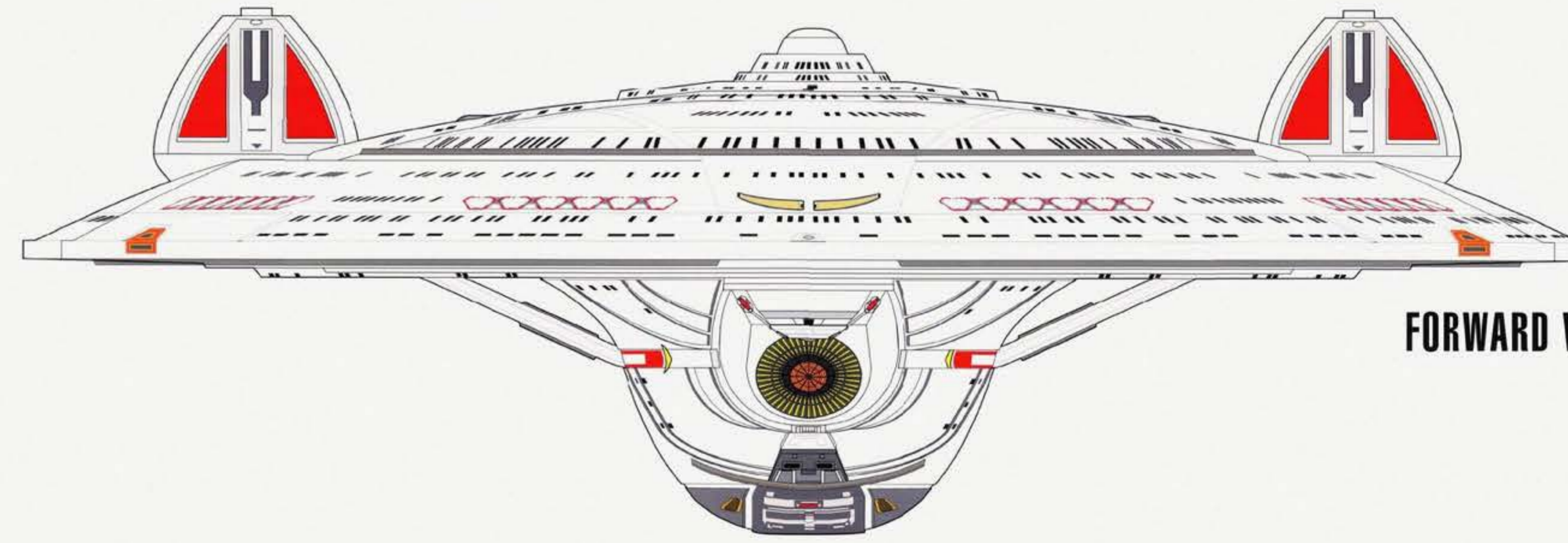
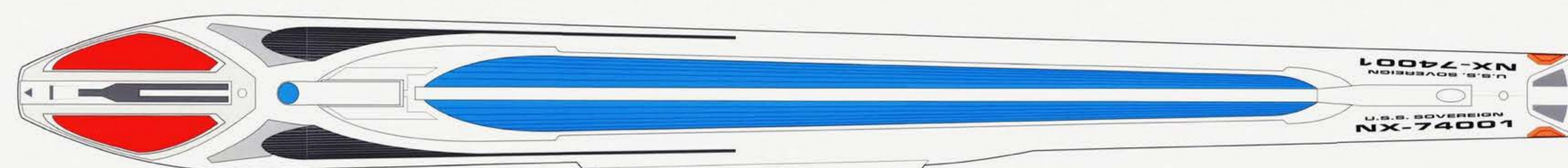
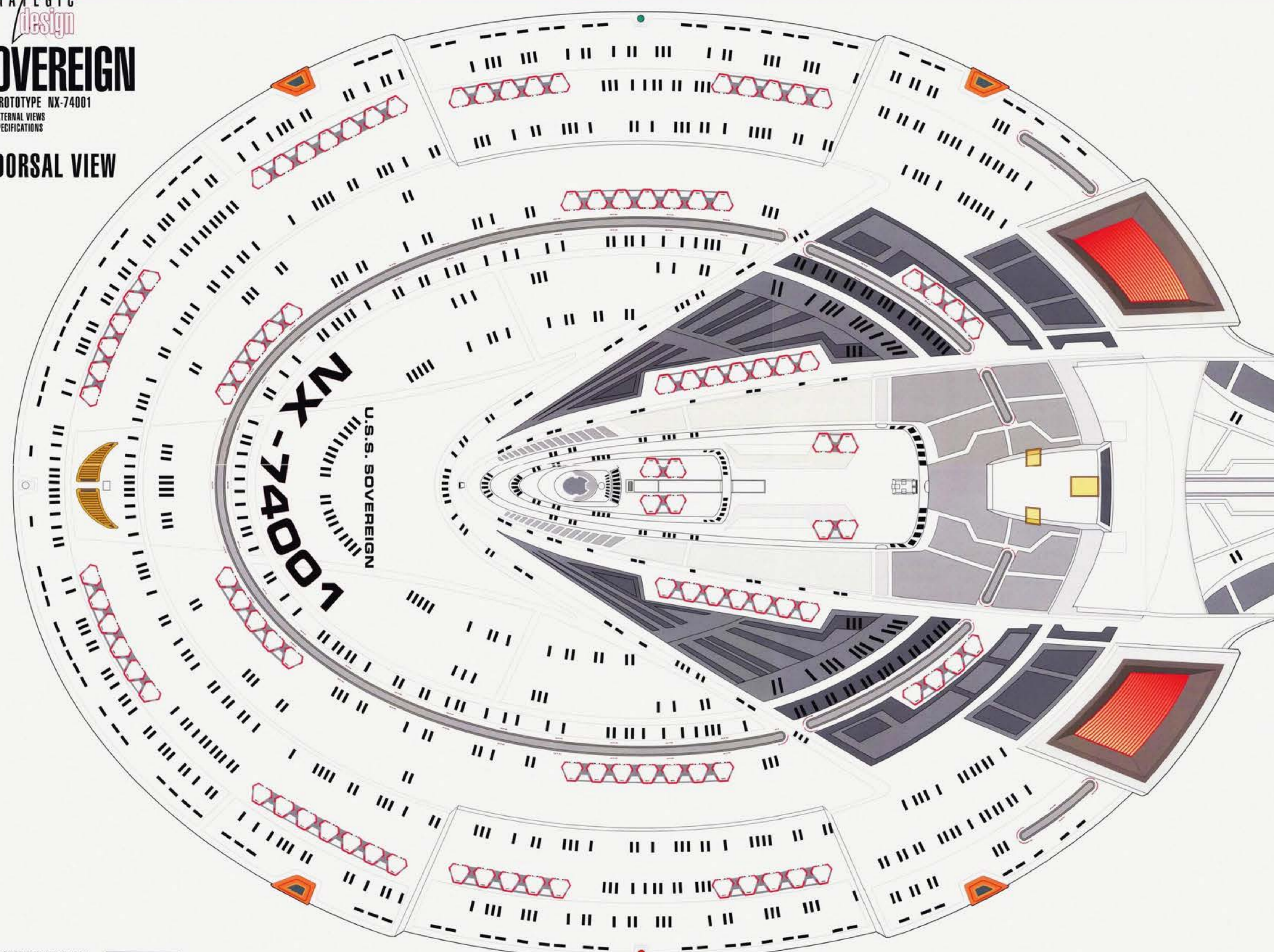


SOVEREIGN

PROTOTYPE NX-74001
EXTERNAL VIEWS
SPECIFICATIONS

DORSAL VIEW



FORWARD VIEW

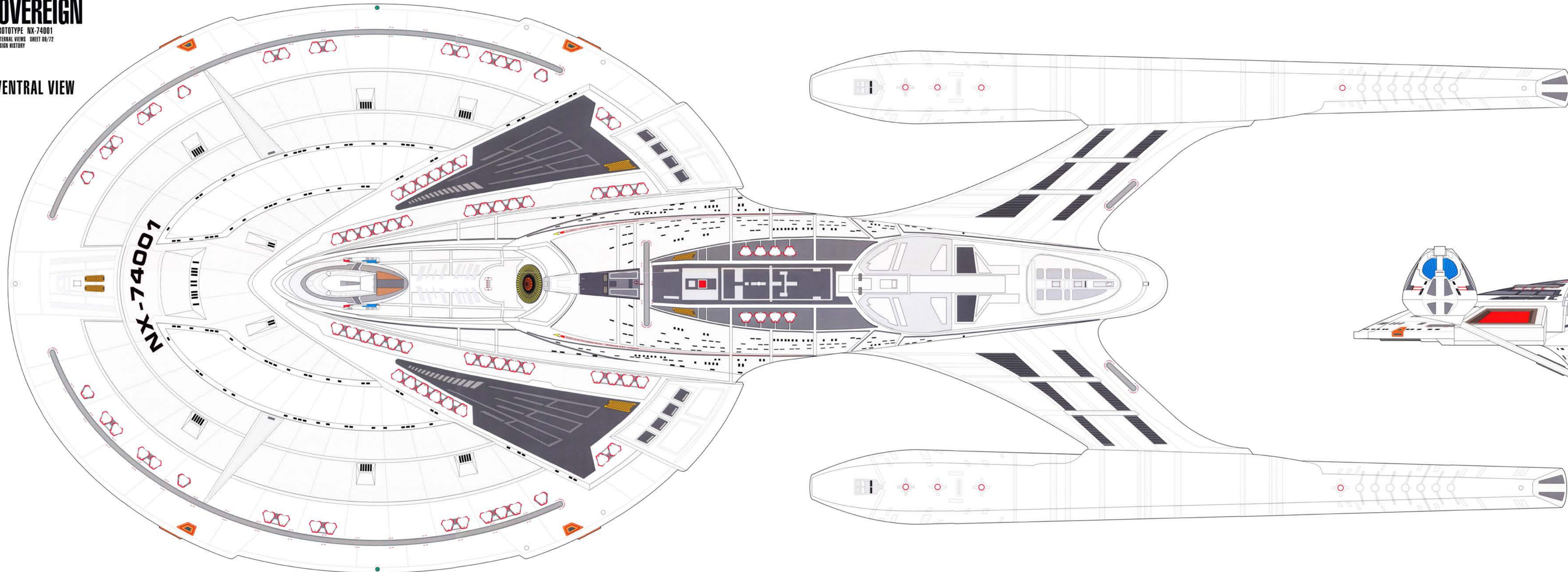
SPECIFICATIONS

PARTICULARS	Value	WARP SYSTEMS	Value
Vessel Class	Sovereign	Power	Mother / Admother Reactor (1.2 X 10 ¹¹ megawatt)
Identification	NX-74001	Crushing Speed	wd 8.0
Type	Exploration Cruiser	Flank Speed	wd 8.0 (Sustainable for 12 hours)
		Dorsal Speed	wd 8.95 (Sustainable for 1 hour)
SPACEFRAME		AUXILIARY WARP SYSTEMS	
Overall Length	885 meters	Power	Mother / Admother Reactor (4.8 X 10 ¹¹ megawatt)
Overall Beam	234 meters	Crushing Speed	wd 4.1
Overall Draft	85 meters		
Deck	23	IMPULSE SYSTEMS	
Displacement	2.9 X 10 ¹⁰ tons	Power	Saucer Section - 40 deuterium fusion reactor (1.25 X 10 ¹¹ megawatt)
			Engineering Section - 12 deuterium fusion reactor (1.25 X 10 ¹¹ megawatt)
		Vector Thrust	12 (Saucer section)
		Crushing Speed	2 (Engineering section)
		Flank Speed	0.25 c
			0.82 c
CREW & AUXILIARY SYSTEMS		TACTICAL SYSTEMS	
Complement	210 Officers	Phase	12 - Type X ship
	2100 Civilian	Main Torpedo Launchers	2 Fore / 2 Aft - Type 21 (Dorsal fire)
Transports	6 6 personnel	Main Torpedo Magazines	88 Mark VI Photon Torpedoes
	2 22 personnel Emergency	Point Torpedo Launchers	3 Fore / 3 Aft - Type 21 (Dorsal fire)
	8 Cargo	Point Torpedo Magazines	88 Mark VI Photon Torpedoes
INFORMATION SYSTEMS		Grid	17 0F-1 / 22.8 Regenerative Shield Generator (rated 2.1 X 10 ¹⁰ mw - standby / 5.9 X 10 ⁹ mw - alert)
Computer Core	4 (2 Primary / 2 Secondary)		10 Primary Structural Integrity Field Generator (rated 1.15 X 10 ⁹ mw)
	10000 Optical Chip Transistor		8 Secondary Structural Integrity Field Projector (rated 2.3 X 10 ⁹ mw)
	FTL Neuroprocessors		1 - Primary Forward (5.5 X 10 ⁹ megawatt - 700 millisecond)
	Universal Subject Subprocessors		1 - Secondary Dorsal - Forward (4 x 1.17 X 10 ⁹ megawatt - 400 millisecond)
			Main - 2 Fore / 2Aft / 2 Lateral (18 megawatt - 45 millisecond)
			Stability Overload (interval)

SOVEREIGN

PROTOTYPE NX-74001
EXTERNAL VIEWS SHEET 08/72
DESIGN HISTORY

VENTRAL VIEW



DESIGN HISTORY

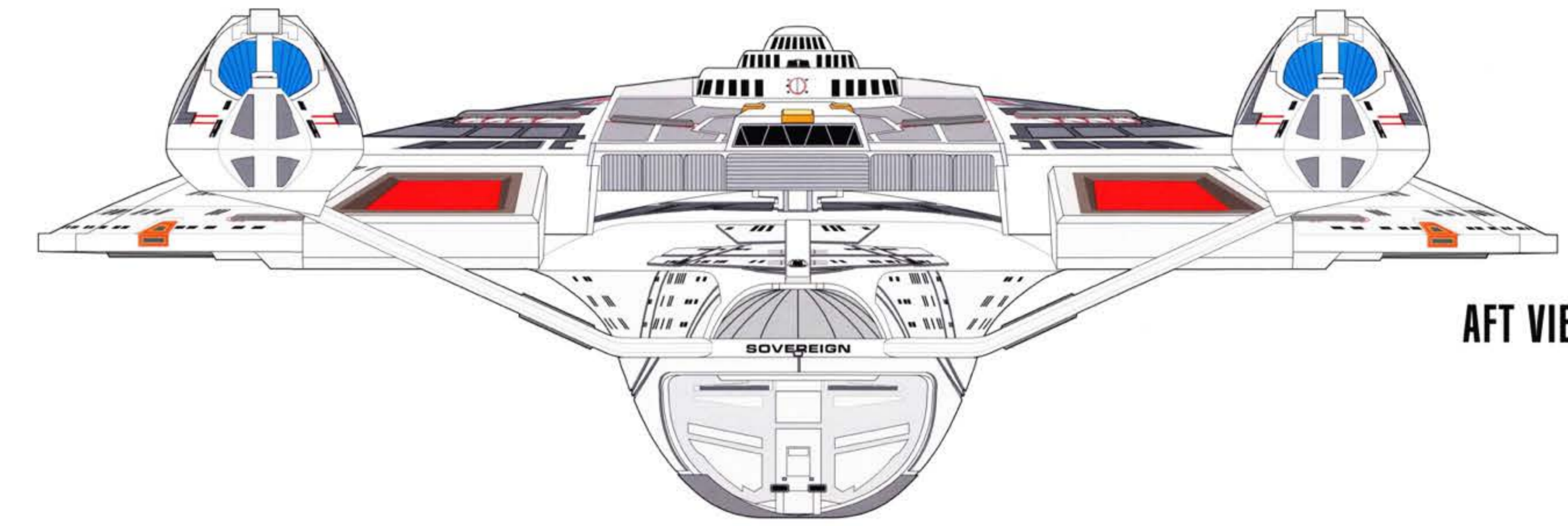
Project Sovereign was first proposed by Starfleet Command to the Federation Council in 2270 as a capital ship to support the Galaxy class. To aid in its primary role of exploration and discovery, the Sovereign is equipped with the very latest in science and tactical sensors, and possesses lab facilities which mirror even those of the Galaxy class. The Galaxy class has had a secondary role of diplomatic courier and visitor, and the Sovereign was outlined to carry on these responsibilities as well. Only 75 percent of its deck 12 is given over to dedicated diplomatic quarters, conference rooms and lounges, for those occasions when the vessel is hosting one or more diplomatic parties. The Sovereign class contains the very latest in ordinance technology, with some features enhanced to allow for added capabilities as the need is perceived. Designed as Exploration Cruisers, the Sovereign class is intended for deep space exploration assignments. In 2271 Starfleet Command authorized the Advanced Starship Design Bureau to begin the design process. The Bureau's Starfleet Tactical Development Division experimented with several spacecraft concepts, finally electing the 'Hybrid hull' spacecraft, pioneered in the Nova- and Intrepid-class designs. The U.S.S. Sovereign features several relatively new concepts:

Regenerative Shielding: Standard Starfleet vessel construction assigns a shield generator to each of ten or twenty hull areas - each demarcated by its own shield grid. The flux from the grids interact to form a force field 'bubble' around the ship - some 25-50 meters from the hull surface. If a force field's energy threshold is exceeded by attacking energy, the energy back flow overloads the generator (preventing further damage), rendering the corresponding grid useless and weakening that particular area of the 'bubble's' coverage. Regenerative shielding is a partial redress for this problem. Each module has two regenerative shield generators, each energizing a regenerative shield emitter. The emitters have a second 'bubble' 5 meters inside the standard shield 'bubble'. Should a standard defense field generator be damaged, backing that section of shielding, the regenerative shield bubble would remain, protecting that aspect of the hull.

Abolitive Armor: The destroyer U.S.S. Diligent was the first Starfleet vessel to pioneer abolitive armor technology - by purchasing hull armor from a non-Starfleet supplier and adding the armor as a retrofit - post-launch - at her home station. The Sovereign class has abolitive armor included as part of its basic design specifications. Essentially a force fielding 15 cm. thick plating of coruscant basaltic composite (each segment is comprised of hundreds of small ball joints), the armor's purpose is to dissipate any attacking energy which penetrates the defense screens. Any surface which penetrates has each thermal energy begins to flash-hot away in layers, with the vaporized matter carrying the excess energy away from the vessel's tribonian hull plates.

Wary Dactylar: The wary dactylar generators of the Sovereign class are larger than those of any Starfleet vessel yet designed, and can enable the Primary Hull (if separated from the Secondary Hull at warty) to maintain wary speeds in excess of w47 for several weeks.

