STRATEGIC design

SCIMITAR-CLASS

Starship Prototype NX-2901

External Blueprints & Internal Deck Plans

fourteen 11" x 17" sheets

STRATEGIC design

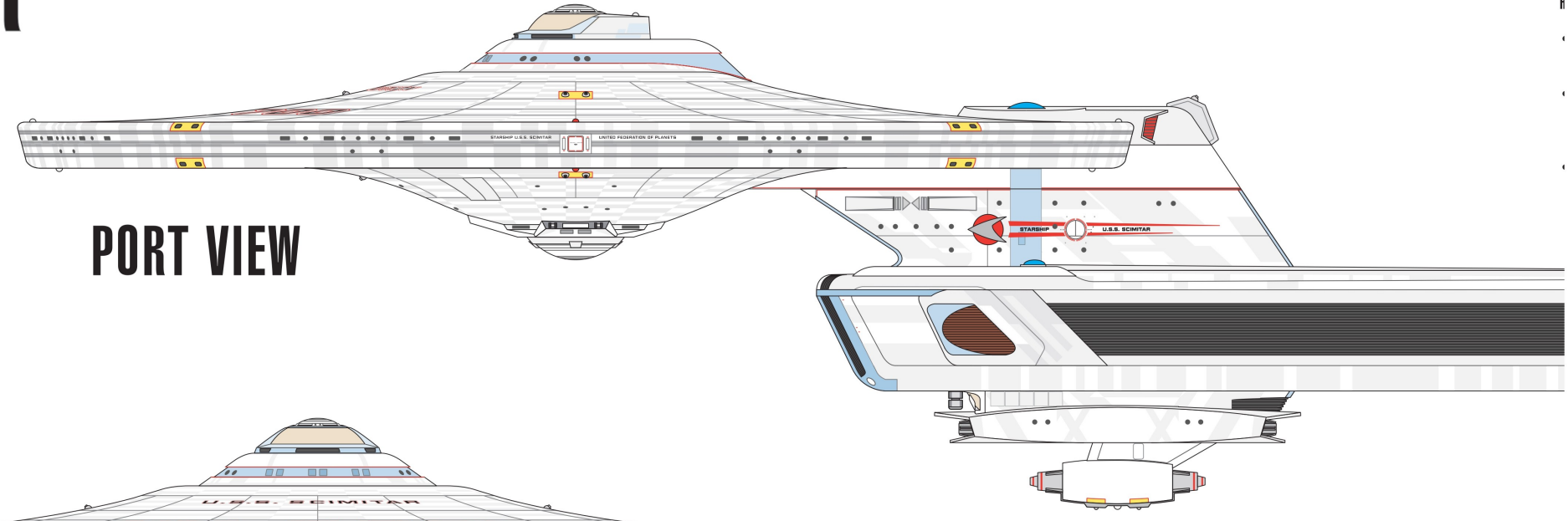
Innovative Concepts Into Tomorrow's Technology - Today

SCIMITAR

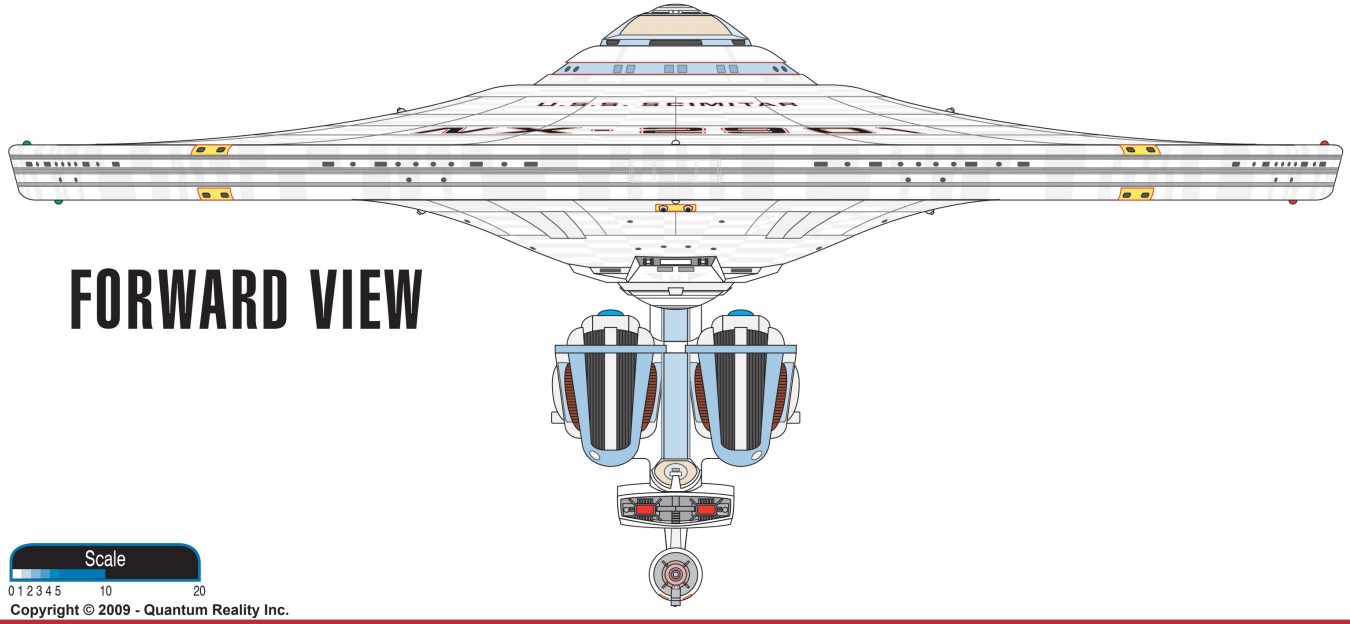
PROTOTYPE NX-2901

EXTERNAL VIEWS SHEET 01/14
SPECIFICATIONS
DESIGN HISTORY

PORT VIEW



FORWARD VIEW



SPECIFICATIONS

PARTICULARS

Vessel Class	Scimitar
Identification	NX-2901
Type	Fast Destroyer

SPACEFRAME

Overall Length	241.2 meters
Overall Beam	141.7 meters
Overall Draft	64.1 meters
Decks	18
Displacement	3.84 X 10^4 tons

CREW & AUXILLARY SYSTEMS

Complement	38 Officers
	336 Enlisted
Transporters	2 6-personnel
	1 26-personnel Emergency
	1 Cargo

INFORMATION SYSTEMS

Computer Core	1
	Duotronic
	Translator FTL Microprocessors

WARP SYSTEMS

Power	Matter / Antimatter Reactor (1.4 X 10^8 terawatt)		
Cruising Speed	wf 6.5	513.06c	
Flank Speed	wf 7.3	755.01c	(Sustainable for 12 hours)
Burst Speed	wf 8.1	1067.02c	(Sustainable for 1 hour)

Scale
0 1 2 3 4 5 10 20

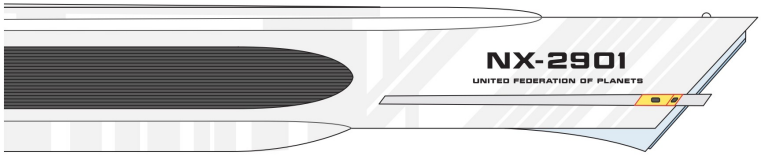
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DESIGN HISTORY

Creating a Fast Destroyer

The Primary Hull concept was integral to the conceptulization of he original Jefferies-Marvick 'First-Flight' or TOS (Technology-Original-Standard) starship. From the inception, 3 basic Types were designed: H113A, H167A, H172A.

- The H113A was designated as the Primary Hull for Cruisers (Light Cruisers, Cruisers, Fast Cruisers, Heavy Cruisers, Battlecruisers, Dreadnoughts). It is the most known - and the most symmetrical - both port-starboard and fore-aft.
- The H167A was designated as the Unity Hull for Frigates (Light Frigates, Frigates, Fast Frigates - as well as Heavy Frigates with the extension of theraised aft portion further aft. It is symmetrical port-starboard - but of course the aft portion is much higher than the fore.
- The H172A was designted as the Mono Hull for Escorts (Scouts, Fast Scouts, Destroyers, Fast Destroyers, etc.). The forward half is symmetrical fore-aft. However, the the aft portion is somewhat assymmetrical due to the inclusion of a Hangar.



Due to the relative economy in terms of construction, operational and logistal support costs. Starfleet is always exploring new variants of the Escort design. Escort design starships feature a Mono Hull and Warp Drive Nacelles - plus an Interconnecting Dorsal Pylon - no Secondary or Engineering Hull. The original TOS Escort-design (Hermes-class - NX-585 - Scout and Saladin-class - NX-500 - Destroyer) featured only one warp drive nacelle - but twin-nacelle variants have also been created.

The economy of the Escort-design is due to the simplicity of the design. Construction costs are low, since there are relatively fewer structures and components than is the case with Cruiser and Frigate designs. Operational and logistical costs are reduced since fewer personnel are required to man them. Logistal support cost-savings involve fuel economy and warp dynamics. A single warp nacelle-driven Destroyer is extremely fuel efficient. While not as fast as the larger, dual warp nacelle-driven Cruiser and Frigate designs, for a given warp factor it expends measureably less deuterium and anti-deuterium. Theoretically, adding a second nacelle would make the Destroyer potentially faster than either Cruiser or Frigate designs with regards to the strain limits which set Cruise, Flank and Emergency Full speeds, since each warp drive nacelle would only have half the load of its Mono Hull. However, the additional warp drive nacelle would also make the Destroyer variant less fuel efficient, requiring more fuel for any given warp factor, and thus reduce its operational range markedly.

The Scimitar-class Fast Frigate is the first attempt to achieve tandem warp drive nacelles below a Dorsal Interconnecting Hull. The designers took a TOS Saladin-class Mono Hull, and replaced the extant D558A Dorsal Interconnecting Hull with the D678B extended Dorsal Interconnecting Hull originally designed for the Belknap-class Cruiser. This allows for greater internal volume, allowing in term for a larger Antimatter Pod Containment Suite, and split diagonal and vertical Warp Plasma Conduits leading both upwards and below (to the warp drive nacelles).

Starfleet is always searching for specialized designs to fit percieved - or anticipated - 'niches' in its FORB (Fleet Order of Battle) Table. There are some taskings for which a capital ship (Cruisers, Heavy Cruisers) represent too much implementation and resources - and for which they are underspecialized. The basic mission of an Escort has been defined as 'Defense via Mobility'. During Fleet operations, it is the Escorts task to protect capital ships and freighters by executing deep penetrating search missions along the Fleet's courseline, and insuring that enemy vessels are unable to operate. They do not remain in place and defend by position. Escorts are tasked with pursuit and destruction - Frigates are tasked with interdiction.

