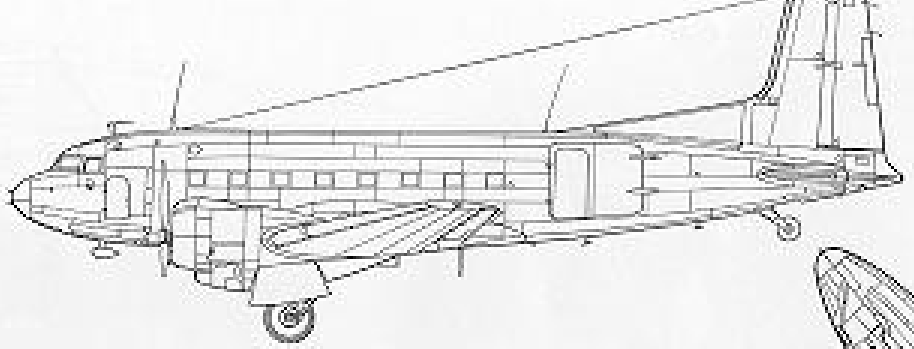
DC3

PME2554 Introdução às Estruturas Aeronáuticas

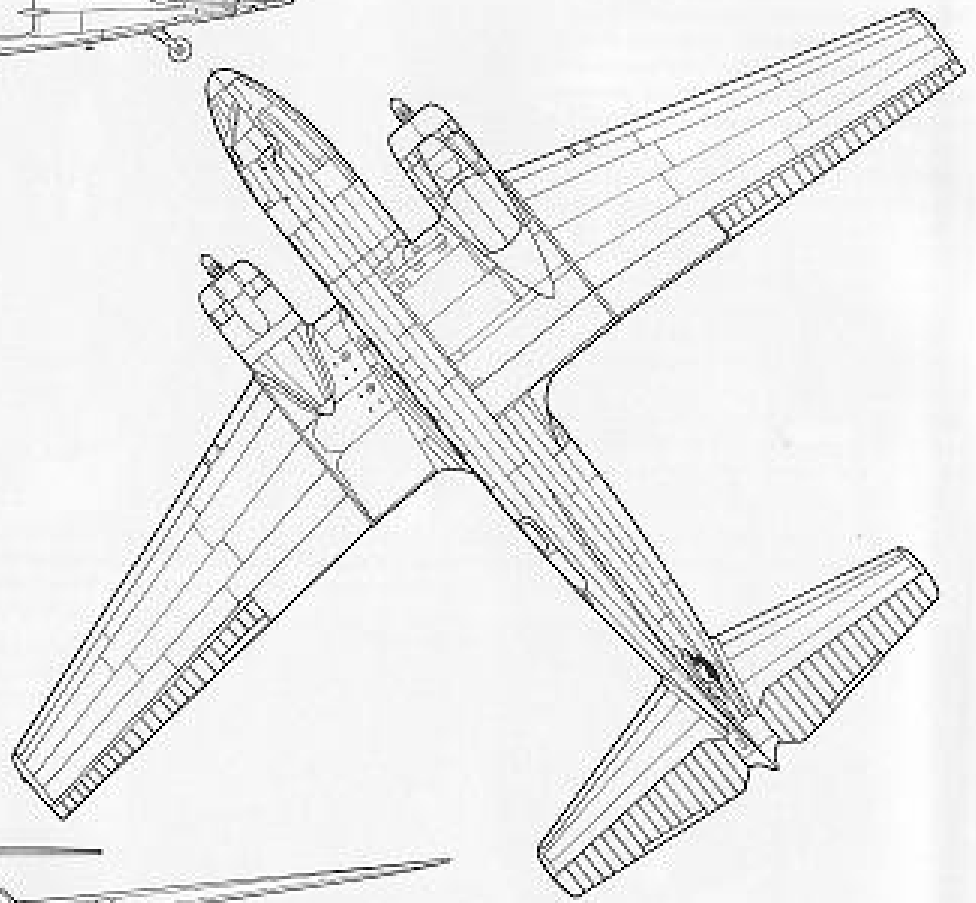

NC
30000

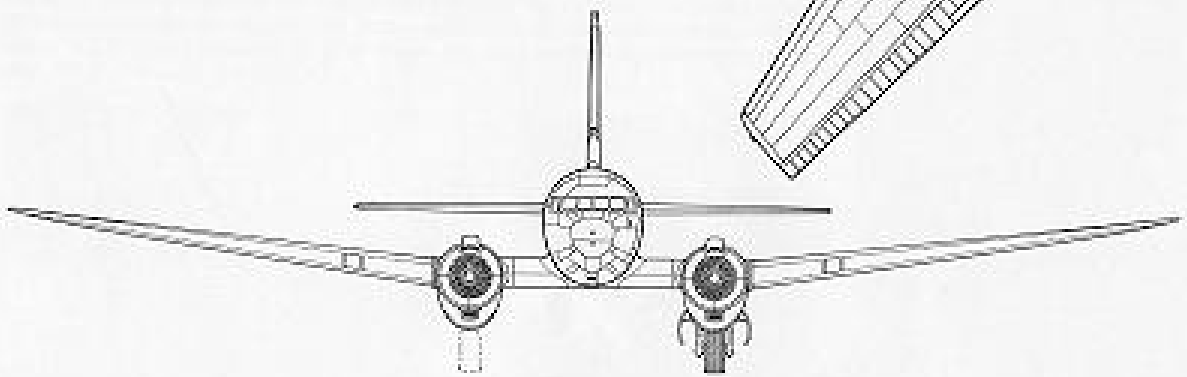


Specification

Douglas C-117D

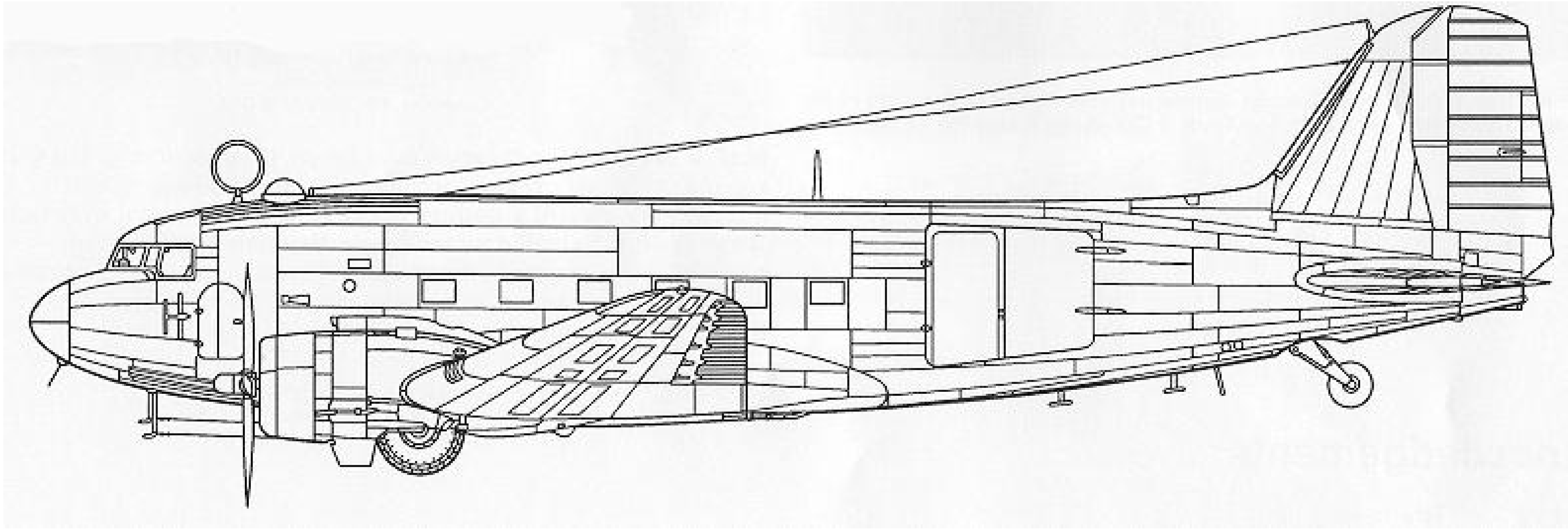
Wingspan	90 feet (27.4 m)
Length	67 feet 9 inches (20.6 m)
Height	18 feet 3 inches (5.5 m)
Empty Weight	19,537 pounds (8,861.9 kg)
Maximum Weight	31,000 pounds (14,061.6 kg)
Power plant	Two 1,475 hp Wright R-1820-80 radial engines
Armament	None
Speed	270 mph (434.5 kph)
Range	2,500 miles (4,023.2 km)
Crew	Four

