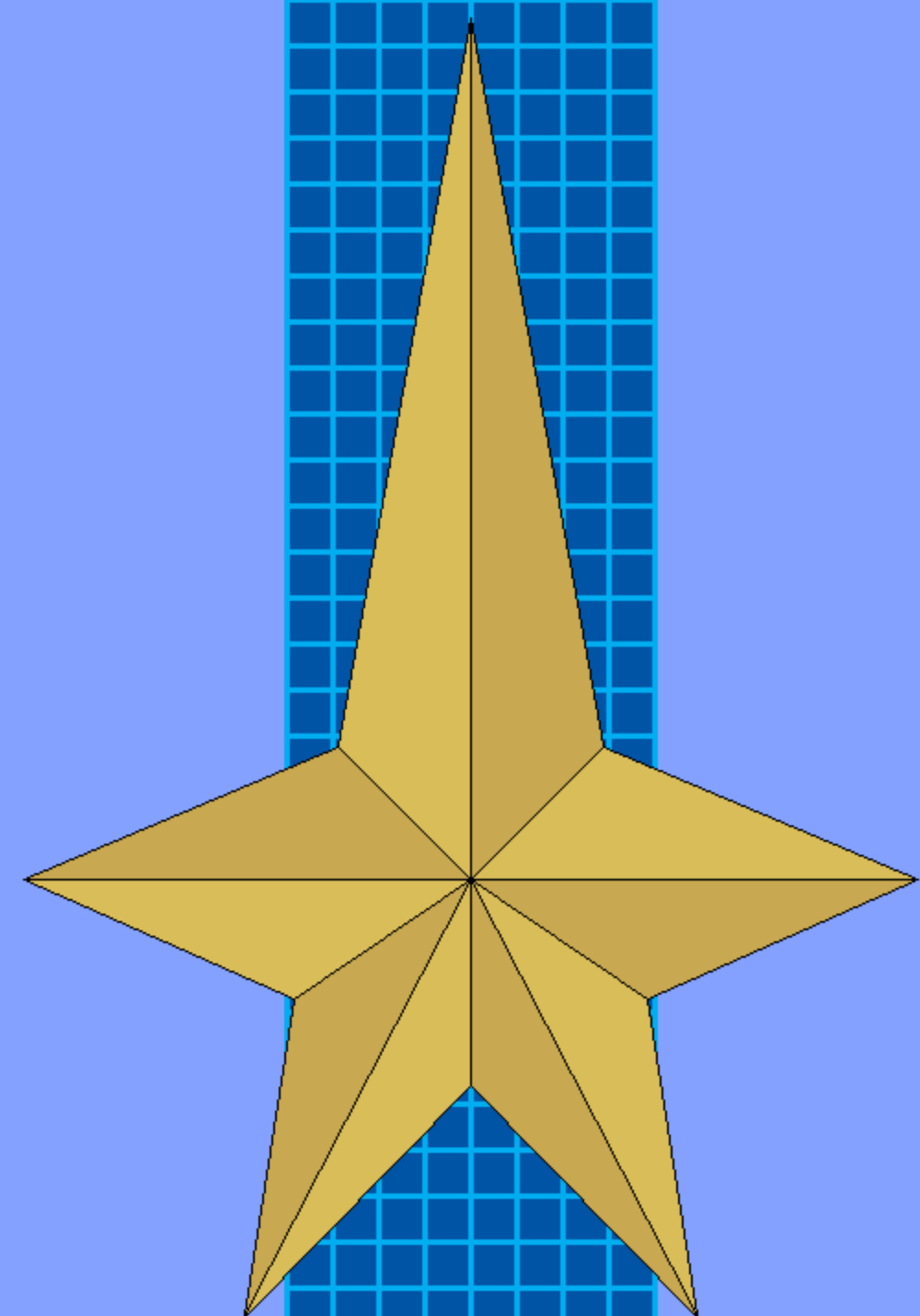


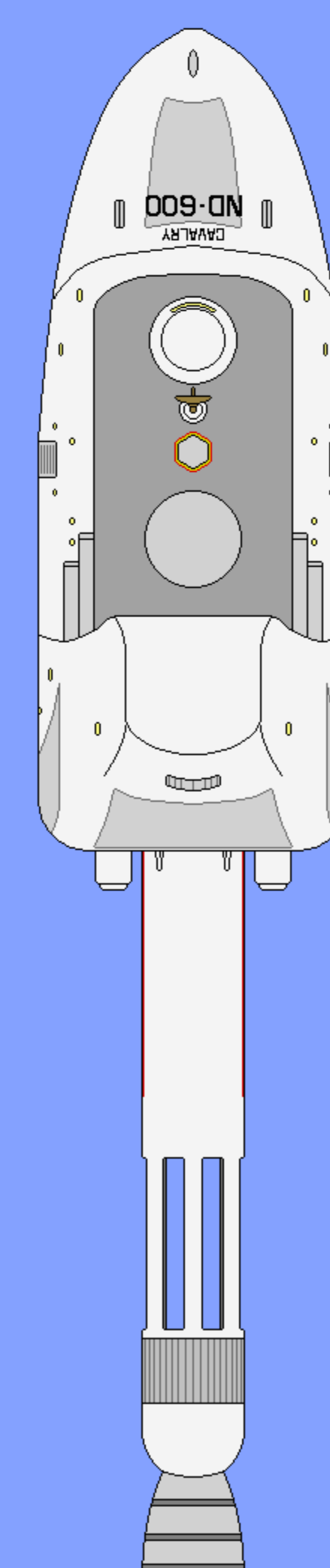


STAR FLEET

STARSHIP RECOGNITION MANUAL

REPORT:

CAVALRY LIGHT DESTROYERS





FORWARD

My contribution to this project would not have been possible without those who came before me. Mainly, CaptShade, whose original drawings laid the foundation for my work by providing me the figurative and literal tools for my own creative output. Nichodo, who was a big help in creating aft and ventral views of various components. RevancheRM, whose ideas and drive helped me get a little more creative and better at something I really enjoy. And, most definitely, Neale "Vance" Davidson, whose enormous volume of work got me interested in doing this in the first place, and for inspiring us all.

- Adrasil

First, as always, thanks to Adrasil. Since partnering with him, I've taken some great artwork and added some context to it. He's really allowed me to scratch my writing itch, to the point it sometimes bleeds, but still feels Oh-So-Good. Next up, of course, is Timo Saloniemi, who's work I've been following for around two decades and I greatly respect. The artwork in these "Starship Recognition Manuals" are 97% based upon the ones he describes textually in his grand opus, the "Hobbyist's Guide to the UFP Starfleet and Its History," and 3% derived from what he has inspired in us.

- RevancheRM

Additional reports may be found at: starshiptracker.com/deltadynamics

CREDITS

ADRASIL: All imagery (unless otherwise credited)
www.DeviantArt.com/Adrasil
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Jaynz.Trekships.org
TIMO SALONIEMI: Author of "Hobbyist's Guide to the UFP Starfleet", the inspiration for these SRMs. A direct link to his Google Drive may be found on most deviations in RevancheRM's gallery.
VIPERAVIATOR: Source of adapted cover starburst
www.DeviantArt.com/ViperAviator

CAVALRY SERIES:
Original inspiration from: The Federation (FASA), Spaceflight Chronology (Stan & Fred Goldstein & Rick Sternbach)

NOTE FROM THE WRITING EDITOR

These ships do not always exactly match the specifications Timo provides in his technical section for each class, as I've adapted them in ways that allowed them to fit a bit better with the guidance provided by the starship construction rules in Steven Long's "Spacedock". I've also changed some dates around when I found them in conflict with other information Timo has provided. These two books greatly inform my own alpha-canon and I urge you to look up both online, as offered free by their respective authors. (Links to both are provided on the Delta Dynamics site.)

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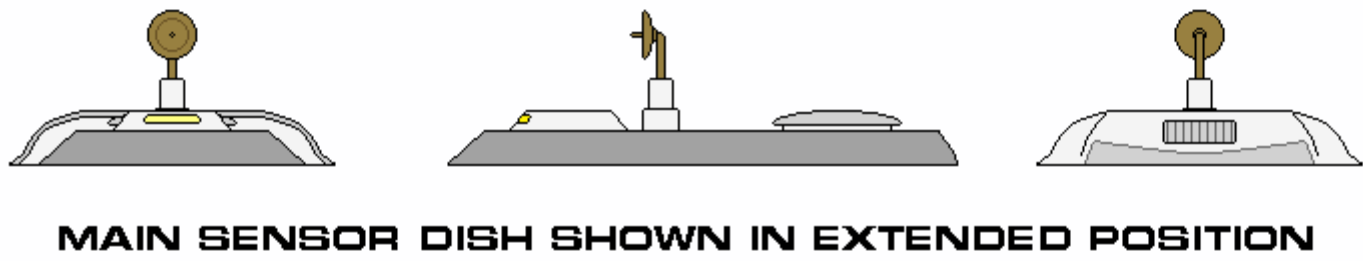
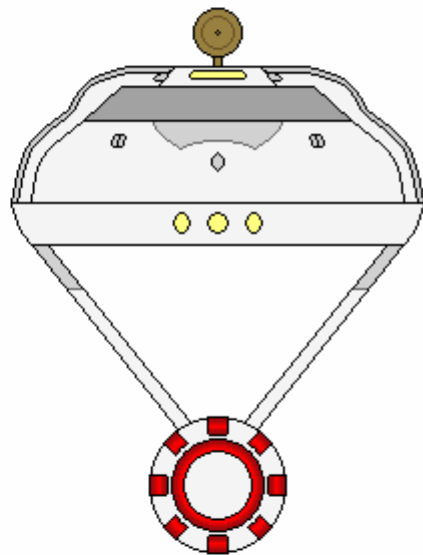
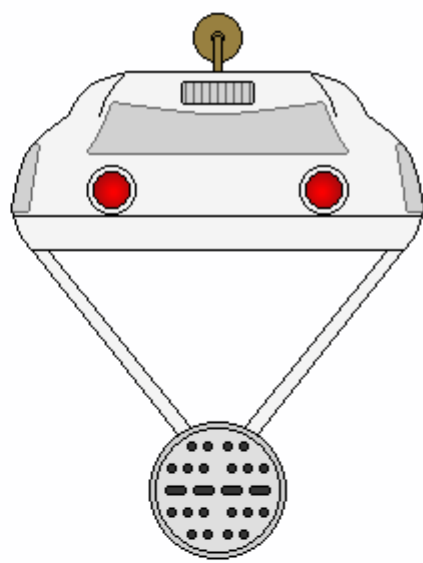
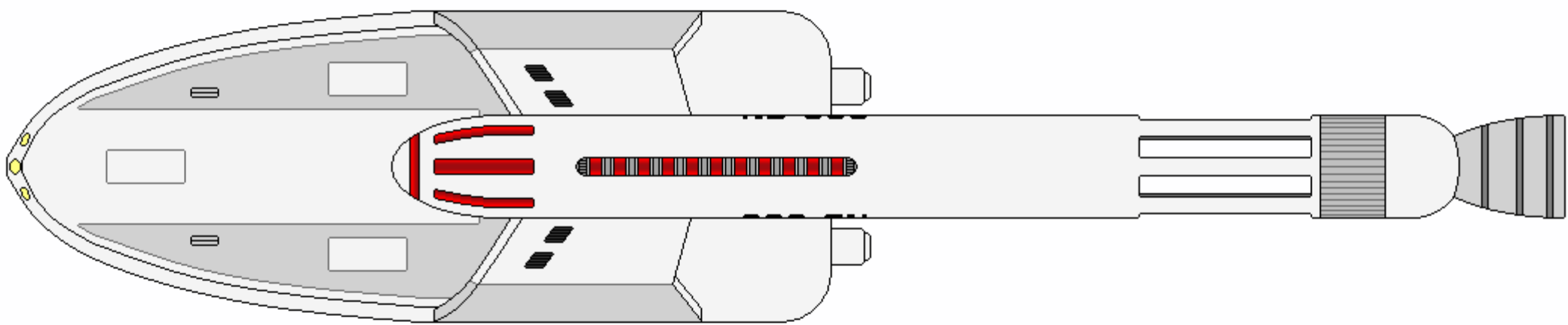
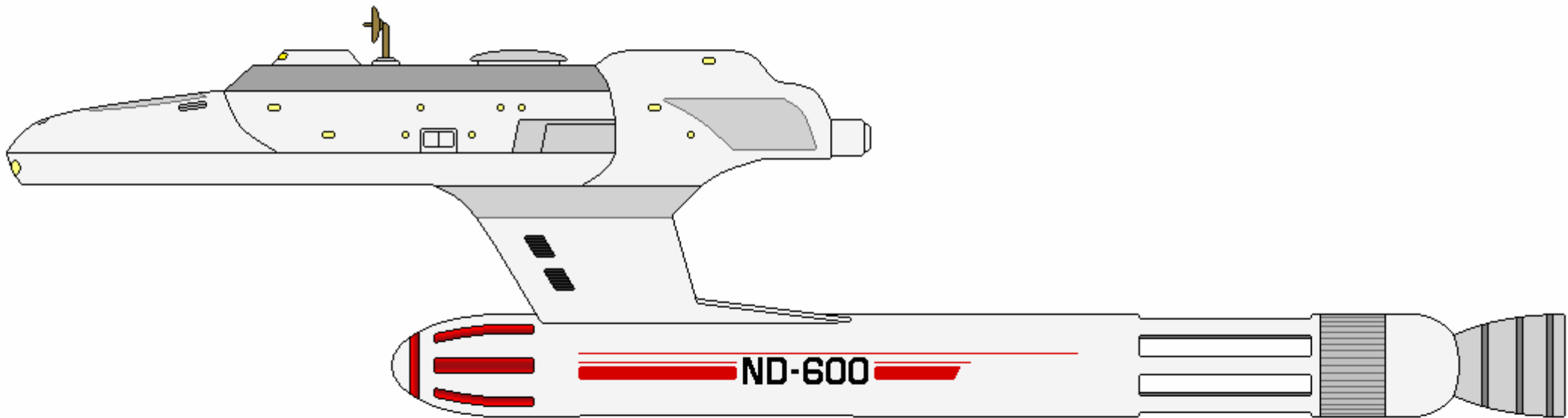
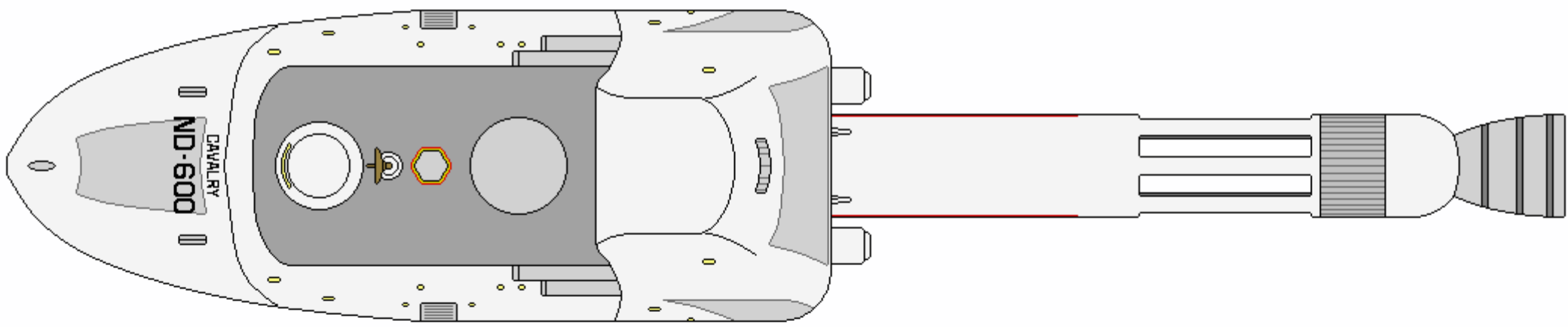