REBUILD 1.0 BREAKDOWN

Phase I Preparation:

- Maneuvered into orbital drydock
- Tractor web moorings activated
- Umbilical connections linked
- Power shunted to umbilical feed
- Decommissioning
- Warp core shutdown
- Fusion reactors safed
- Batteries purged
- Cargo bays off-loaded
- Shuttles offloaded
- Consumables purged from tankage and shunts
  - Cryogenic gas supplies
  - Deuterium
  - Water
  - Food synthesizer raw material
- Personnel and effects off-loaded
- Furniture off-loaded
- Life-support and grav-plating shutdown

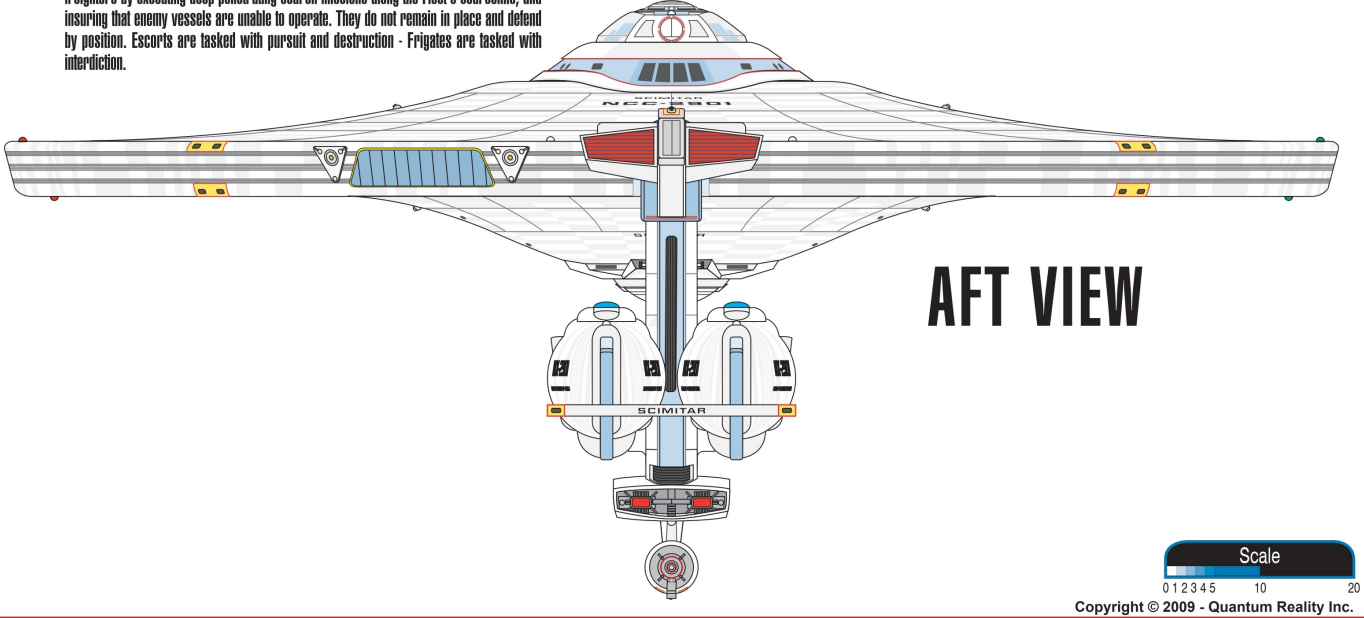
PROTOTYPE NX-2901

SHEET 02/14

REBUILD HISTORY

Phase II Stripping A:

- Bridge module unlocked and removed from superstructure
- Superstructure removed from mono hull
- Warp nacelle and interconnecting pylon unlocked and removed
- Mono hull - interconnecting hull interlocks disconnected
- Hull plating unwelded, unlocked and removed to orbital smelters



AFT VIEW

IMPULSE SYSTEMS

Power	Primary - feed from warp core (1.0 X 10^{11} megawatt)
	Secondary - 4 deuterium fusion reactor (3.9 X 10^{10} megawatt)
Vector Nozzle	2 Aft- Type 2
Cruising Speed	0.39 c
Flank Speed	0.95 c

TACTICAL SYSTEMS

Phaser	12 - Type VIII turret
Mega-Phaser	1 Fore - Type 5 / 1 Aft- Type 5
Torpedo Tube	2 Fore - Type 3 / 1 Aft- Type 3
Magazine	160 Mark V Photon Torpedoes
	10 ProbesMagazine5 Recorder/Marker Buoy
Grid	6 Deflector Shield Generator
	(rated 1.15 X 10^{3} mw - standby / 2.69 X 10^{3} mw - alert /
	4.73 X 10^{6} mw - 0.0017 Sec.)
	5 Structural Integrity Field Generator (rated 1.15 X 10^{3} mw)
Tractor Beam	2 Shuttlebay Doors
	1 Shuttlebay (internal - ceiling mounted)

Scale

0 1 2 3 4 5 10 20

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SCIMITAR

PROTOTYPE NX-2901

EXTERNAL VIEWS SHEET 03/14

REBUILD HISTORY

INTERNAL SYSTEMS

REBUILD HISTORY

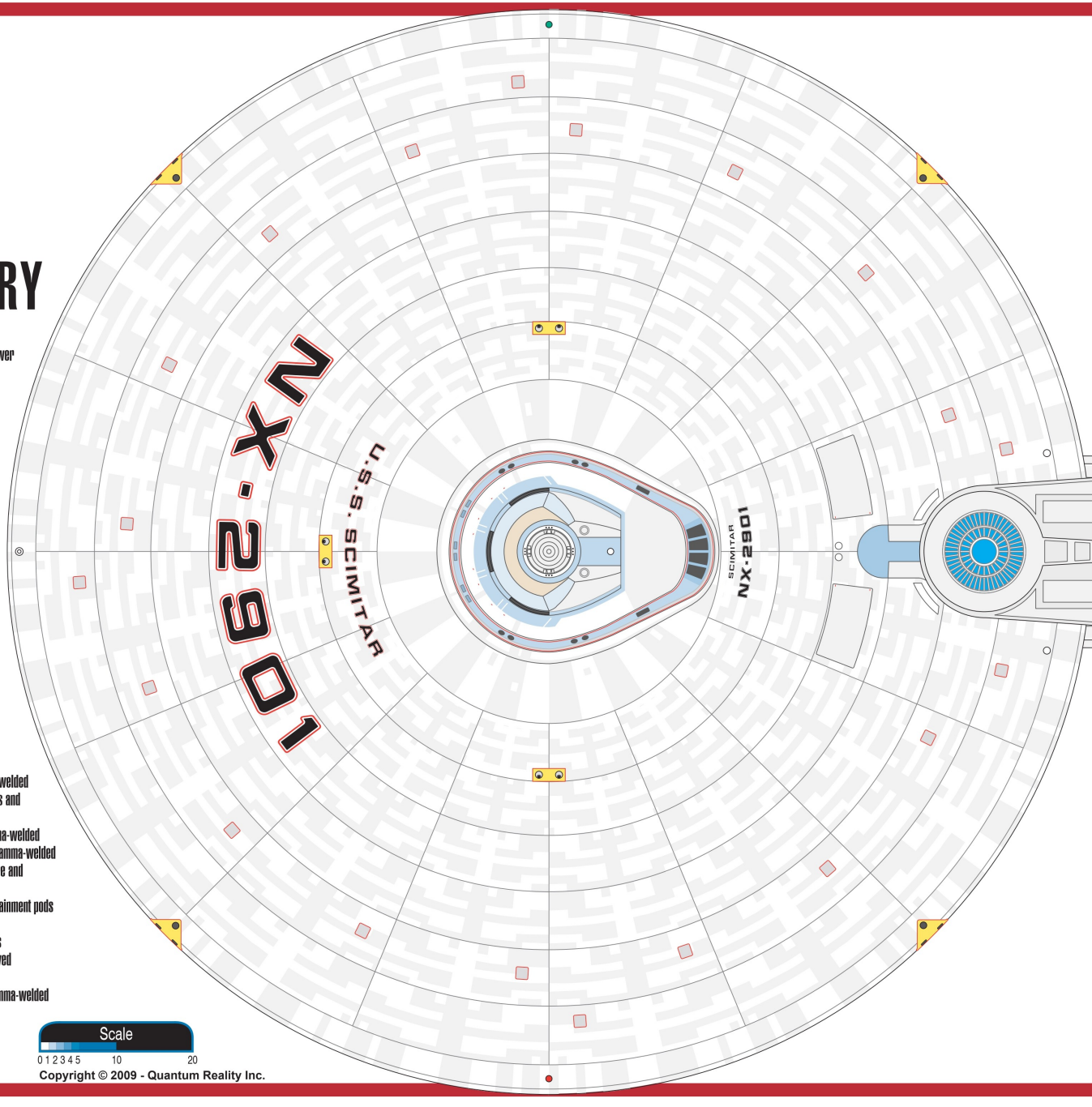
Phase III Stripping B

- Various systems removed for later replacement with newer equipment
  - Phaser turrets
  - Force-field/deflector screen generators
  - Food, organic and inorganic synthesizers
  - Control consoles
  - Furniture
- Various systems rebuilt/repaired/refurbished in place
  - Structural integrity generators
  - Life support facilities
  - Secondary computer core
  - Optical data network (ODN)
  - Electro-plasma system conduits (EPS)
- Various physical structures modified
  - Bulkheads
  - Decking
  - Corridors
- Warp core/antimatter processor/containment pods assembly removed
- Ventral sensor suite dome assembly unlocked and removed
- Main computer core removed

Phase IV Replacement

- Frame extensions locked to frame members and gamma-welded
- New frame members locked to enhanced frame members and gamma-welded
- New warp nacelles and support pylons locked and gamma-welded
- New superstructure locked to primary hull frames and gamma-welded
- New bridge module locked to primary hull superstructure and gamma-welded
- Placement of new warp core/antimatter processor/containment pods assembly
- New deck sections locked and welded to frame members
- Ventral sensor suite dome assembly unlocked and removed
- New main computer core inserted
- New ventral sensor suite dome assembly locked and gamma-welded

DORSAL VIEW



Scale

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INTERN

Section 1.0 Spacecraft Spacefr
The most notable feature of the E
identical wedge-shaped segments
of these wedge segments.