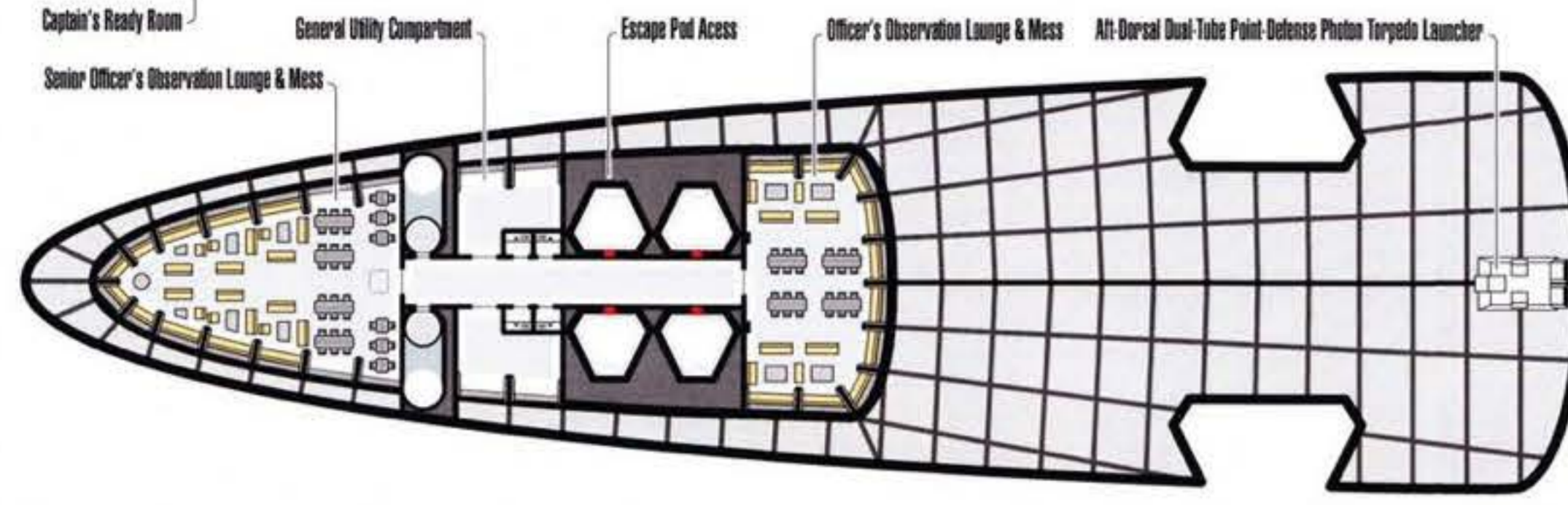
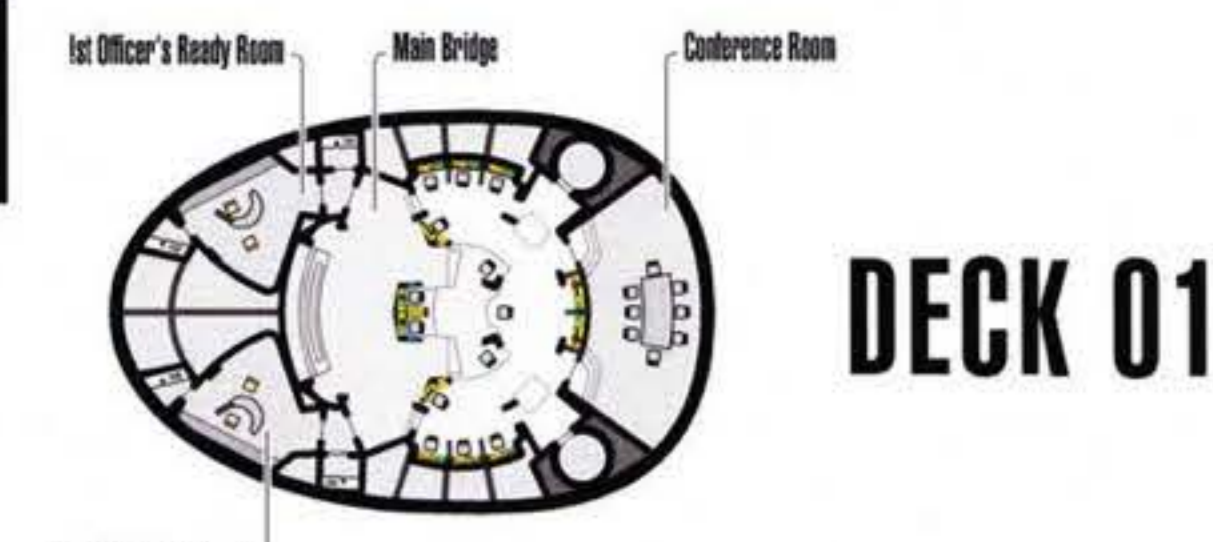
The first spacecraft components of the class' hull ship were gamma-welded at the Shipyard Plantia Port Works in 2268. On 15 March 2270, U.S.S. Sovereign (NX-74001) was launched from the Shipyard Plantia. It immediately began shakedown trials in the home sectors, being formally commissioned on 18 November.



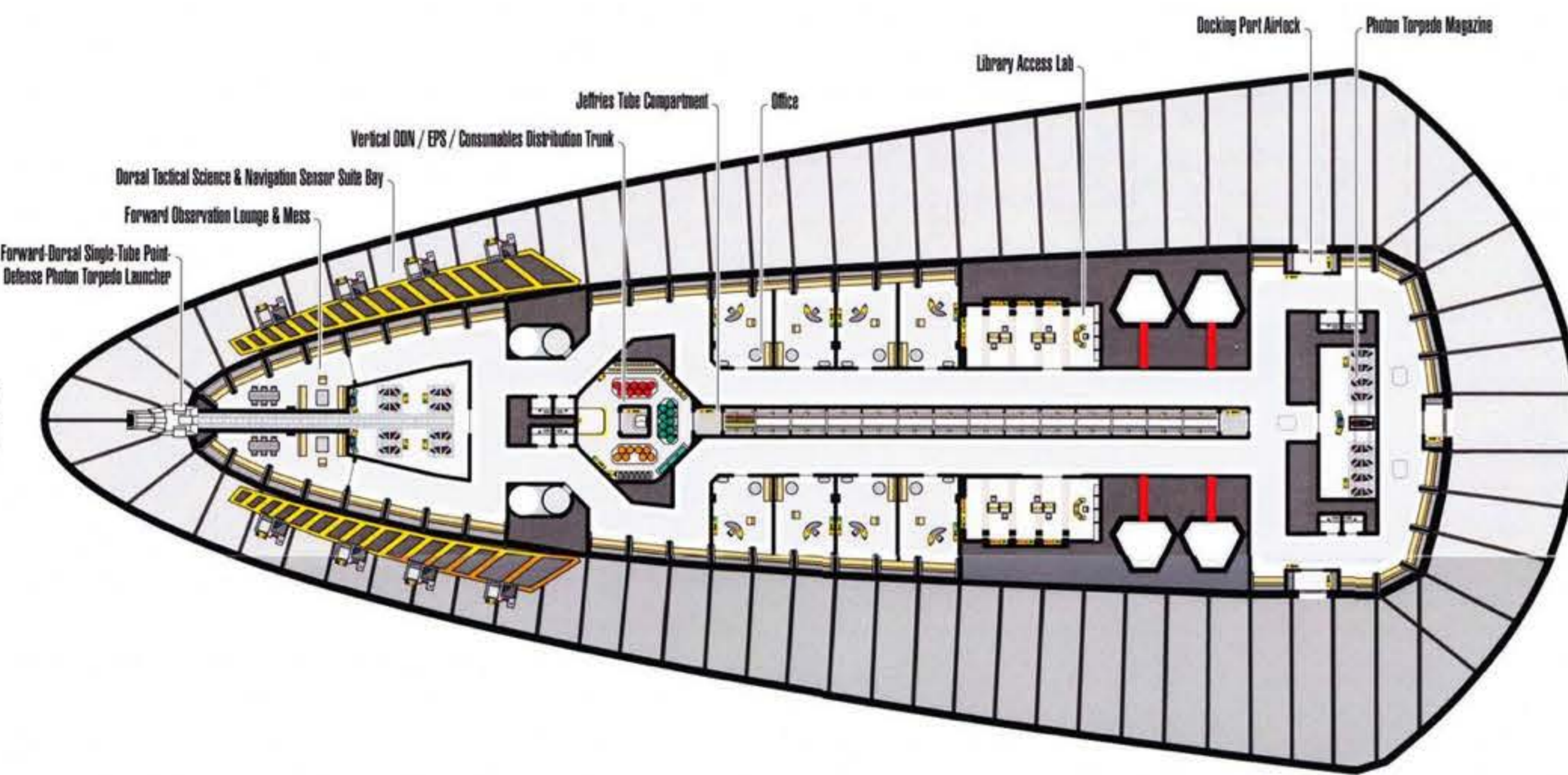
AFT VIEW

SOVEREIGN

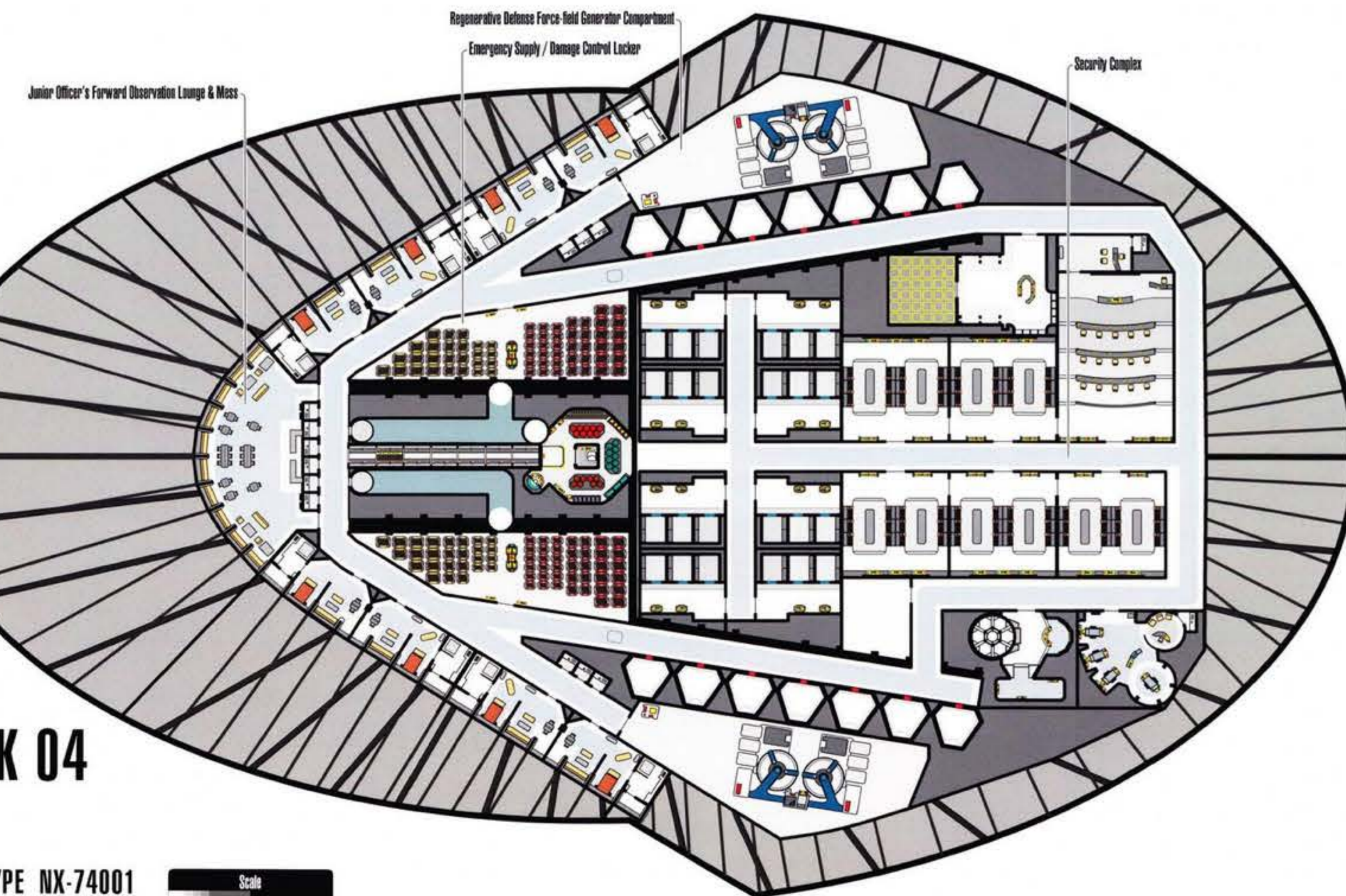
PROTOTYPE NX-74001
INTERNAL VIEWS SHEET 25/66
SYMBOL CHART