CONTENTS

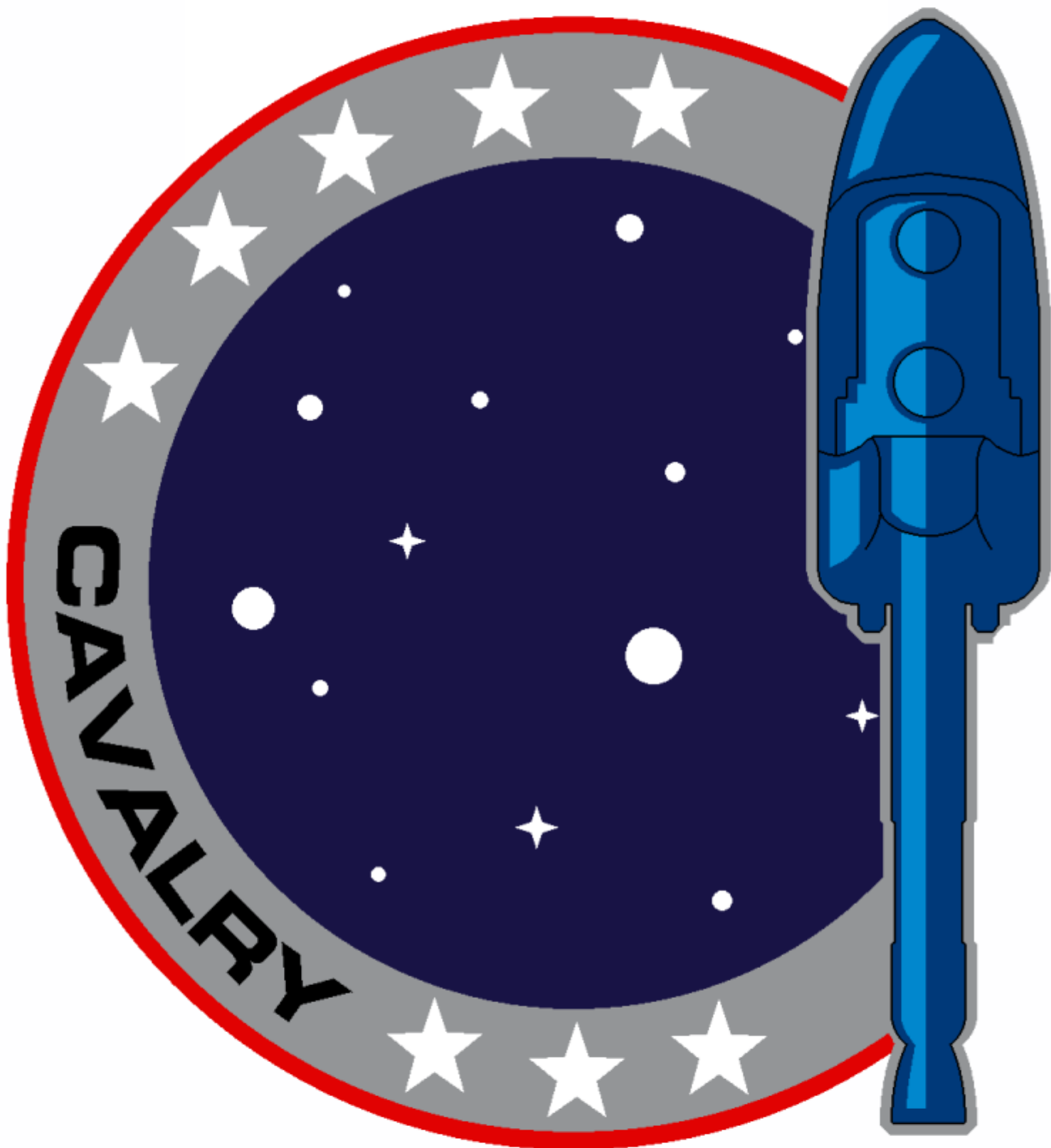
CAVALRY	LIGHT PHASE GUN DESTROYER	PG 02:01
STRACHAN	LIGHT TORPEDO DESTROYER	PG 02:04
MARS	LIGHT TORPEDO DESTROYER	PG 02:07
TURING	LIGHT DESTROYER	PG 02:10
CLASS TIMELINE		PG 03:01
STARSHIP COMPARISON GUIDE		PG 03:05
GLOSSARY		PG 03:06
OTHER PUBLICATIONS		PG 03:09



CAVALRY CLASS



MAIN SENSOR DISH SHOWN IN EXTENDED POSITION



CATEGORY:	LIGHT PHASE GUN DESTROYER		
OPERATIONAL:	2151 - 2164		
CONSTRUCTED:	10		
DIMENSIONS:	TACTICAL:		
LENGTH:	190.0 M	- 4X 6.0 GW PLASMA CANNONS	
BEAM:	37.8 M	- 1X TYPE A (500 GW) PHASED PARTICLE CANNON	
HEIGHT:	50.0 / 55.1 M	- POLARIZABLE ARMOR	
MASS:	132,800 MT	- NAVIGATIONAL DEFLECTOR ARRAY	
PERFORMANCE:			
CRUISE:	WARP 2 (OCU)		
MAX:	WARP 3.1 (OCU)		
ENDURANCE:	2 YEARS		
COMPLEMENT:	AUXILIARIES:		
OFFICERS:	9	- 2X ATMOSPHERIC SHUTTLEPODS	
ENLISTED:	75		



CAVALRY CLASS
AUTHORIZED CONSTRUCTION

THE FOLLOWING SHIPS WERE AUTHORIZED AS CONTRACTS UNDER THE ABOVE CLASS FOR COMMISSIONED SERVICE WITH THE UNITED EARTH STARFLEET, PER THE RELEVANT ARTICLES OF THE TRAITÉ D'UNIFICATION.

UESS CAVALRY	ND-600	UESS SAKER	ND-605
UESS CARRONADE	ND-601	UESS CORINNE	ND-606
UESS SNOW	ND-602	UESS FALCONET	ND-607
UESS RANDOLPH	ND-603	UESS JACKSON	ND-608
UESS CETBANG	ND-604	UESS MACHIAVELLI	ND-609

