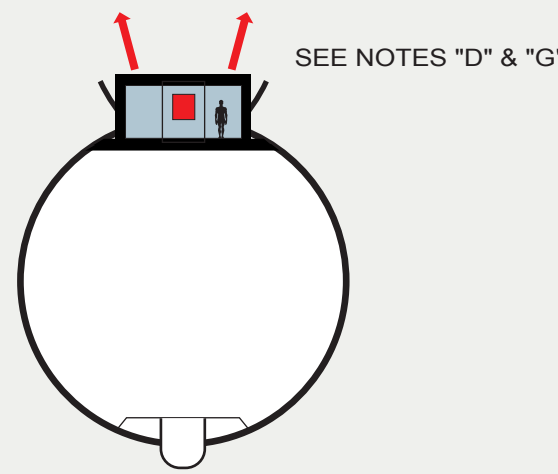
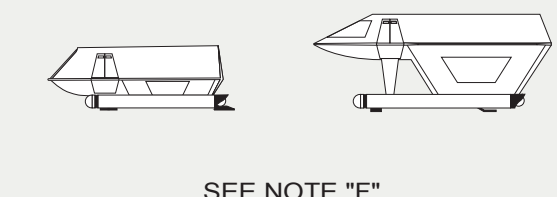
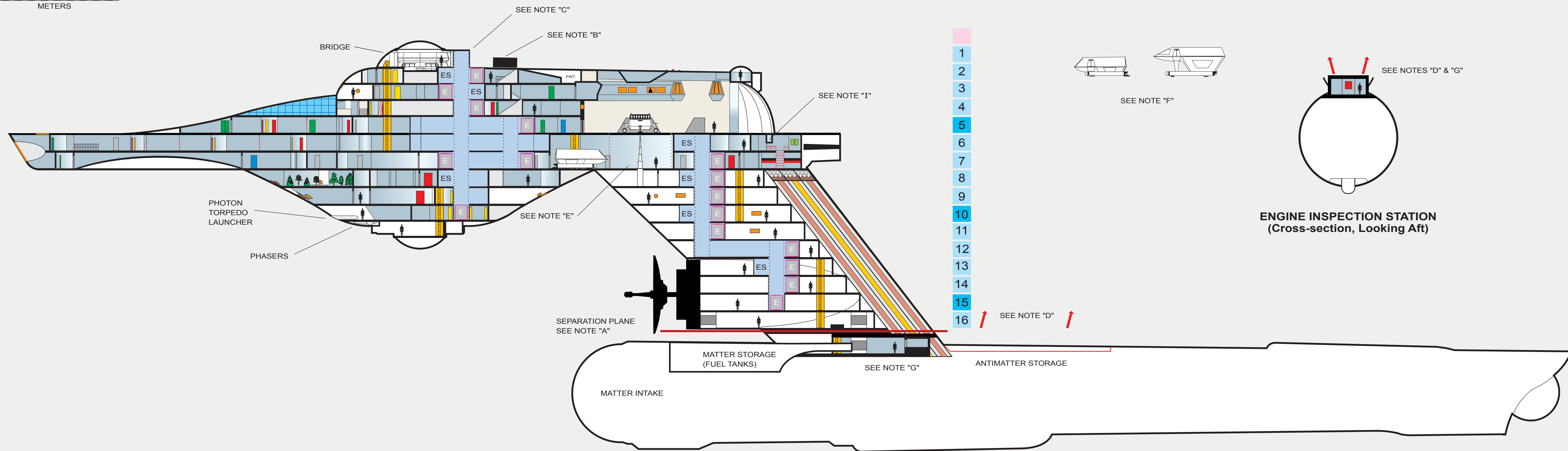


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ENGINE INSPECTION STATION (Cross-section, Looking Aft)

ENGINE INSPECTION STATION (Cross-section, Looking Aft)

NOTES

A
The location of the "Separation Plane" was determined by the spacing and thickness of the decks.

B
This is the "Emergency Crew Escape" hatch, to be used after the Primary Hull has detached from the Warp Engine and made an emergency landing.

C
The height of the bump behind the Bridge has been increased to allow a turbo-elevator to fit. See next page for more info.

D
Antimatter is created / stored in the engine nacelle. In an emergency, the red-outlined panel swings open and the antimatter is ejected up and to the rear.

E
The undercut on the Primary Hull affects Deck 7. However, the connection to the dorsal decks allows Deck 7 to be flat at this location. The flat region had to be widened to allow the Shuttlecraft Turntable and Lift to fit. This is shown on Deck 7 and discussed on Page 8.

F
The Shuttlecraft used here measure 28 feet (8.5 meters) in length, as suggested by the size of the interior set. The studio prop was 21 feet (6.4 meters) which was about 3/4 of the intended size. In one episode of STAR TREK, Captain Kirk mentioned the Shuttlecraft is 24 feet (7.3 meters) long.

Special thanks to Dana E. Lubich for permission to display the Cargo Shuttle design which Dana developed 30 years ago.

G
The Matter-Antimatter Reaction Chamber is heavily shielded and partly recessed within the Warp Engine nacelle.

H
These 3 pale gold-coloured recessed rings are part of the Tractor Beam system. See Page 10 for more information.

I
The Hangar Bay Door Machinery is located here. In the center, it encroaches into the Engineering Highbay slightly. To port and starboard, it occupies more space, but does not conflict with normal engineering operations.

CUTAWAY SYMBOLS

- | | | | |
|--|----------------------|--|---------------------------|
| | STRAIGHT WALL | | DOORS |
| | CURVED WALL | | ISOLATION DOORS |
| | CUTAWAY ALONG WALL | | PRIVACY SCREENS |
| | INNER FACE OF HULL | | RECTANGULAR LADDER ALCOVE |
| | CUTAWAY THROUGH DECK | | ROUND LADDER ALCOVE |
| | CUTAWAY ACROSS WALL | | STAIRS |
| | CUTAWAY THROUGH DOOR | | RAILING |
| | TREE, SHRUB | | JEFFERIES TUBE |