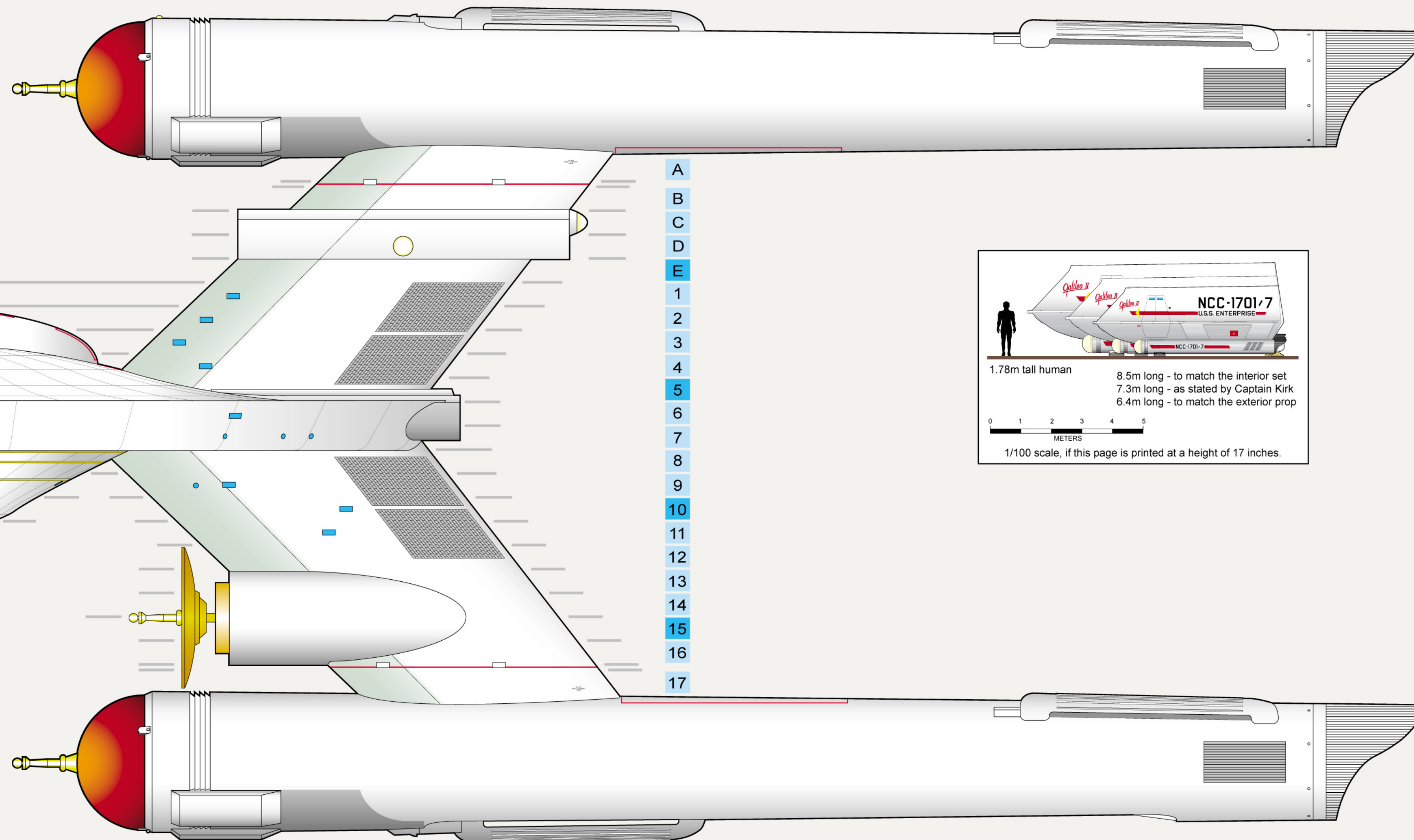


SPACE SHUTTLE
(Shown here for
size reference)

