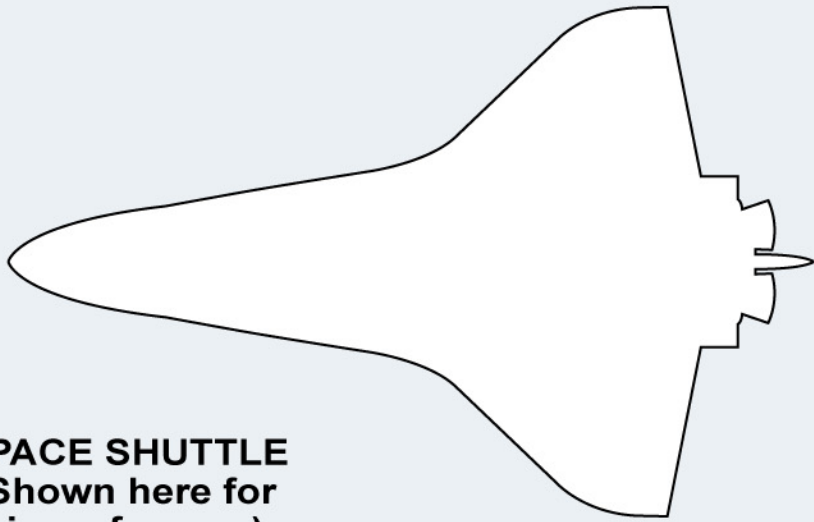
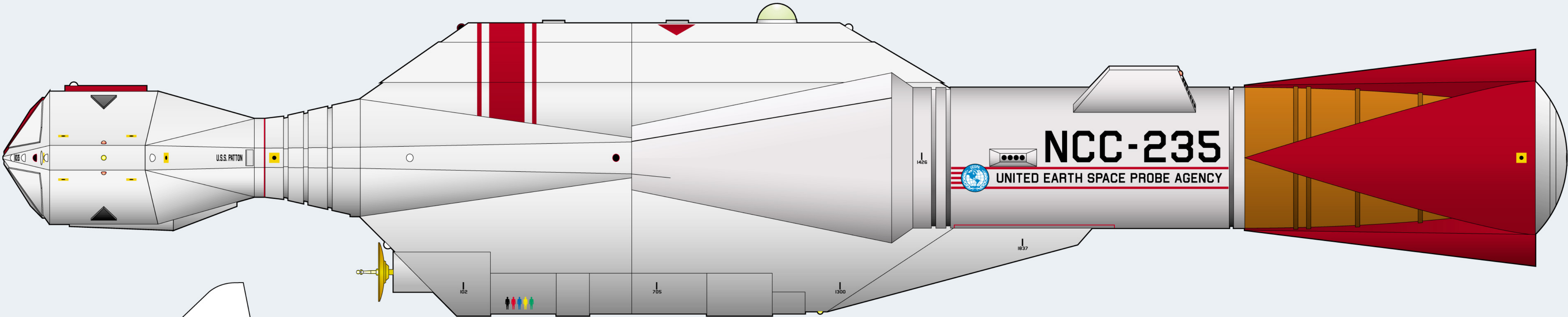
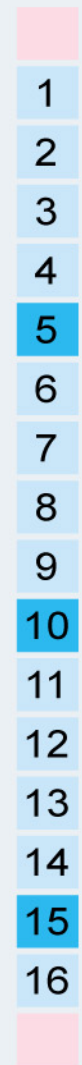


If printed 17 inches tall (from black-outlined edge to black-outlined edge) the scale of these drawings is 1/350.