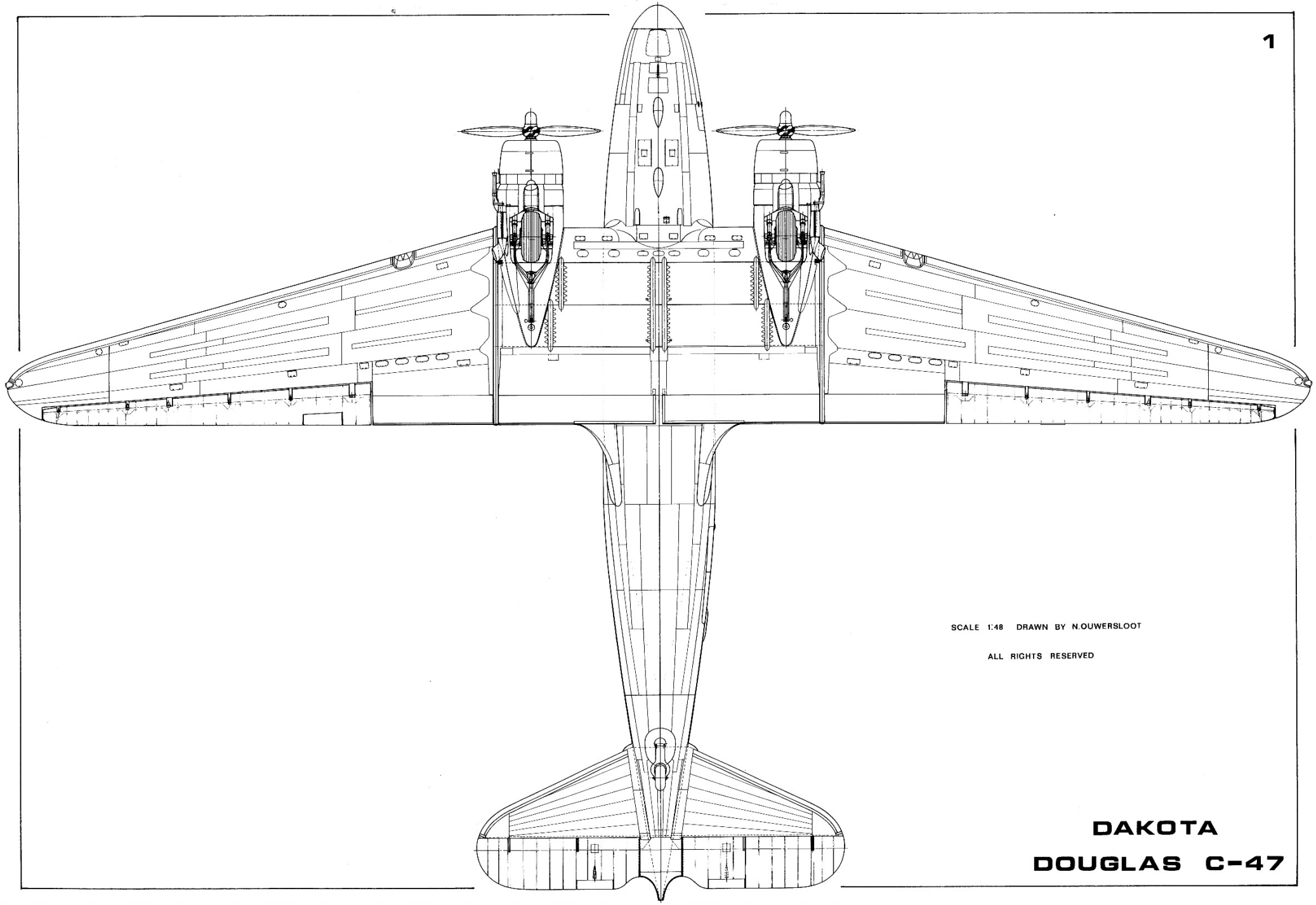




Especificações

Altura (3 apoios)		17 ft
Comprimento total		64 ft 5.5 in
Asas	envergadura	94 ft 6.297 in
	área	987 sq. ft.
	carregamento	25.5 lbs per sq. ft.
	corda (na seção central)	14 ft 2 in
Diedro	asa externa	5 degrees
Ângulo de ataque		2 degrees
Razão de aspecto		8:14
Peso em vazio		16,964 lbs
Carga útil na decolagem		8,236 lbs
Peso total padrão		24,400 lbs
Peso tatal máximo na decolagem		25,200 lbs
Motores	(Pratt and Whitney 1830)	1200 H.P. na decolagem