Section 1.1 Structural Integrity
Type SIF2300A during the Refit 1

Section 1.2 Inertial Damping Fi
The original IDF/SG generator ne

Section 1.3 Security & Containm
The original S/CFF generator net

Section 1.4 Main Deflector
A Type MD5669T split-generator f
into the long and short range sen

Section 1.51 Ordnance: Phaser
The Type VII Phaser Turret was
dynamics and power, Starfleet de
within the hull when offline. Besid
the warp core directly via dedica

Section 1.52 Ordnance: Photon
To accomodate the twin nacelles
The Scimitar-class featrures the
Mount - Tandem - Underslung) de
aft from the staging area to the l
or starboard to the twin torpedo
used as a torpedo maintenance r
positioned on two Interconnecting

The Scimitar-class is the testbed
torpedo yield without increasing t
the fleet). It involves a single me
torpedo is fired, the cannon emitt
At the instant of impact, the mega-
effect of the detonation - increasi

INTERNAL SYSTEMS

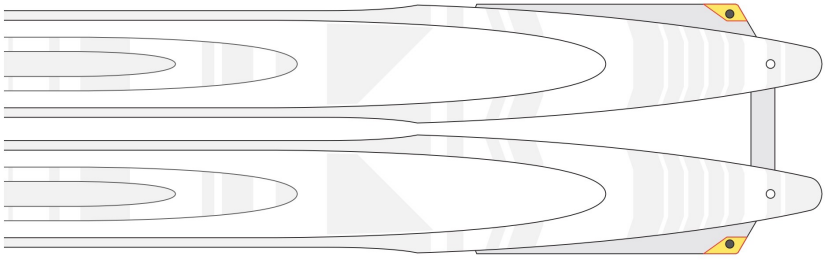
Section 1.0 Spacecraft Spaceframe & Hull - Unity Hull
The most notable feature of the Escort series is the Mono Hull. Whereas a Constitution-class Primary Hull is comprised of 16 identical wedge-shaped segments, the Scimitar-class Unity Hull concept possesses a Shuttlebay Space Door in the center of one of these wedge segments.

Section 1.1 Structural Integrity Field
Type SIF2300A during the Refit 1.4 of the Scimitar-class.

Section 1.2 Inertial Damping Field & Synthetic Gravity Generators
The original IDF/SG generator network was left untouched.

Section 1.3 Security & Containment Force Field Generators
The original S/CFF generator network was left untouched.

Section 1.4 Main Deflector
A Type MD5869T split-generator feeds a Type MD3386B subsurface planar-array navigational deflector emitter system amalgamated into the long and short range sensor systems.



Section 1.51 Ordnance: Phasers
The Type VII Phaser Turret was replaced with the Type VIII on the Scimitar-class Mono Hull. Following improvements to shield dynamics and power, Starfleet design engineers chose to discontinue the practice of retracting the phaser cannon emitter heads within the hull when offline. Besides being mechanically simpler, the new turrets improved power through-put to 145% by tapping the warp core directly via dedicated EPS conduits.

Section 1.52 Ordnance: Photon Torpedoes
To accomodate the twin nacelles, the Photon Torpedo Shroud has been relocated to a position below the warp drive nacelles. The Scimitar-class featrures the P3DTAU Photon Torpedo Launch Bay System. The P3DTAU (Photon Suite - 3rd Version - Dorsal Mount - Tandem - Underslung) design features an enlarged twin Launch Bay with a single centerline track running forward and aft from the staging area to the loading hatches. After entering the loading subsystem, the torpedo was conveyed laterally port or starboard to the twin torpedo tubes - and then through the linear accelerator. Flexible in utility, the larger Launch Bay can be used as a torpedo maintenance room as well, by placing removable gratings over the loading track. The two magazines were positioned on two interconnecting Dorsal Hull decks above, and torpedoes are lowered to the staging area via telescoping crane.

The Scimitar-class is the testbed for the new BackUP phaser/torpedo augmentation system. It is an attempt to enhance photon torpedo yield without increasing the size of the warhead (which would necessitate changing the launch tubes on vessels throughout the fleet). It involves a single mega-phaser cannon below the Photon Torpedo Shroud, facing along the direction of fire. When a torpedo is fired, the cannon emitter energizes at a low setting, touches and tracks the beacon/target on the back of the torpedo. At the instant of impact, the mega-phaser increases to a full-power 0.5 second burst. This has the effect of multiplying the explosive effect of the detonation - increasing the probability of target shield overload.

Section 1.53 Ordnance: Mega-Phaser Cannon
The KScimitar-class featured one of the new Type IX mega-phaser cannon. The cannon is mounted on a pylon extending below the Photon Torpedo Shroud. The cannon features both dorsal/lateral-firing 'broadside' Type VIII turrets, plus fore- and aft-firing cannon emitters. The latter are immensely-augmented phaser emitters, capable of 5 second bursts with intensities 625% that of the Type VIII. Due to their enormous power requirements, the fore- and aft-firing cannon emitters cannot be fired while the vessel is at warp.

Section 1.54 Ordnance: Force-field / Deflector Screen Generators - & Perseus System
All FF/DS generators were removed and replaced with the Type FF/DS7764W, which features higher harmonic range, greater intensity, and much faster charging and response cycling time.

Traditional tandem generators share one weakness: a shield overload (caused by attacking energy overwhelming the shield field - resulting in a feedback energy overload cascade through the supply wave-guides back to the generator) will cause catastrophic failure (the generator rotors spin at enormous rpm) - any energy backlash will destabilize the rotation and damage the rotor. The Perseus System attempts to avoid this all-or-nothing scenario using non-dedicated auxilliary generators. These generators are spun-up during Alerts, but are not directly connected to any specific hull deflector grid. Rather, there is a switching system on the Perseus generator which can connect it to any required grid. As a particular generator fails, the Ordnance Department activates the connection to the appropriate grid. Due to the heterodyning effect endemic in deflector technology, the shield will briefly weaken - and then restabilize at full strength. The system is somewhat power wasteful (since the as-yet unassigned generators must still be energized during alerts).

Section 2.0 Computer Systems
The Type MCC8745MT Main Computer Core integral unit replaces the original, externally-indistinguishable unit in the TOS Saladin-class Mono Hull. Within however, all 57,600 duotronic chips have been replaced with the new multitronic chips, doubling processing speed and quadrupling capacity.

Section 2.1 Information Gathering Systems
The DNS8445 Dorsal Navigational Sensor Suite accompanies the new BM8894C Bridge Module in the Scimitar-class Mono Hull. The VNSSS3347Q Ventral Navigational/Science Sensor Suite on the underside of the Mono Hull has 4 lateral bays containing directional science sensors. Two LRSS2245 Long Range Sensor Suites are located at the dorsal bevel of the raised segment.

Section 3.01 Crew Facilities - Quarters
Enlisted quarters remain virtually untouched from the TOS (Technology-Original-Standard) version. Officer quarters have been simplified, with the offices being removed from the quarters in favour of true offices located elsewhere.

Section 3.02 Crew Facilities - Recreation
The Recreation, Gymnasium, and Lounges are standardized - albeit somewhat smaller than those on Cruisers and Frigates.

Section 3.03 Crew Facilities - Dining been largely left untouched, although systems have been overhauled, and menu programs greatly enhanced.

Section 3.04 Crew Facilities - Arboretum
The original enclosed biohabits and display windows have been replaced with a park-like setting with winding paths, a waterfall/stream, and false sky.

Section 3.05 Crew Facilities - Laundry
Facilities have been largely left untouched, although systems have been overhauled.

Section 3.1 Science Facilities
All lab equipment and consoles have been replaced with new equipment.

Section 3.2 Life Support
Life-Support systems were replaced with the uprated Type LS9988 during the Refit 1.3. As such, except for minor repositioning, they were left untouched.

Section 4.0 Shuttle & Cargo Facilities
Reflecting the reduced emphasis on crew amenities, both the two-level Rec-Deck (perimeter bay 22.5 degrees starboard from direct aft) and the two-level Gymnasium (perimeter bay 22.5 degrees port from direct aft) have been retasked. Smaller volumescloser to the core were retasked to Rec-Deck and Gymnasium.

The Shuttlebay (located at perimeter bay 22.5 degrees starboard from direct aft), possesses a large space door backed-up by a force-field pressure curtain. It has room to park three Type 5 Shuttles plus a few ancilliary small craft such as gigs and workbees. Control rooms are located at the upper level both port and starboard. The Shuttlebay is accessed via dedicated airlock.

The Cargo Bay (located at perimeter bay 22.5 degrees port from direct aft), possesses niches for 56 cargo containers on two decks. It is accessed via dedicated airlock. The Cargo Bay can also be utilized as an ancilliary Parking Bay - holding an additional two Shuttles. The Cargo Bay is connected to the Shuttlebay a Pass-Through Bay, with roll-up doors at each end - backed-up by force-field pressure curtains. This allows cargo pods to be moved from the Shuttlebay to the Cargo Bay. Cargo pods are moved from their storage niches to the deck and back via tractor/pressor beam 'crane' emitters, which run along tracks on the overhead. These are operated from the Quartmaster's Control Galleries on the upper forward bulkhead.

Section 5.1 Engineering - Warp Core
The revolutionary Type WC7445 Segmented Linear Warp Core replaced the original Tandem Warp Core. The new design places the Deuterium Injector midway up the Interconnecting Hull (which was redesigned to hold it), and is capable of 150% more output at nominal levels. The Antimatter processor/Containment Pods Assembly was replaced with a near-identical suite - utilizing better materials and systems.

Section 5.2 Engineering - Warp Drive Nacelles and Support Pylons
The Type WDE7622E Warp Drive Nacelles are new installations. Visibly different on the exterior (reflecting changes in radiation shielding and component safeguarding), the interior does not represent a radical departure from previous designs - except insofar as better components (superior manufacturing specifications and materials) were created to make use of the higher speeds expected to be made available from the new Warp Core's output.

Section 5.3 Engineering - Impulse Drive
The Impulse Drive Assembly was removed to make room for the redesigned integral Type IDA2234J. The new design has increased thrust, more dependable standby fusion reactors, and improved reverse thrust. Instead of the previous mechanically-hinged baffles, force-field generated 'baffle plates' aft of the manifolds re-direct the impulse exhaust plasma forward (over and under the Primary Hull) thrust.