GENERAL INFORMATION

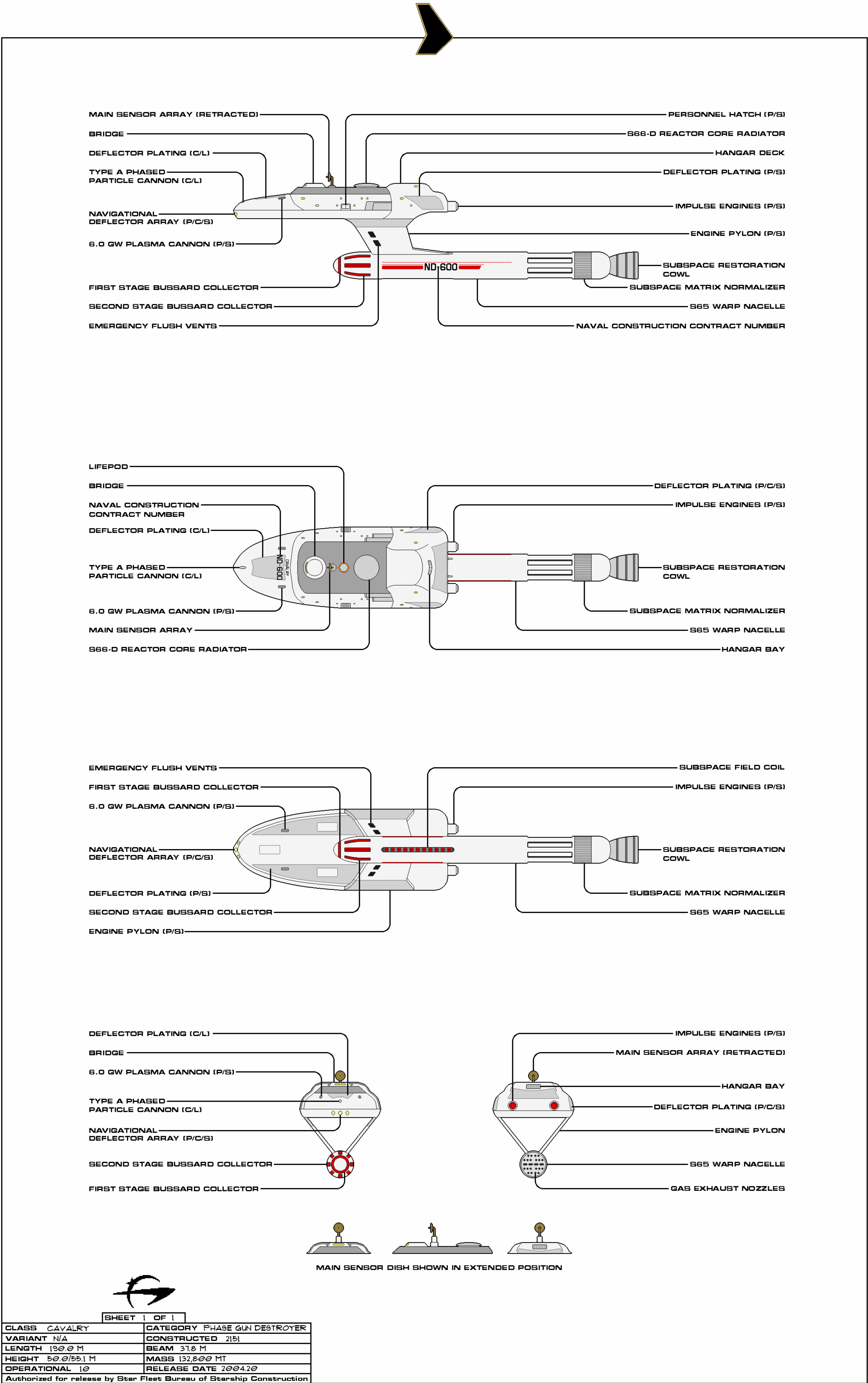
The durable maxim that generals are always prepared to fight the last war holds true with the proposal, design, and production of the Cavalry light phase gun destroyers. This is not to be read as an admonishment of that decision, though the vessels could barely operate even as chaff against the later Romulan threat of the 2150s. Instead, it is an acknowledgment of the defensive concerns of the United Earth Starfleet in the 2140s.

In that period, the most urgent requirement for Earth and her then-major colonies were ships to serve in what were essentially police operations to quell the irksome raids of the Kzinti, a blustering feline race with origins to the (then-unknown) Xindi civilization of the Delphic Expanse. The UESF had developed and placed a great deal of faith in cruisers armed and armored with the most cutting-edge technology currently available to Humans, in order to protect ships of the Earth Cargo Authority and United Earth Space Probe Agency. This demand on the heavier vessels meant that system defenses either relied on patrol cutters—often without the capacity to bring heavier weapons to bear—or cruisers that happened to be system-adjacent, not a scenario any planetary administration would accept.

Tactical scenarios also envisioned a potential alien invasion to be predicated upon a large starship—such as made familiar with the Vulcan voidships—which would best be countered by multiple interceptors armed with forward-facing heavy weaponry conducting constant and coordinated strikes. As these vessels would not need to be focused on interstellar missions, they would have no distance nor FTL requirements of the deep-space explorers and cruisers, nor anti-fighter weaponry often required for the counter-piracy roles of convoy duty.

Hence, the Cavalry class light phase gun destroyer was designed to carry four 6-gigawatt plasma cannons on the bow, with a heavy Type A phased particle cannon in the 500-gigawatt range, centered on the bow as well. Heavy polarizable armor was embedded on the dorsal fore to allow lined-up strike approaches, and on the ventral side, as protection during the violent banking maneuvers away from the attack run. The warships had one S65 ventral nacelle powered by the S66-D fusion reactor via two sturdy pylons, with a maximum capacity of warp 3.1, more than enough to allow system patrollers to form up for interception runs. The subspace matrix normalizer was deemed a necessary addition to the nacelle itself, as a formation of closely-maneuvering starships would cause localized tetryons to behave chaotically, impacting the stabilization of warp fields on the trailing ships. The waste delta radiation from the normalizer dictated a position as far as possible from inhabited interiors; the open frame just forward of the device helped to reduce unnecessary mass.

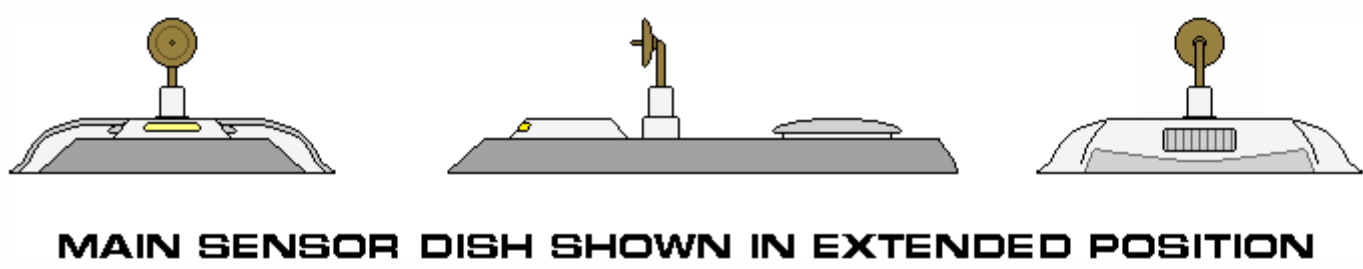
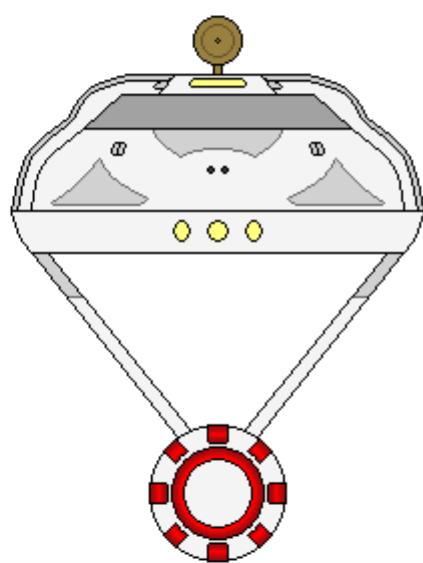
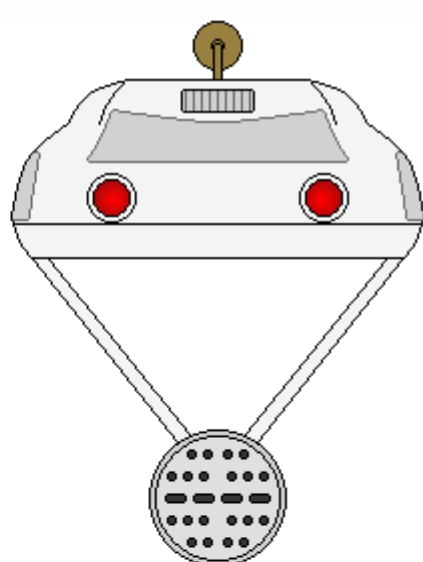
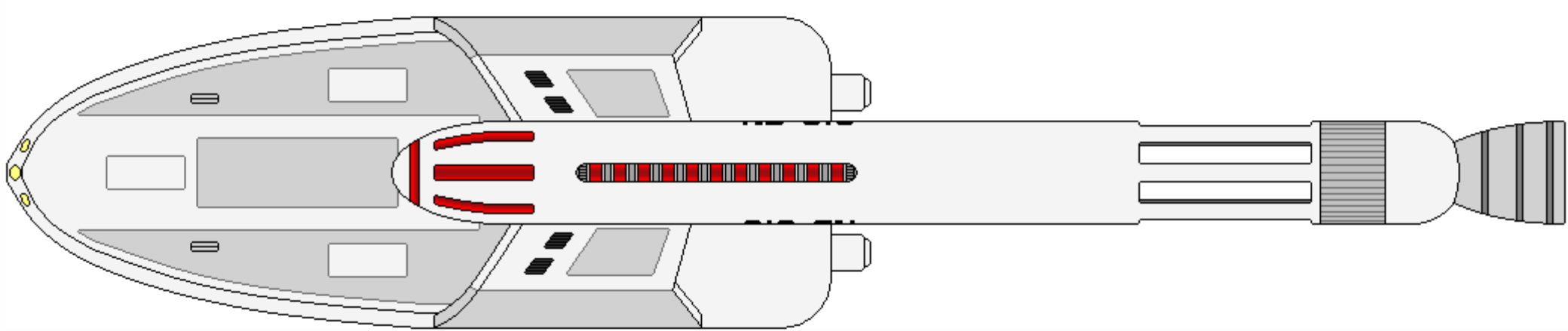
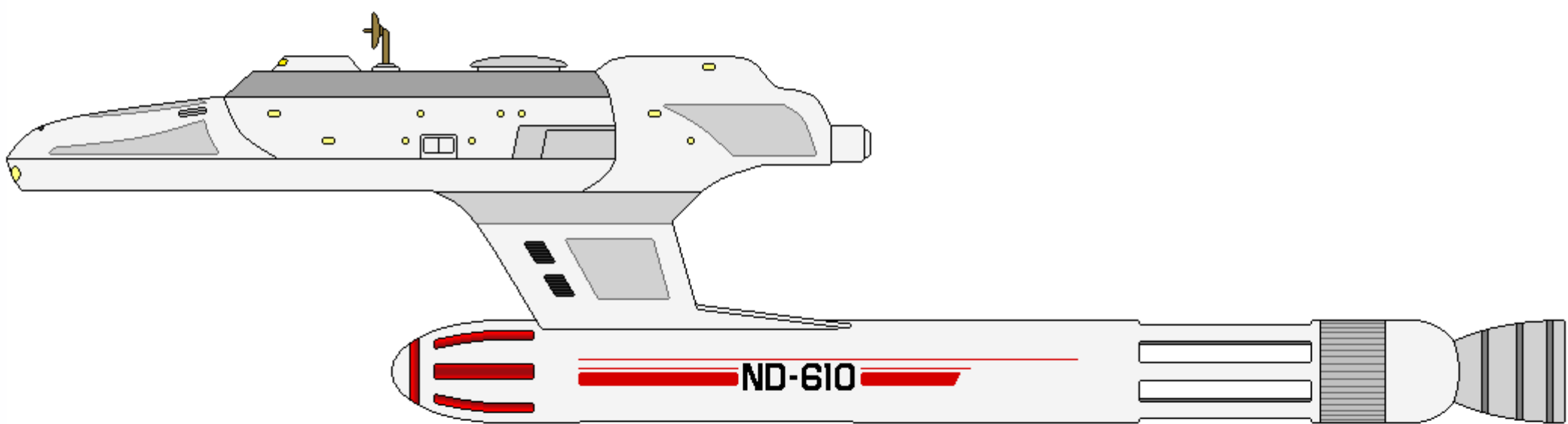
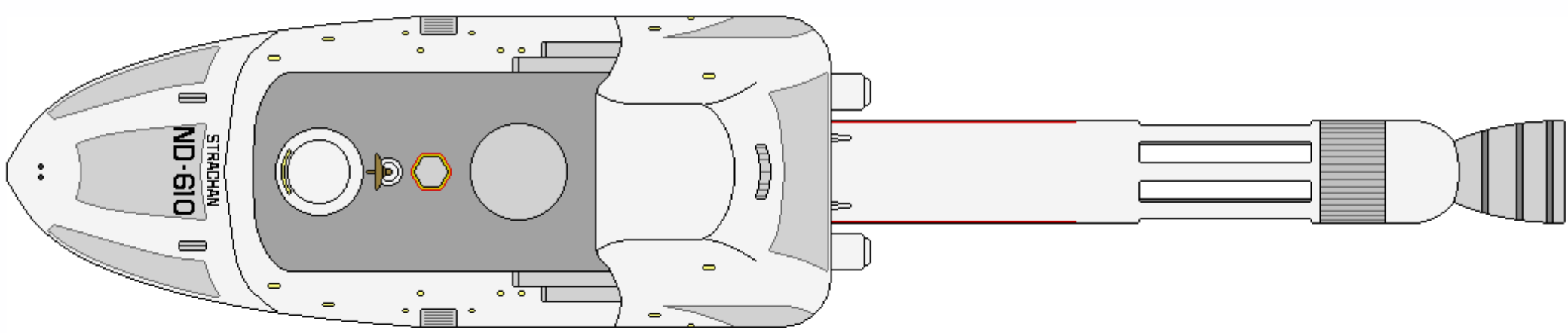
The crew of 84 “enjoyed” an intimate operational environment, as the narrow hull had to hold all departments’ equipment in a fore-to-aft configuration necessary to restrict the beam perspective. There was enough room on the dorsal stern to support a two-pod shuttlebay with aft entry, a much more tolerant design than the ventral bay of the Enterprise class explorer that debuted the same year. The two dual-use airlock/docking ports located on opposing sides of Deck 3 and the lifepod station on the dorsal midsection comprised the entirety of embarkation points, until the first inclusion of a single-person transporter in 2156. Though equipped and supplied for an endurance of 2 years, the “mission range” reflected more upon the lack of capacity of some colonies to support their defenders.



