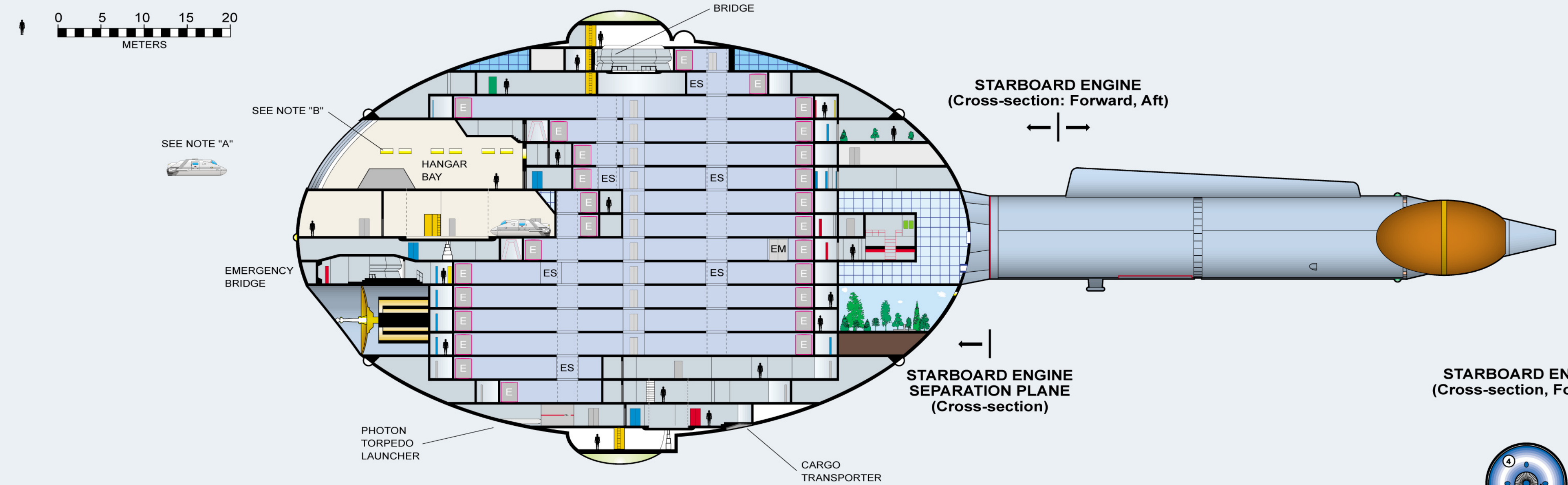
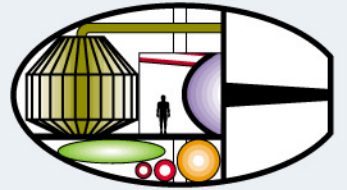


If printed 17 inches tall (from black-outlined edge to black-outlined edge) the scale of these drawings is 1/350.



IMPULSE ENGINE (Cutaway)



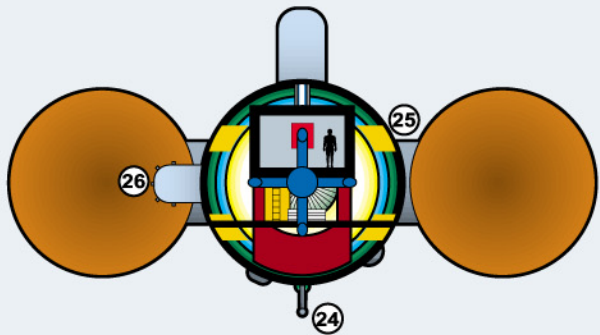
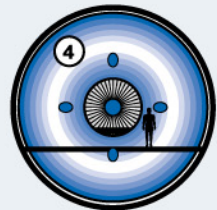
STARBOARD ENGINE (Cross-section: Forward, Aft)



STARBOARD ENGINE SEPARATION PLANE (Cross-section)

STARBOARD ENGINE (Cross-section, Forward)

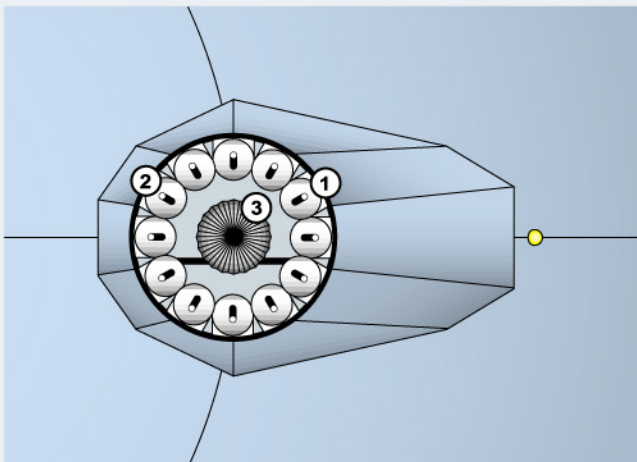
STARBOARD ENGINE (Cross-section, Aft)



