

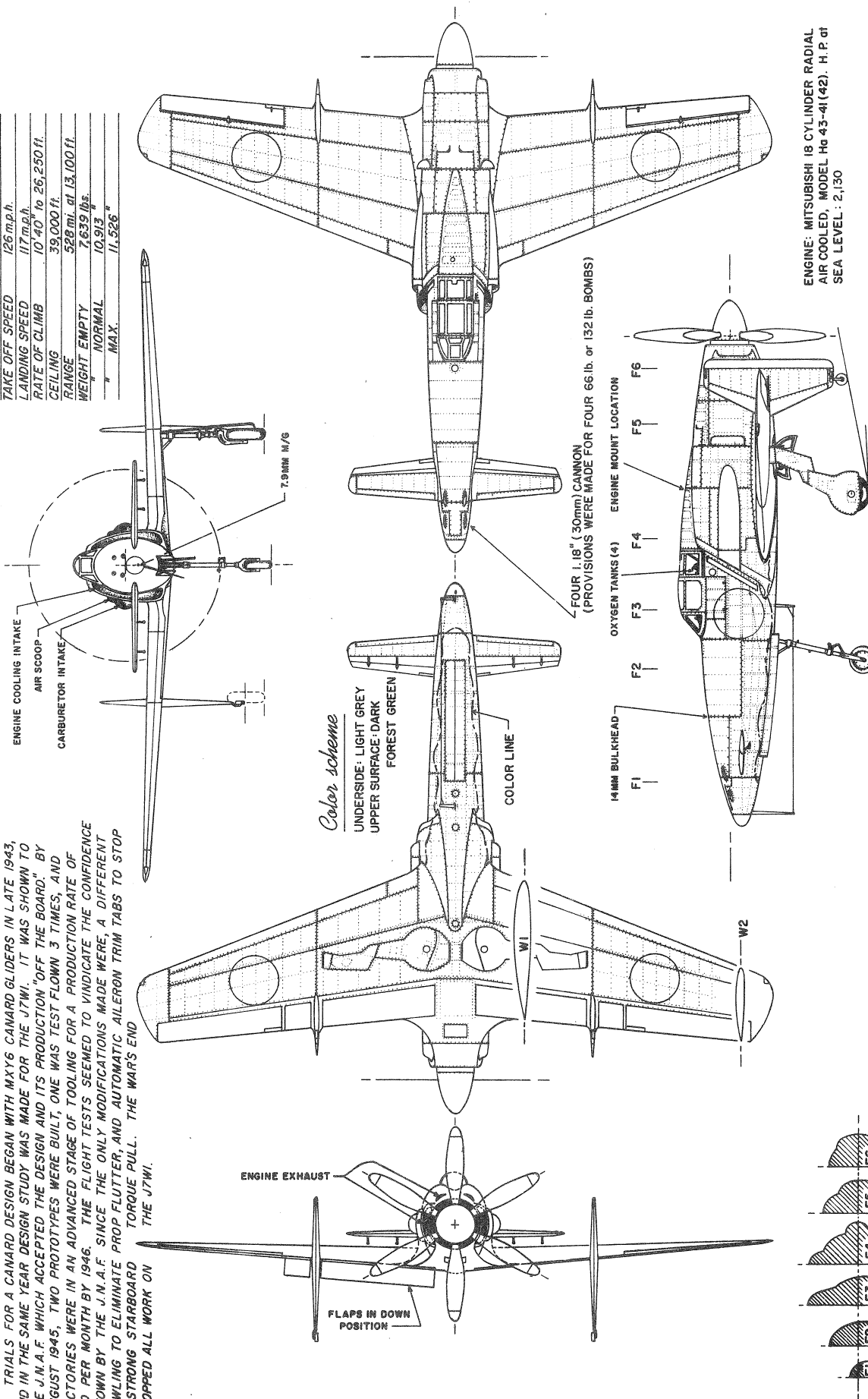
PLANES WORTH MODELING

Design History

TRIALS FOR A CANARD DESIGN BEGAN WITH MXY6 CANARD GLIDERS IN LATE 1943, AND IN THE SAME YEAR DESIGN STUDY WAS MADE FOR THE J7W1. IT WAS SHOWN TO THE J.N.A.F WHICH ACCEPTED THE DESIGN AND ITS PRODUCTION "OFF THE BOARD". BY AUGUST 1945, TWO PROTOTYPES WERE BUILT, ONE WAS TEST FLOWN 3 TIMES, AND FACTORIES WERE IN AN ADVANCED STAGE OF TOOLING FOR A PRODUCTION RATE OF 150 PER MONTH BY 1946. THE FLIGHT TESTS SEEMED TO VINDICATE THE CONFIDENCE SHOWN BY THE J.N.A.F SINCE THE ONLY MODIFICATIONS MADE WERE, A DIFFERENT COWLING TO ELIMINATE PROP FLUTTER, AND AUTOMATIC AILERON TRIM TABS TO STOP A STRONG STARBOARD TORQUE PULL. THE WAR'S END STOPPED ALL WORK ON THE J7W1.

Performance

MAX. SPEED	468 m.p.h. at 28,540 ft.
TAKE OFF SPEED	126 m.p.h.
LANDING SPEED	117 m.p.h.
RATE OF CLIMB	10' 40" to 26,250 ft.
CEILING	39,000 ft.
RANGE	528 mi. at 13,100 ft.
WEIGHT EMPTY	7,639 lbs.
NORMAL	10,913 "
MAX.	11,526 "



ENGINE: MITSUBISHI 18 CYLINDER RADIAL AIR COOLED, MODEL Ho 43-41 (42). H.P. at SEA LEVEL: 2,130

Kiyoshu J7W1 Shinden (Magnificent Lightning)
Short-range interceptor. August 1945
Drawn by C. Graham 10-23-63

Sole remaining example of Shinden is at Willow Grove Naval Air Station, Pennsylvania.