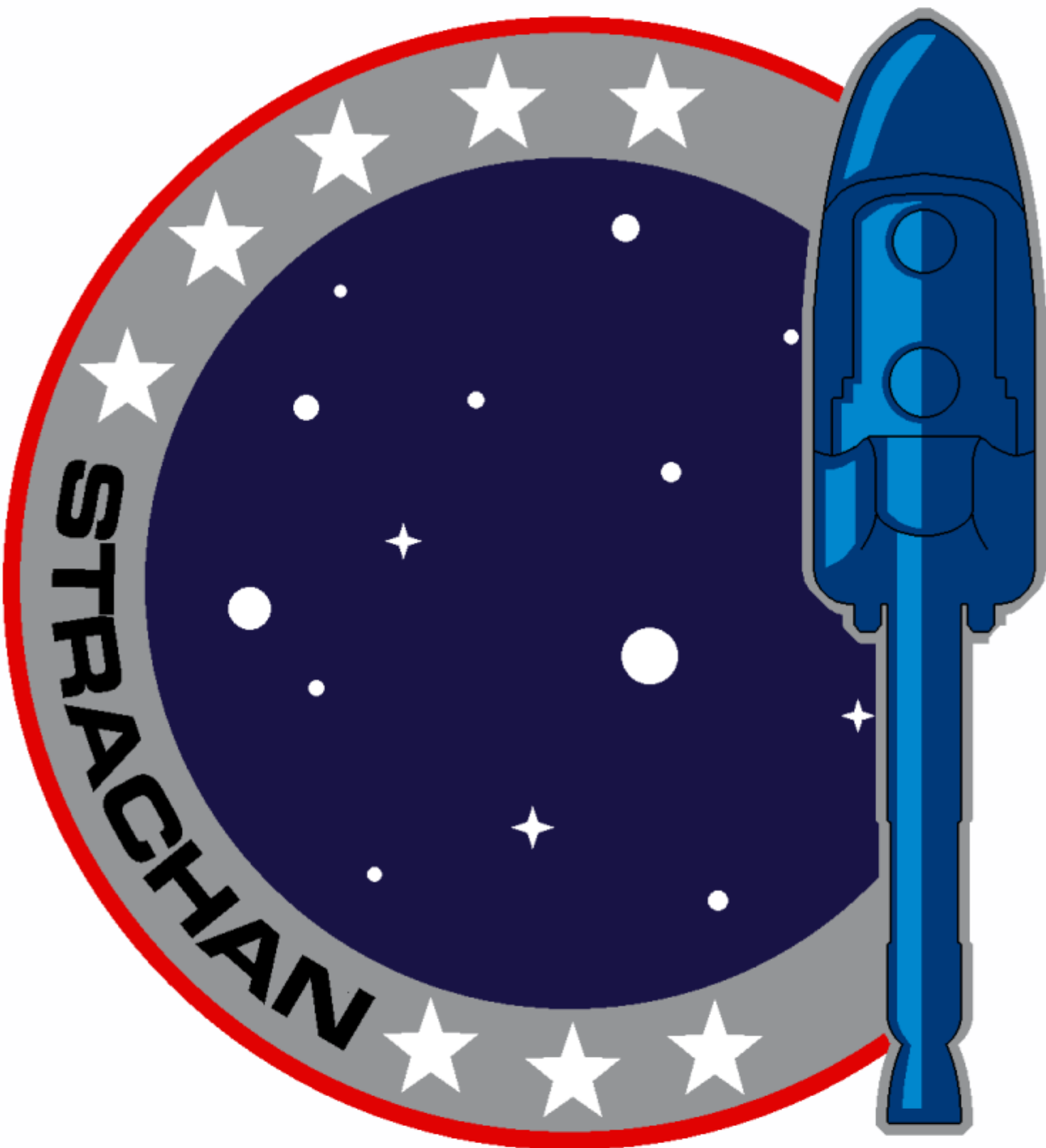
SHEET 1 OF 1	
CLASS CAVALRY	CATEGORY PHASE GUN DESTROYER
VARIANT N/A	CONSTRUCTED 2151
LENGTH 130.0 M	BEAM 31.8 M
HEIGHT 50.0/55.1 M	MASS 132,800 MT
OPERATIONAL 10	RELEASE DATE 2004.20
Authorized for release by Star Fleet Bureau of Starship Construction	



STRACHAN SUBCLASS



MAIN SENSOR DISH SHOWN IN EXTENDED POSITION



CATEGORY: LIGHT TORPEDO DESTROYER
OPERATIONAL: 2153 - 2165
CONSTRUCTED: 2

DIMENSIONS:
LENGTH: 190.0 M
BEAM: 37.8 M
HEIGHT: 50.0 / 55.1 M
MASS: 133,300 MT

PERFORMANCE:
CRUISE: WARP 2 (OCU)
MAX: WARP 3.1 (OCU)
ENDURANCE: 2 YEARS

COMPLEMENT:
OFFICERS: 9
ENLISTED: 75

TACTICAL:
- 4X 6.0 GW PLASMA CANNONS
- 2X TORPEDO TUBES
 (W/ 24 PHOTONIC TORPEDOES)
- POLARIZABLE ARMOR
- NAVIGATIONAL DEFLECTOR ARRAY

AUXILIARIES:
- 2X ATMOSPHERIC SHUTTLEPODS



STRACHAN SUBCLASS
AUTHORIZED CONSTRUCTION

THE FOLLOWING SHIPS WERE AUTHORIZED AS CONTRACTS UNDER THE ABOVE CLASS FOR COMMISSIONED SERVICE WITH THE UNITED EARTH STARFLEET, PER THE RELEVANT ARTICLES OF THE TRAITÉ D'UNIFICATION.

UESS STRACHAN	ND-610	UESS PROCOPE	ND-611
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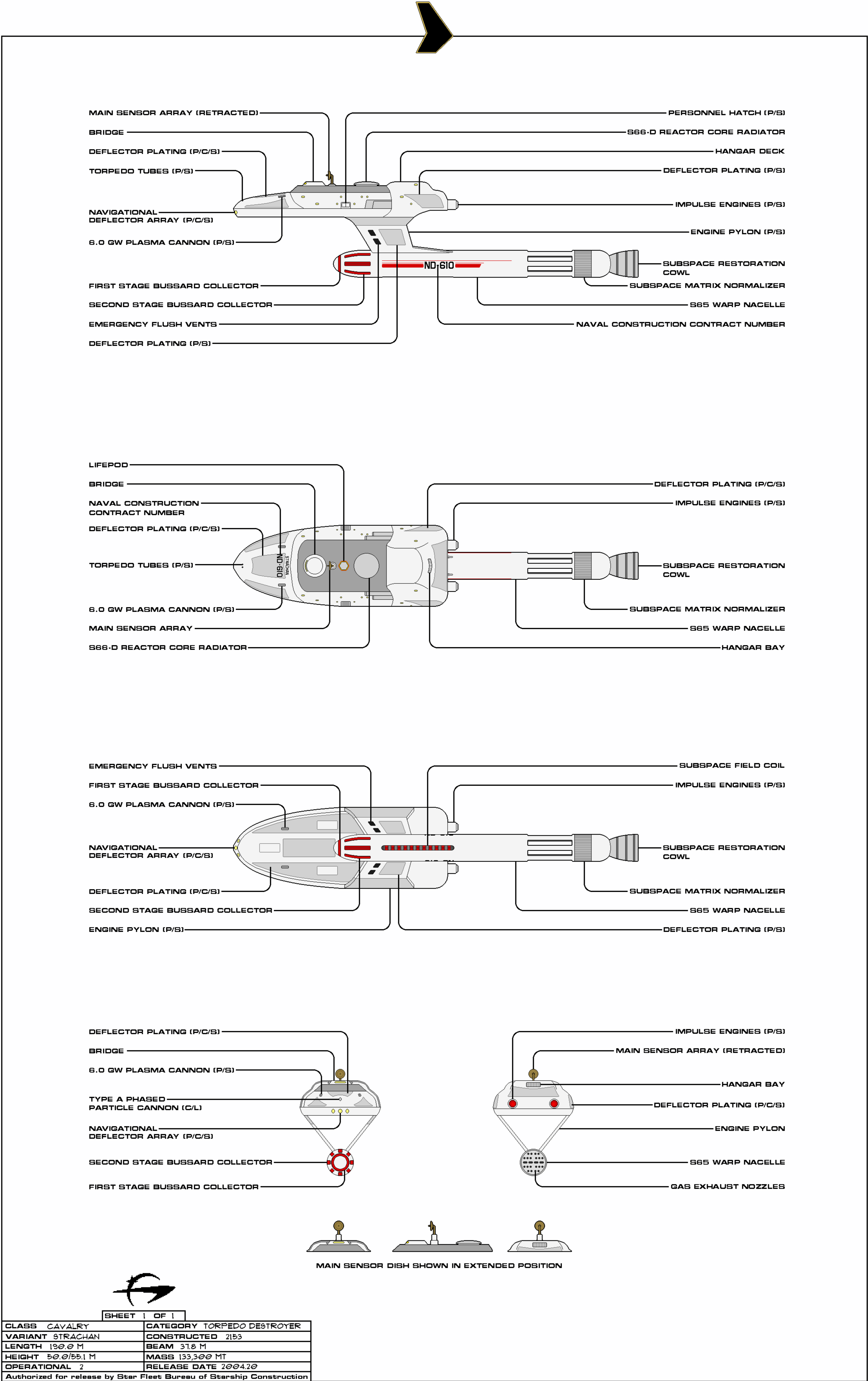
GENERAL INFORMATION

The most dominant feature of the Cavalry class light destroyers—to those who crewed them—was the cramped interior space. That was all fine and good for a vessel tasked with staying within the relative confines of a system's neighborhood where a patrol might last, at the most, up to 5 or 6 weeks. Since the defensive mission was to protect the colony planet (or Earth and its system outposts, for a few select ships), the confined internal spaces were tolerable, as going groundside was a common evolution. Starfleet did not deem the mission as dependent upon a higher-warp nacelle nor the latest in innovative reactor designs, such as with the dilithium-regulated total annihilation reactor of the concurrent Enterprise design.