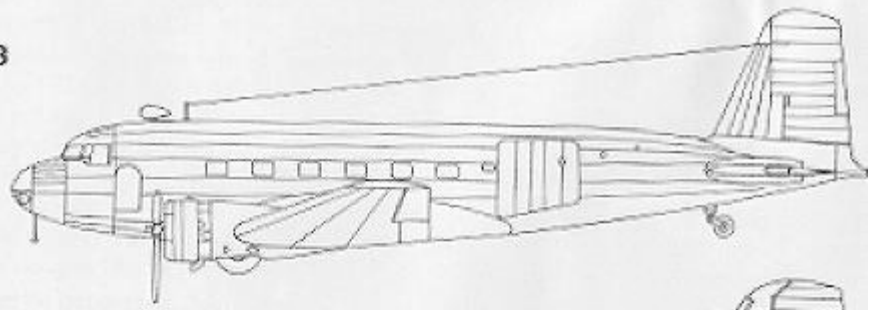


SCALE 1:48 DRAWN BY N.OUWERSLOOT

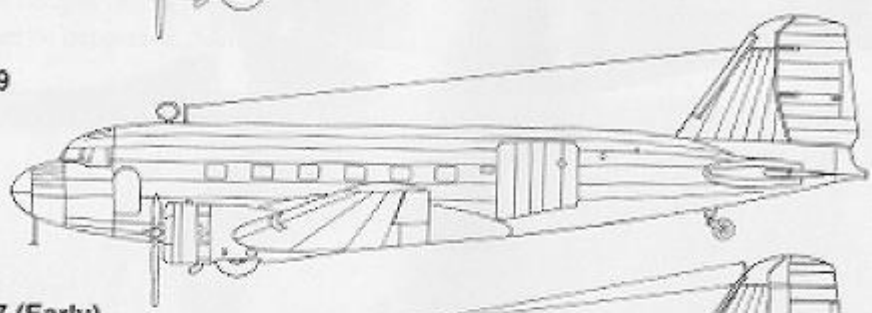
DAKOTA
DOUGLAS C-47

Development

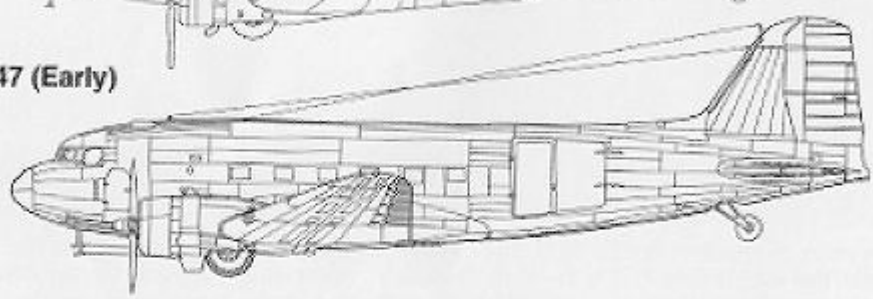
C-33



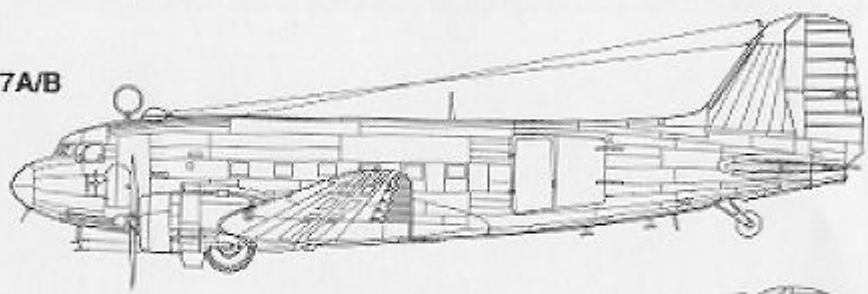
C-39



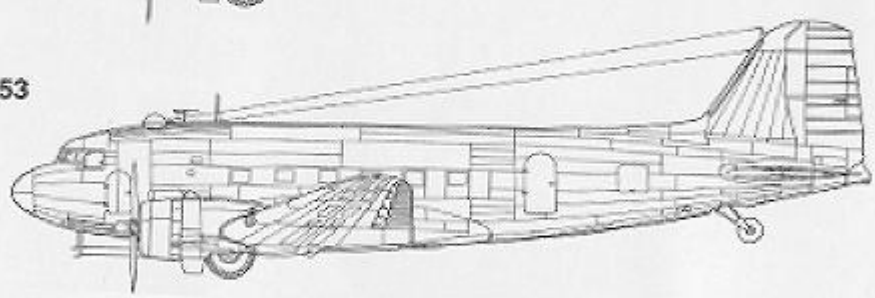
C-47 (Early)



