND DRAWN BY FRED REESE
0 1 2 3 4 5 6
PLAN #1197