However, that did not mean the Cavalry class was underpowered. The fusion S66-D warp reactor was more than capable of fully energizing the plasma necessary for the S65 nacelle, a recent design utilizing 14 well-established coils, with plenty of power remaining to also fully charge the two high performance impulse engines. This allowed the ship to make drastic sublight maneuvers that would bring her onto target and then off on an unanticipated bearing before too much counterfire could be drilled into her armored hull. That energized plasma was also more than enough to allow all four plasma cannons and the main phased particle weapon to engage in rapid-succession chain fire or all-out alpha strikes.

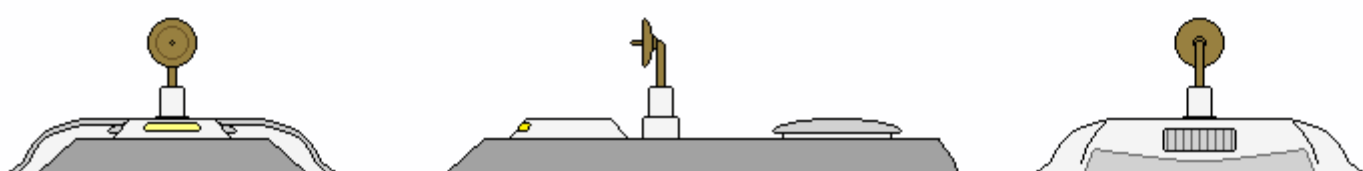
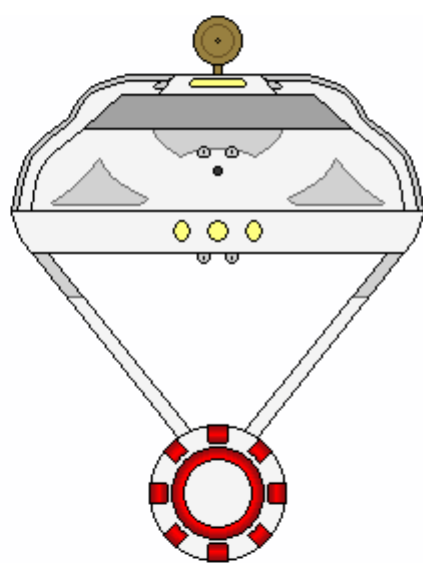
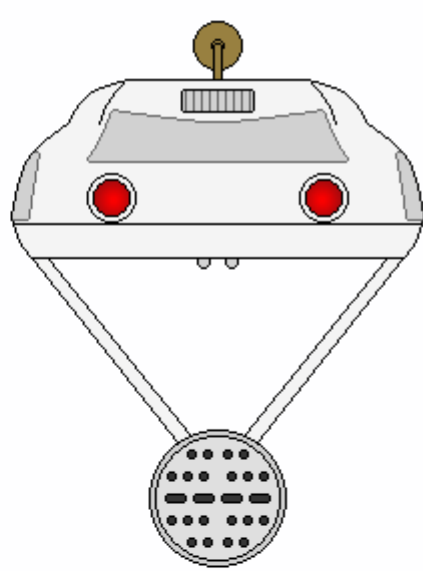
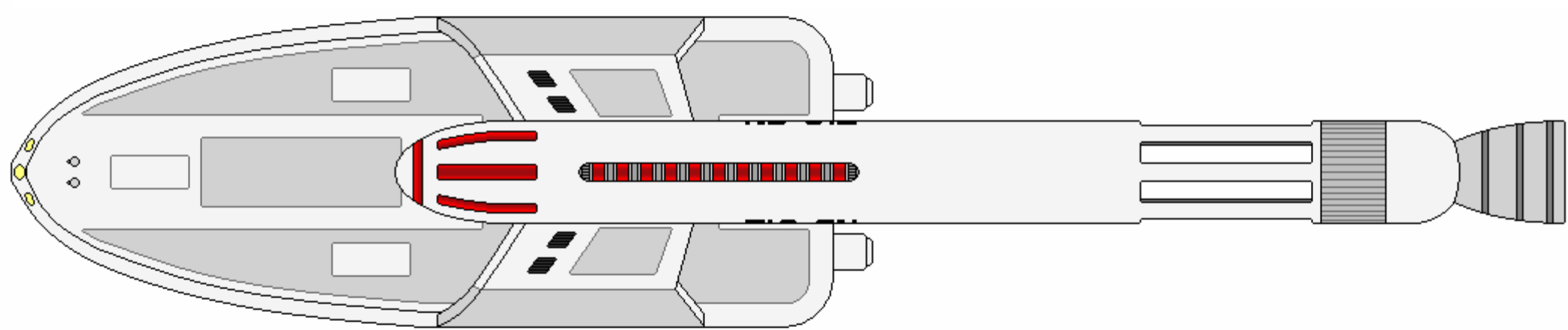
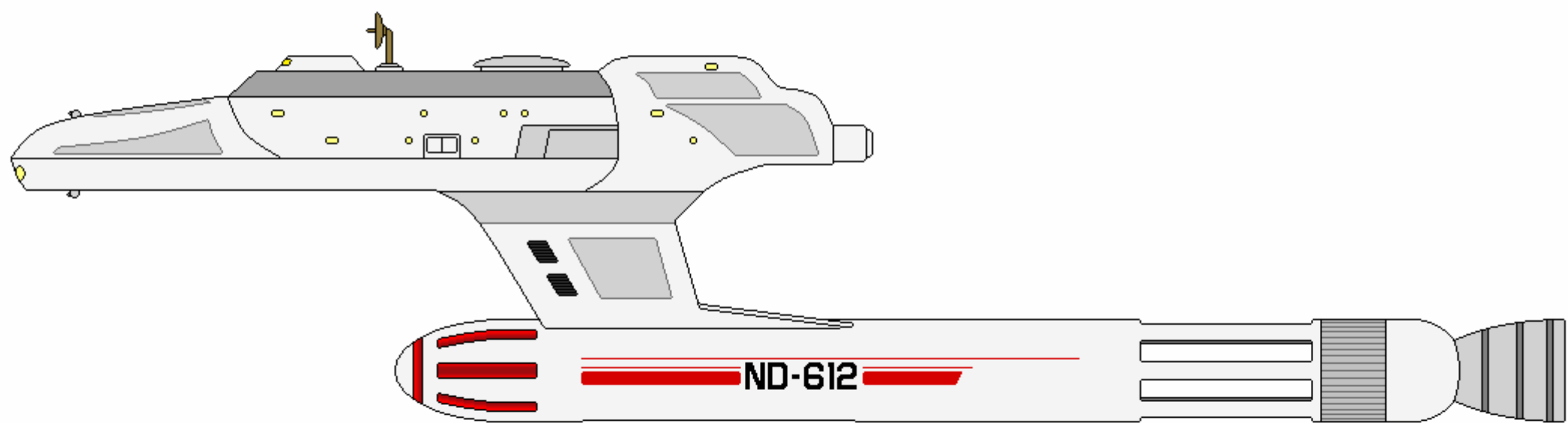
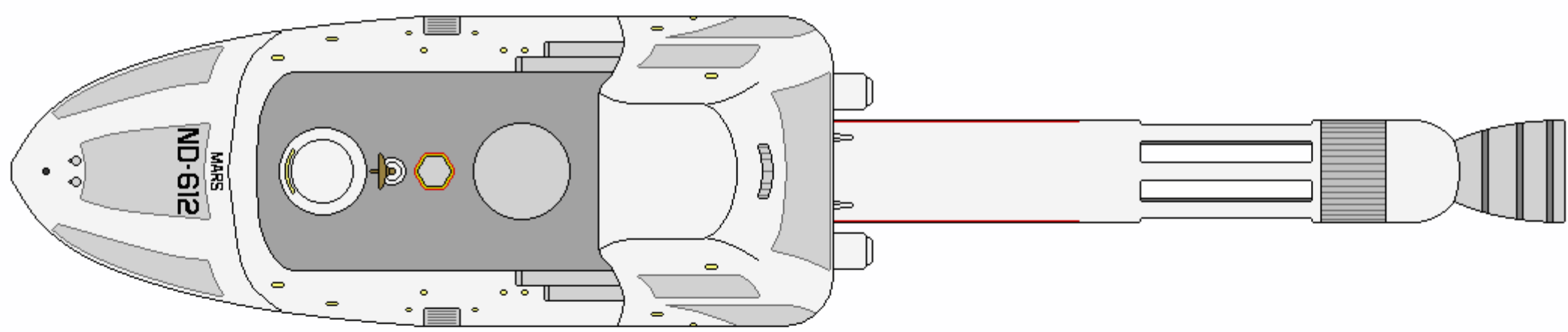
Unfortunately, that proved to be underwhelming when the ships met the Romulans in the 2150s. Though the enemy went unidentified at the time, his shielding proved extremely effective against the UESS Carronade's plasma and phase cannons in the raid upon Defense Outpost 4 in January 2152. Early analysis suggested that a torpedo weapon might be the necessary factor to hammer those shields to the point that energy weapons fire could then penetrate and strike the protected hulls. Since the Cavalry's electroplasma system for the plasma cannons could not be easily swapped out for ones with the capacity to support the higher-output phase cannon, and because they had a higher rate of fire, it was instead decided to swap out the main weapon. Two vessels already under construction, UESS Strachan (ND-610) and UESS Procope (ND-611), had 2 torpedo tubes installed alongside the centerline. The majority of the complement of 24 torpedoes were stored openly in the passageways aft of the tubes, along overhead rails that ran into the bay; taller crewmembers either had to bend down to traverse the passageway or take an alternate route.

The Strachen subclass light torpedo destroyer also saw the addition of additional polarizable armor at three points on the forward section and both pylons. This was the second of eight evolving armor locations the entire class would undertake in order to counter the latest in Romulan firing patterns.