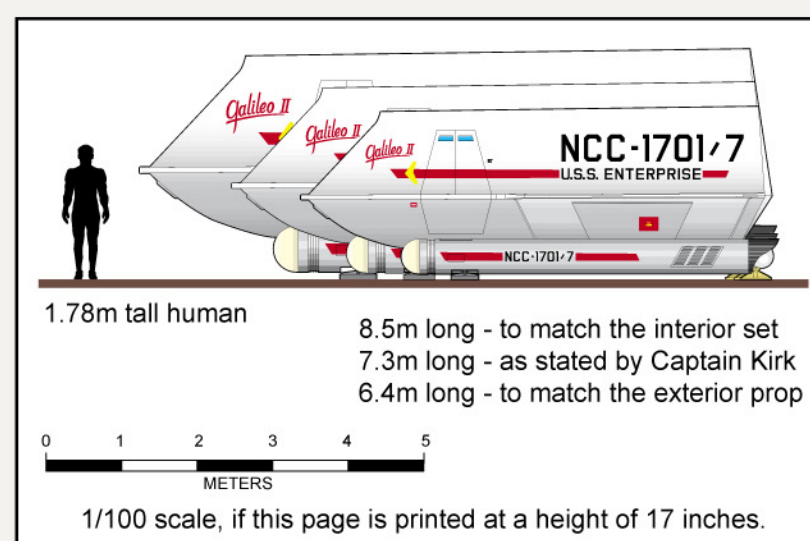


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SEE NOTE "A"

DECK
ADJUSTMENT



BACKGROUND HISTORY

This project is an extrapolation of the U.S.S. ENTERPRISE drawings developed in the year 2020. Those drawings were governed by 3 criteria:
(1) The 11-foot-2.08-inch (3.4-meter) studio model,
(2) The Writer's Guide, and
(3) The 79 episodes plus the original pilot.
There are no such criteria to guide these drawings, but the basic design philosophy is to complete this ship in the same style that Franz Joseph (FJ) developed for his Technical Manual and in the same style as his Heavy Cruiser blueprints. The goal is to try and fit all the components inside the hull. But what are "all the components"? What are the roles of "Destroyers" in the STAR TREK universe?

A "Destroyer" was a type of ship used on Earth. It was a fast, maneuverable, long-endurance warship intended to escort larger vessels in a fleet, convoy or battle group and defend them against powerful short range attackers. Some countries use the term "Frigate" for their "Destroyers" which leads to some confusion. With the advent of missiles, "Guided Missile Destroyers" were developed to carry these weapons and protect the fleet from such threats. By the late 20th Century, many "Destroyers" were built with helicopter flight decks and hangars.

The Texas Rangers (the namesake of this class) were an investigative law enforcement agency with statewide jurisdiction in the U.S.A. on Earth, officially created in 1835.

Ranger-class ships render assistance to local law enforcement in suppressing major disturbances. When ordered by Starfleet, they can quell criminal activity in any given sector, especially when it is apparent that the local officials are unwilling or unable to maintain law and order. Ranger-class ships can also provide passage and protection for ambassadors and their staff.

There already exist Nelson-class Frigates (not to be confused with the Nelson-class Scout) and Apollo-class Destroyers; they resemble each other and they resemble this ship, but this ship is more heavily armed.

CONSTRUCTION NOTES

- The Nelson-class Frigate drawing (see image at right) has a few problems I would like to correct:
(1) The Deflector Dish can be moved to the Dorsal decks (Tokyo-class ship) or the Ventral decks (Masao-class ship),
(2) This will make the Dorsal neck and the Ventral neck longer,
(3) Whichever one is lengthened, the other one should also be lengthened to maintain symmetry,
(4) A Weapons Pod can be installed on whichever neck does not have the Deflector Dish,
(5) The Deflector Dish and the Weapons Pod should be clear of the Lower Sensor Dome and clear of the Bridge,
(6) A Hangar Bay can be placed in the starboard aft quarter of the Primary Hull, with access from above.
(7) The 3 Bussard Field Generators and the Control Reactor are shown on the top of the upper nacelle in the port view and in the front view, but they are missing in the top view of the upper nacelle.