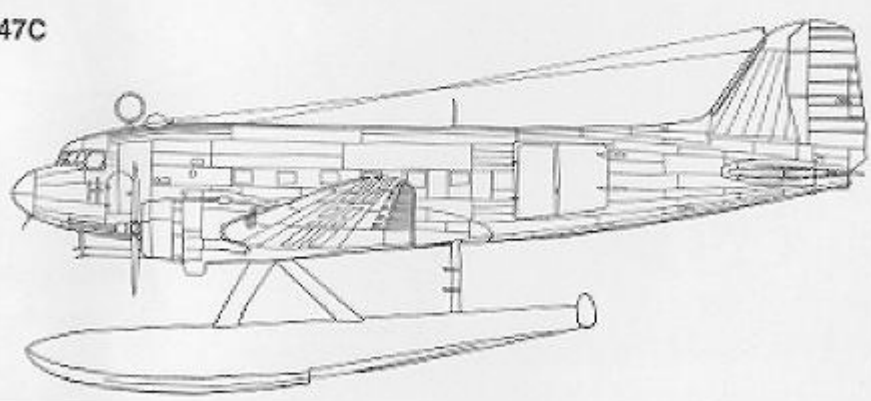
C-47A/B



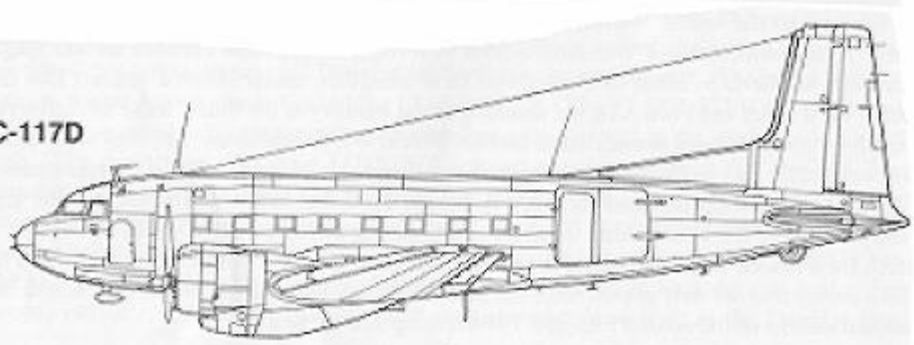
C-53



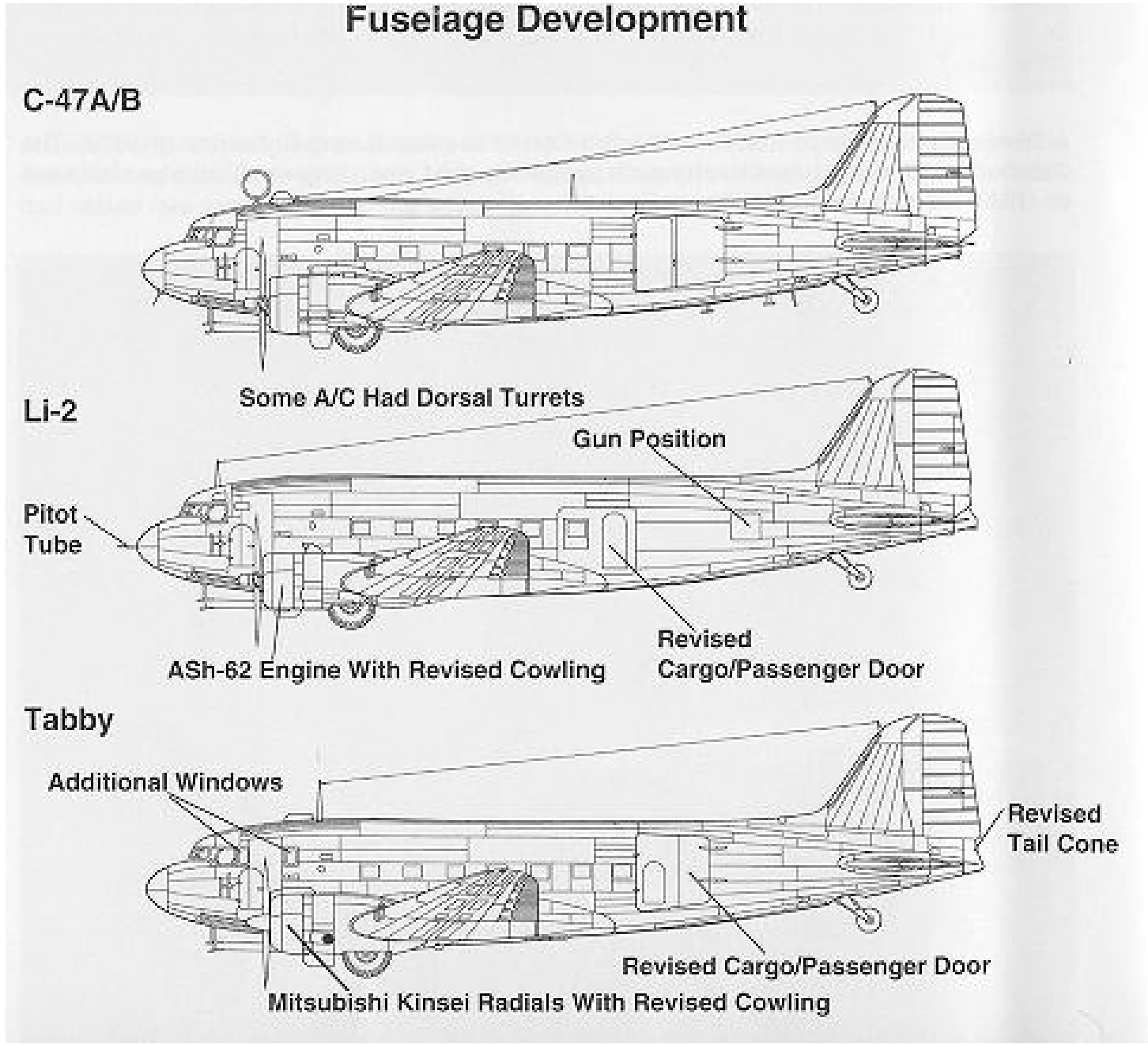
XC-47C

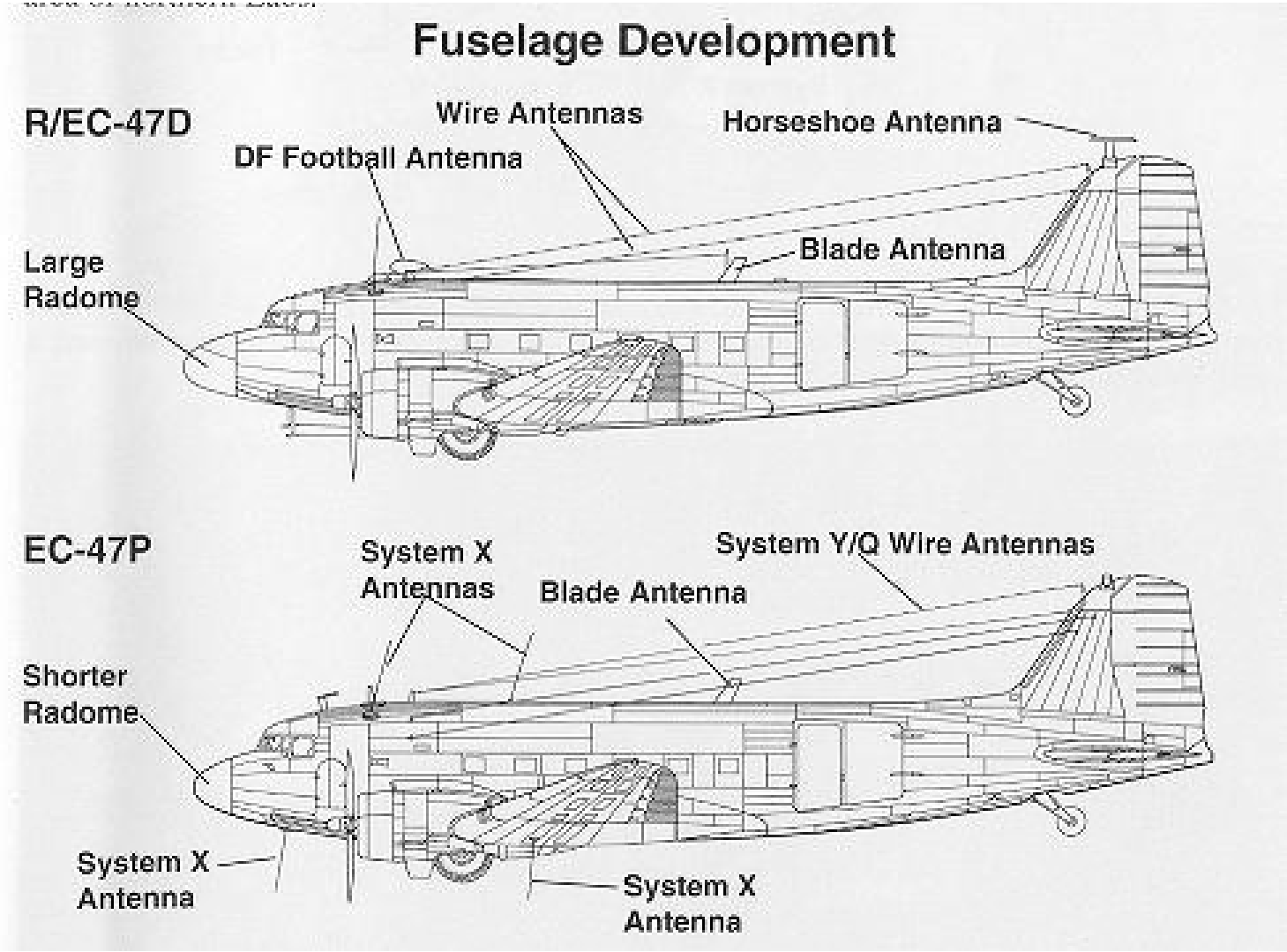


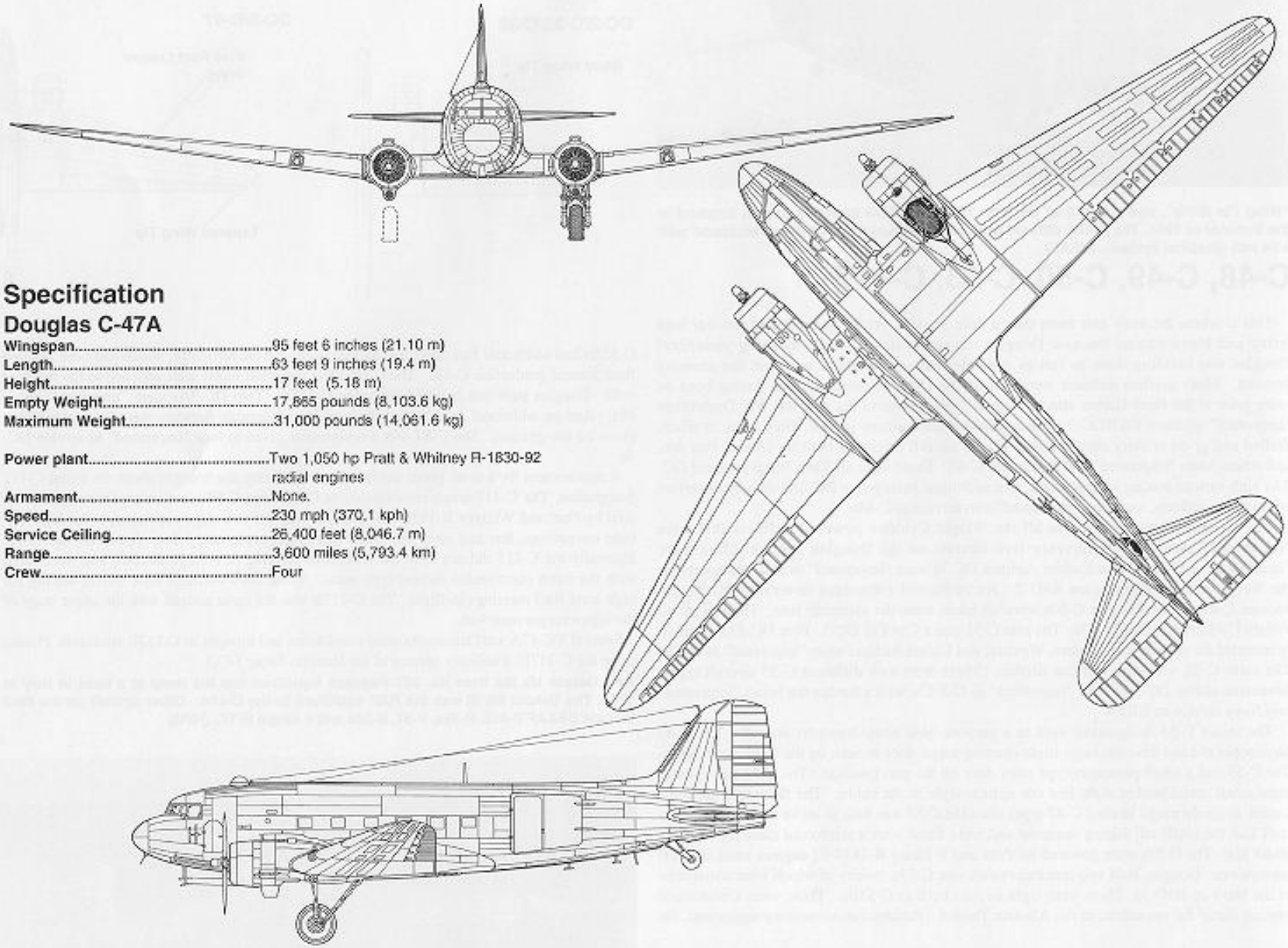
C-117D



Fuselage Development




Fuselage Development