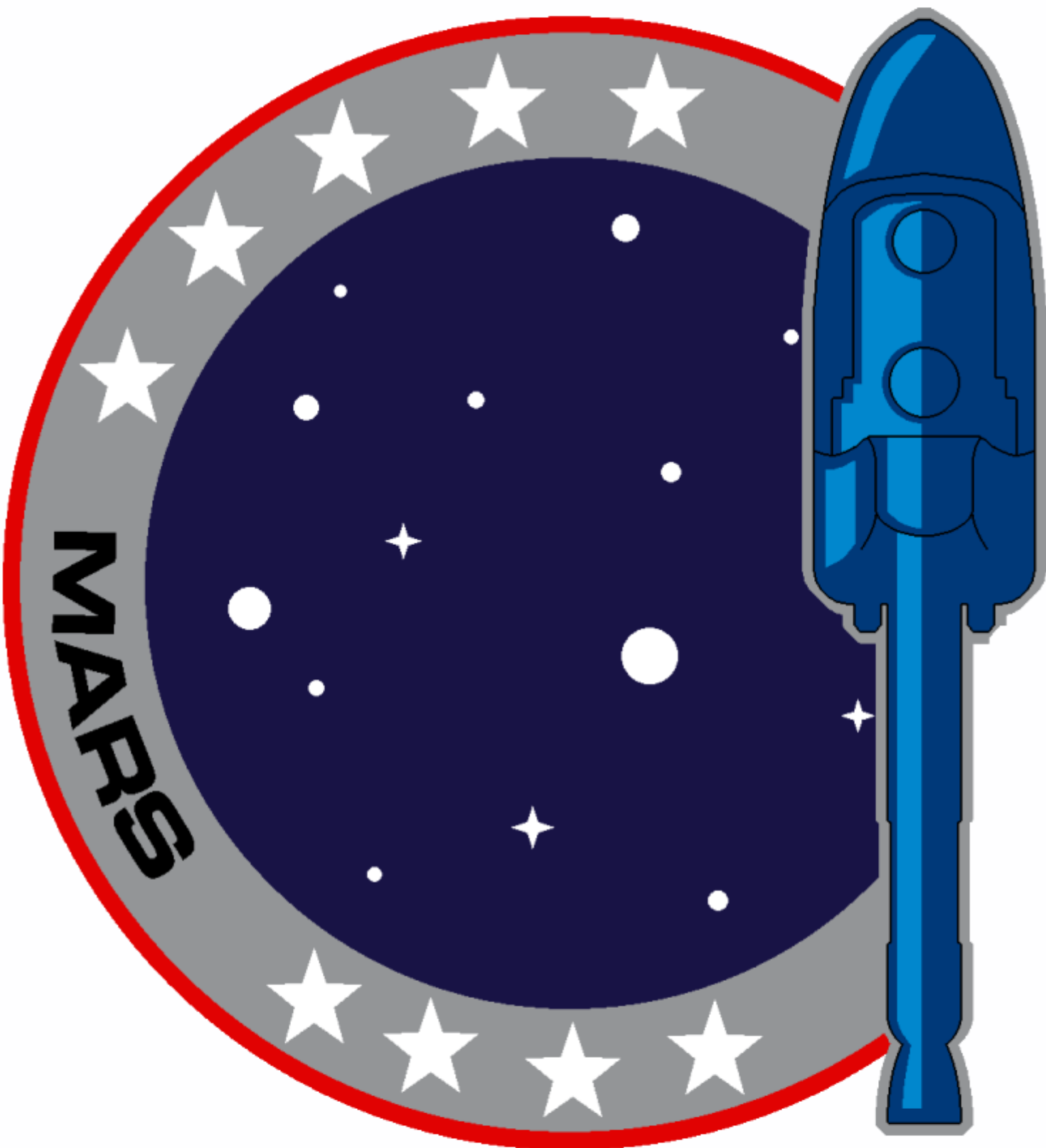




MARS SUBCLASS



MAIN SENSOR DISH SHOWN IN EXTENDED POSITION



CATEGORY: LIGHT TORPEDO DESTROYER
OPERATIONAL: 2154 - 2168
CONSTRUCTED: 17

DIMENSIONS:
LENGTH: 190.0 M
BEAM: 37.8 M
HEIGHT: 50.0 / 55.1 M
MASS: 132,800 MT

PERFORMANCE:
CRUISE: WARP 2 (OCU)
MAX: WARP 3.1 (OCU)
ENDURANCE: 2 YEARS

COMPLEMENT:
OFFICERS: 9
ENLISTED: 75

TACTICAL:
- 4X 800 MW LASER EMITTERS
- 1X TORPEDO TUBE
 (W/ 12 PHOTONIC TORPEDOES)
- POLARIZABLE ARMOR
- NAVIGATIONAL DEFLECTOR ARRAY

AUXILIARIES:
- 2X ATMOSPHERIC SHUTTLEPODS



MARS SUBCLASS
AUTHORIZED CONSTRUCTION

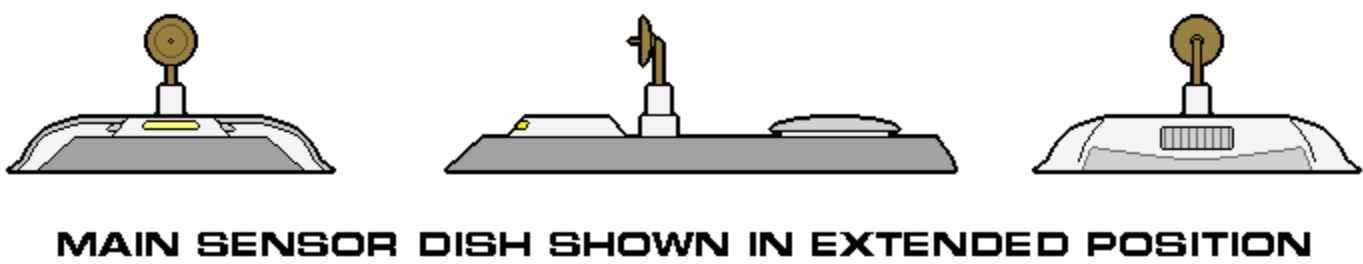
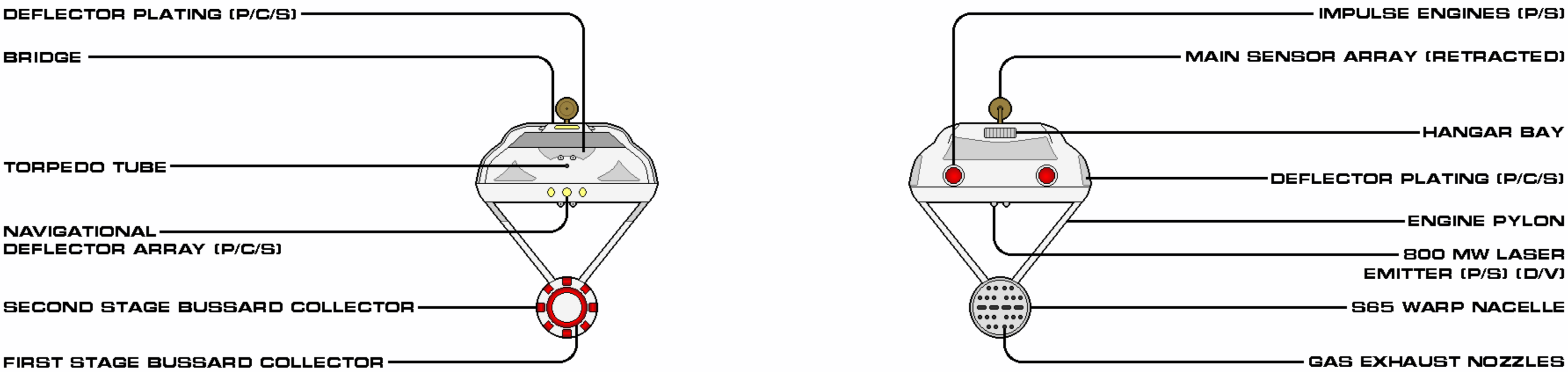
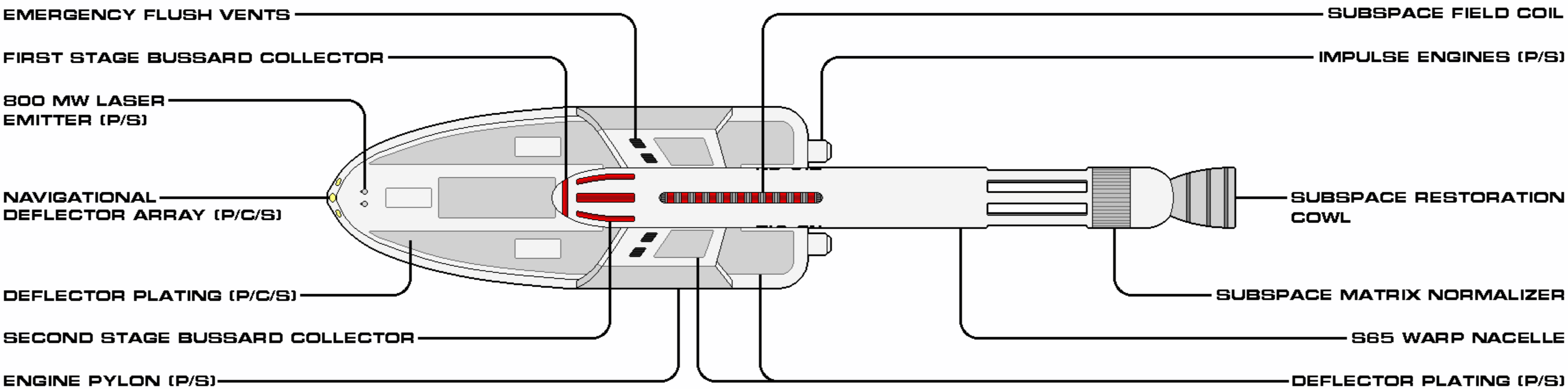
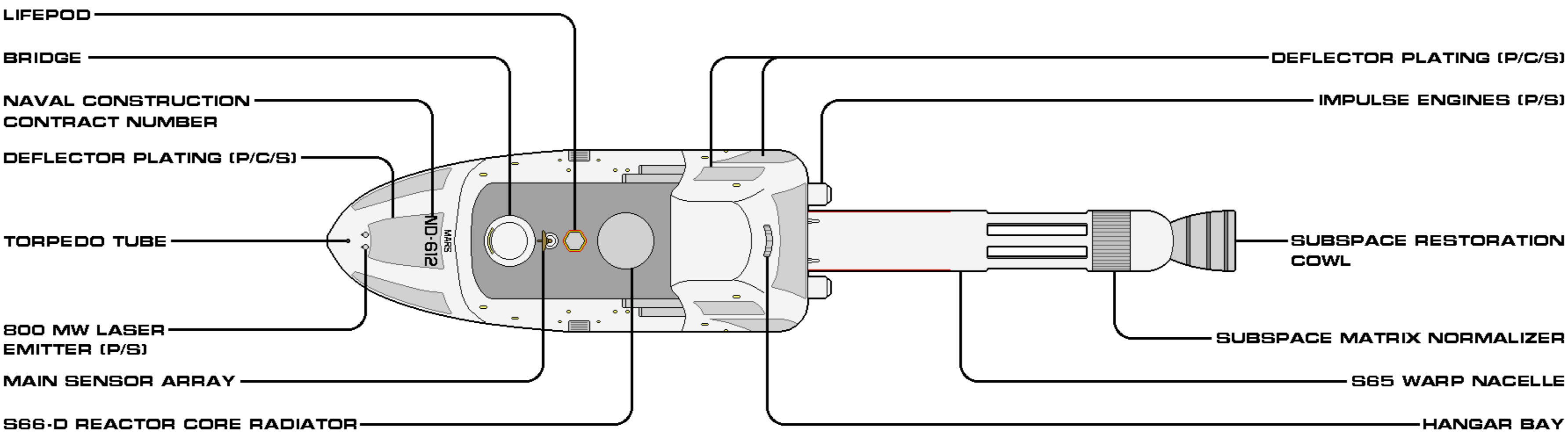
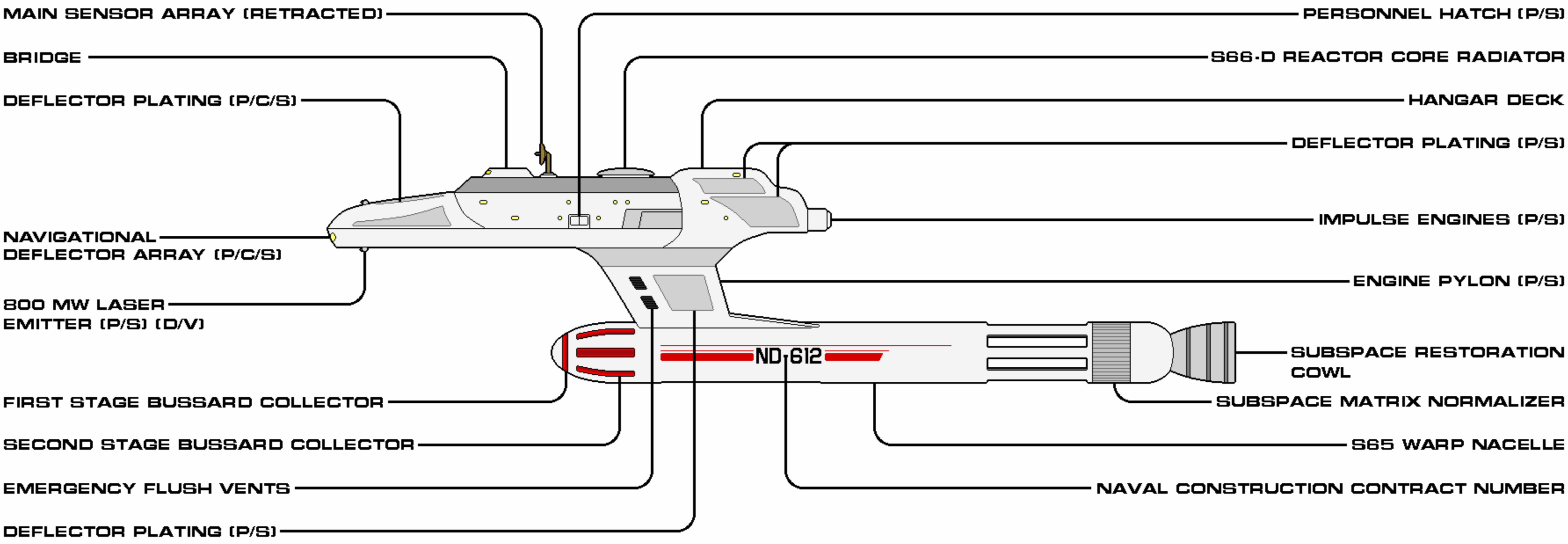
THE FOLLOWING SHIPS WERE AUTHORIZED AS CONTRACTS UNDER THE ABOVE CLASS FOR COMMISSIONED SERVICE WITH THE UNITED EARTH STARFLEET, PER THE RELEVANT ARTICLES OF THE TRAITÉ D'UNIFICATION.

