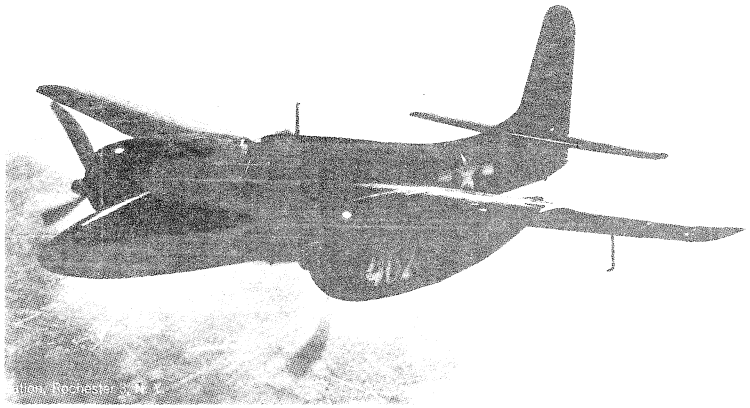
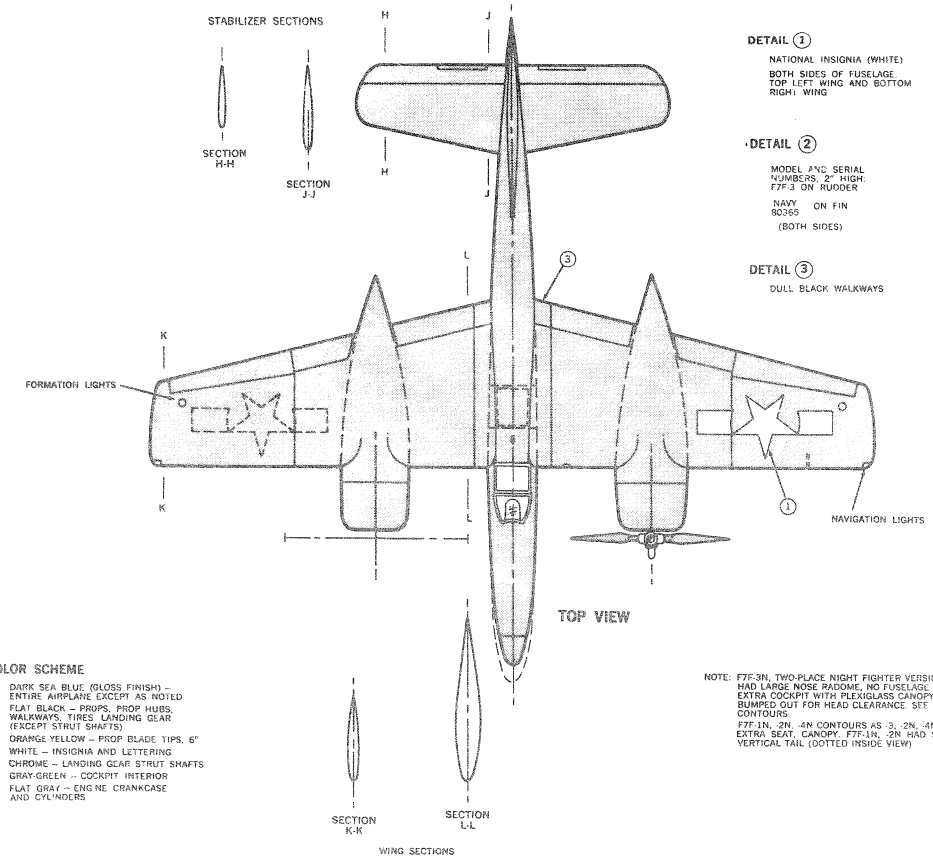


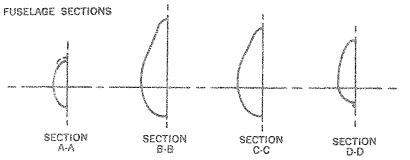
The model F7F Tigercat was produced in six versions; it was designed originally as a single-seat night fighter (F7F-1N); the F7F-2N, -2N and -4N were two-place night fighters with radar operator's accommodations; the F7F-3 was a single-seater day fighter; the F7F-3P was a single-seater for photo-reconnaissance. The airplanes were powered by two Pratt & Whitney R-2800 (-22W's on F7F-1N, -21W's, -34W's on -3's, -3N's, -3P's and -4N's) fourteen-cylinder 2,100 H.P. engines. Top speed of the -3 was 450 m.p.h., range was 1,900 miles at cruise power, rate of climb was 6,000 feet per minute, service ceiling was 40,400 feet. Performance of the other versions was similar. Armament was four 20-mm cannon in the wing inner panels and four .50-caliber machine guns in the fuselage nose. The fuselage guns were removed with certain radar installations (in the -2N, 3N and -4N) and the wing guns were removed from the -3P. A torpedo, various bomb loads, including two 2000-pounders, eight 5-inch rockets or two "Tiny Tim" rockets could be carried. Grumman built 362 F7F's; thirty-four -1N's, sixty-six -2N's, 250 -3's, -3N's (these were convertible, one to the other) and -3P's and twelve -4N's. The -4N's, similar to the -3N's had strengthened wing panels and modified landing gear. The first squadron equipped with F7F's (Marines) arrived on Okinawa the day before V-J Day – the airplane never saw action.