R/EC-47D
Wire Antennas
Horseshoe Antenna
DF Football Antenna
Large
Radome
Blade Antenna
EC-47P
System X
Antennas
System Y/Q Wire Antennas
Blade Antenna
Shorter
Radome
System X
Antenna
System X
Antenna

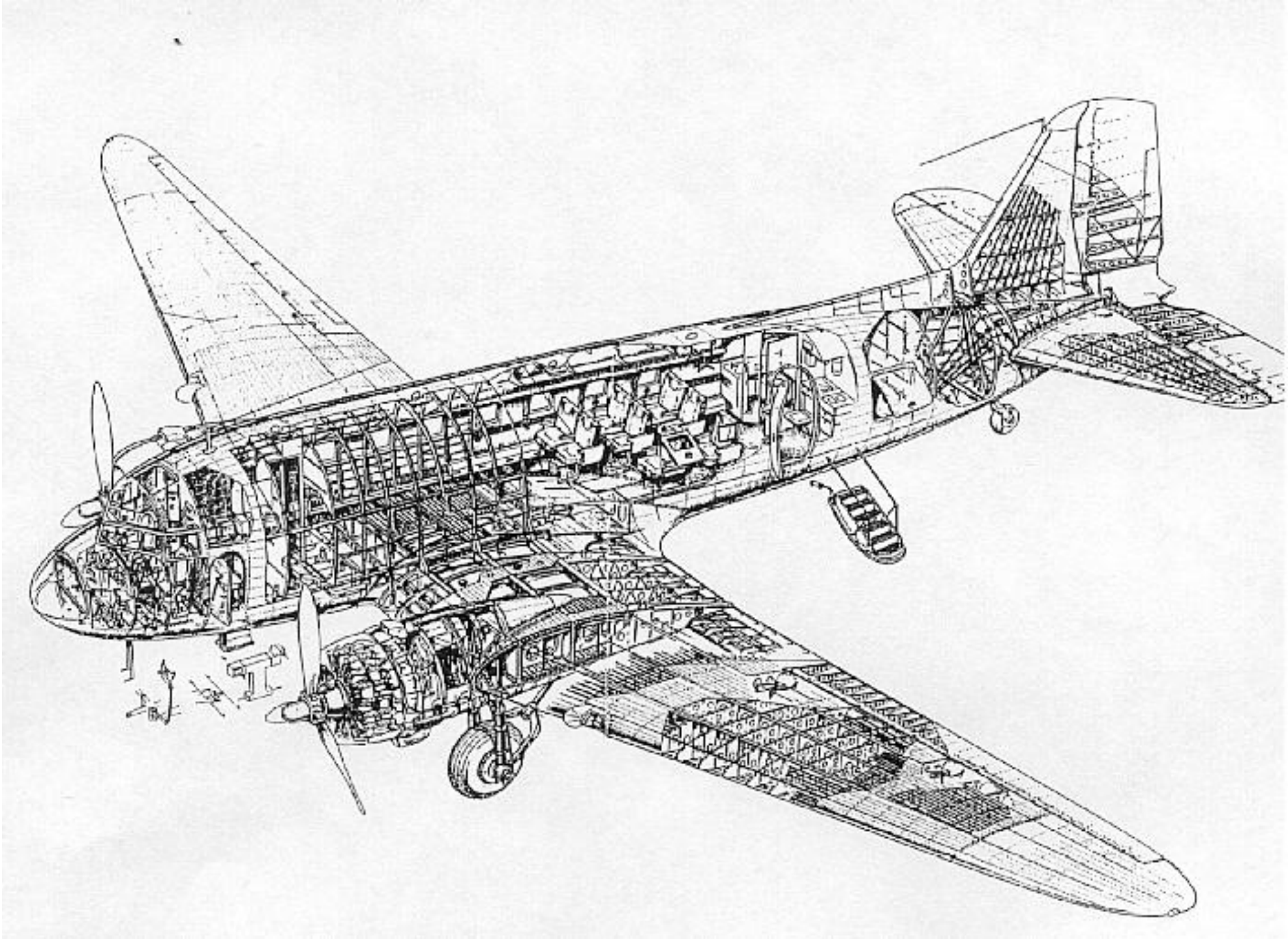


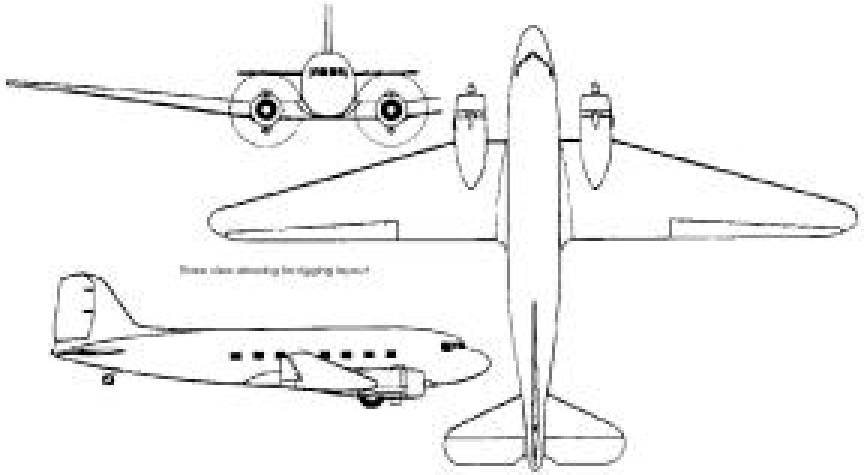
Specification

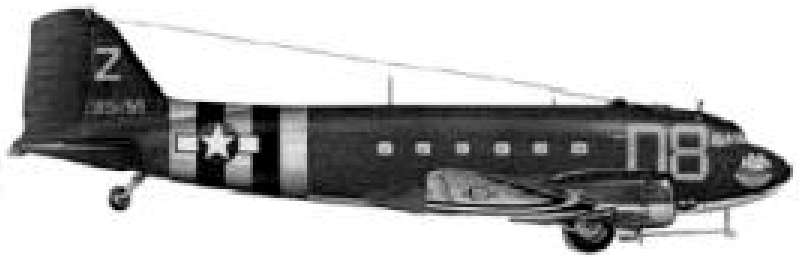
Douglas C-47A

Wingspan.....95 feet 6 inches (21.10 m)
Length.....63 feet 9 inches (19.4 m)
Height.....17 feet (5.18 m)
Empty Weight.....17,865 pounds (8,103.6 kg)
Maximum Weight.....31,000 pounds (14,061.6 kg)