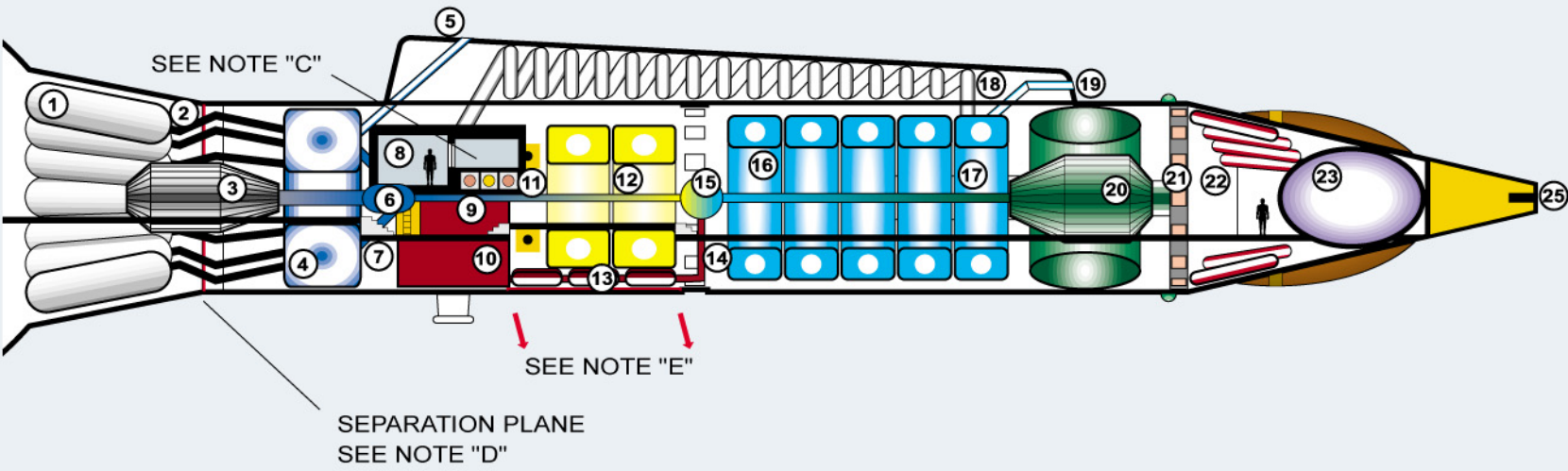
CALLOUTS

- | | |
|---------------------------------|---|
| ① MATTER STORAGE (FUEL TANKS) | ⑮ ANTIMATTER INJECTOR |
| ② FUEL LINES | ⑯ SPACE WARP GENERATOR |
| ③ INDUCTION COIL | ⑰ AXIALLY MOUNTED SPACE WARP MANIPULATORS |
| ④ FIRST STAGE PLASMA CYCLOTRON | ⑱ CHAMBERS COIL |
| ⑤ EMERGENCY PLASMA VENTS | ⑲ ANTI-NEUTRON DISCHARGE VENTS |
| ⑥ MAGNETIC INJECTOR | ⑳ MATTER / ANTIMATTER INTEGRATOR |
| ⑦ PLASMA FEED LINES | ㉑ SPACE MATRIX RESTORATION (FIRST STAGE) |
| ⑧ INSPECTION STATION | ㉒ SPACE MATRIX RESTORATION (SECOND STAGE) |
| ⑨ POWER CONDUITS | ㉓ SPACE MATRIX RESTORATION (FINAL STAGE) |
| ⑩ ANTIMATTER GENERATOR | ㉔ TACHYON DISSIPATION FIN |
| ⑪ MANEUVERING THRUSTERS | ㉕ MANEUVERING THRUSTER |
| ⑫ SECOND STAGE PLASMA CYCLOTRON | ㉖ INTERCOOLER |
| ⑬ ANTIMATTER STORAGE | |
| ⑭ ANTIMATTER FUEL LINES | |

STARBOARD ENGINE SEPARATION PLANE (Cross-section)



STARBOARD ENGINE (Cutaway)



CUTAWAY SYMBOLS

- | | | | |
|--------------------|---------------------------------|---------------------------|-------------|
| STRAIGHT WALL | CUTAWAY THROUGH DECK | ISOLATION DOORS | STAIRS |
| CUTAWAY ALONG WALL | CUTAWAY THROUGH WALLS AND DOORS | RECTANGULAR LADDER ALCOVE | RAILING |
| INNER FACE OF HULL | DOORS | ROUND LADDER ALCOVE | TREE, SHRUB |

NOTES

- A**
The Shuttlecraft shown here is from STAR TREK ENTERPRISE. It is the same approximate time period, and the size / shape fits with the Mann-class.
- B**
Even though all my other blueprints show windows in blue, I show the windows in yellow in these blueprints to match the painting by Rick Sternbach, which contrast nicely against the blue hull.
- C**
The Matter-Antimatter Reaction Chamber is heavily shielded and recessed within the Warp Engine nacelle.
- D**
The location of the "Separation Plane" for each Warp Engine was extrapolated from details visible on Rick Sternbach's painting. In the event of separation, the four (4) Impulse Engine modules are lost, but the fuel lines ② can still provide a limited form of thrust and maneuvering.
- E**
Antimatter is created / stored in the engine nacelles. In an emergency, the red-outlined panels swing open and the antimatter is ejected downwards.