Scale
0 1 2 3 4 5 10 20

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SCIMITAR

PROTOTYPE NX-2901

EXTERNAL VIEWS SHEET 05/14

REBUILD HISTORY

SYMBOL CHART

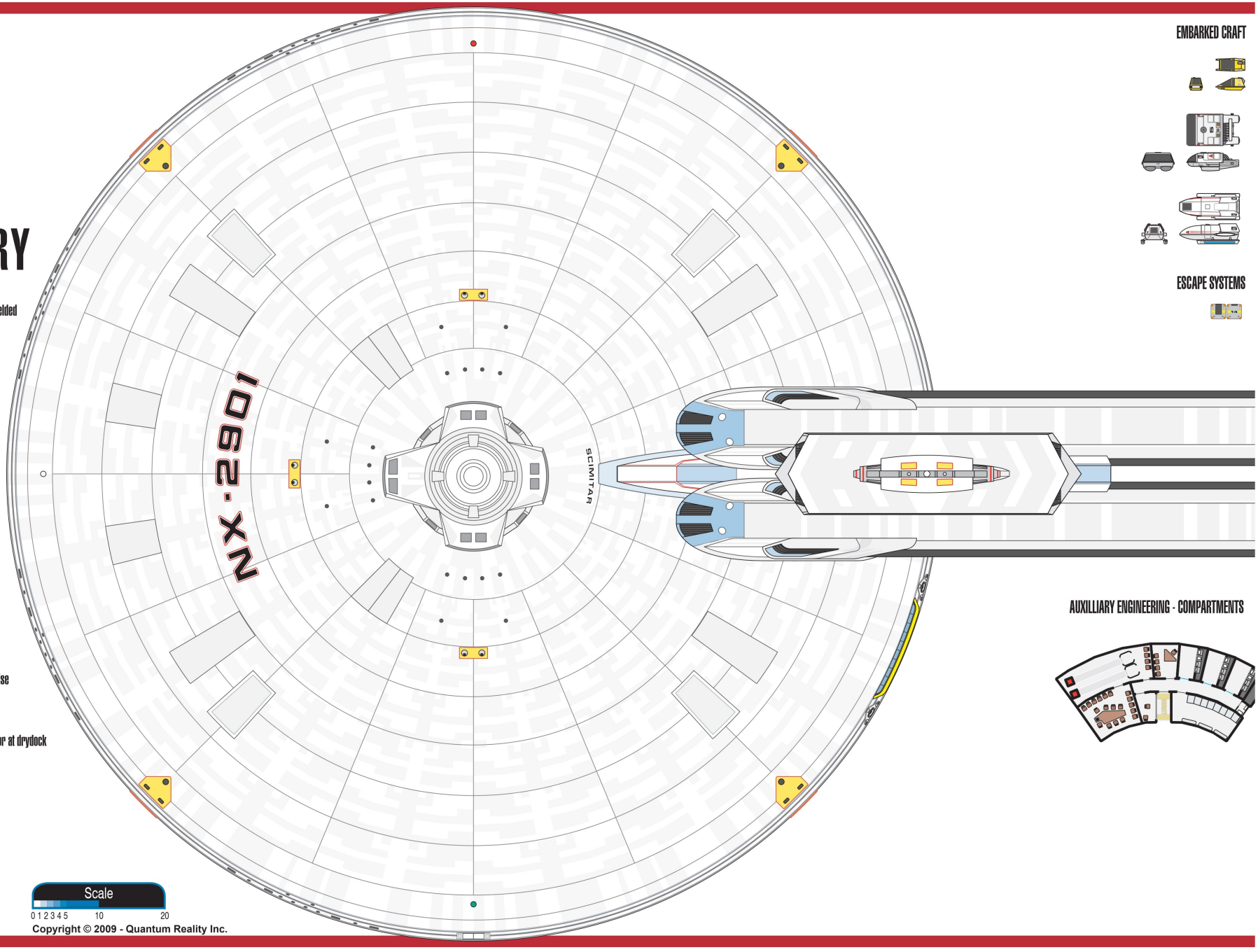
REBUILD HISTORY

Phase V Finishing

- New hull plating locked to frame members and gamma-welded
- Consumables reloadeded to tankage and shunts
  - Cryogenic gas supplies (Oxygen, Nitrogen, Hydrogen, Helium)
  - Deuterium
  - Water
  - Food synthesizer raw material
- Hull integrity/pressure test (nitrogen at 5 atmospheres)
- Life-support and grav-plating start-up - internal atmosphere circulated
- Decor changes
- Furniture reloaded
- Personnel and effects re-loaded
- Shuttles reloaded
- Cargo bays reloaded
- Batteries refilled
- Fusion reactors online and test
- Warp core online and test
- Power umbilical feed switched over to onboard power
- Umbilical connections disconnected
- Tractor web moorings deactivated
- Maneuvered out of orbital drydock

Phase VI Shakedown

- Step-by-step systems check during shakedown trials cruise
  - Power
  - Propulsion
  - Internal
- Repairs to unsatisfactory systems - either during cruise or at drydock
- Satisfactory performance
- Recommissioning



VENTRAL VIEW

Scale

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EMBARKED CRAFT

ESCAPE SYSTEMS

AUXILLIARY ENGINEERING - COMPARTMENTS

PROTOTYPE NX-2901

SHEET 06/14

SYMBOL CHART

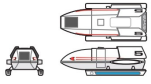
EMBARKED CRAFT



Work Bee



Type 4 Shuttle



Type 5 Shuttle

ESCAPE SYSTEMS

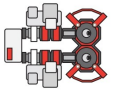


Escape Pod

DEFENSE SYSTEMS

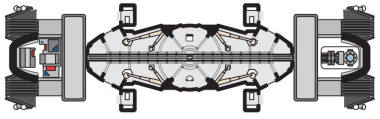


Phaser Emitter Turrets

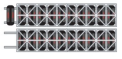


Phaser Firing Chambers

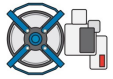
Photon Torpedo Casing



Photon Torpedo Launch Bay & Tube



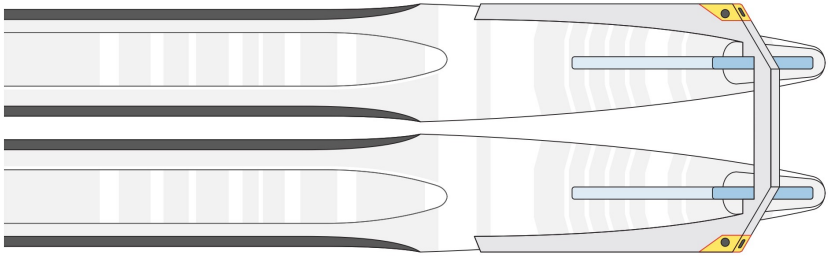
Photon Torpedo Magazine



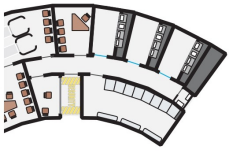
Force-field / Deflector Screen Generator



Destruct Charge



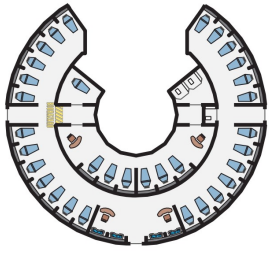
ENGINEERING - COMPARTMENTS



Security Complex
- Duty Officer's Post
- Senior Security Office
- Target Range
- Briefing Room
- Locker Room
- Cells (3)



Sickbay Complex
- Intensive Care (2)
- Surgery (1)
- Chief Surgeon's Office
- Storage (2)
- Pathology Lab
- Morgue



- Trauma / Burn Ward (4)
- Infectious Disease Ward (2)
- Isolation Room (1)
- Nurse Station
- Head



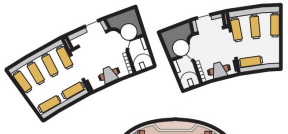
Senior Officer's Quarters:
- Sleeping Area
- Closet
- Lounge & Dining Area
- Head & Sonic Shower



Officer's Quarters:
- Sleeping Area
- Closet
- Head & Sonic Shower



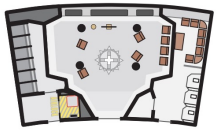
Junior Officer's Quarters:
- Sleeping Area
- Dining Area
- Head & Sonic Shower
- Lockers



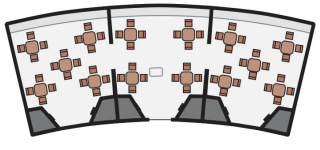
Enlisted Quarters:
- Sleeping Area (4 or 6 3-tiered bunks)
- Dining Area
- Head & Sonic Shower
- Lockers



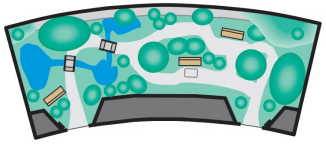
Officer's Lounge
- Conference Lounge
- Observation Lounge
- Heads (2)



Forward Observation Lounge
- Main Lounge
- Relaxation Lounge with Heads
- Storage Room
- Upper Hull Airlock/Elevator / EVA Suit Locker



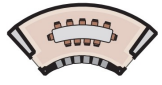
Enlisted Mess
- 14 Tables (56 Personnel)
- 4 Food Delivery Slots



Arboretum



Briefing Room



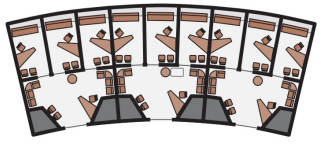
Officers' Dining Room



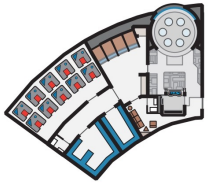
Diagnostics & Repair Workshop / Lab:
- Work Table
- Research Area
- Operators' Stations



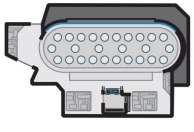
Science Lab
- Research Area
- Operators' Stations



Office Complex
- 9 Offices
- 3 Waiting Rooms / Yeoman's Desk Area



6-Personnel Transporter Room
- Stage
- Shielded Operator's Station
- EVA Suit Lockers
- Dedicated Battery Compartment
- Storage
- Armory
- Head