DECK 03



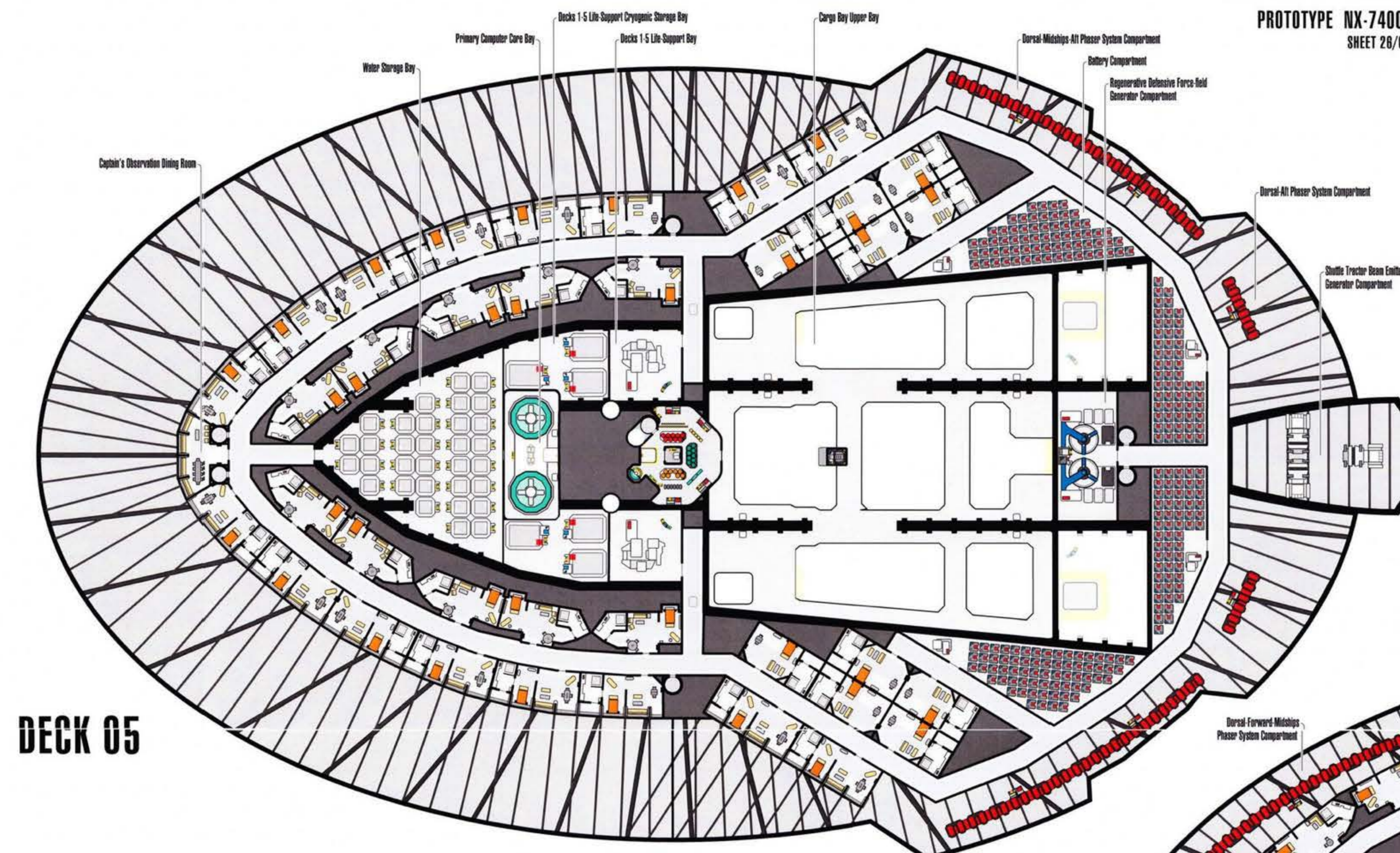
DECK 04



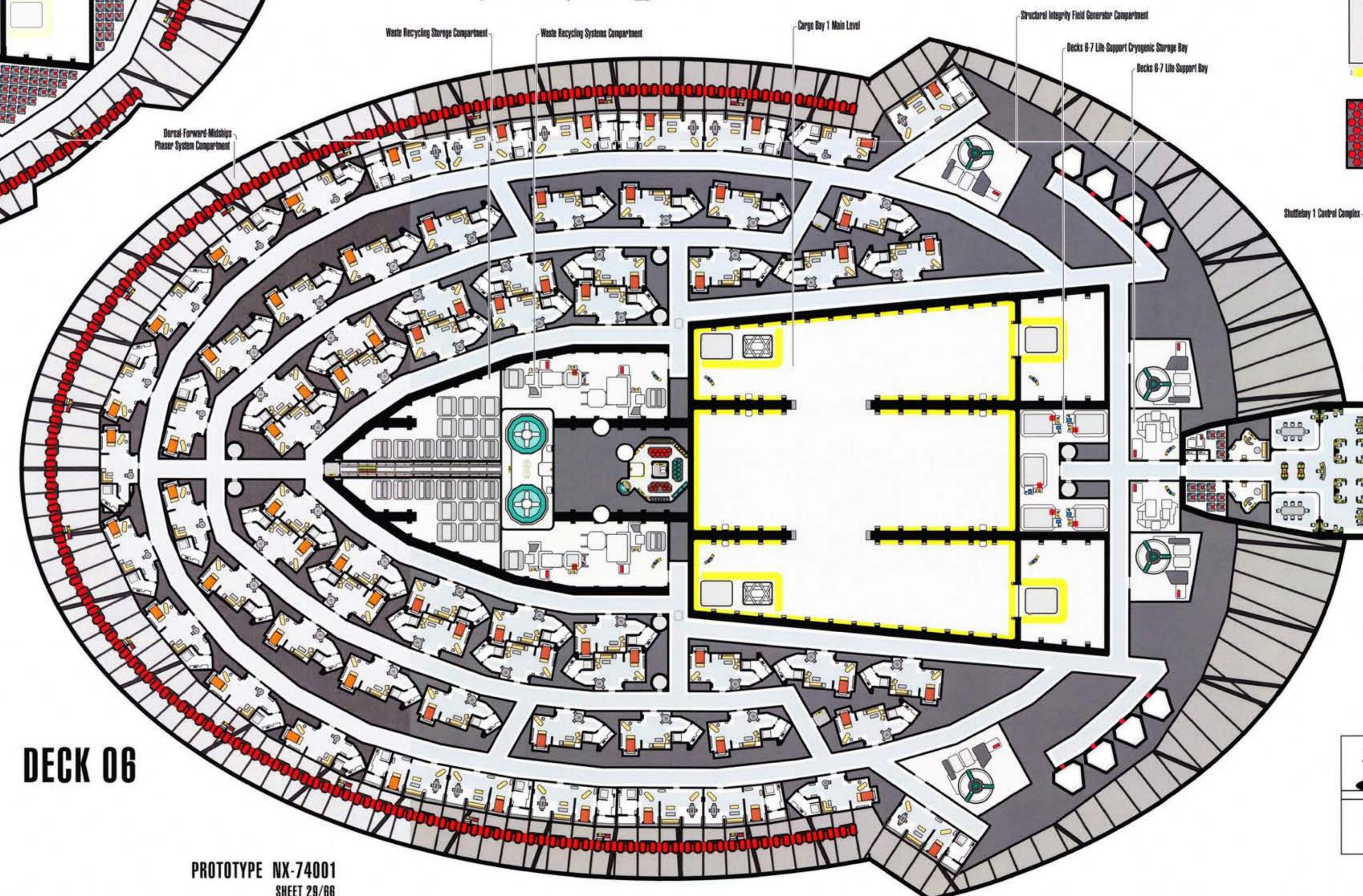
PROTOTYPE NX-74001
SHEET 28/66



DECK 05

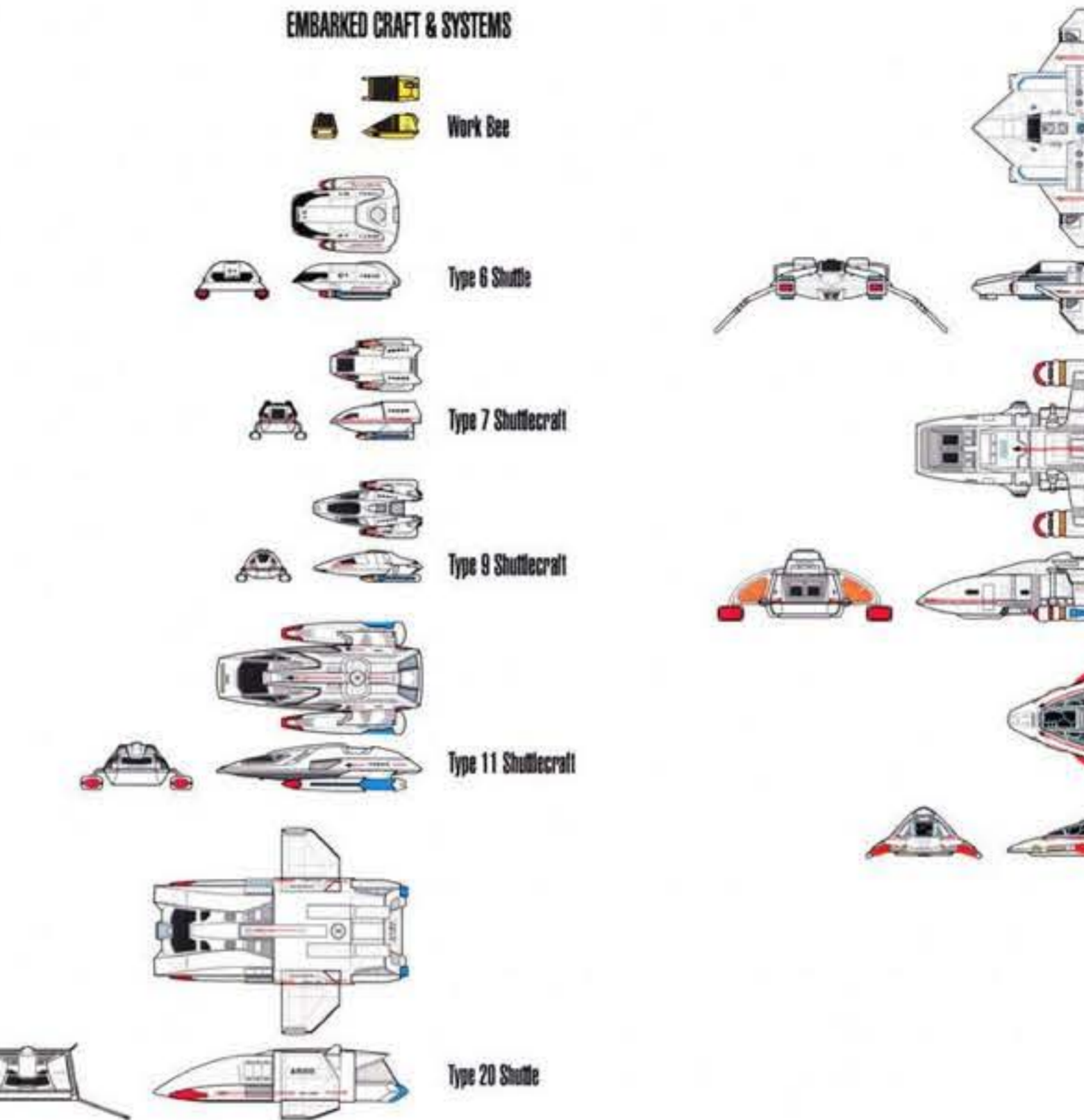


DECK 06

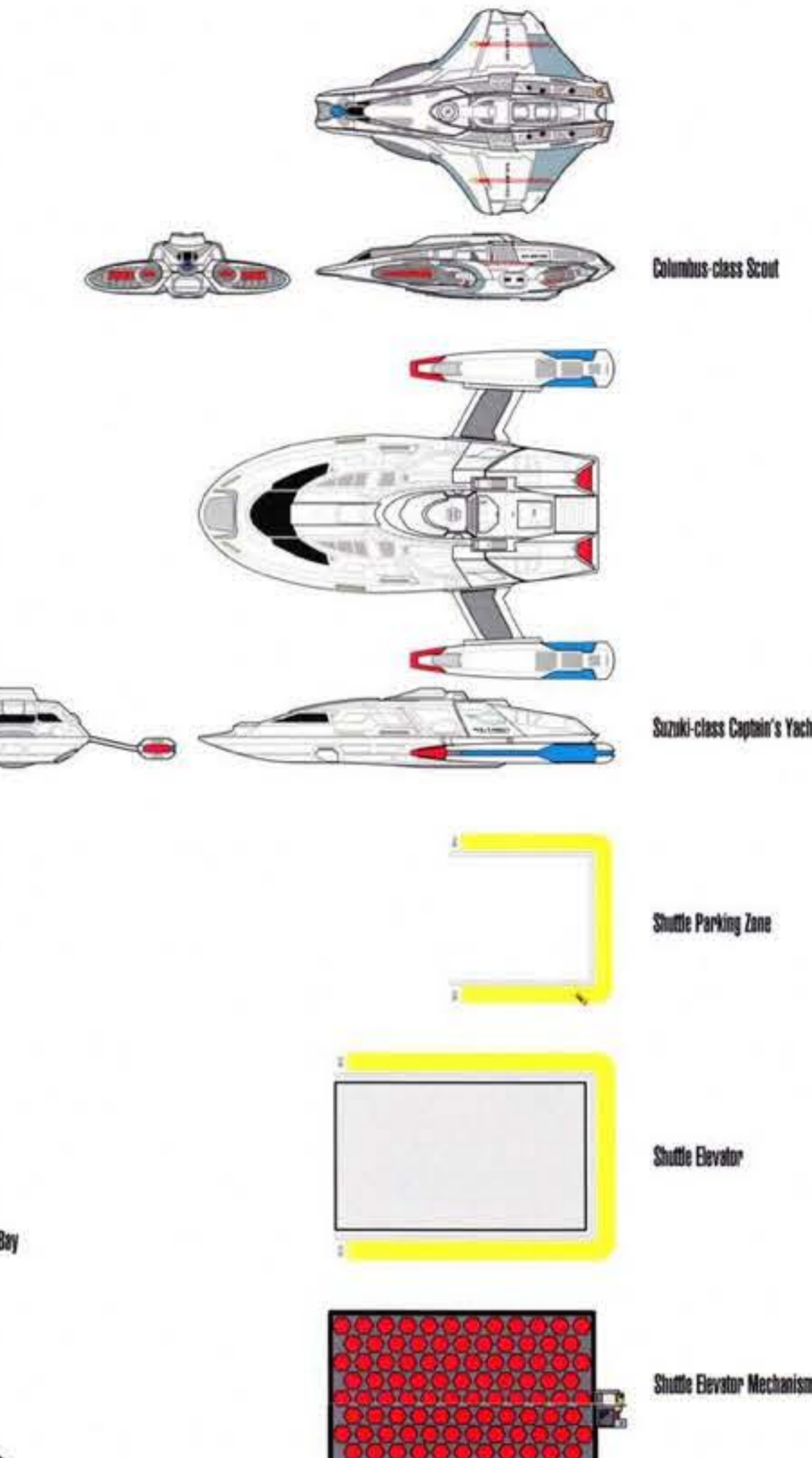


PROTOTYPE NX-74001
SHEET 28/66

SYMBOL CHART



PROTOTYPE NX-74001
SHEET 27/66

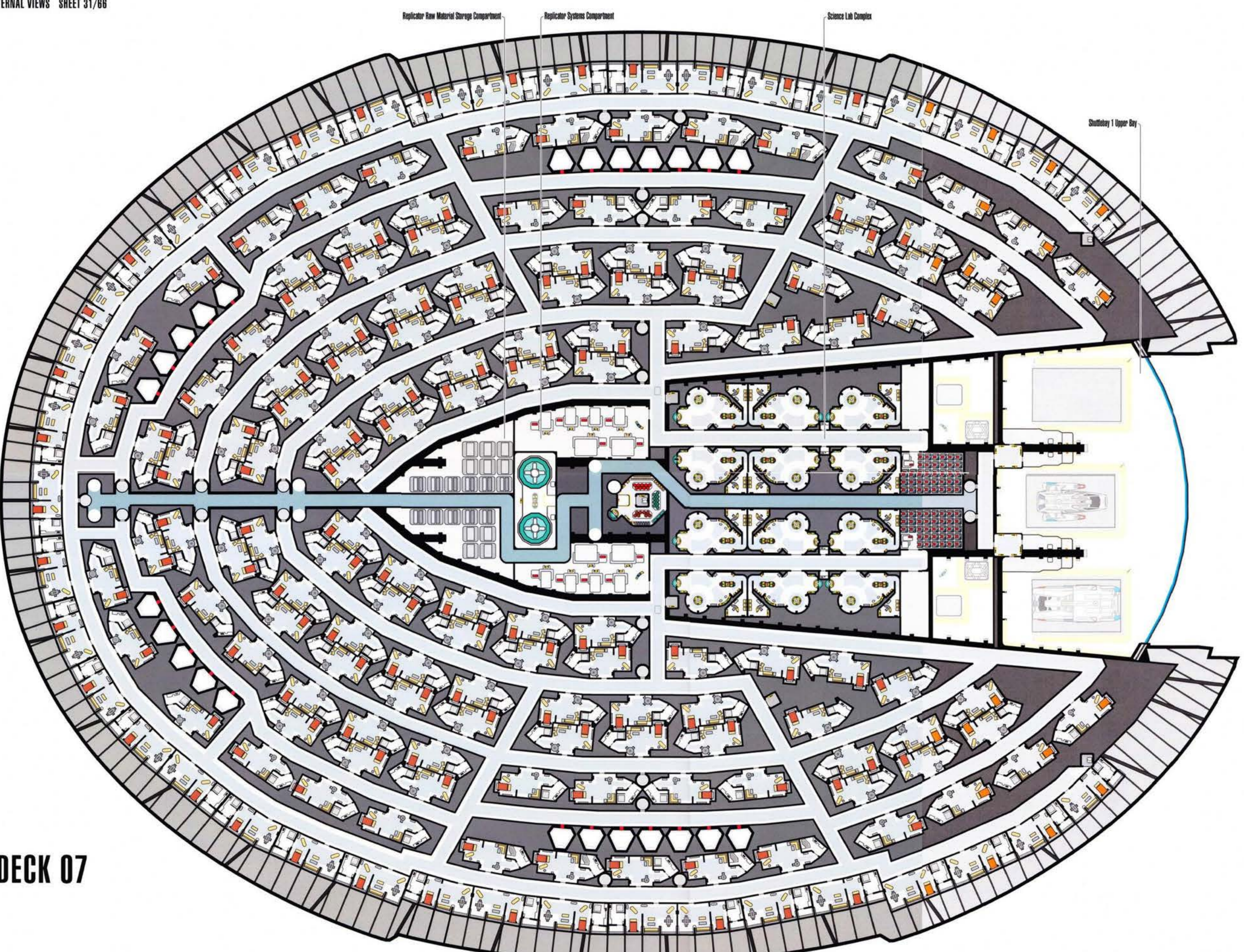


SHEET LAYOUT - PAGE 4

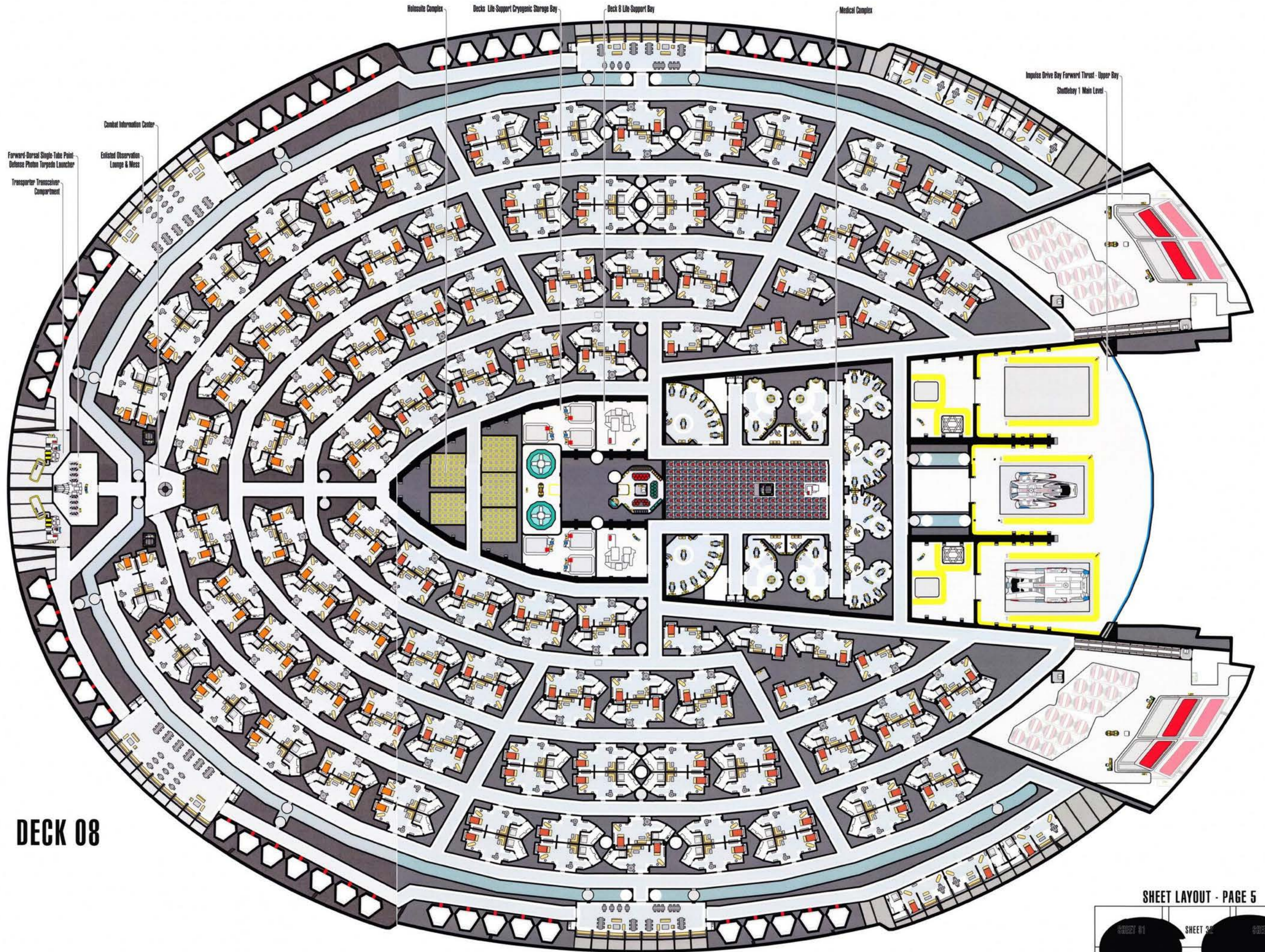


PROTOTYPE NX-74001
SHEET 30/66

DECK 07

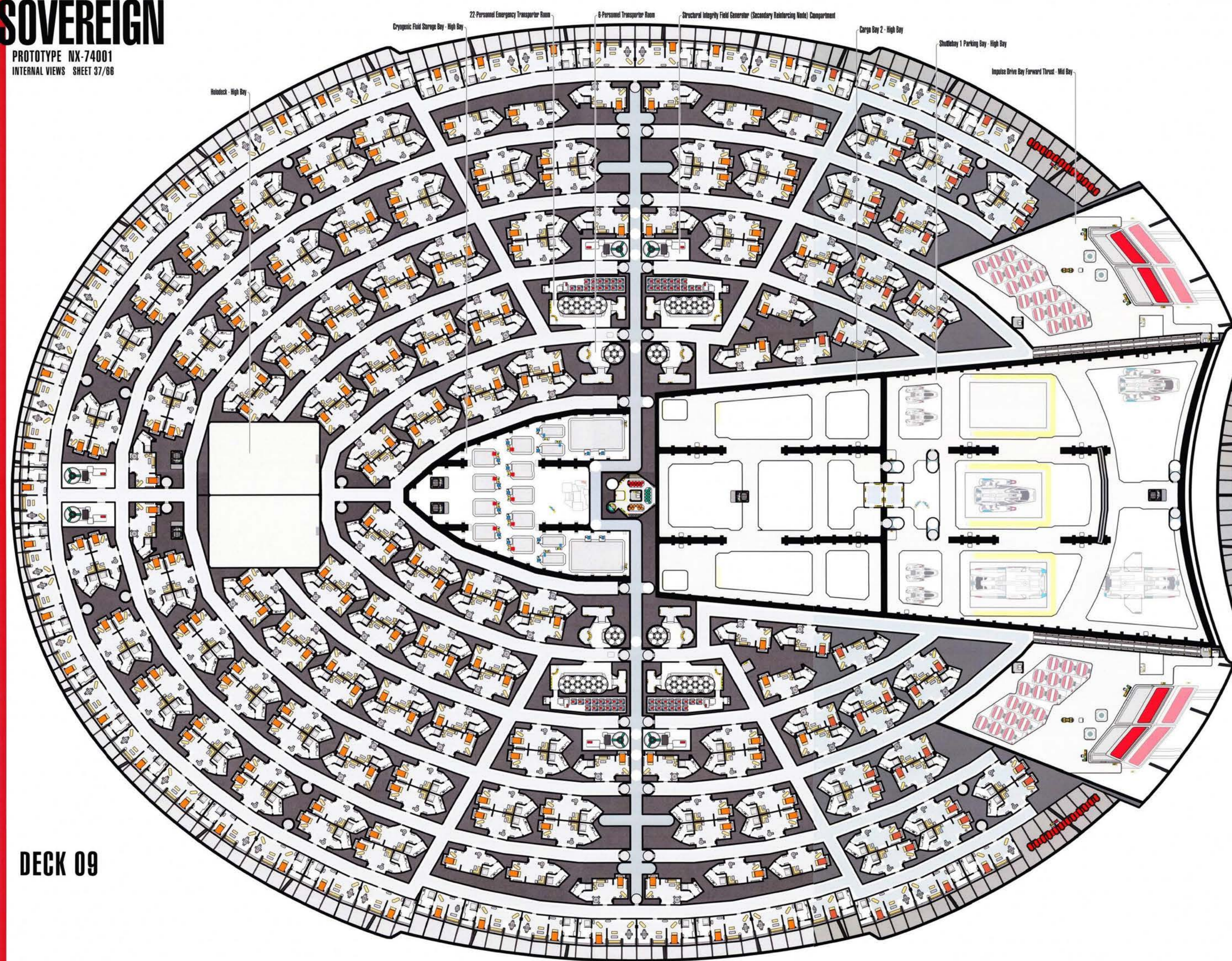


DECK 08



SOVEREIGN

PROTOTYPE NX-74001