Power plant.....Two 1,050 hp Pratt & Whitney R-1830-92 radial engines
Armament.....None.
Speed.....230 mph (370.1 kph)
Service Ceiling.....26,400 feet (8,046.7 m)
Range.....3,600 miles (5,793.4 km)
Crew.....Four

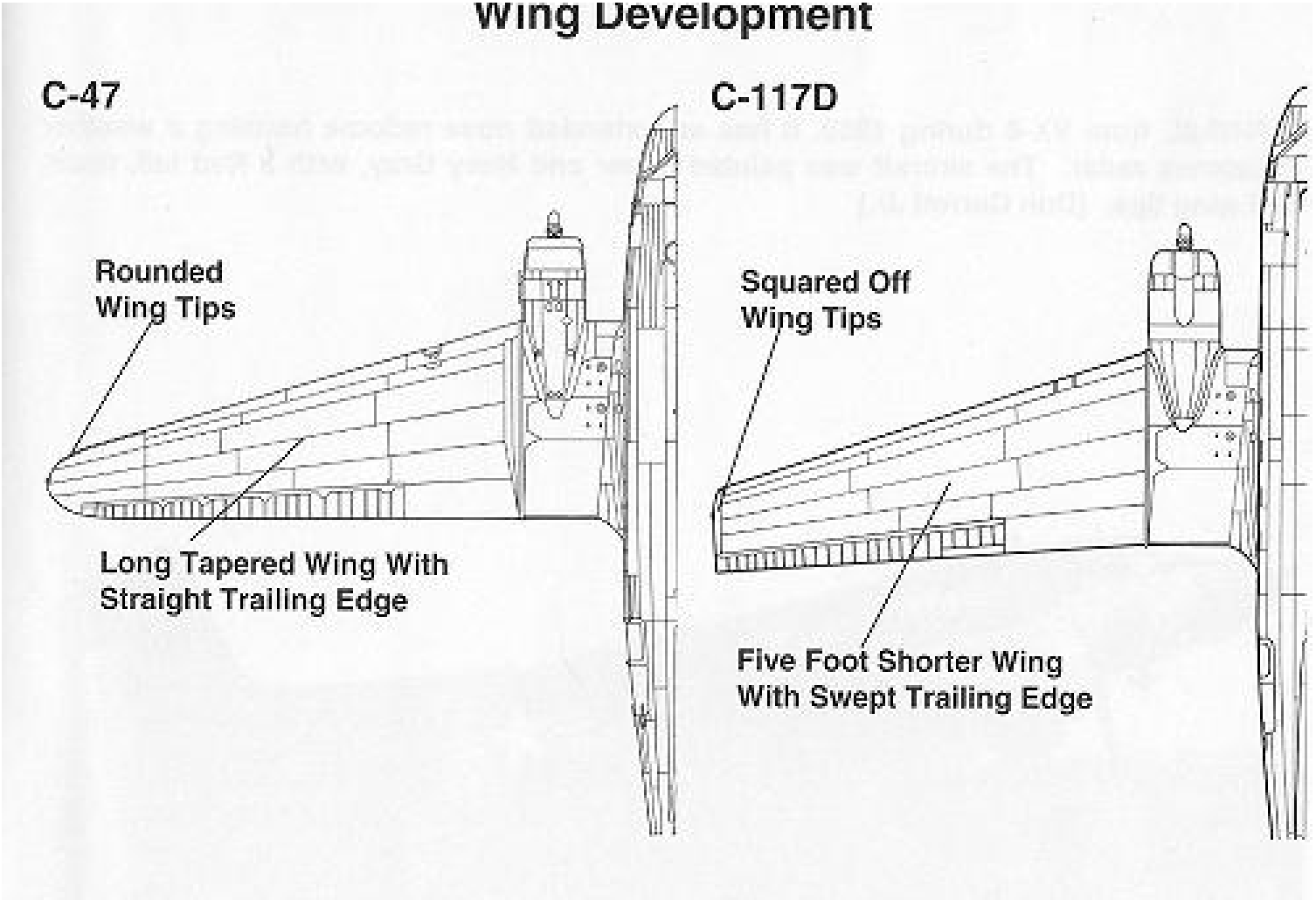


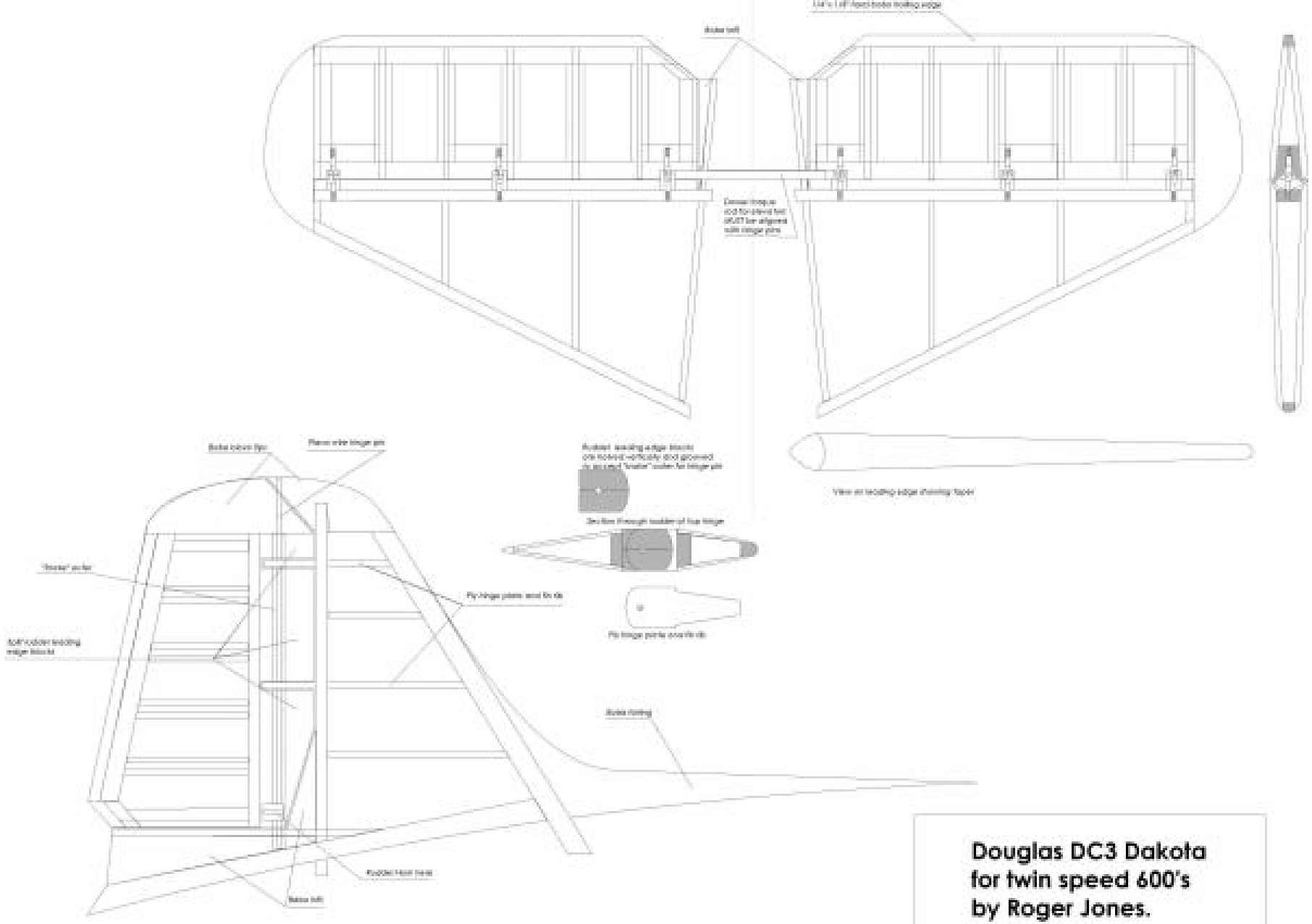




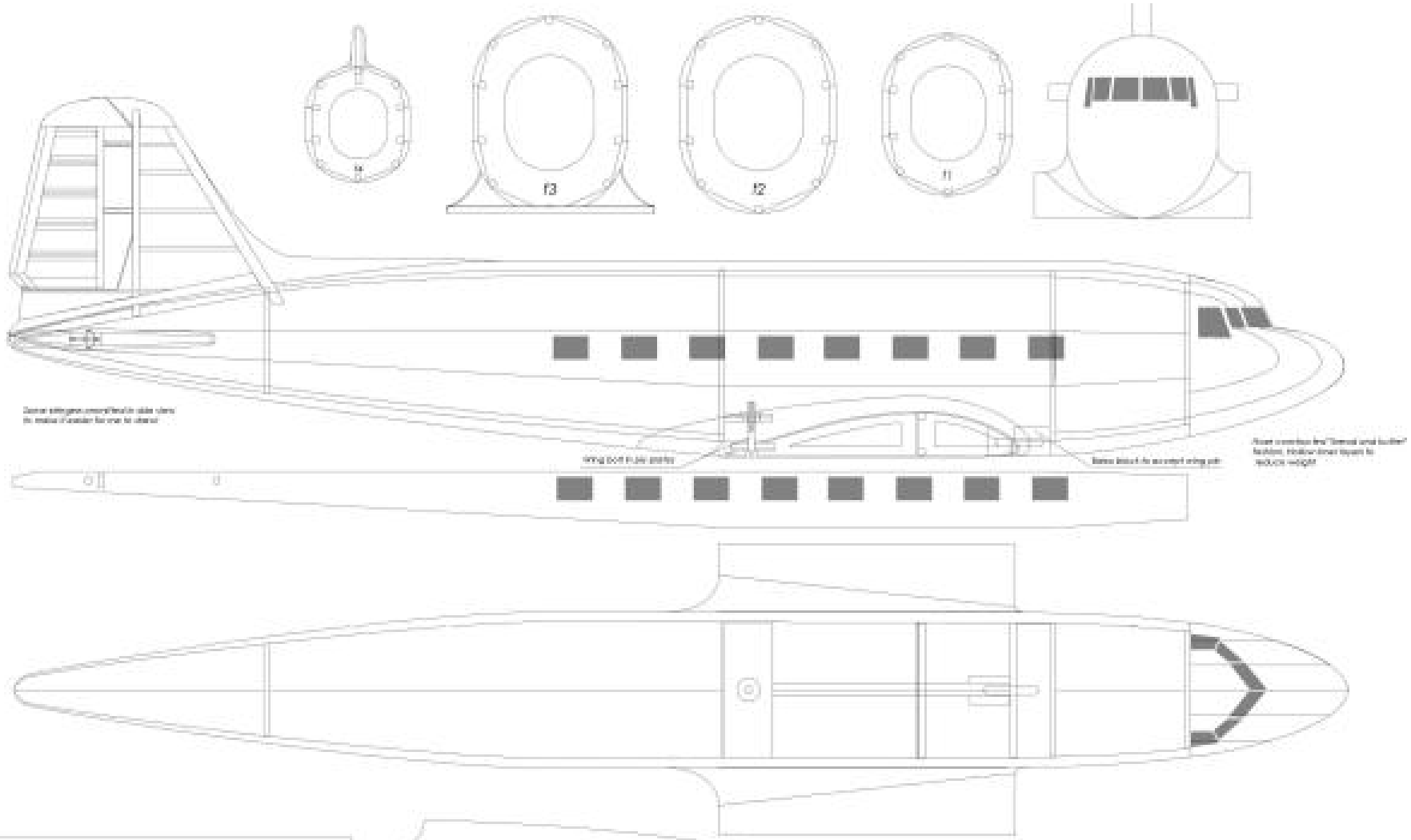
Douglas DC3 Dakota
for twin speed 600's
by Roger Jones.
Drawing DC3/6
January 2000