29-Personnel Emergency Transporter Room
- Stage
- Shielded Operator's Station

Scale

0 1 2 3 4 5 10 20

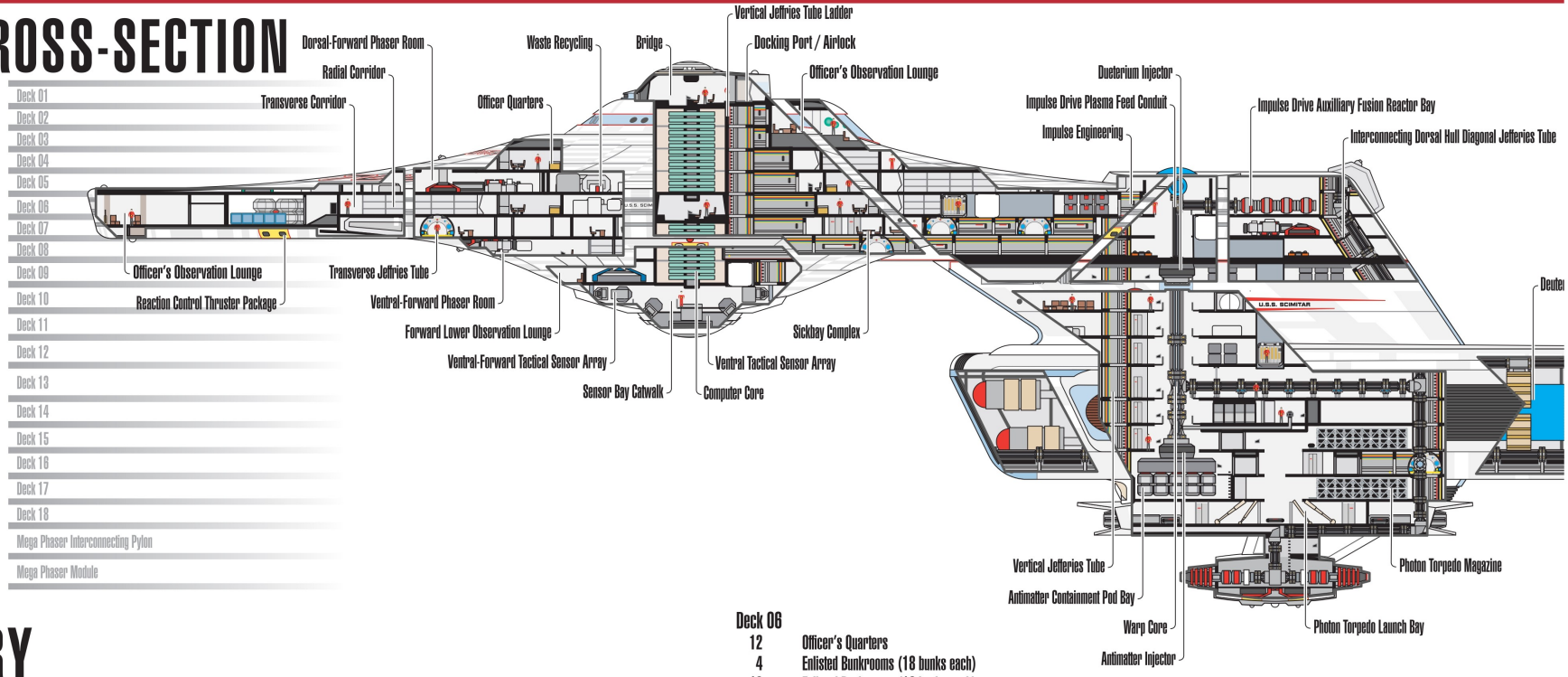
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SCIMITAR

PROTOTYPE NX-2901

CROSS-SECTION SHEET 07/14
DECK DIRECTORY

CROSS-SECTION



Scale
0 1 2 3 4 5 10 20

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DECK DIRECTORY

Deck 01

1	Bridge
1	Aft Airlock/Docking Port / Head
1	Dorsal Tactical Scanner / Sensor Suite

Deck 02

1	Combat Information Center - Flag Bridge - Communications Control & Cryptography - Fleet Movement Status Display - Data Management - Internal Systems Control - Ship's Systems Status Display - Damage Control
4	Head
1	Computer Core
1	Officers' Observation Lounge - High Bay

Deck 03

1	Officers' Dining Room
1	Officers' Galley
1	Reefer
1	Battery Compartment
1	Officers' Observation Lounge
1	Officers' Lounge
1	Computer Core
4	Head
1	Damage Control Locker

Deck 04

19	Officers' Quarters
3	Dorsal Phaser System Turret Tunnel
1	Life Support / Battery / Perseus Defense Force-field Generator Compartment
1	Computer Core

Deck 05

3	Senior Officer's Quarters
5	Officer's Quarters
14	Junior Officer's Quarters
3	Dorsal Phaser System Turret Compartment - Main Level
6	Organic Synthesis Compartment
2	Inorganic Synthesis Compartment
4	Foodstuff Stasis Compartment
4	Defense Field Generator Compartment
3	Structural Integrity Field Generator Compartment
48	Escape Pod
1	Deuterium Tankage Toroid Bay
1	Computer Core
1	Waste Recycling Compartment

Deck 06

12	Officer's Quarters
4	Enlisted Bunkrooms (18 bunks each)
10	Enlisted Bunkrooms (12 bunks each)
8	Science Lab
2	Major Systems Diagnostics & Workshop
6	Subsystems Workshop Diagnostics & Workshop
1	General Cargo Bay - High Bay
1	Shuttlebay - High Bay
2	Shuttlebay Observation Gallery / Control Room
1	Shuttlebay Access Airlock - Upper Compartment
1	Cargo Bay - High Bay
1	Cargo Bay Access Airlock - Upper Compartment
2	Crew Mess/Lounge
1	Office Complex
1	Arboretum
2	Battery Compartment
2	Deuterium Tankage Bay
2	Briefing Room / Chapel / Theater
1	Forward Observation Lounge
1	Main Gangway & Retractable Sleeve
1	Recreation Lounge - Upper Level
1	Gymnasium - Pool Level
1	Impulse Engineering Complex
4	RCS Control Thruster Bay - Upper Level
1	Computer Core
1	EPS Relay / Battery Compartment
2	EPS Relay Compartment

Deck 07

1	Forward Observation Lounge - Sub-Level / Battery Compartment
1	General Cargo Bay - Main Level
1	Shuttlebay - Main Level
1	Shuttlebay Access Airlock - Lower Compartment
1	Cargo Bay - Main Level
1	Cargo Bay Access Airlock - Lower Compartment
1	Security Complex
1	Sickbay Complex
4	Battery Compartment
86	Escape Pod
2	Cryogenic Fluid Tankage Bay
1	Water Tankage Bay
2	Water Tankage / Transporter Transceiver Bay
1	Recreation Lounge - Main Level
1	Gymnasium - Main Level
1	Pool Machinery Compartment
2	Transporter Room
4	Landing Pad Bay
1	Impulse Drive Manifold Compartment
4	RCS Control Thruster Bay - Main Level
1	Computer Core

Deck 08

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Deck 08 - Inter

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1	Inte

Deck 09

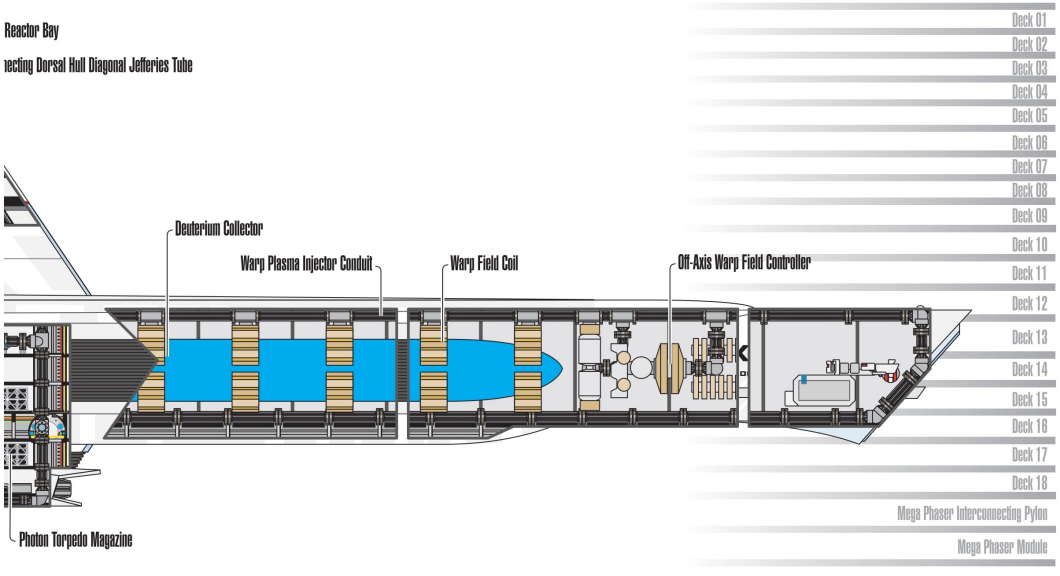
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Deck 09 - Inter

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PROTOTYPE NX-1940

SHEET 08/14



Deck 08

3	Ventral Phaser System Turret Compartment
2	Airlock / Docking Port & EVA Suit Locker Bay
1	Emergency Transporter Room
2	Transporter Transceiver Bay
1	Transporter Buffer / Plasma Relay / Battery Compartment
1	Computer Core

Deck 08 - Interconnecting Dorsal Hull

1	Vertical Main Turboshaft (Interconnecting Hull to Primary Hull)
1	Interconnecting Hull Horizontal Jefferies Tube

Deck 09

1	Ventral Observation Deck
1	Laundry / Perseus Defense Force-field GeneratorCompartment
1	Computer Cor

Deck 09 - Interconnecting Dorsal Hull

1	Secondary Thruster Bay
1	Deuterium Injector Compartment
1	Battery Compartment
1	Interconnecting Hull Horizontal Jefferies Tube

Deck 10

1	Tactical Scanner Bay
	1 - Ventral Tactical Scanner / Sensor Suite
	4 - Lateral Tactical Scanner / Sensor Suite

Deck 10 - Interconnecting Dorsal Hull

1	Interconnecting Hull Observation Lounge
1	Main Engineering - Warp Core
1	Docking Port / Airlock
1	Plasma Relay Compartment

Deck 11 - Interconnecting Dorsal Hull

1	Main Engineering - Warp Core
1	Deuterium Processing Compartment

Deck 12 - Interconnecting Dorsal Hull

1	Main Engineering - Warp Core
1	Structural Integrity Field Generator Compartment

Deck 13

1	Main Engineering - Propulsion & Warp Core - Upper Level

Deck 14

1	Main Engineering - Propulsion & Warp Core - Lower Level
1	Dilithium Chamber
1	Engineering Isolation Suit Locker
1	Insulating Force-field Generator Compartment

Deck 15

1	Main Engineering - Antimatter Injector Bay
1	Access Airlock
1	Photon Torpedo Magazine 1

Deck 16

1	Main Engineering - Antimatter Containment Pod Bay - High Bay
1	Access Airlock
1	Torpedo Loading Control Compartment

Nacelles

2	Bussard Ionizing Beam Emitter Bay
2	Bussard Magnetic Field Generator / Collector Bay
2	Continuous Cycle Fractionator & Deuterium Chiller Bay
2	Warp Coil & Plasma Injector Bay
2	Off-Axis Field Coil Bay
2	RCS Control Thruster Bay