INTERNAL VIEWS SHEET 37/66

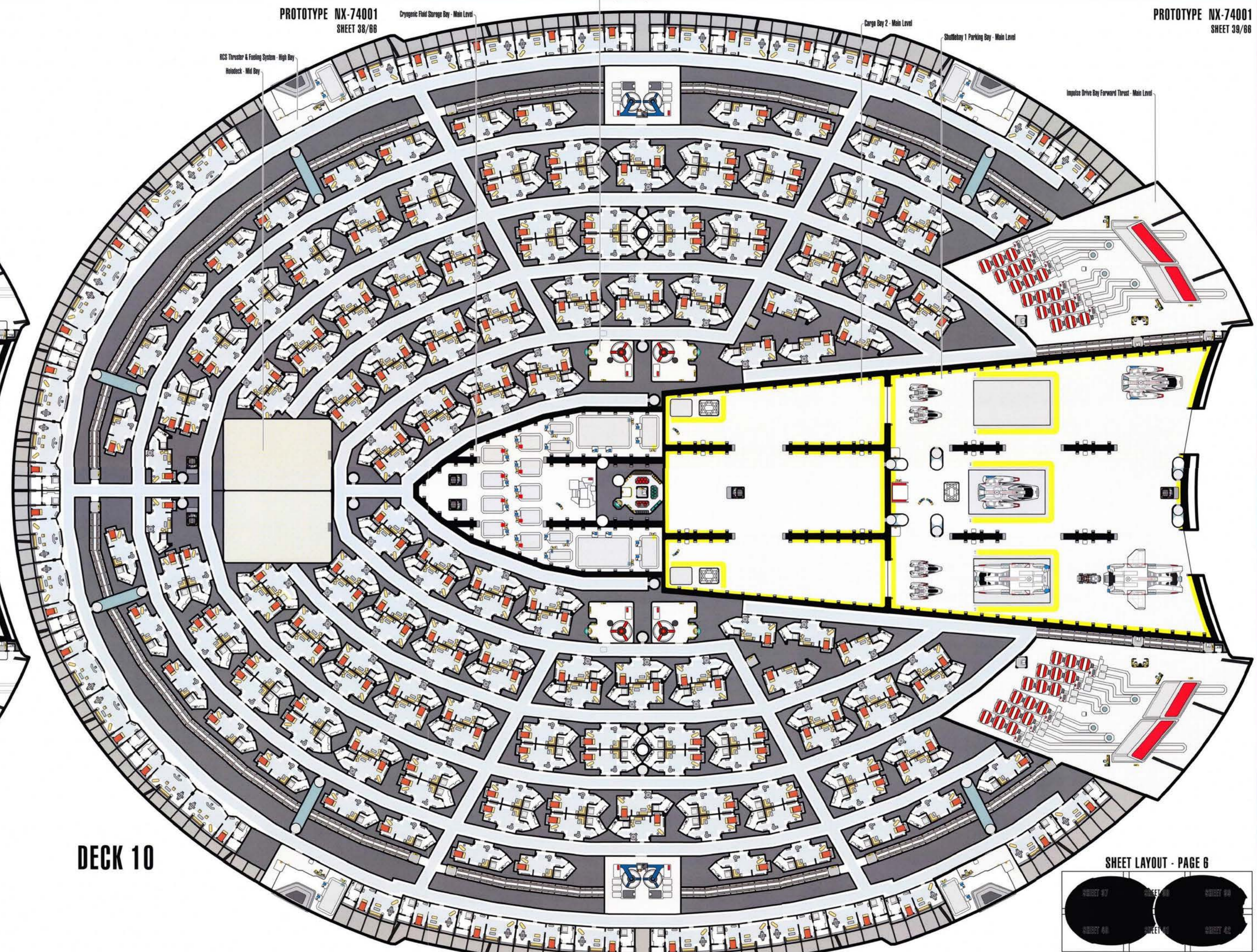


DECK 09

PROTOTYPE NX-74001
SHEET 40/66



PROTOTYPE NX-74001
SHEET 38/66

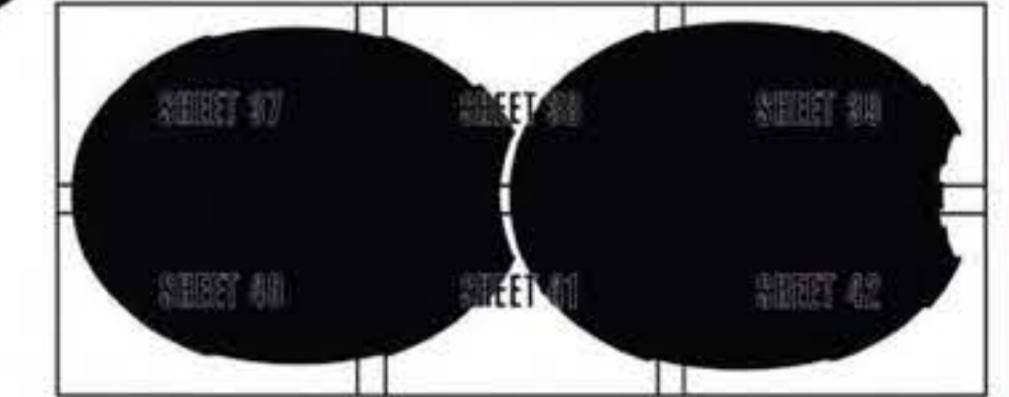


DECK 10

PROTOTYPE NX-74001
SHEET 41/66

PROTOTYPE NX-74001
SHEET 39/66

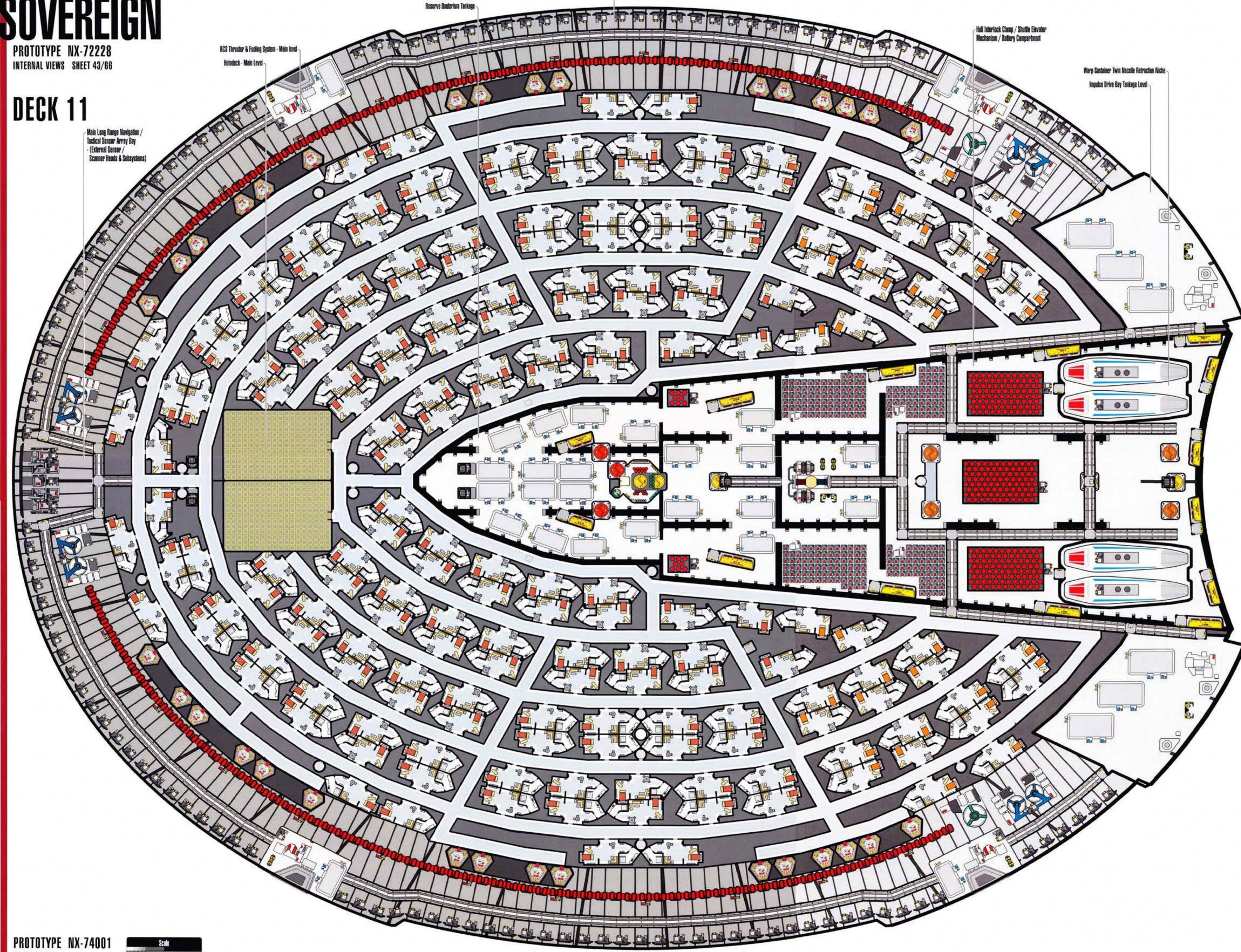
SHEET LAYOUT - PAGE 6



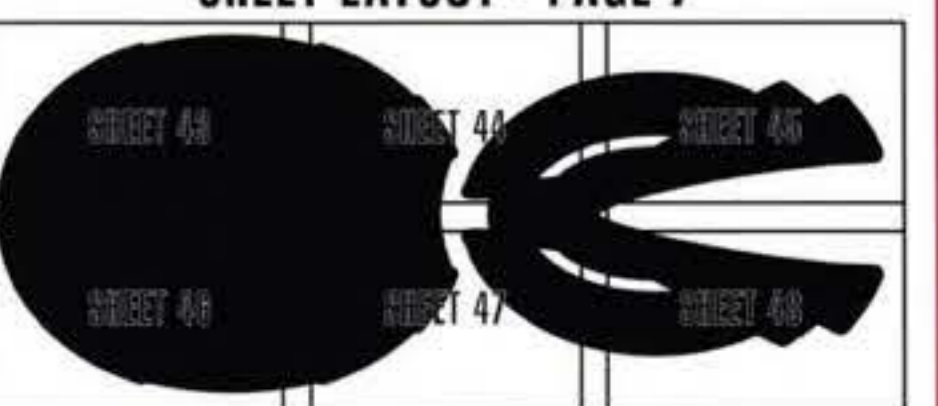
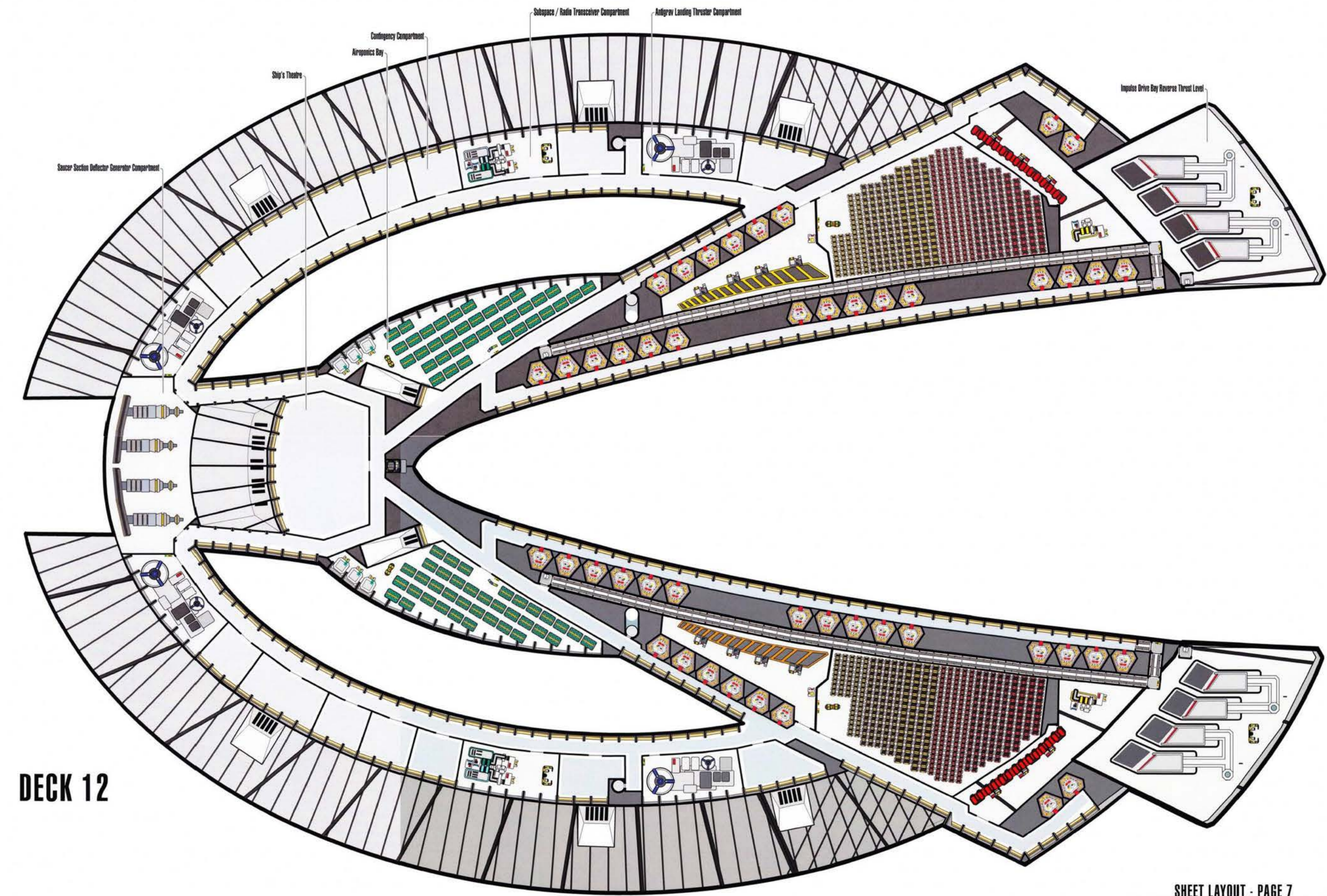
PROTOTYPE NX-74001
SHEET 42/66

DECK 11

Main Long Range Navigation /
Medical Sensor Array Bay
- External Sensor
Scanner Heads & Subsystems