SPACE SHUTTLE
(Shown here for
size reference)

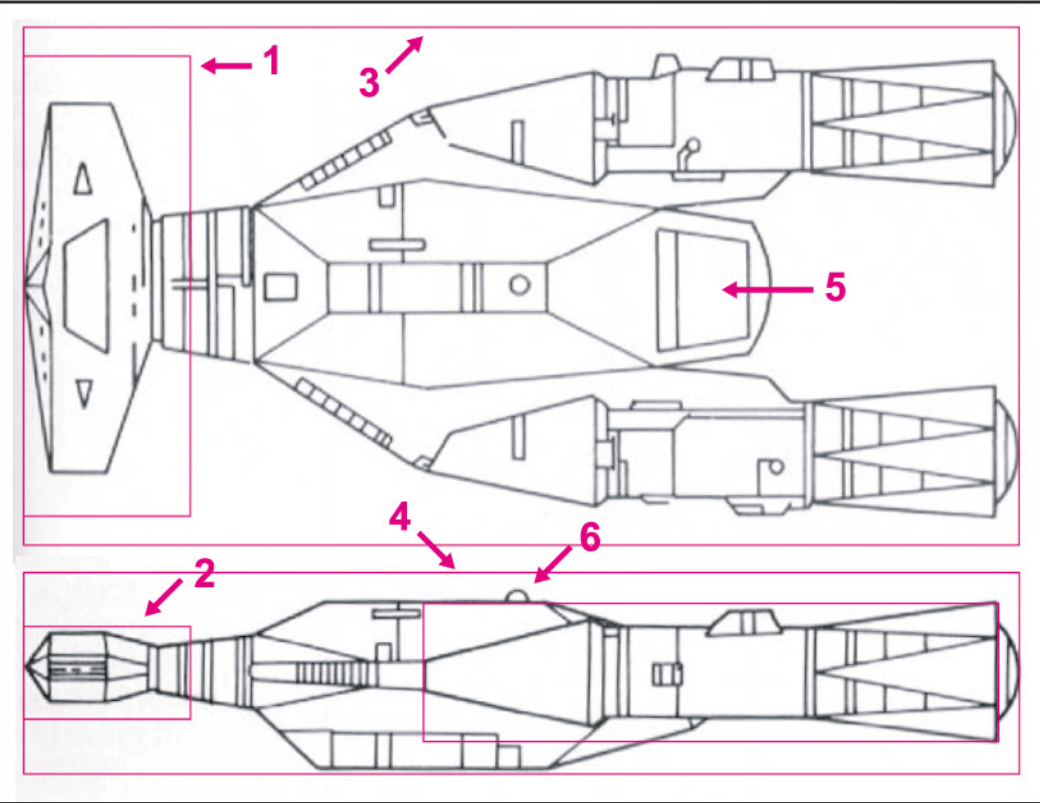
BACKGROUND HISTORY

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, especially of ships in early or pre-Federation days?

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.

Some sources suggest the Romulan War started 20 years after the formation of the Federation. Other sources state the Romulan War started before the Federation was established. The book "Star Trek Spaceflight Chronology" states that the destruction of the U.S.S. PATTON is what started the Romulan War.
To be consistent with that book, these ships were built by the United Earth Space Probe Agency and served in the United Federation of Planets, then took part in the Romulan War.

CONSTRUCTION NOTES



There have been several drawings of this design (see sample image at left). The pink lines represent the dimensions as stated in various sources. If the drawing is scaled so the engine is the right size, then:
(1 and 2) The Command Module is too small,
(3 and 4) The width and height of the ship is too small,
(5) This seems like a logical place for the Hangar Bay,
(6) This could be the Hangar Bay Control Dome.

I started with the dimensions given in the book "Star Trek Spaceflight Chronology" - that book also contains a painting by Rick Sternbach on Page 111. It is reproduced here, at right.

In CHARLIE X we saw how thick the walls are and also what is in the walls. The DESILU plans show walls that are 1 foot (0.3 meters) thick and sometimes even thicker. I decided to make all walls, decks, and hulls 1 foot thick. In a few places, they are even thicker.

In the profile drawing (at the top of this page) the light grey horizontal lines represent a constant ceiling height of 8 feet throughout the entire ship. Initially, I chose a ceiling height of 8 feet (2.44 meters) for each level, but adjustments were made based on the specific use of each section of the ship.

Very little canonical information exists for this class of ship; some of the surface details were derived from a resin model.

RICK STERNBACH'S PAINTING