Deck 17

1	Long Range Sensor / Conformal DeflectorBay - High Bay
1	Main Engineering - Antimatter Containment Pod Bay - Main Level
1	Photon Torpedo Magazine 2
1	Photon Torpedo Launcher Exhaust System

Deck 18

1	Long Range Sensor / Conformal DeflectorBay - Main Level
1	Photon Torpedo Launch Bay

Weapons Pylon (1)

1	Warp Drive Plasma Feed Conduit
1	Vertical Jefferies Tube

Mega-Phaser Housing (1)

1	Forward Mega-Phaser Energy Chamber Bay
1	Outrigger Phaser Compartment
1	Aft Mega-Phaser Energy Chamber Bay

Scale

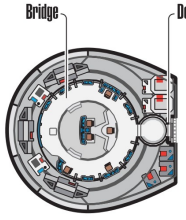
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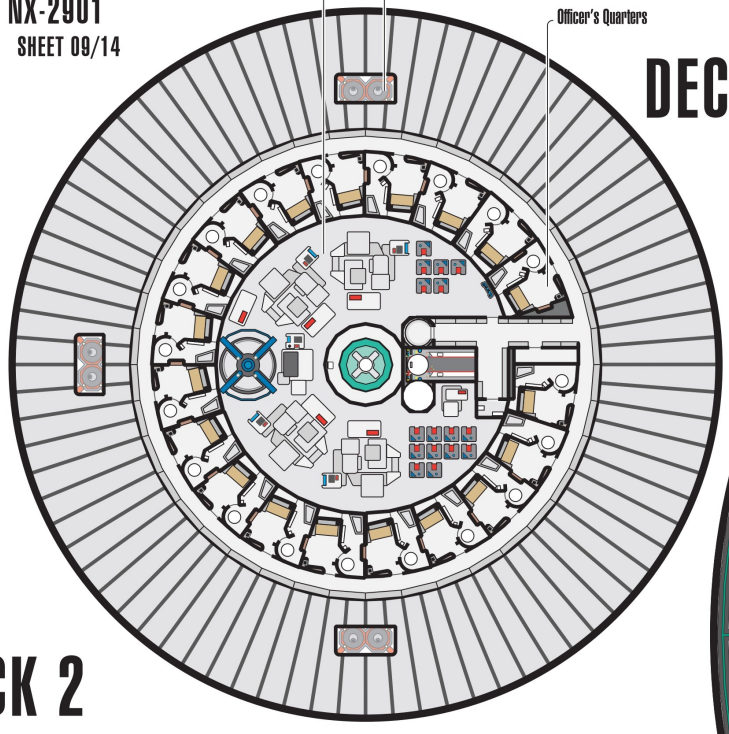
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PROTOTYPE NX-2901

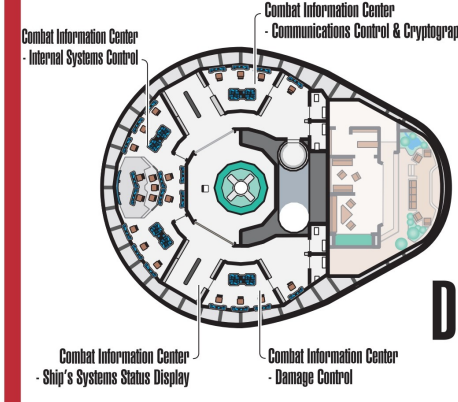
INTERNAL VIEWS SHEET 09/14



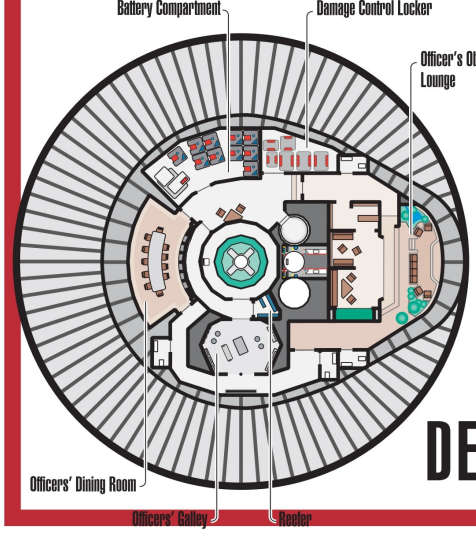
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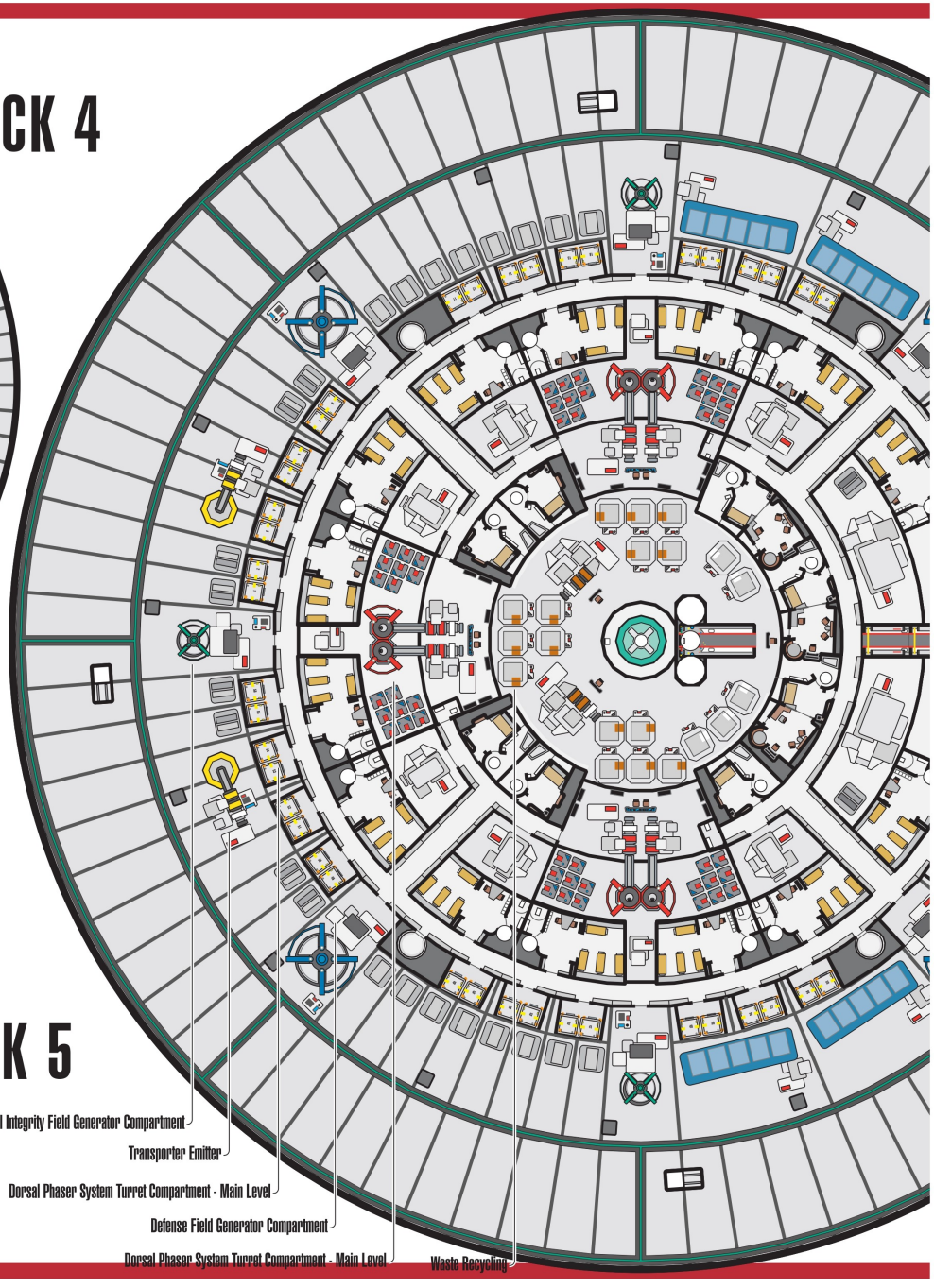
DECK 4