UESS MARS	ND-612	UESS IFRI	ND-621
UESS PHALANX	ND-613	UESS PAEZ	ND-622
UESS JUNDA	ND-614	UESS TLALOC	ND-623
UESS OYA	ND-615	UESS MURAT	ND-624
UESS APEDEMAK	ND-616	UESS SABAZIES	ND-625
UESS SHERIDAN	ND-617	UESS TOHIL	ND-626
UESS OGOUN	ND-618	UESS PATTON	ND-627
UESS MAHER	ND-619	UESS CAVALIER	ND-628
UESS FREYA	ND-620		

GENERAL INFORMATION

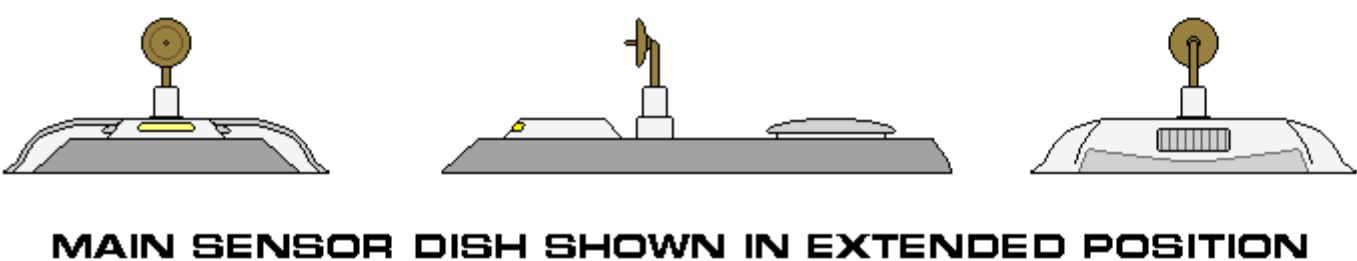
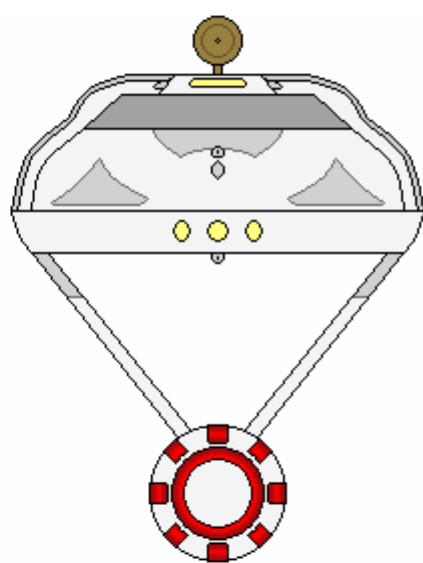
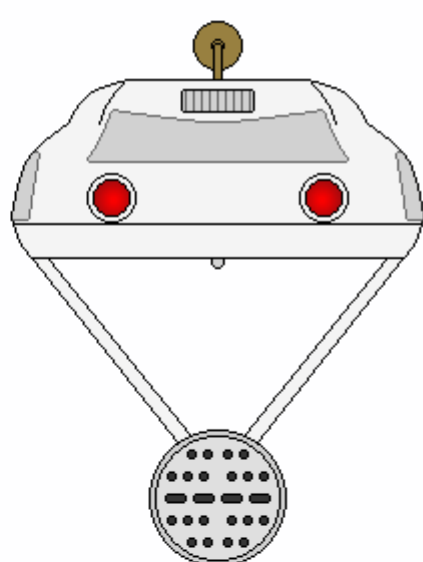
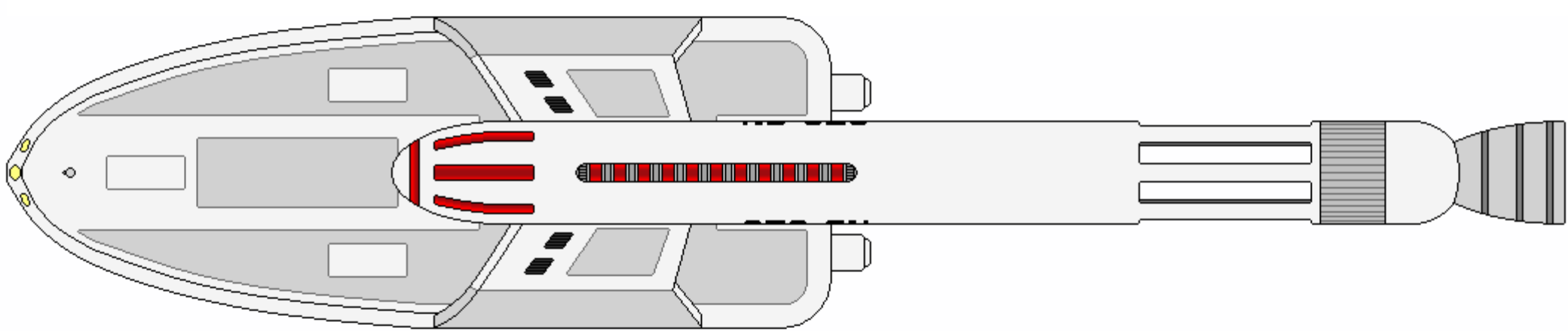
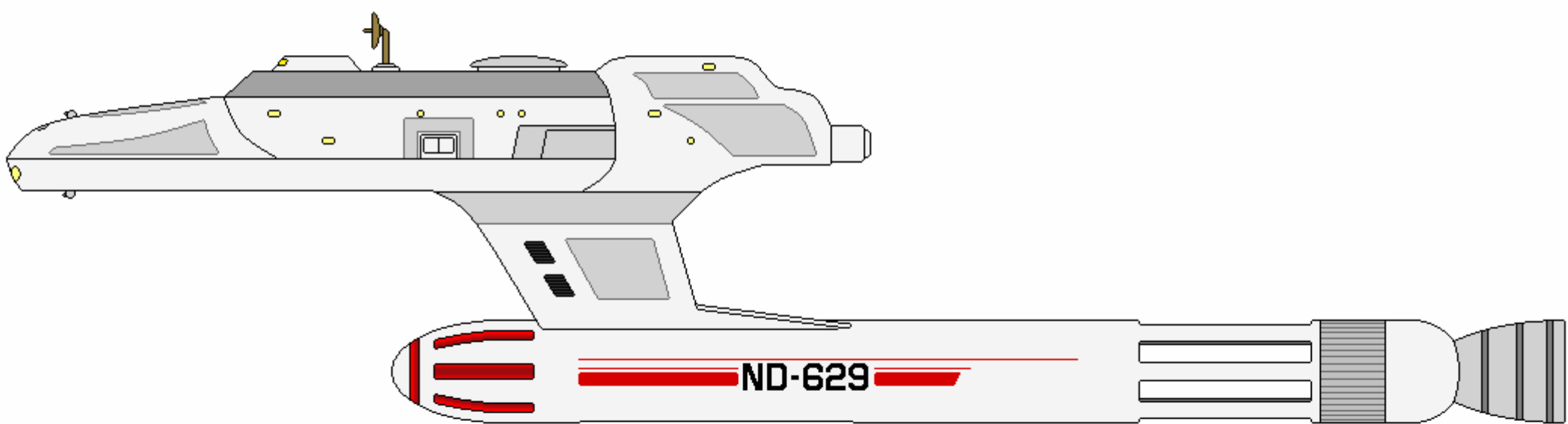
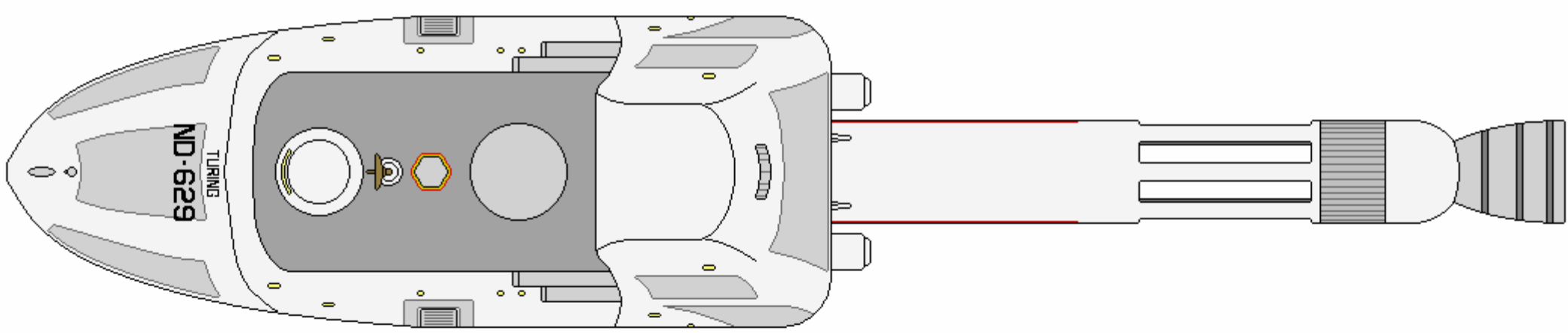
The second full production run of the Cavalry light destroyers (the Strachen subclass being an alteration to the first) was fully influenced by the growing tensions (and associated conflicts) with the unknown Rihannsu. Not only was additional polarized armor installed to cover larger areas exposed to known enemy aim points, but the 4 plasma cannons of the Cavalry and Strachan ships were substituted by advanced warp-accelerated lasers. Though down by one tube in comparison to the second subclass, a dedicated magazine enabled 12 torpedoes to be effectively stored and efficiently primed for combat. The dedicated facility did reduce the overall complement by 50%, but the firing rate increased by almost that same amount, a critical factor in combat that was often timed in mere minutes.

Seventeen Mars subclass light torpedo destroyers were completed between 2153 and 2156, with four additional hulls suspended when it became clear the conflict was rapidly transitioning into open warfare in areas too far-flung for the light destroyers. The last Mars to be built, UESS Cavalier (ND-628), was also the last Cavalry lost to Romulans, heavily damaged well after the September 2060 ceasefire was proposed. The United Earth Starfleet ship crash-landed on a borderline Minshara class planet in May 2161; the crew was rescued in January 2162, unaware of the founding of the United Federation of Planets but soon lauded as heroes in the postwar period of collaborative rebuilding.