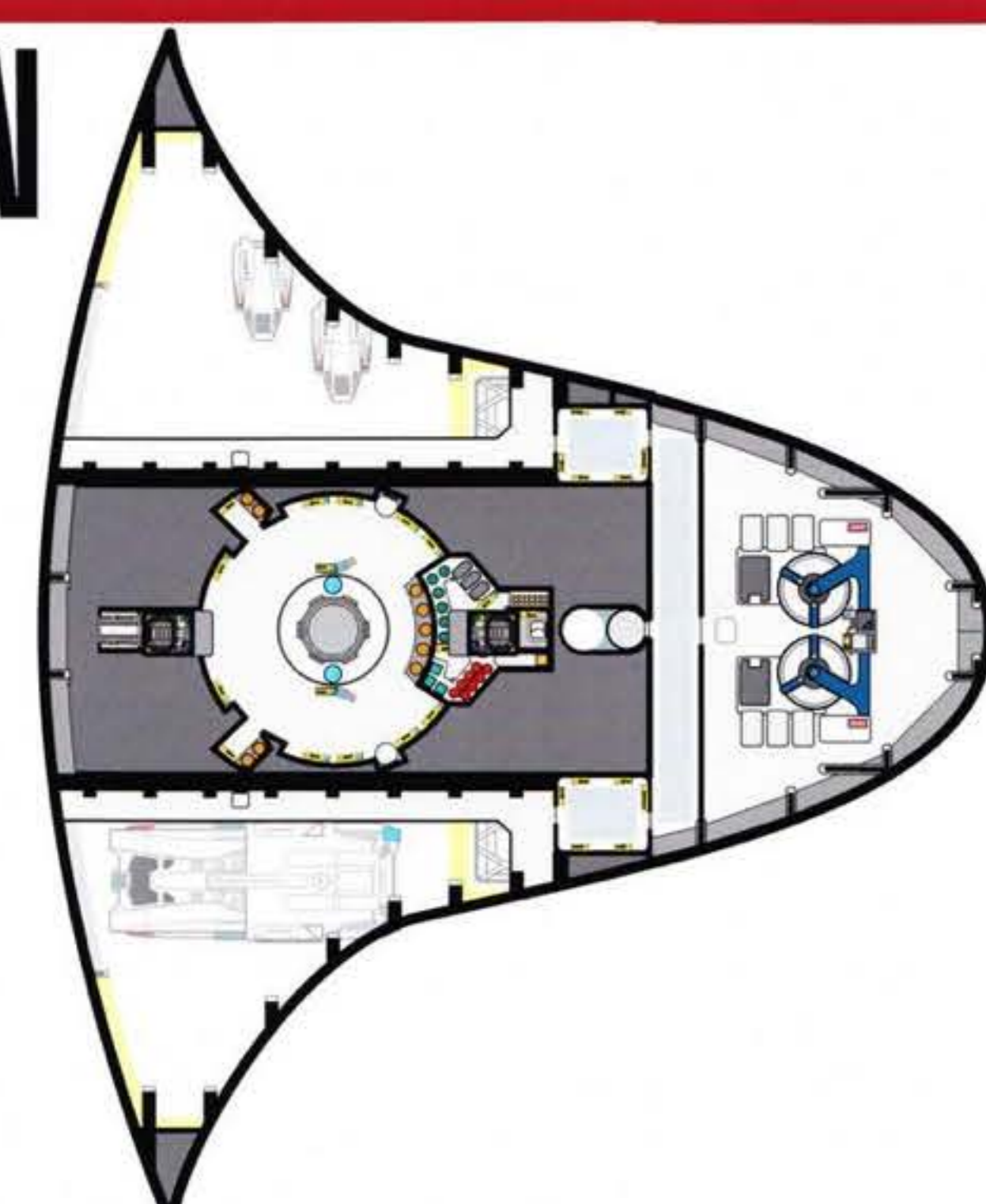
DECK 12



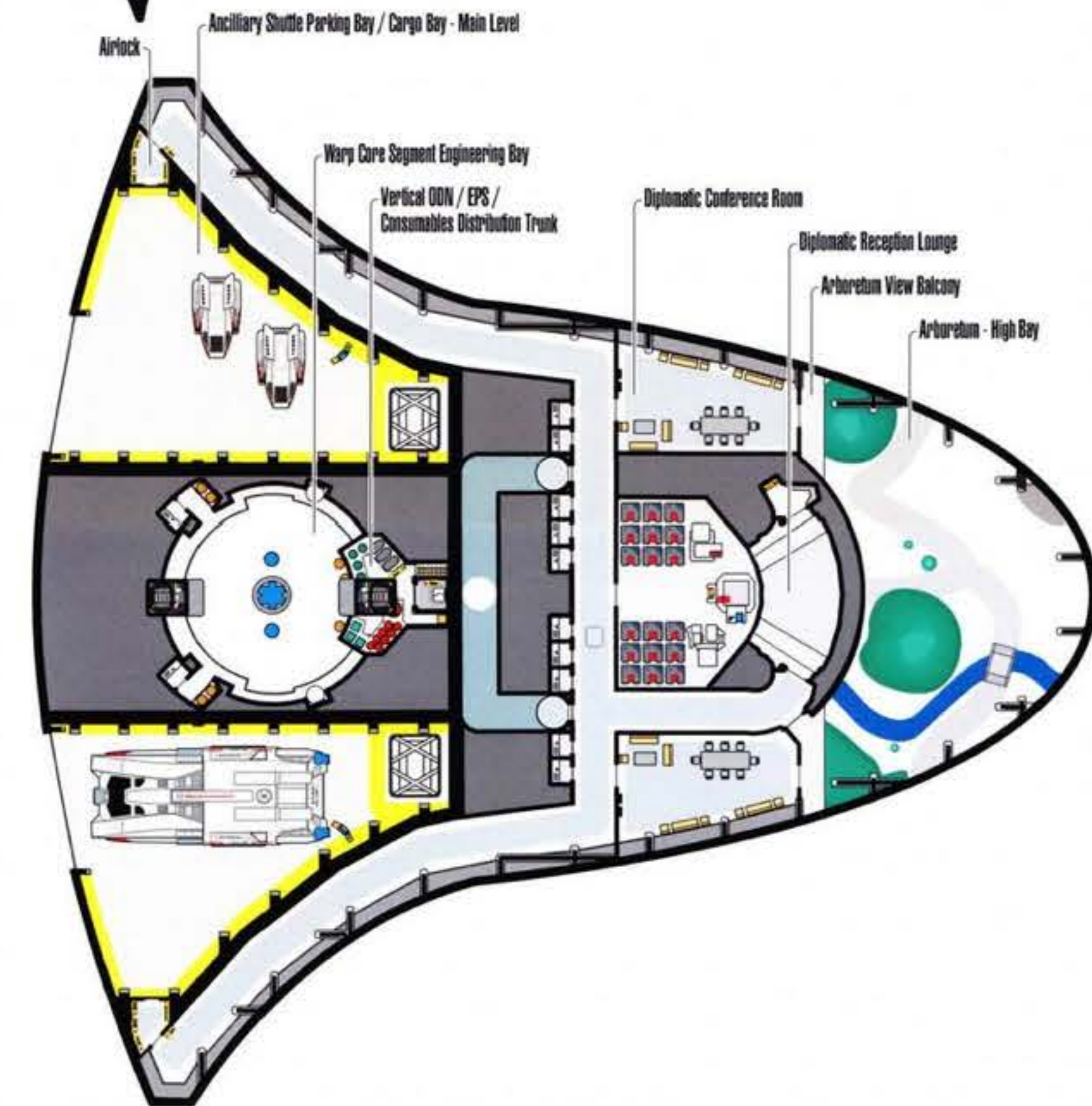
SOVEREIGN

PROTOTYPE NX-74001
EXTERNAL VIEWS SHEET 49/66
SPECIFICATIONS

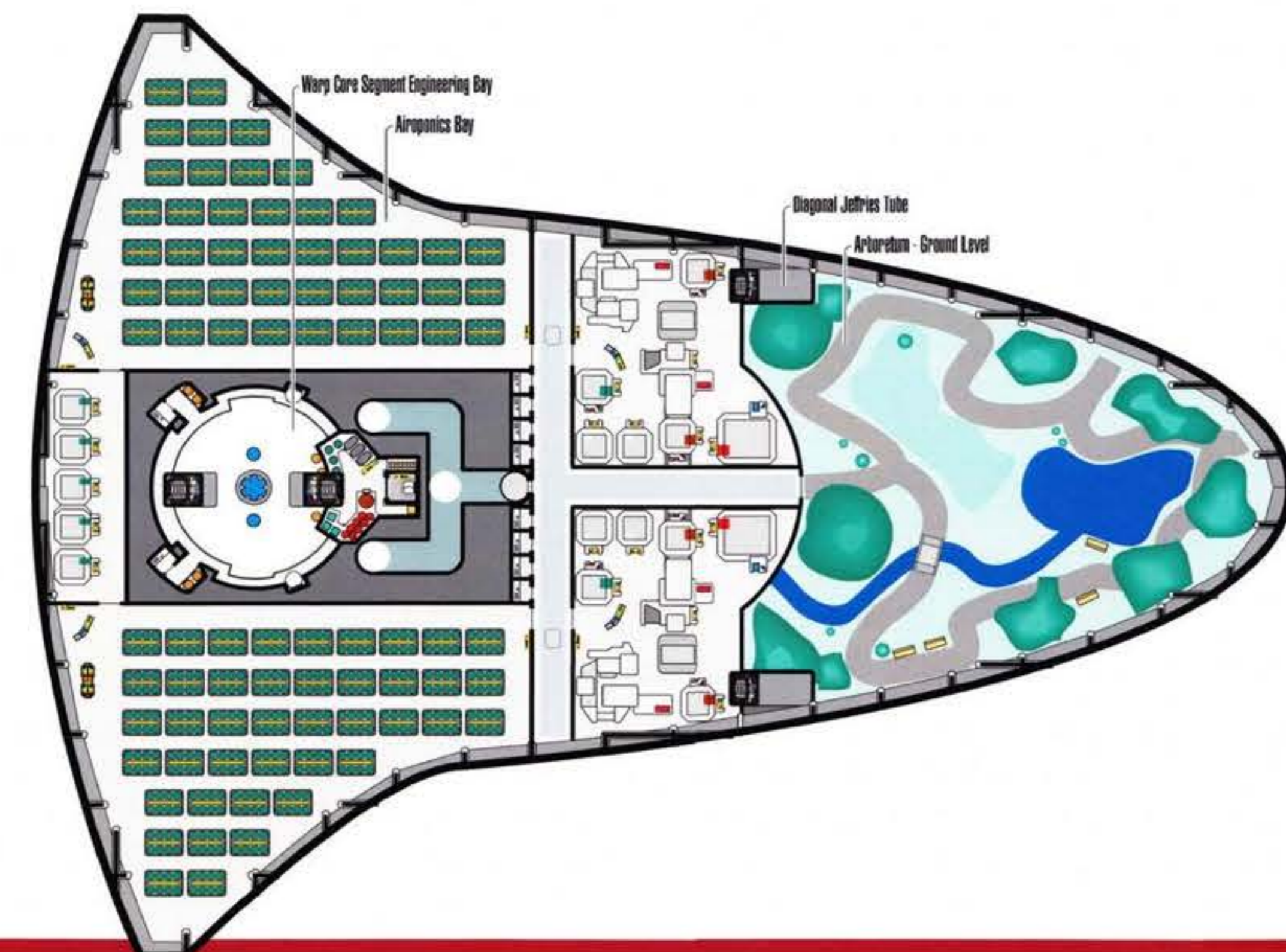
DECK 09



DECK 10

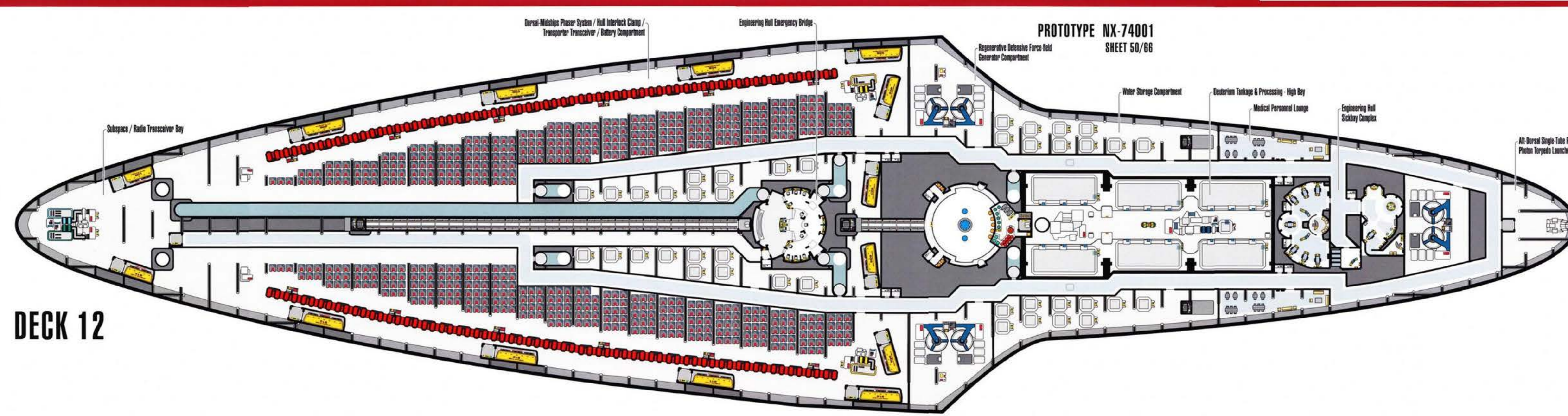


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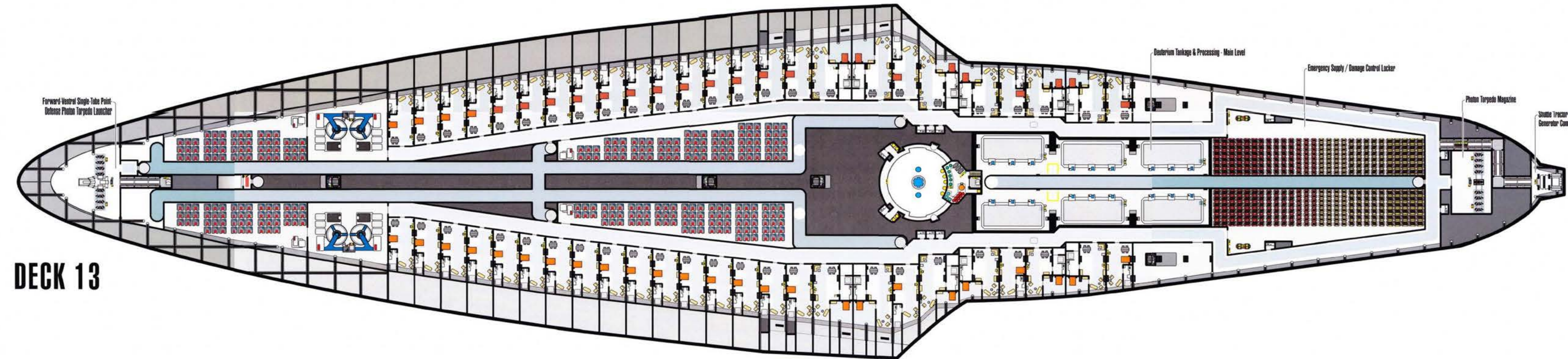