DECK 2



DECK 3

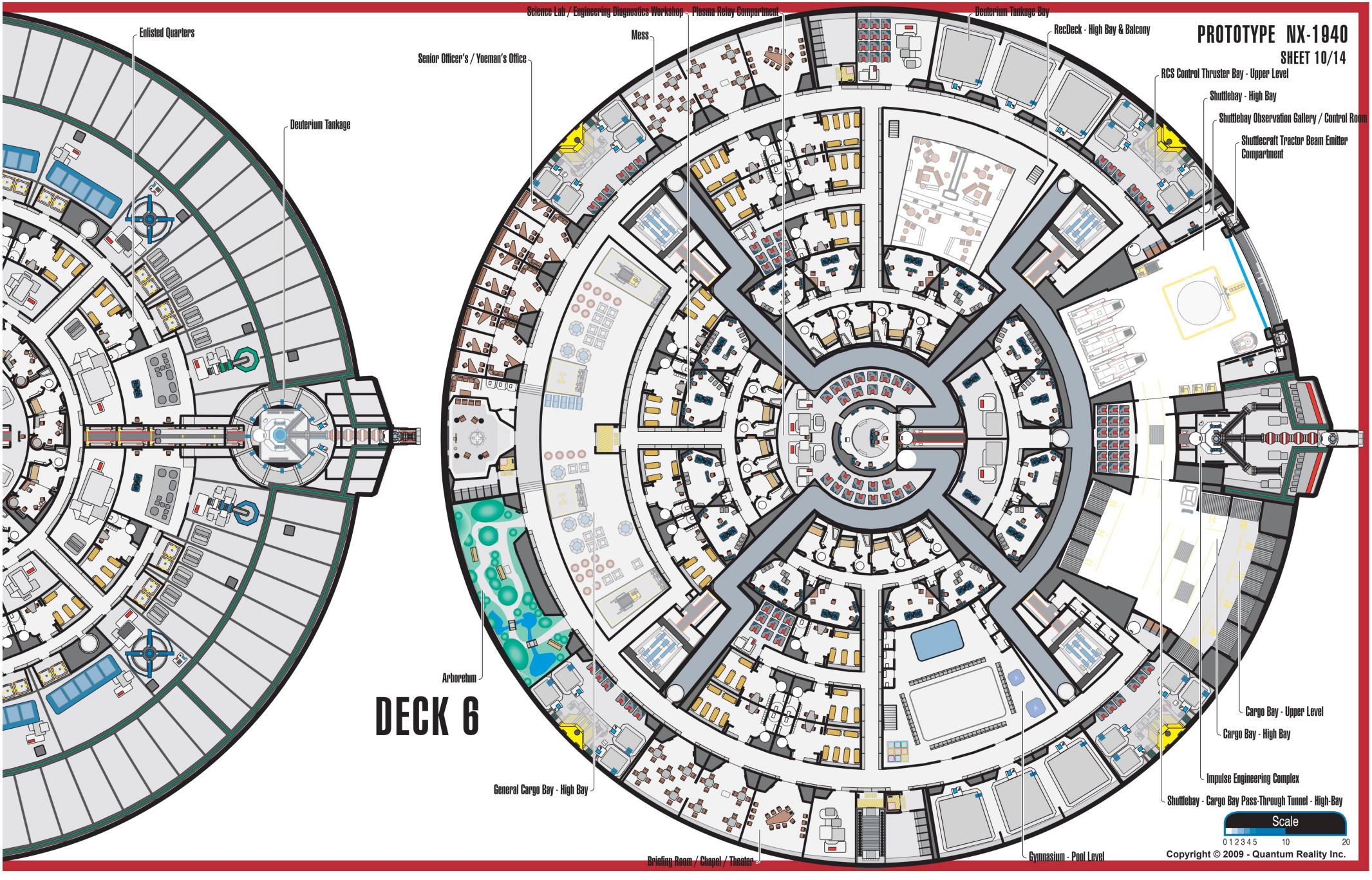


DECK 5

Scale

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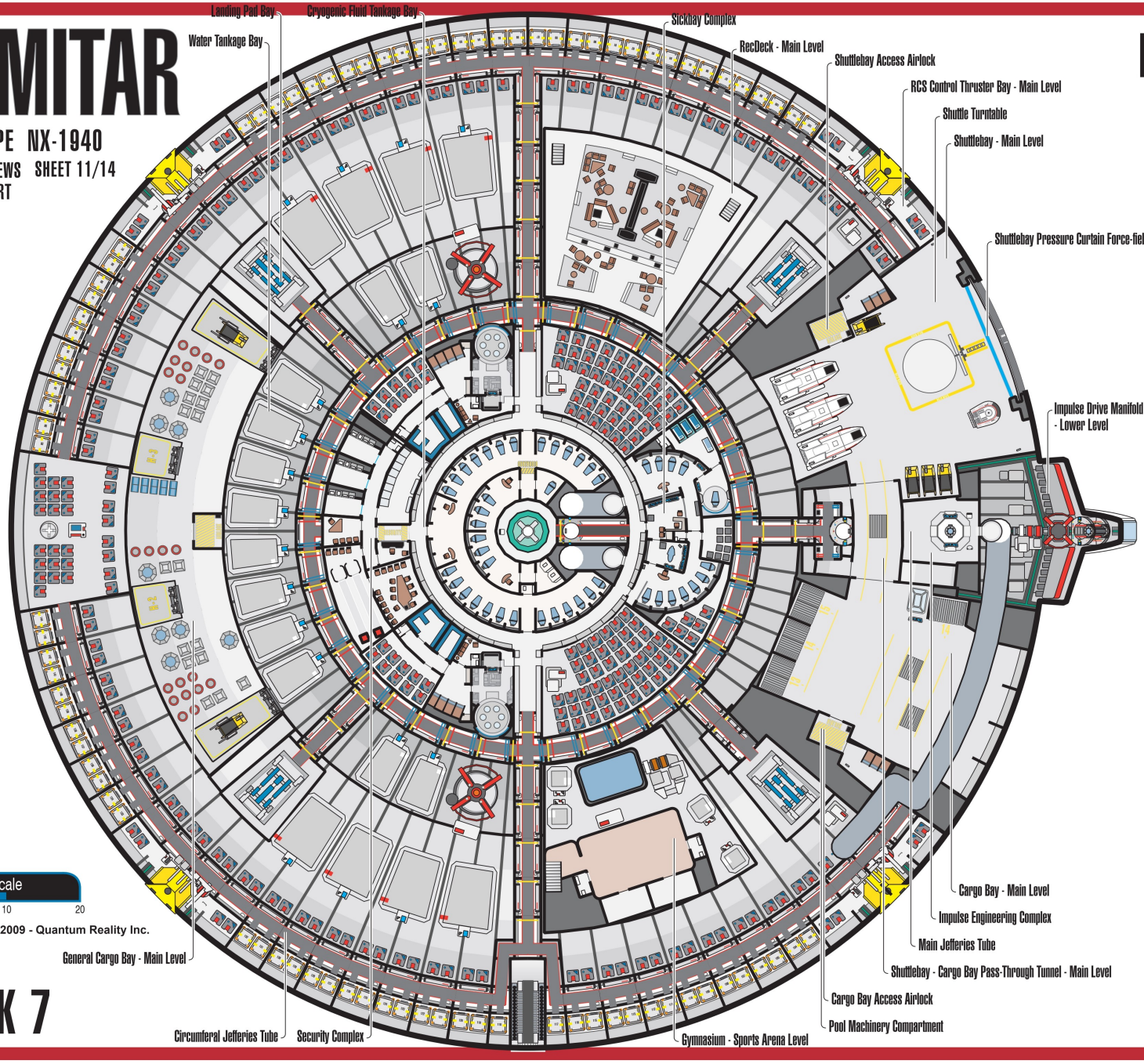
SHEET 10/14

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PROTOTYPE NX-1940

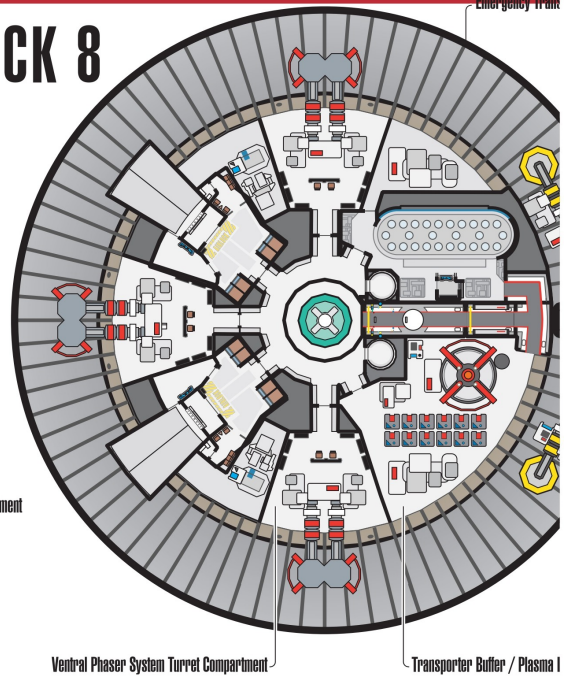
INTERNAL VIEWS SHEET 11/14
SYMBOL CHART

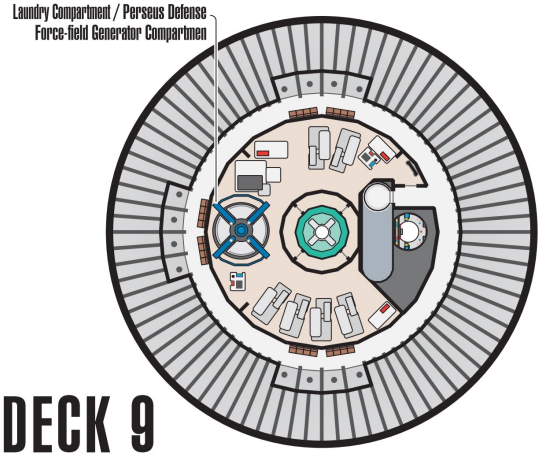


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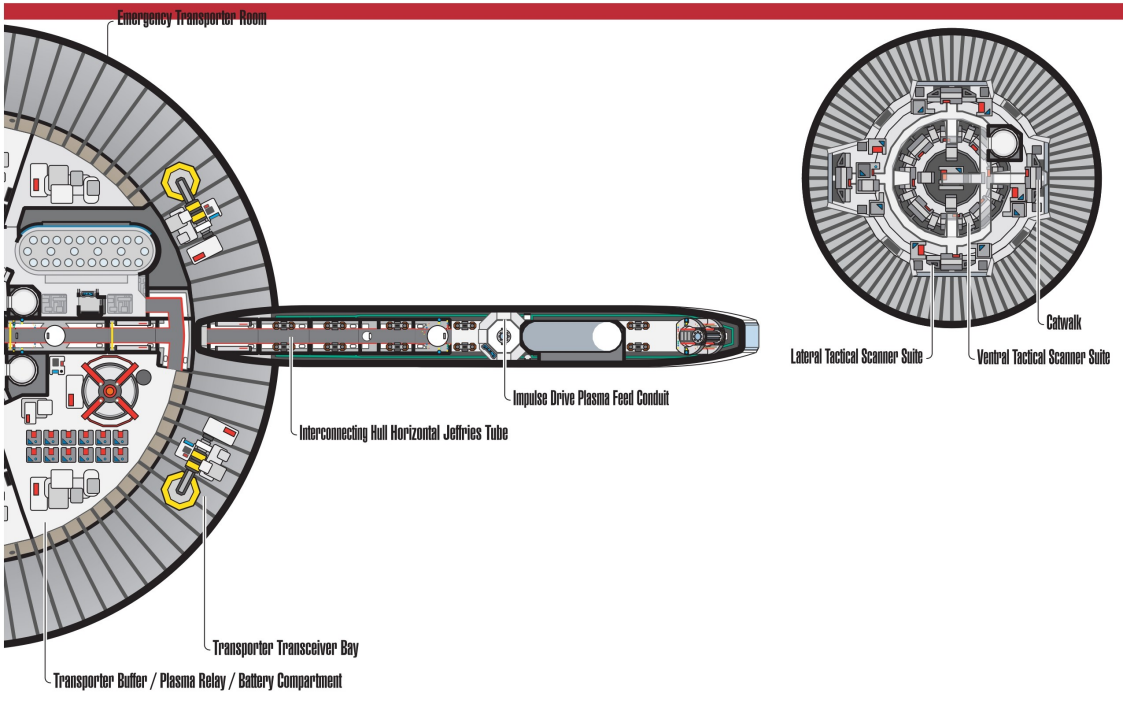
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DECK 8