Wing Development



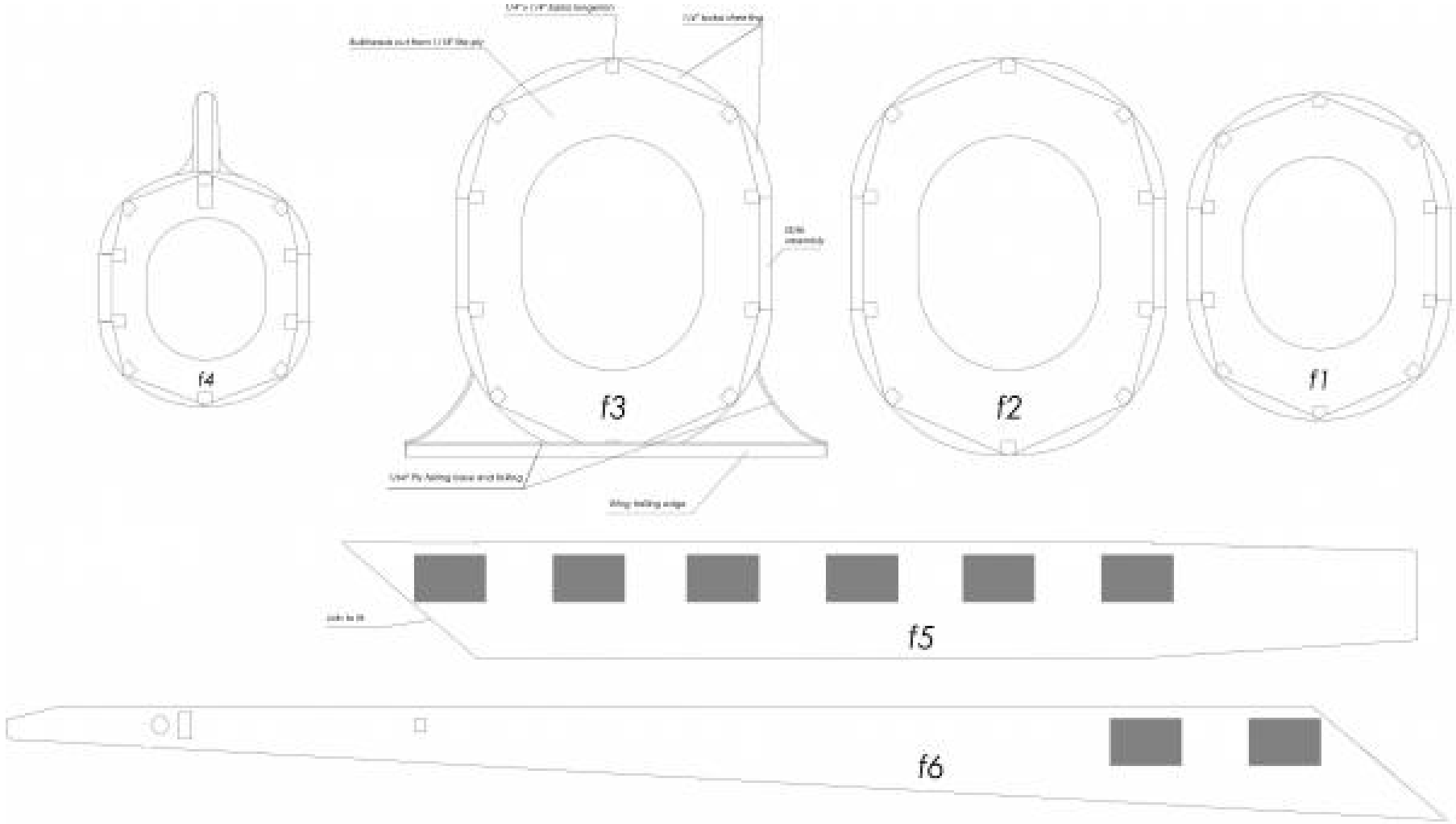


Douglas DC3 Dakota
for twin speed 600's
by Roger Jones.
Drawing DC3/2
January 2000



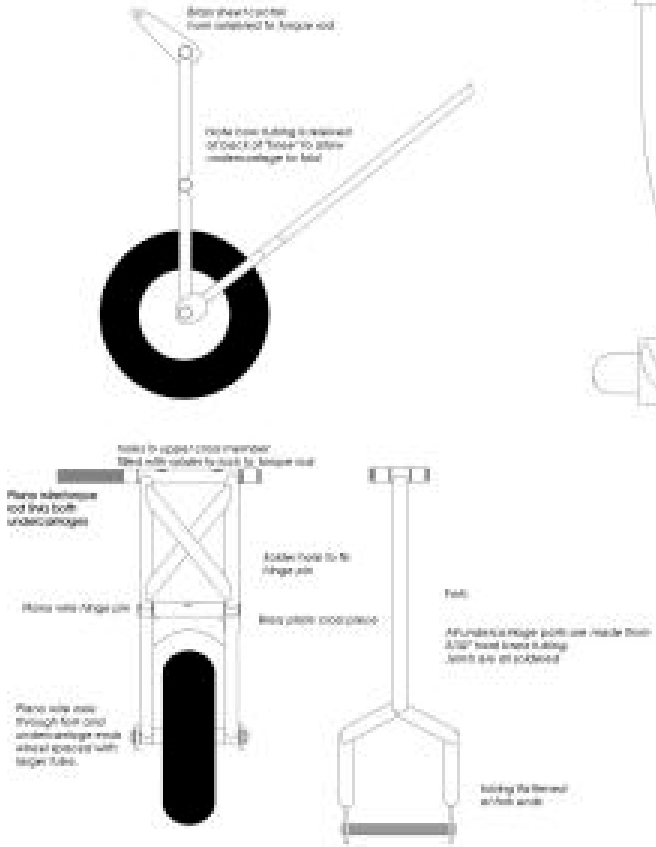
Douglas DC3 Dakota
for twin speed 600's
by Roger Jones.
Drawing DC3/3
January 2000

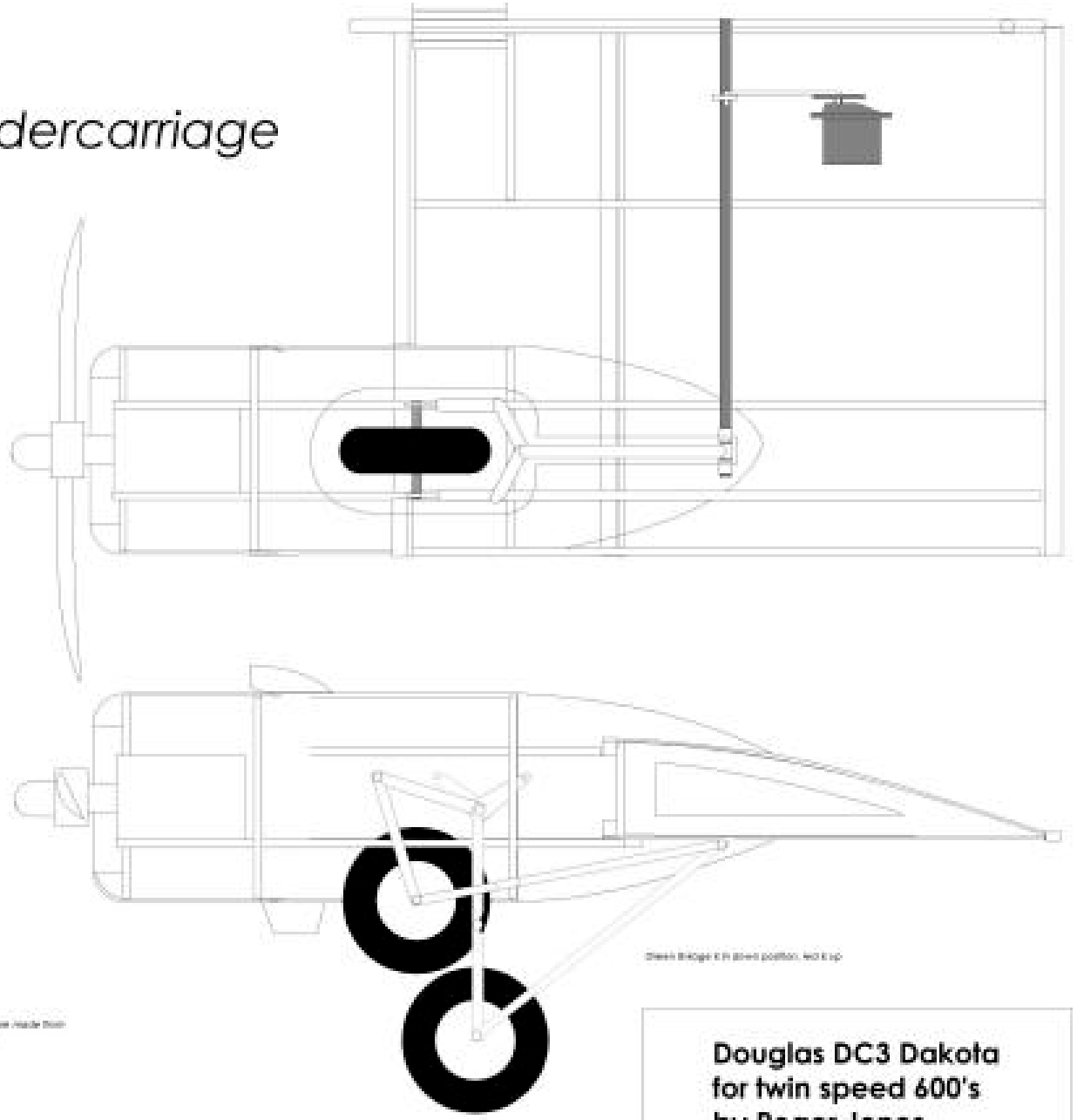
Note: Drawing is 50% scale



Douglas DC3 Dakota
for twin speed 600's
by Roger Jones.
Drawing DC3/4
January 2000

Optional rertractable undercarriage





Douglas DC3 Dakota
for twin speed 600's
by Roger Jones.
Drawing DC3/7
January 2000