PROTOTYPE NX-74001
SHEET 52/66

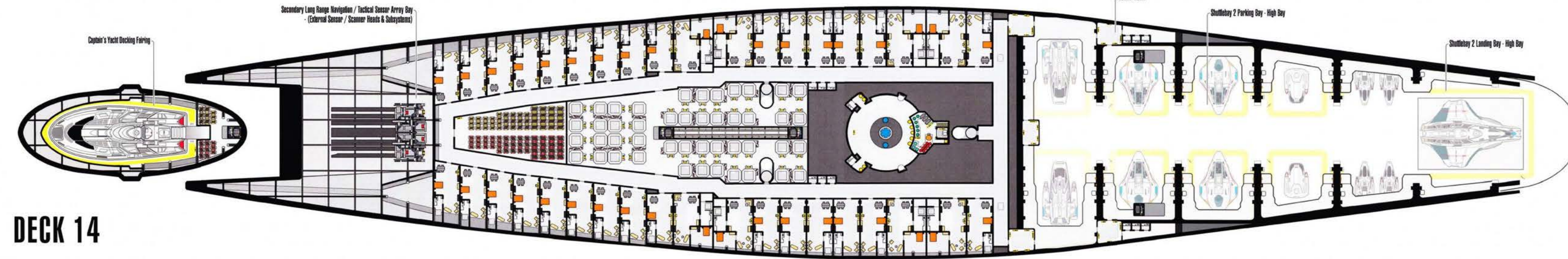
DECK 12



DECK 13



DECK 14



PROTOTYPE NX-74001
SHEET 53/66

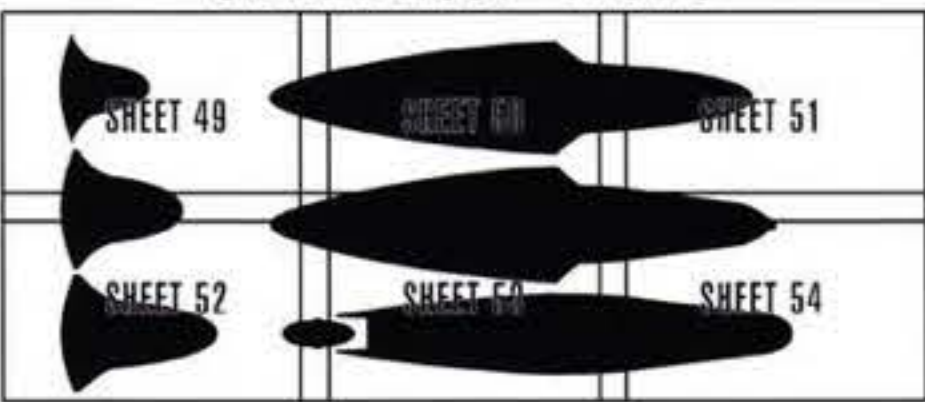
SYMBOL CHART

PROTOTYPE NX-74001
SHEET 51/66

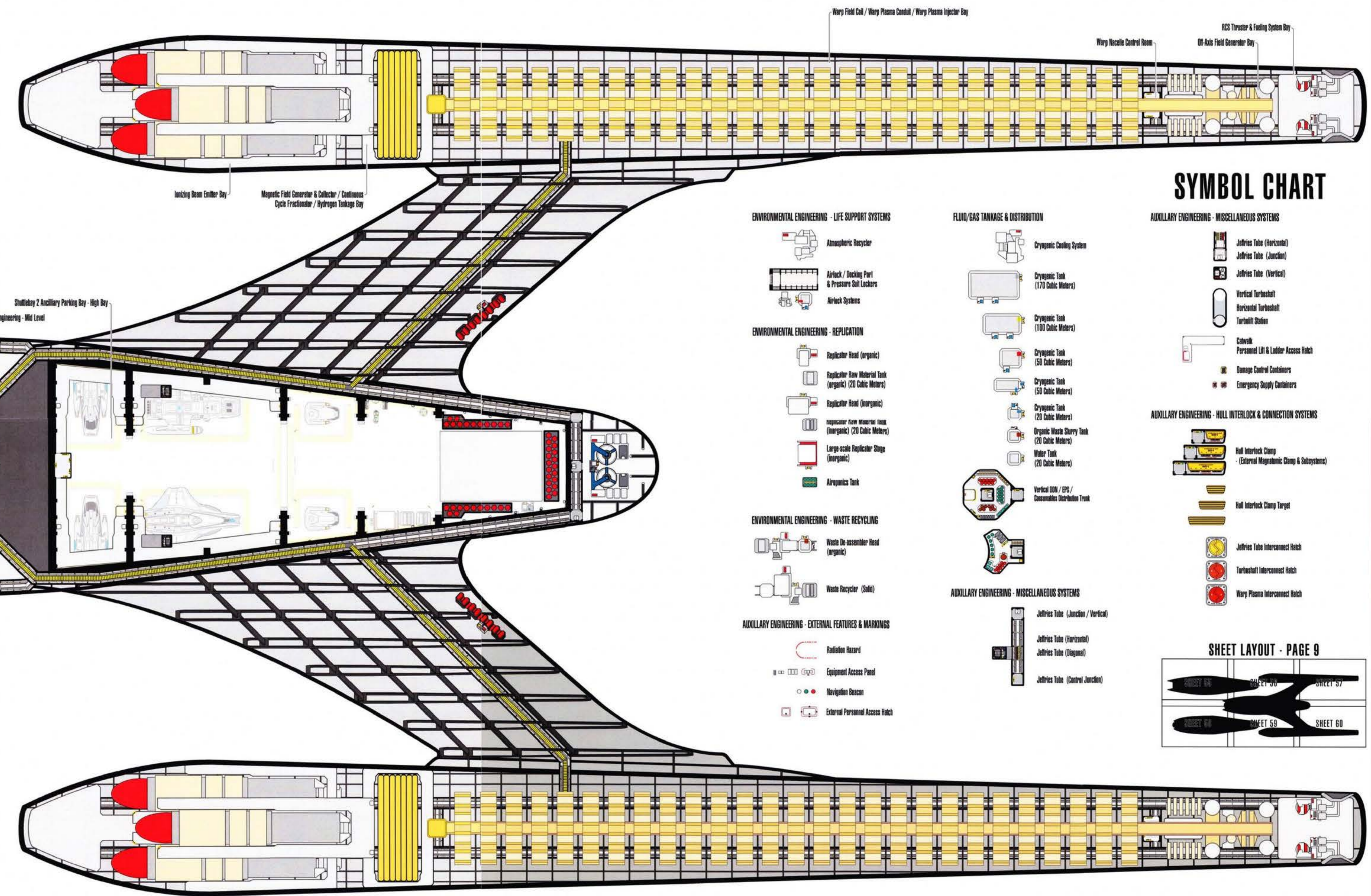
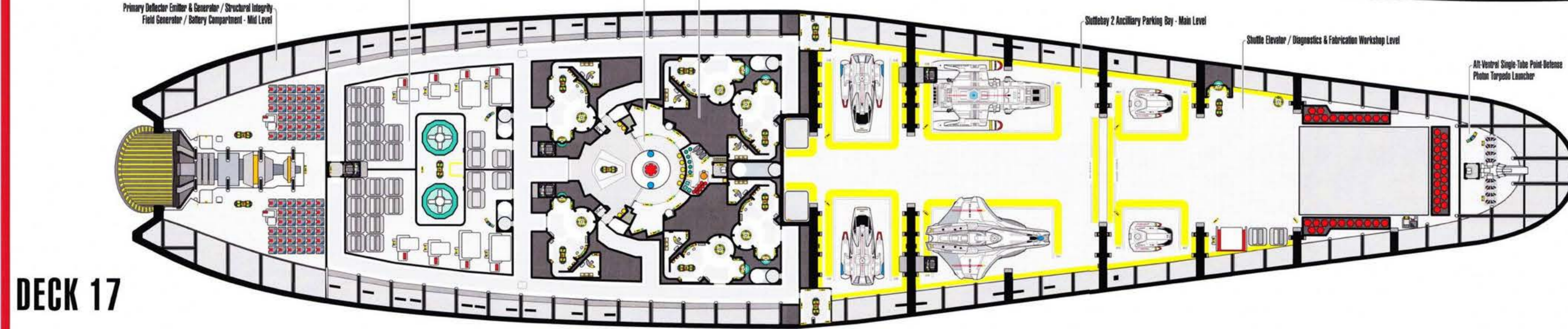
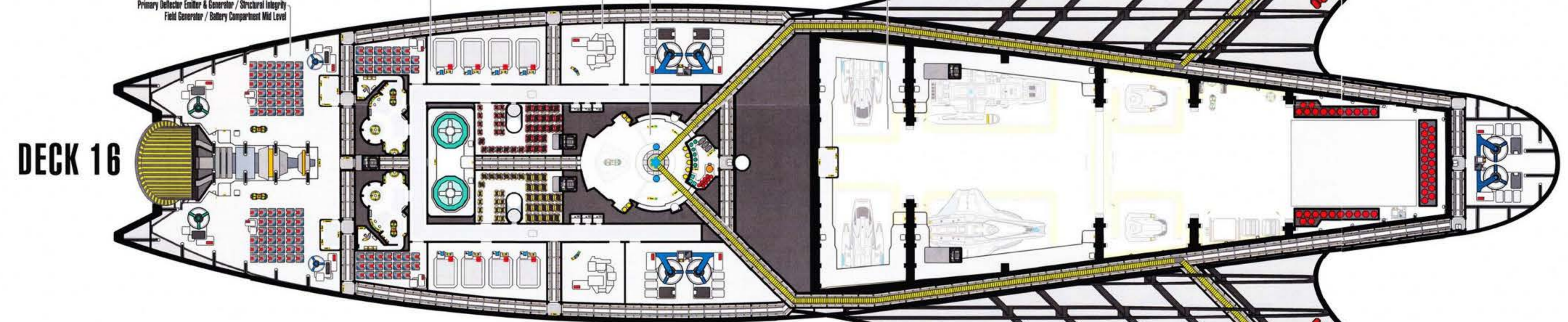
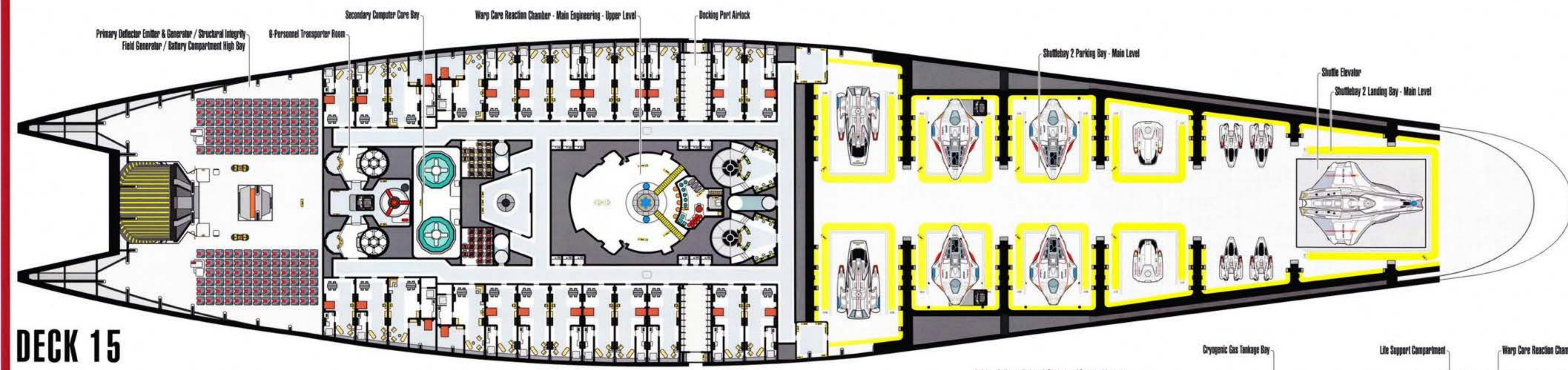
AUXILIARY ENGINEERING - COMPARTMENTS

- Senior Officers' & VIP Quarters: - Sleeping Area, - Relaxation Area, - Lounge & Work Area, - Dining Area, - Closet, - Head
- Senior Officers' & VIP Quarters: - Sleeping Area, - Relaxation Area, - Lounge & Work Area, - Dining Area, - Closet, - Head
- Officers' Quarters: - Sleeping Area, - Relaxation Area, - Lounge & Work Area, - Dining Area, - Closet, - Head
- Junior Officers' Quarters: - Sleeping Area, - Lounge & Dining Area, - Head, - Closet
- Junior Officers' Quarters: - Sleeping Area, - Lounge & Dining Area, - Head, - Closet
- Existed Officers' Quarters: - Sleeping Area, - Lounge & Dining Area, - Head, - Closet
- Existed Quarters: - Sleeping Area, - Lounge & Dining Area, - Head, - Closet
- Observation Lounge & Mess: - Lounge Area, - Dining Area, - 2 Replicators
- Office
- Library Access
- Head
- Combat Information Center
- Security Complex: - Briefing Room, - Training Holosuite, - Armory, - Brig & Monitoring Room (4), - Locker Room (2), - Transporter Room, - Sickbay
- Sickbay Complex: - Recovery Ward (2), - Diagnostic Ward (4), - Medical Lab (4)
- Science Lab - Type 1: - Office Area, - Research Area, - Operators' Station, - Independent Computer Core
- Science Lab - Type 2: - Holographic Projection Stage, - Operators' Station, - Research Station
- Diagnostics & Repair Engineering Workshop / Lab: - Work Table, - Research Area, - Operators' Station, - Independent Computer Core
- Control Room
- Holodeck Complex: - Holodeck Stage, - Arch Control Station
- Holodeck Complex: - Holodeck Stage, - Arch Control Station
- Decking Airlock

SHEET LAYOUT - PAGE 8



PROTOTYPE NX-74001
SHEET 54/66



SYMBOL CHART

ENVIRONMENTAL ENGINEERING - LIFE SUPPORT SYSTEMS

- Atmospheric Recycler
- Airlock / Docking Port & Pressure Suit Lockers
- Airlock Systems

ENVIRONMENTAL ENGINEERING - REPLICATION

- Replicator Head (organic)
- Replicator Raw Material Tank (organic) (20 Cubic Meters)
- Replicator Head (inorganic)
- Replicator Raw Material Tank (inorganic) (20 Cubic Meters)
- Large scale Replicator Stage (inorganic)
- Airponics Tank

ENVIRONMENTAL ENGINEERING - WASTE RECYCLING

- Waste De-assembler Head (organic)
- Waste Recycler (Solid)

AUXILIARY ENGINEERING - EXTERNAL FEATURES & MARKINGS

- Radiation Hazard
- Equipment Access Panel
- Navigation Beacon
- External Personnel Access Hatch

FLUID/GAS TANKAGE & DISTRIBUTION

- Cryogenic Cooling System
- Cryogenic Tank (170 Cubic Meters)
- Cryogenic Tank (100 Cubic Meters)
- Cryogenic Tank (50 Cubic Meters)
- Cryogenic Tank (50 Cubic Meters)
- Cryogenic Tank (20 Cubic Meters)
- Organic Waste Slurry Tank (20 Cubic Meters)
- Water Tank (20 Cubic Meters)
- Vertical O2N / EPS / Consumables Distribution Trunk

AUXILIARY ENGINEERING - MISCELLANEOUS SYSTEMS

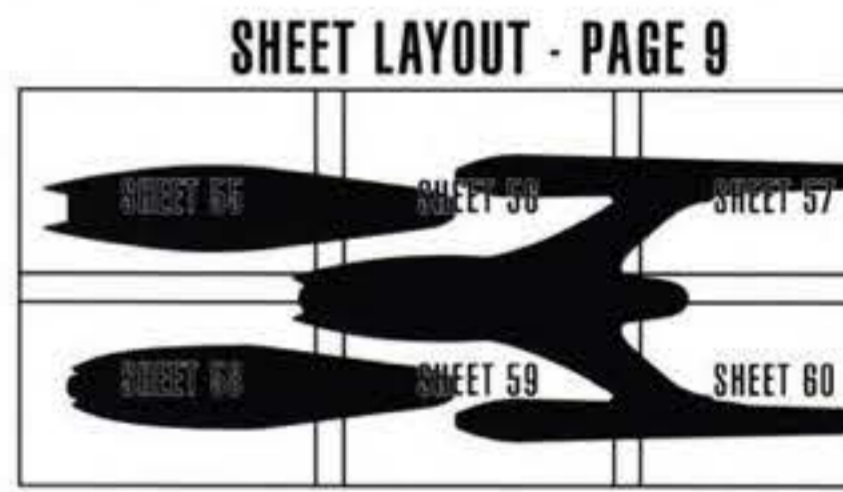
- Jedries Tube (Horizontal)
- Jedries Tube (Junction)
- Vertical Turboshift
- Horizontal Turboshift
- Turboshift Station
- Catwalk
- Personnel Lift & Ladder Access Hatch
- Damage Control Containers
- Emergency Supply Containers

AUXILIARY ENGINEERING - HULL INTERLOCK & CONNECTION SYSTEMS

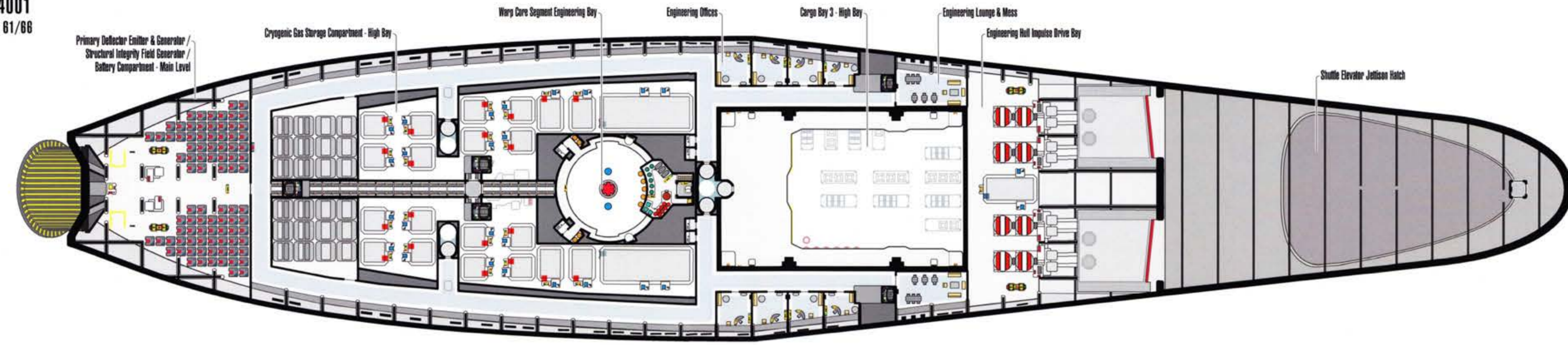
- Hull Interlock Clamp (Colorful Magnets Clamp & Subsystems)
- Hull Interlock Clamp Target
- Hull Interlock Clamp Target
- Jedries Tube Interconnect Hatch
- Turboshift Interconnect Hatch
- Wary Plasma Interconnect Hatch

AUXILIARY ENGINEERING - MISCELLANEOUS SYSTEMS

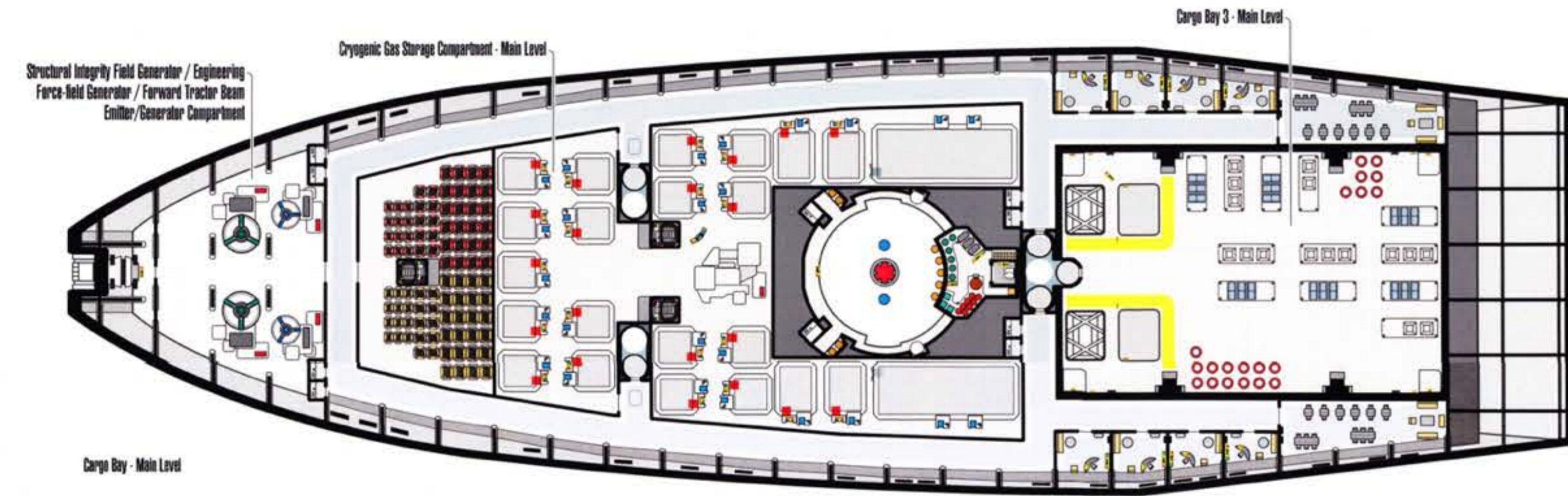
- Jedries Tube (Junction / Vertical)
- Jedries Tube (Horizontal)
- Jedries Tube (Diagonal)
- Jedries Tube (Control Junction)