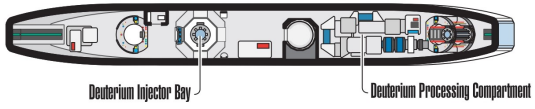
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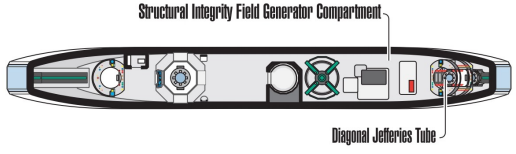
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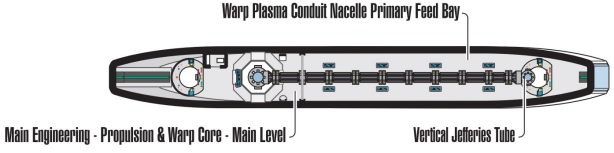
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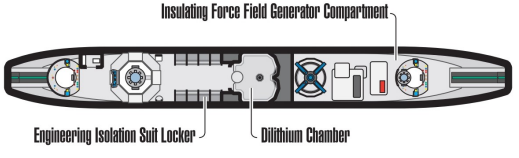
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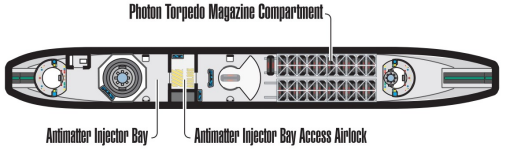
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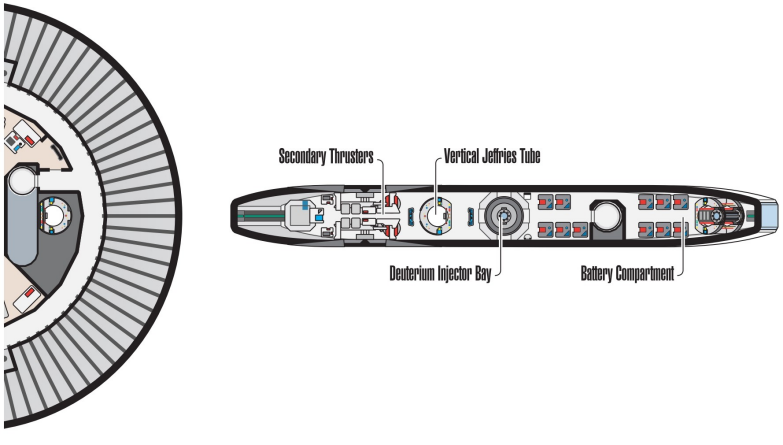


DECK 14



DECK 15



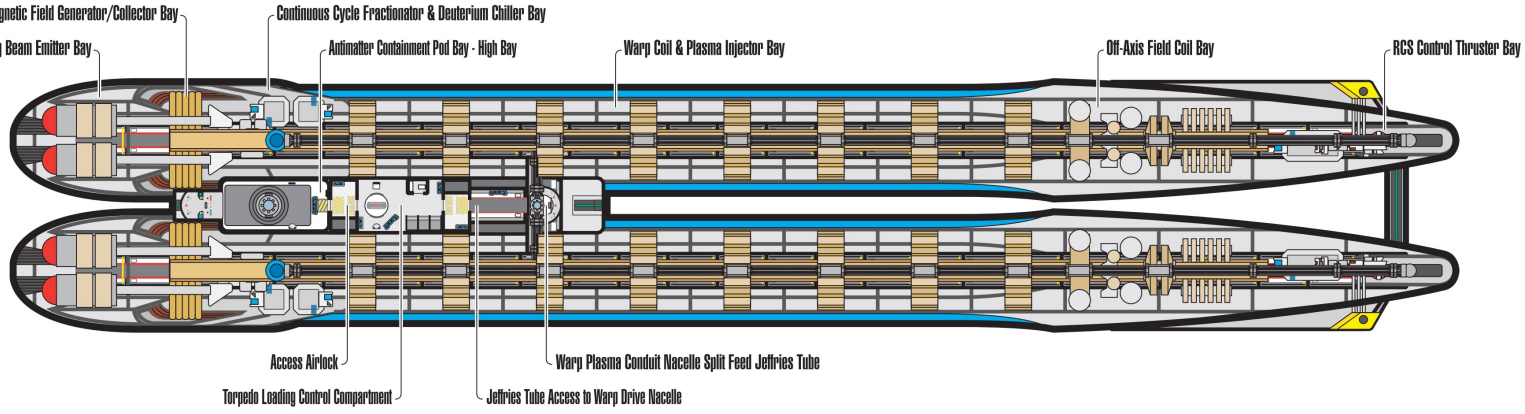


DECK 09

Scale
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DECK 16 & TANDEM WARP NACELLE

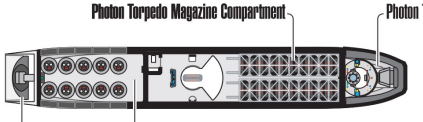


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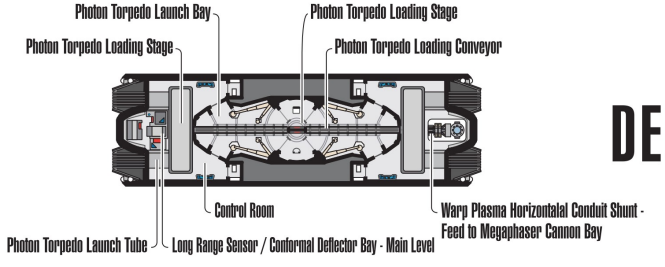
PROTOTYPE NX-1940

INTERNAL VIEWS SHEET 13/14

SYMBOL CHART



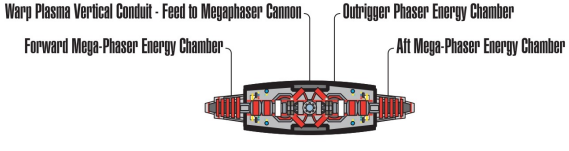
DECK 17



DECK 18



MEGA-PHASER PYLON



MEGA-PHASER POD

Scale

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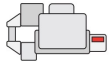
LIFE SUPPORT

ster Bay

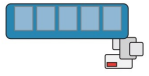
LIFE SUPPORT & FLUID/GAS TANKAGE

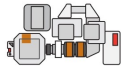

Food Synthesizer


Food Synthesizer Raw Material Storage Tank (Organic)

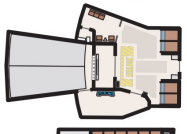

Inorganic Synthesizer


Synthesizer Raw Material Storage Tank (Inorganic)


Organic Stasis Containment

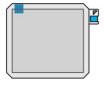

Organic Waste Recycler

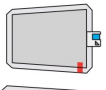

Atmospheric Recycler

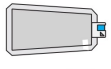

Airlock / Docking Port & EVA Suit Lockers


Airlock / Docking Port & EVA Suit Lockers


Cryogenic Cooling System


Cryogenic Tank (900 Cubic Meters)


Cryogenic Tank (250 Cubic Meters)

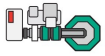

Water Tank (100 Cubic Meters)

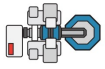

Cryogenic Tank (20 Cubic Meters)

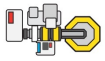

Organic Waste Slurry Tank (20 Cubic Meters)

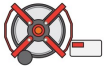

Umbilical Connections
- Deuterium Intake
- Cryogenic Liquids Intake
- Atmospheric External Support
- ODN External Connection
- Fresh Water Intake

COMMUNICATIONS & TRANSPORTER SYSTEMS

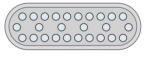

Subspace Radio Transceiver


EM Radio Transceiver


Transporter Transceiver


Transporter Buffer


Transporter Pad (6-personnel)


Transporter Pad (Emergency 28-personnel)

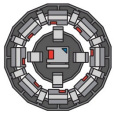

Transporter Pad (Cargo)

INFORMATION SYSTEMS


Computer Core


Navigation Sensor Array


Lateral Tactical Sensor Array


Ventral Tactical Sensor Array


Long Range Sensor Array / Conformal Deflector

MAIN ENGINEERING - ELECTRO-PLASMA SYSTEMS


EPS Relay


EPS Distribution Node

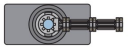

Cold Fusion Battery Bank

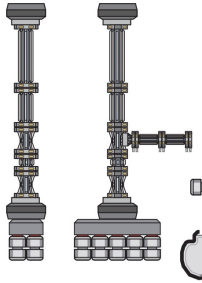

Damage-Control Containers


Emergency Supply Containers


Misc. Shipwide ODN Distribution Areas

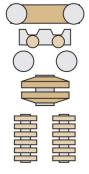
MAIN ENGINEERING - WARP CORE SYSTEMS


Deuterium Injector

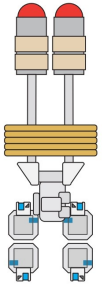

Warp Core Cross-sections
Dilithium Chamber
Warp Plasma Conduit
Antimatter Injector
Antimatter Containment Pod
Dilithium Chamber
Warp Core Control Station
Deuterium Processor

MAIN ENGINEERING - WARP DRIVE SYSTEMS

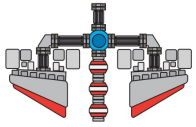

Warp Plasma Conduit
Warp Field Coil
Warp Plasma Injector


Off-Axis Field Generator

MAIN ENGINEERING - BUSSARD COLLECTION SYSTEMS


Ionizing Beam Emitters
Magnetic Field Generator / Collector
Continuous Cycle Fractionator & Hydrogen Tanks

MAIN ENGINEERING - IMPULSE DRIVE SYSTEMS


Warp Plasma Conduit
Auxillary Fusion Generators
Impulse Exhaust Manifold

MAIN ENGINEERING - SECONDARY THRUSTER SYSTEMS

2 Fusion Generator (8.1 X 10^{10} Mw)
Fore & Aft Vectored Exhaust Nozzle Plenums
Deuterium Tanks

MAIN ENGINEERING - REACTION CONTROL THRUSTER SYSTEM

Fusion Generator (8.1 X 10^{10} Mw)
Vectored Exhaust Nozzle Plenum
Deuterium Tanks

AUXILLIARY ENGINEERING - MISC. SYSTEMS

Keel Spar & SIF Waveguide Core

Horizontal Jefferies Tube

Vertical/Horizontal Jefferies Tube Junction

Vertical Jefferies Tube

Diagonal Jefferies Tube

Vertical Turboshaft
Horizontal Turboshaft
Turbolift Station

Hull-to-Hull Explosive Bolt Connection

One Person Lift

Landing Pad & Armature (Retracted)

GRAVITONIC SYSTEMS

Engineering Insulating Force Field Generator

Structural Integrity Field Generator

PROTOTYPE NX-1940

SHEET 14/14

SYMBOL CHART

Scale
0 1 2 3 4 5 10 20

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