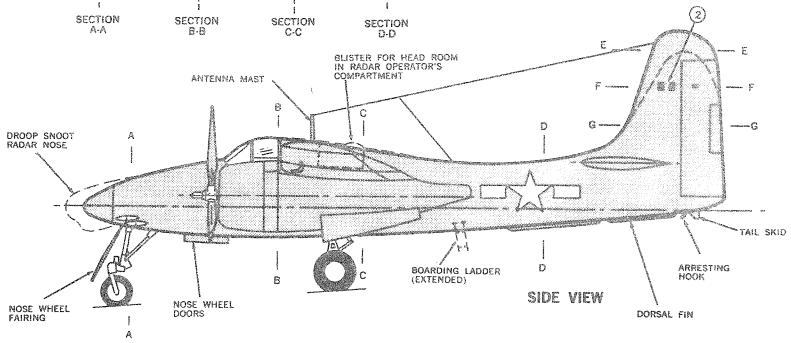


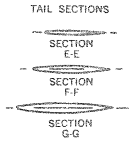
NOTE: F7F-3N, TWO-PLACE NIGHT FIGHTER VERSION HAD LARGE NOSE RADOME, NO FUSELAGE GUNS. EXTRA COCKPIT WITH PLEXIGLASS CANOPY BUMPED OUT FOR HEAD CLEARANCE. SEE DOTTED CONTOURS.
F7F-1N, -2N, -4N CONTOURS AS -3, -2N, -4N HAD EXTRA SEAT, CANOPY. F7F-1N, -2N HAD SMALLER VERTICAL TAIL (DOTTED INSIDE VIEW)

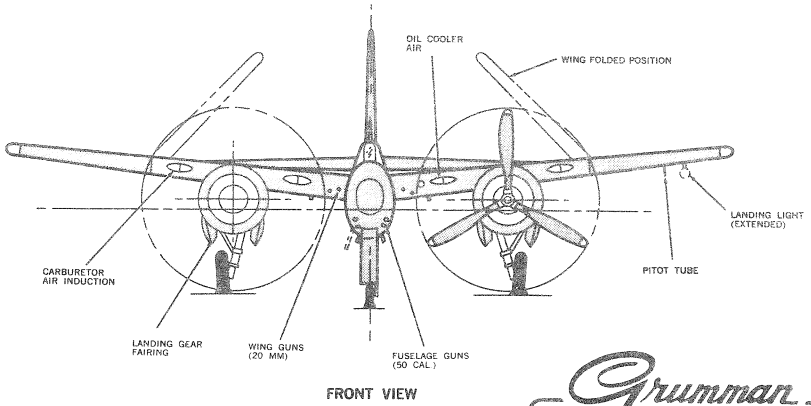
COLOR SCHEME

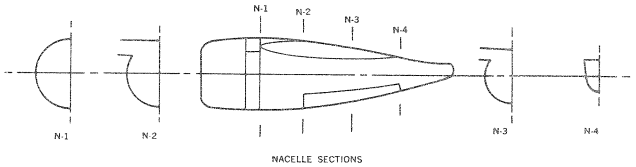
DARK SEA BLUE (GLOSS FINISH) – ENTIRE AIRPLANE EXCEPT AS NOTED
FLAT BLACK – PROPS, PROP HUBS, WALKWAYS, TIRES, LANDING GEAR (EXCEPT STRUT SHAFTS)
ORANGE-YELLOW – PROP BLADE TIPS, 6"
WHITE – INSIGNIA AND LETTERING
CHROME – LANDING GEAR STRUT SHAFTS
GRAY-GREEN – COCKPIT INTERIOR
FLAT GRAY – ENGINE CRANKCASE AND CYLINDERS





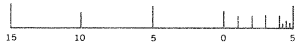






DIMENSIONS

SPAN ..... 51'6"
LOA ..... 45'5"
HOA ..... 16'7" (OVER TAIL, 3 PT POSITION)



Grumman
AIRCRAFT ENGINEERING CORPORATION

F7F-3

"TIGERCAT"

U.S. NAVY FIGHTER AIRCRAFT

SEPT 1965