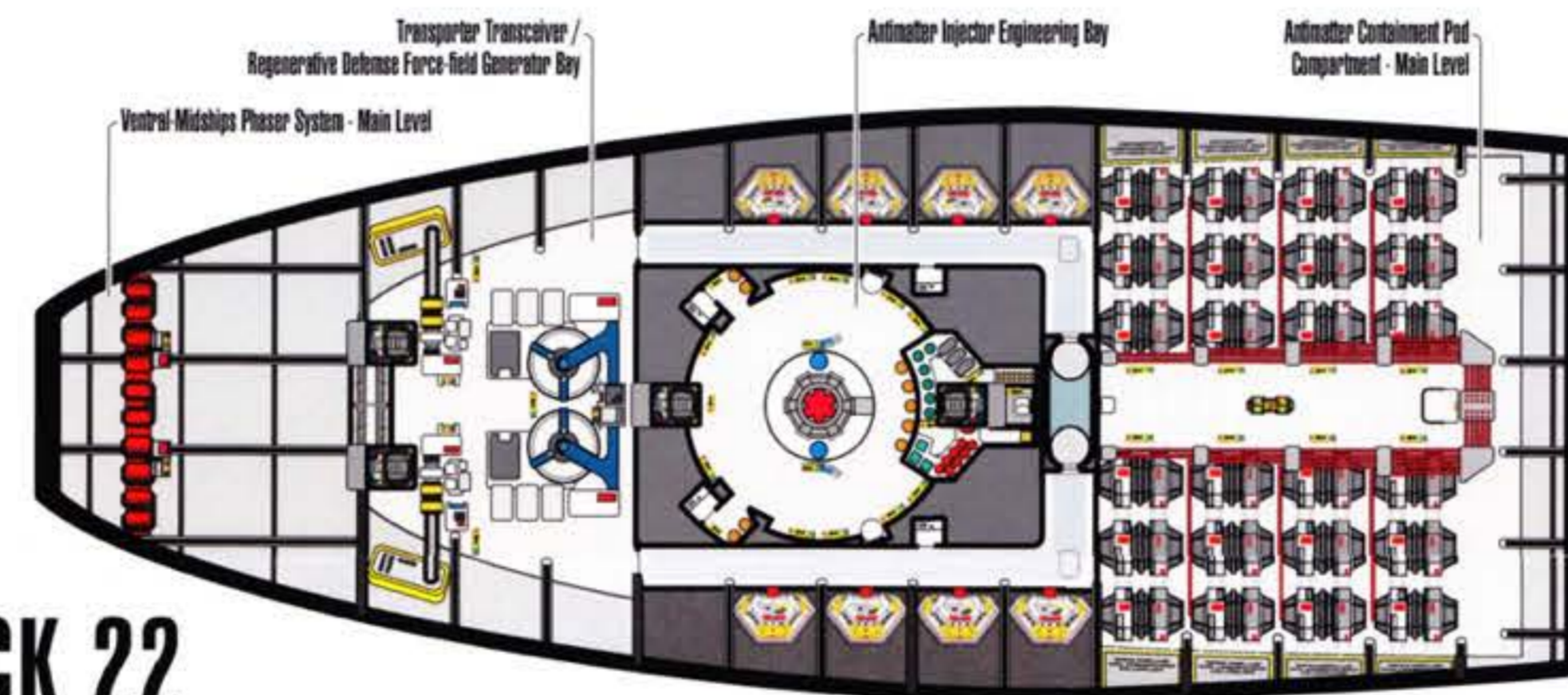
DECK 18



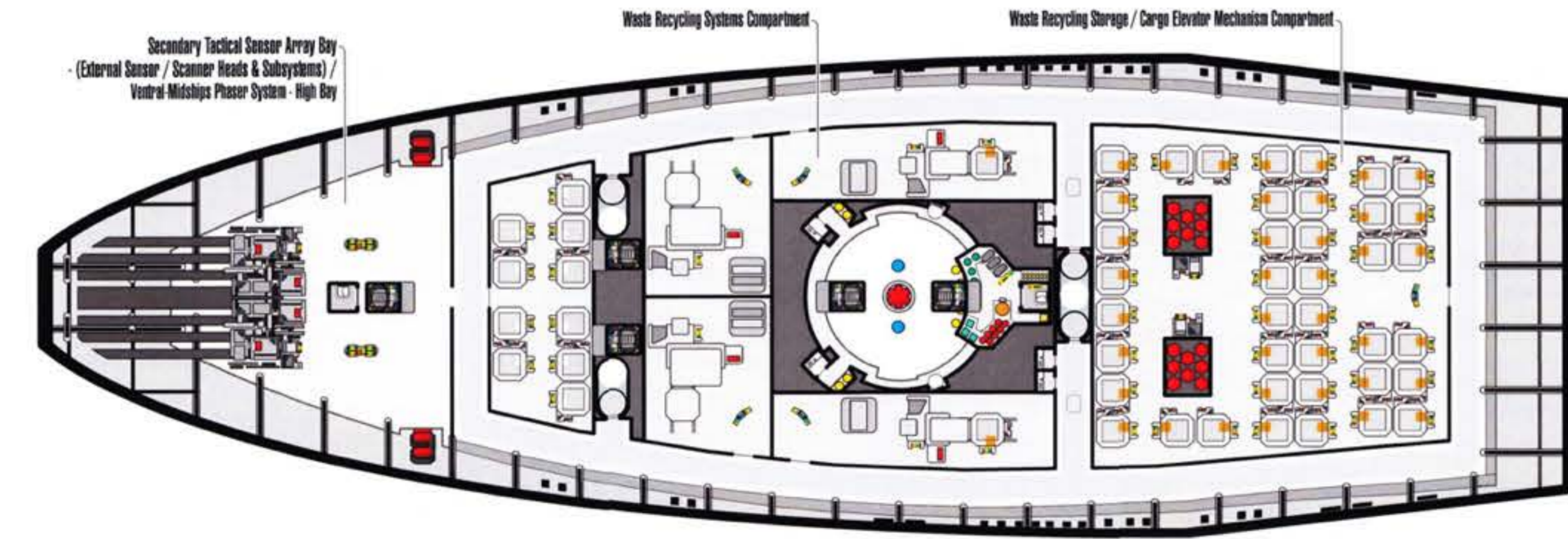
DECK 19



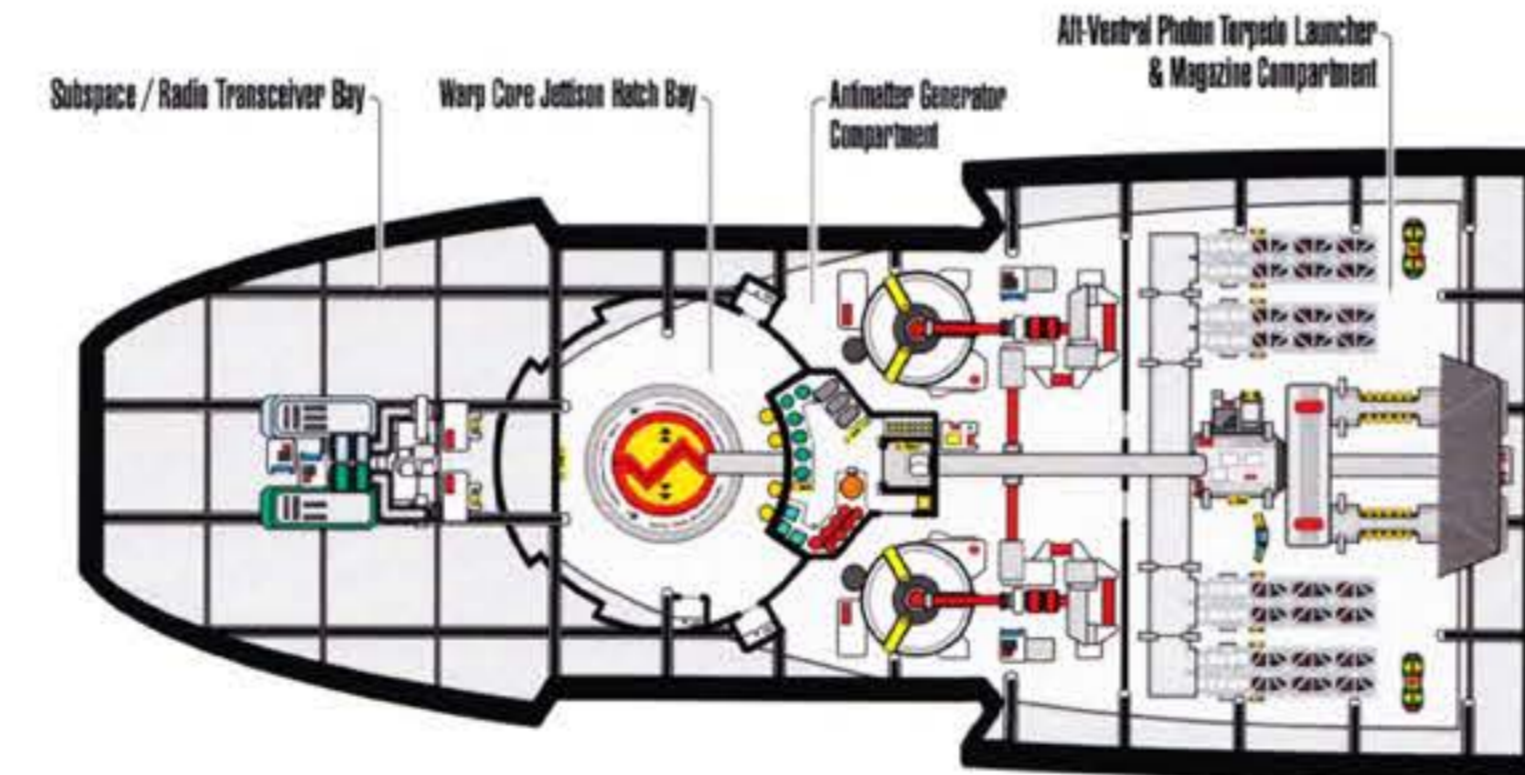
DECK 22



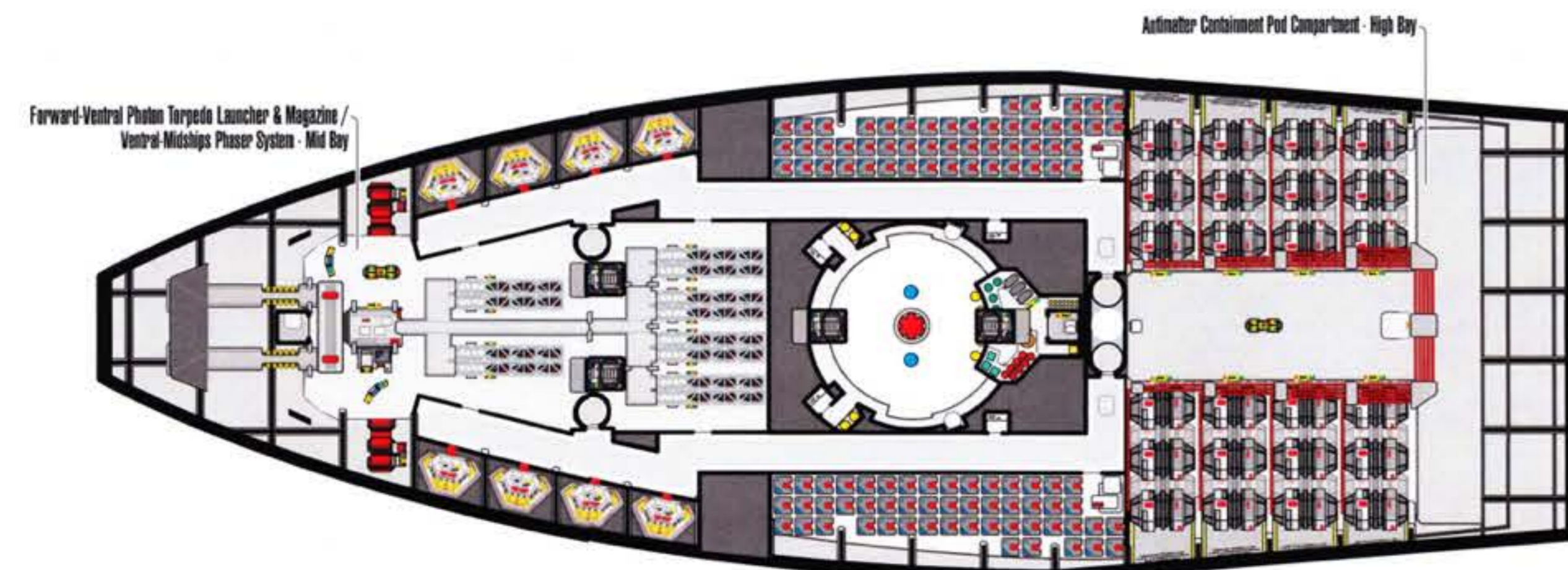
DECK 20



DECK 23



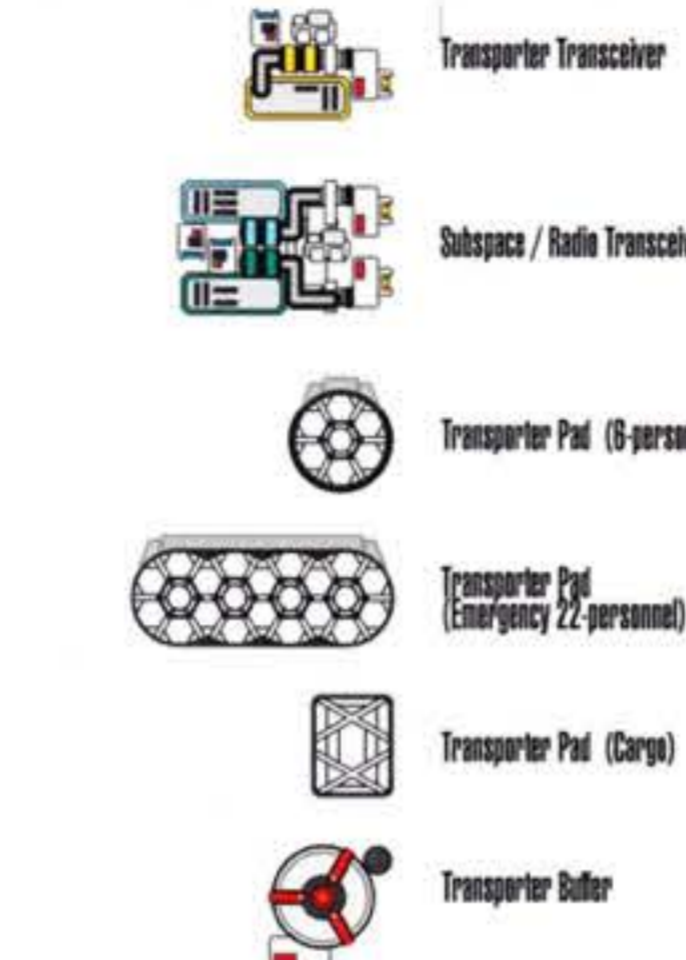
DECK 21



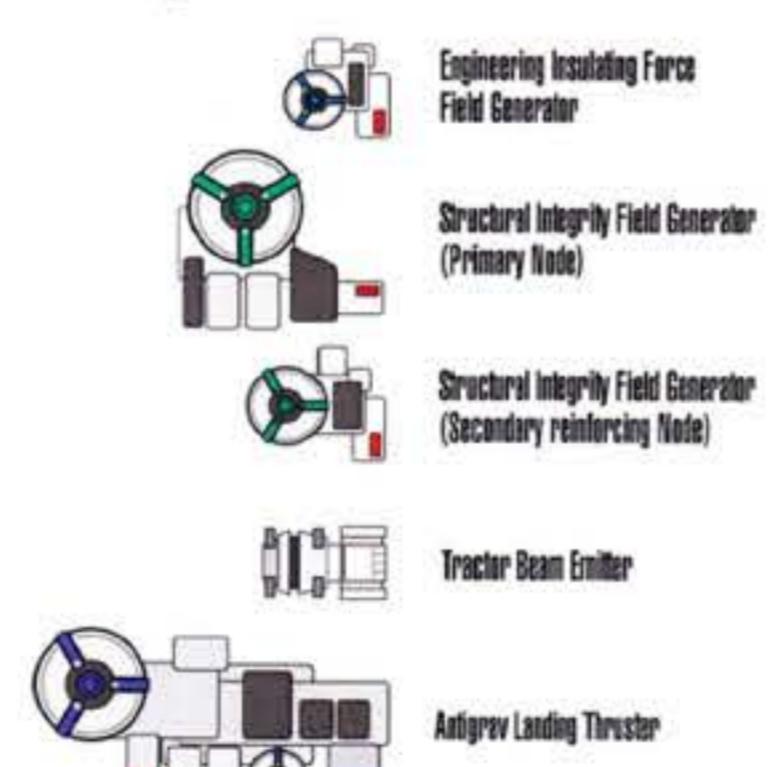
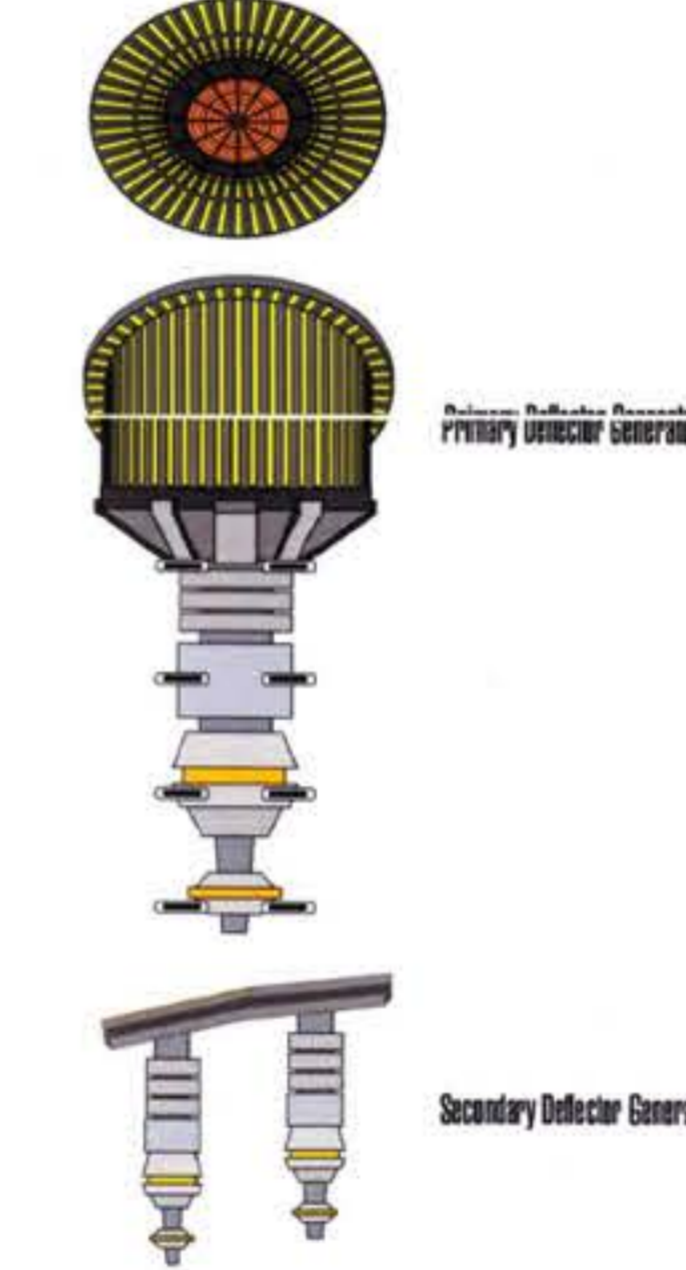
ESCAPE SYSTEMS



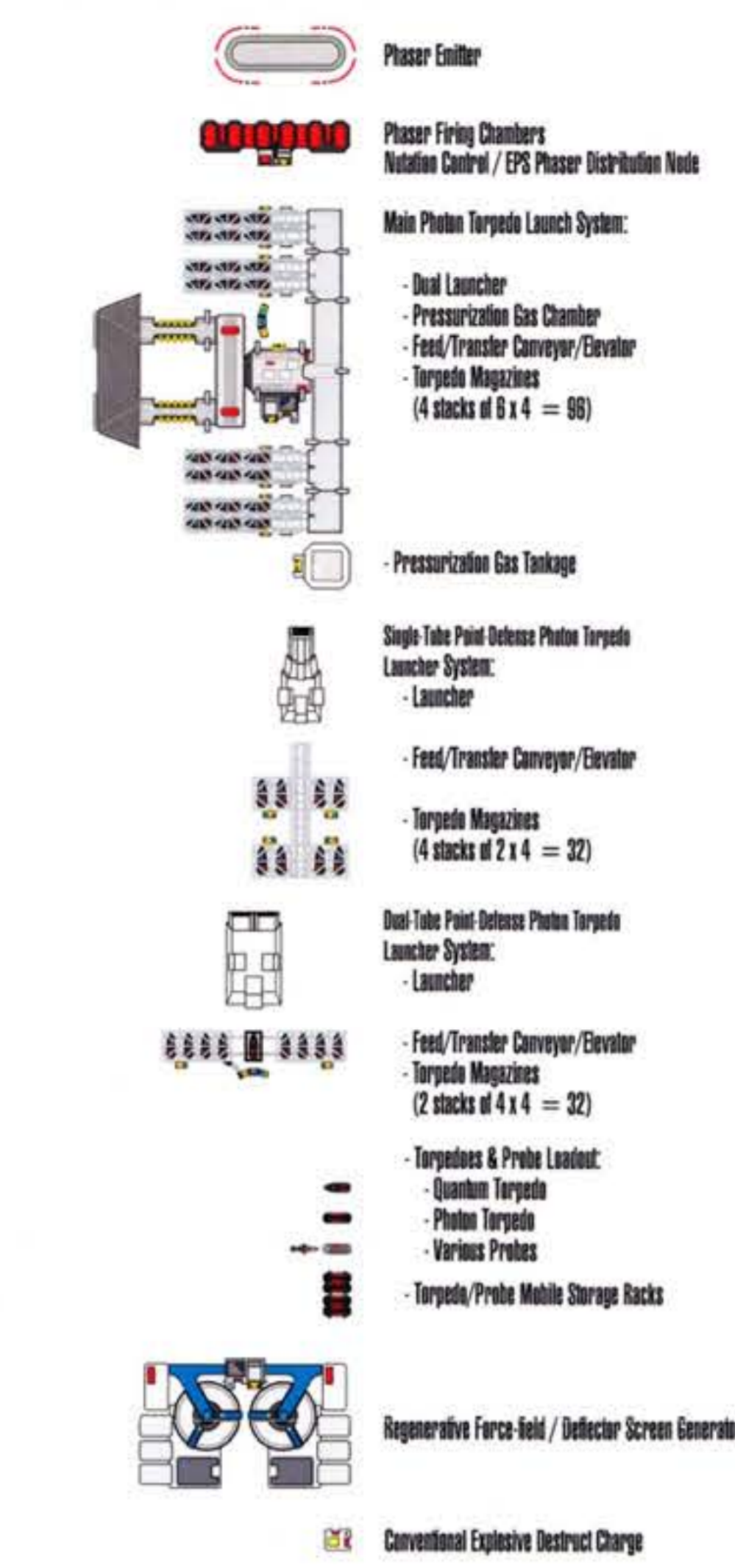
AUXILIARY ENGINEERING - TRANSPORT & COMMUNICATIONS SYSTEMS



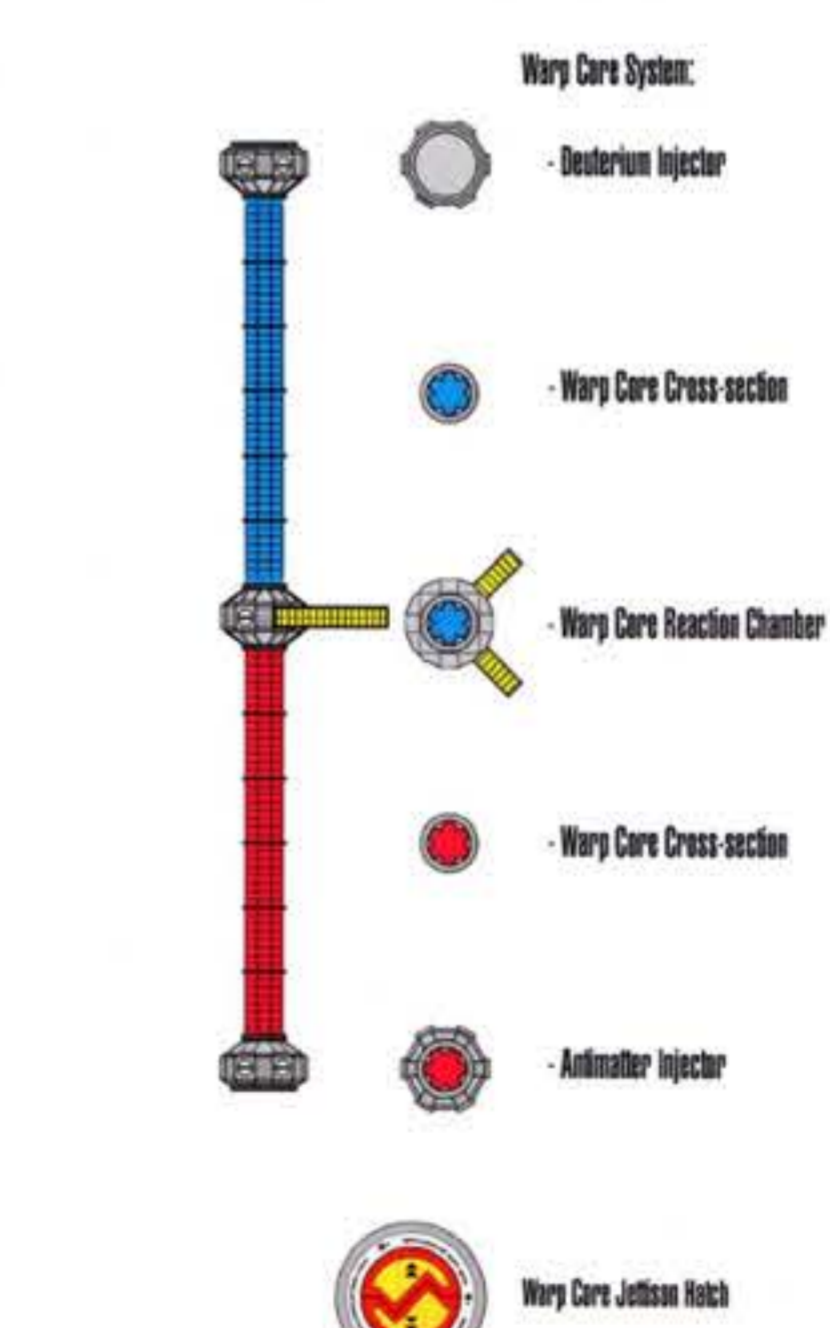
AUXILIARY ENGINEERING - GRANTONIC SYSTEMS



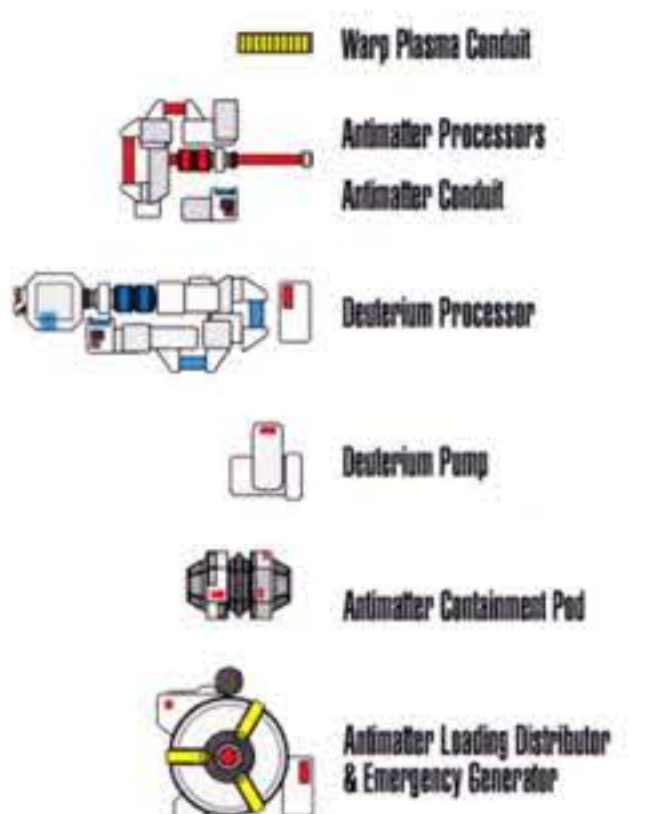
AUXILIARY ENGINEERING - DEFENSE SYSTEMS



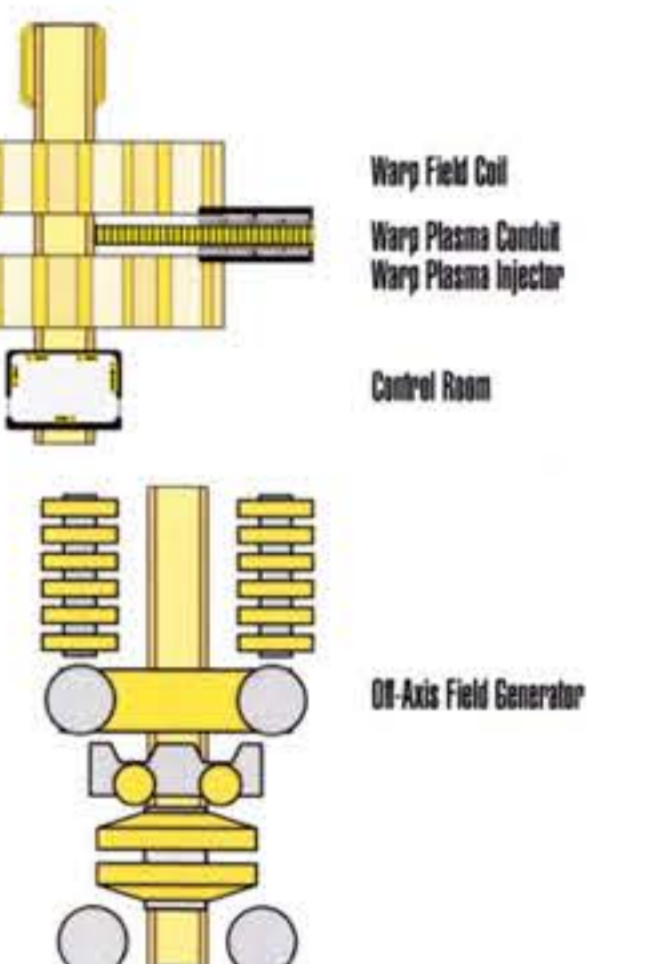
MAIN ENGINEERING - WARP CORE SYSTEMS



MAIN ENGINEERING - WARP CORE SUPPORT SYSTEMS



MAIN ENGINEERING - WARP DRIVE SYSTEMS



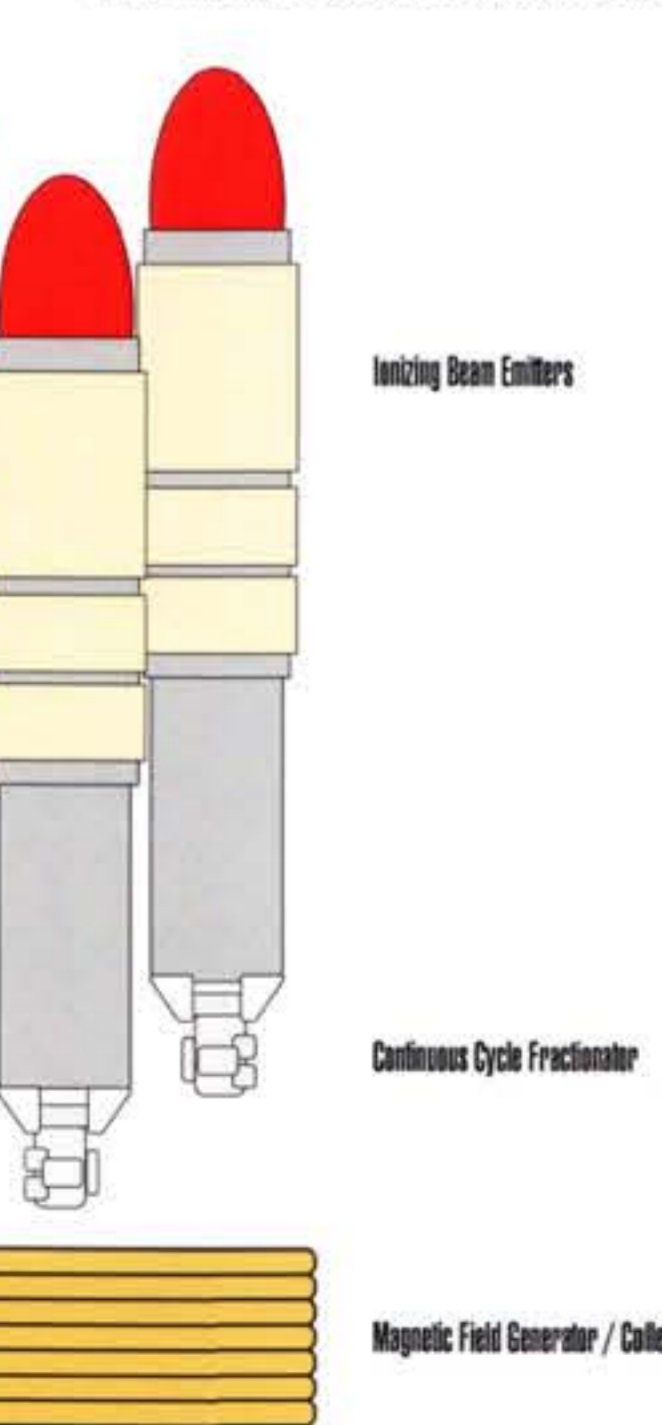
MAIN ENGINEERING - ELECTRO-PLASMA SYSTEMS



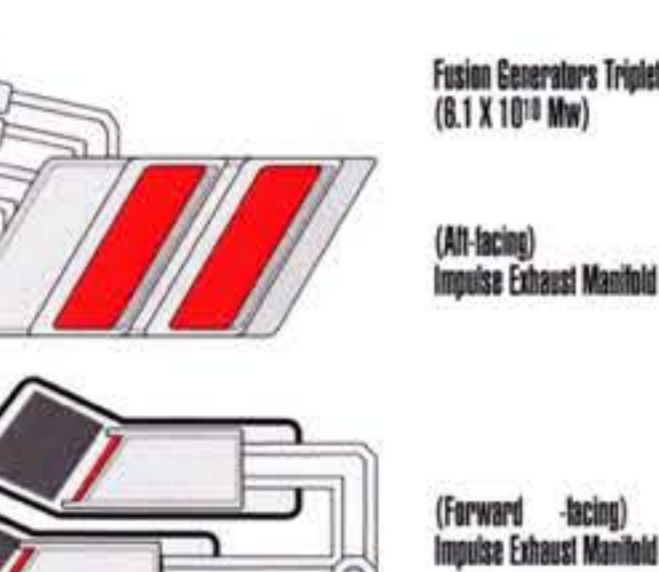
MAIN ENGINEERING - AUXILIARY POWER SYSTEMS



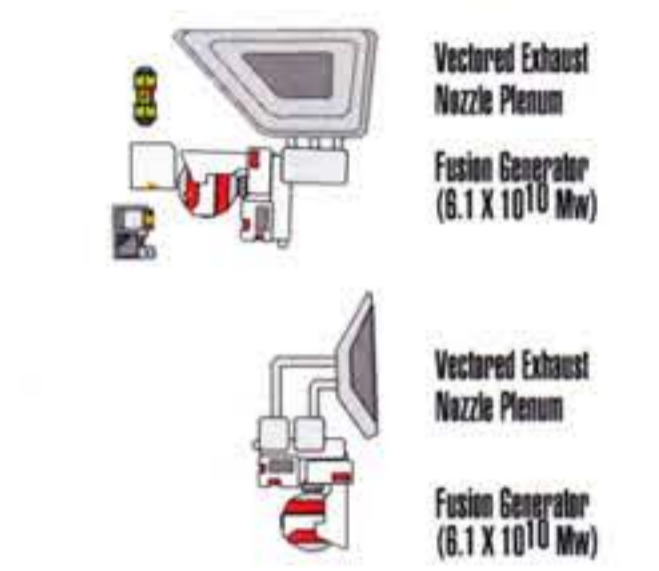
MAIN ENGINEERING - BUSSARD COLLECTION SYSTEMS



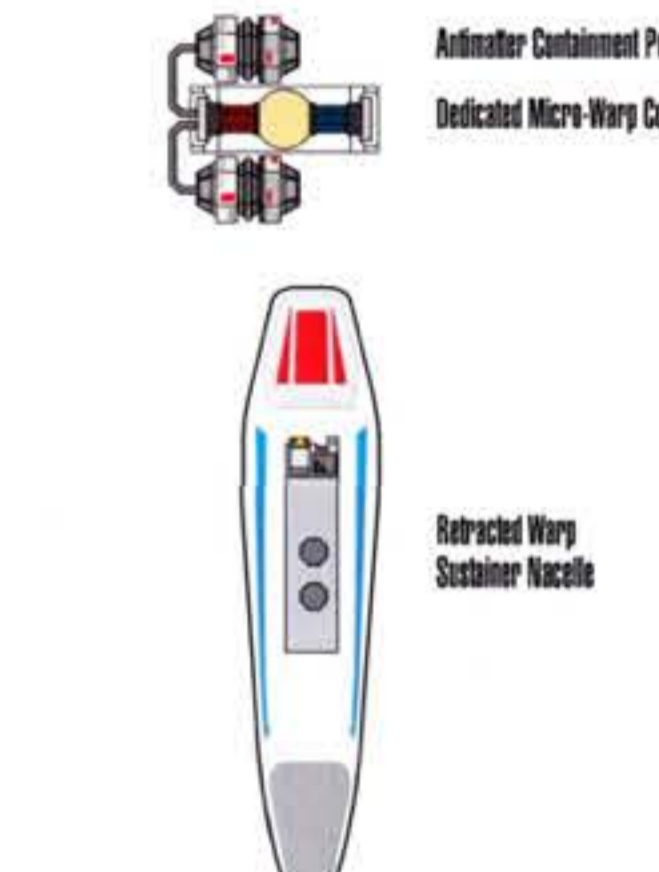
MAIN ENGINEERING - IMPULSE DRIVE SYSTEMS



MAIN ENGINEERING - REACTION CONTROL THRUSTER SYSTEMS



MAIN ENGINEERING - WARP SUSTAINER SYSTEM



SHEET LAYOUT - PAGE 10