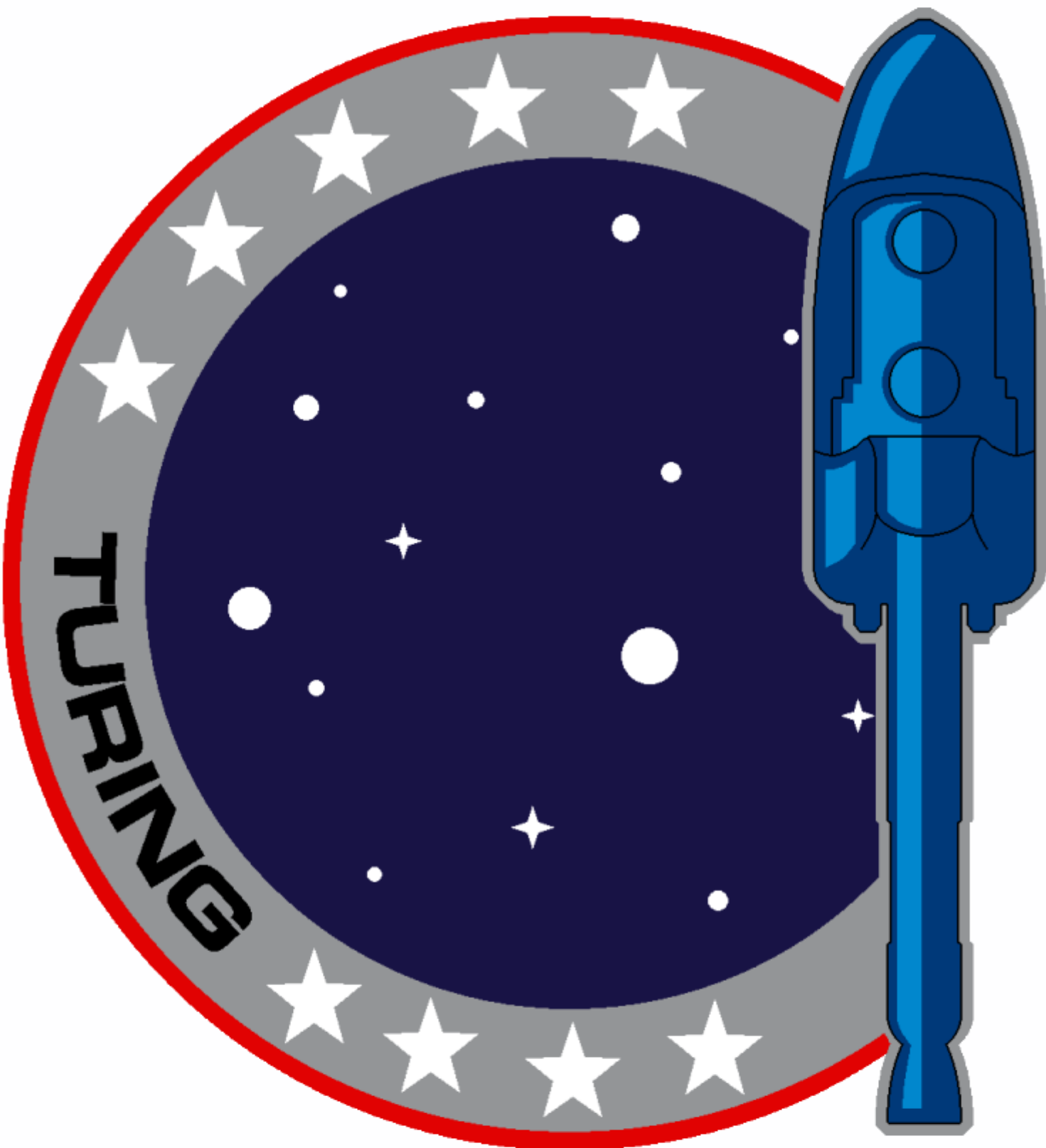


SHEET 1 OF 1	
CLASS CAVALRY	CATEGORY TORPEDO DESTROYER
VARIANT MAR9	CONSTRUCTED 2154
LENGTH 130.0 M	BEAM 31.8 M
HEIGHT 50.0/55.1 M	MASS 132,800 MT
OPERATIONAL 17	RELEASE DATE 2004.20
Authorized for release by Star Fleet Bureau of Starship Construction	

TURING SUBCLASS



MAIN SENSOR DISH SHOWN IN EXTENDED POSITION



CATEGORY: LIGHT DESTROYER
OPERATIONAL: 2160 - 2193
CONSTRUCTED: 4

DIMENSIONS:
LENGTH: 190.0 M
BEAM: 37.8 M
HEIGHT: 50.0 / 55.1 M
MASS: 137,300 MT

PERFORMANCE:
CRUISE: WARP 2 (OCU)
MAX: WARP 3.1 (OCU)
ENDURANCE: 2 YEARS

COMPLEMENT:
OFFICERS: 9
ENLISTED: 89

TACTICAL:
- 2X 800 MW LASER EMITTERS
- 1X TYPE A (500 GW) PHASED PARTICLE CANNON
- POLARIZABLE ARMOR
- 1-LAYER GRAVITON SHIELD
- NAVIGATIONAL DEFLECTOR ARRAY

AUXILIARIES:
- 2X ATMOSPHERIC SHUTTLEPODS



TURING SUBCLASS
AUTHORIZED CONSTRUCTION

THE FOLLOWING SHIPS WERE AUTHORIZED AS CONTRACTS UNDER THE ABOVE CLASS FOR COMMISSIONED SERVICE WITH THE UNITED EARTH STARFLEET, PER THE RELEVANT ARTICLES OF THE TRAITÉ D'UNIFICATION. ALL VESSELS WERE RE-DESIGNATED WITH THE PREFIX "USS" UPON THE FORMATION OF THE UNITED FEDERATION OF PLANETS STAR FLEET.

UESS TURING	ND-629	UESS NICOMEDES	ND-631
UESS POISSON	ND-630	UESS LANTZ	ND-632

GENERAL INFORMATION

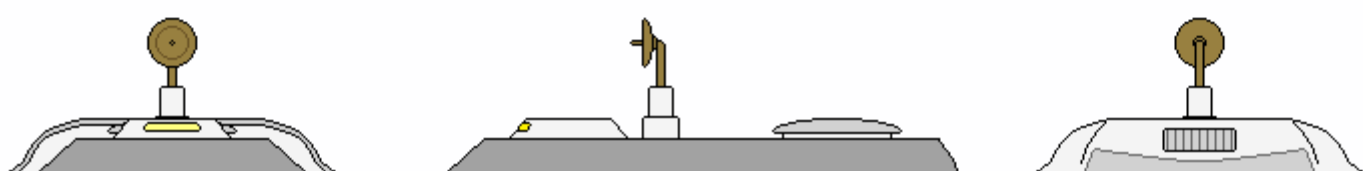
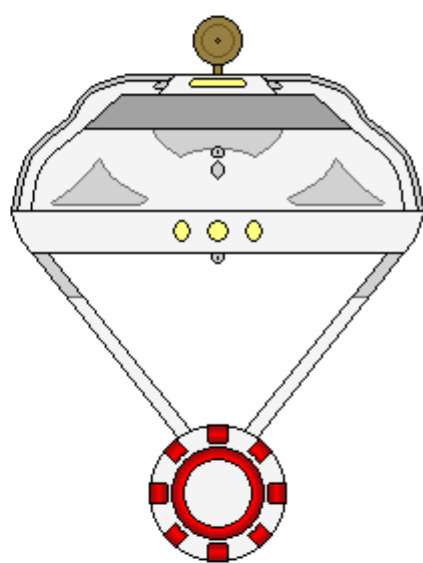
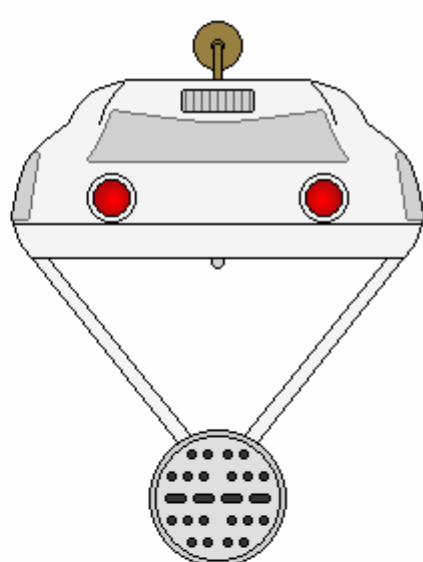
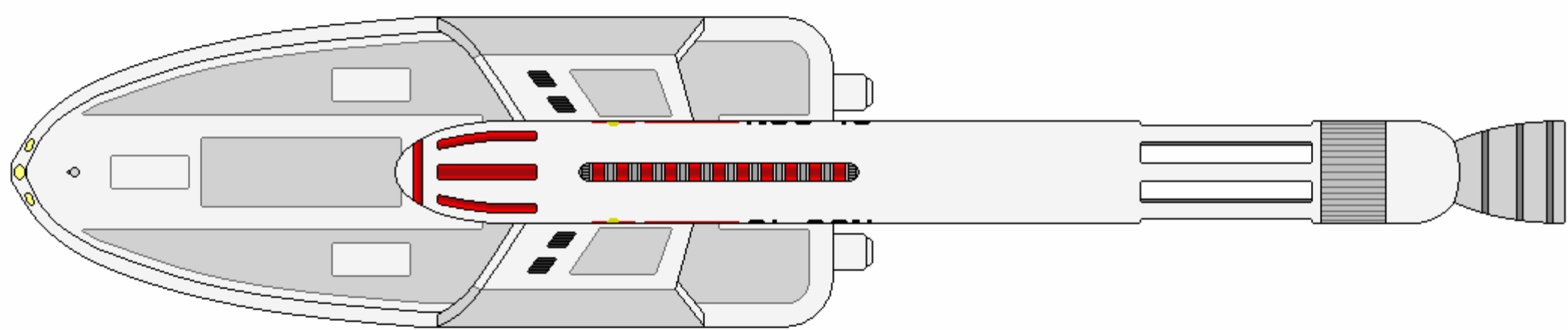
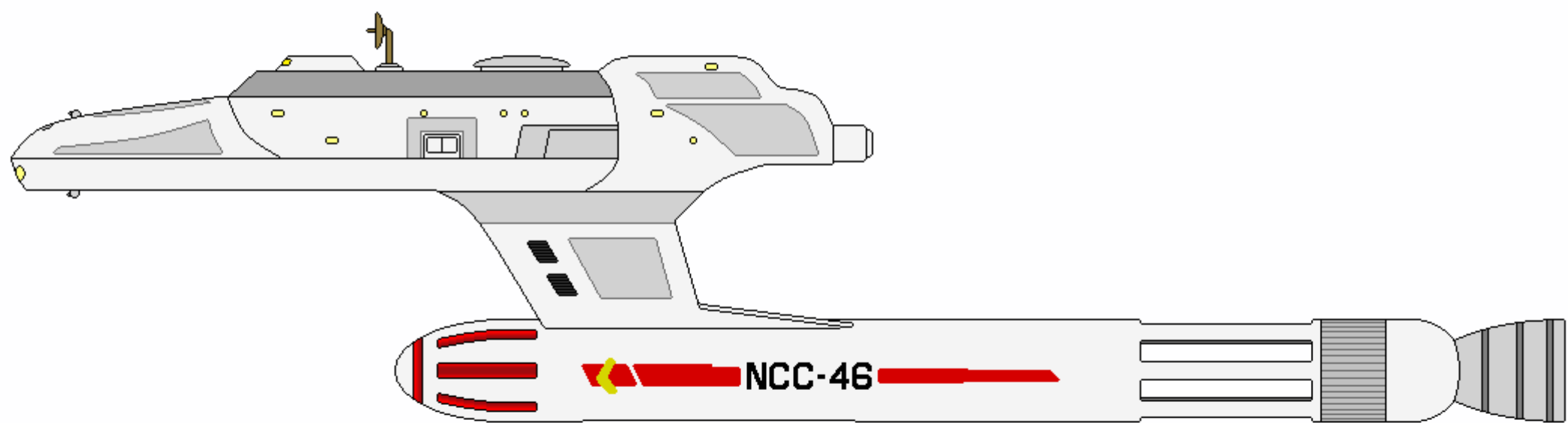
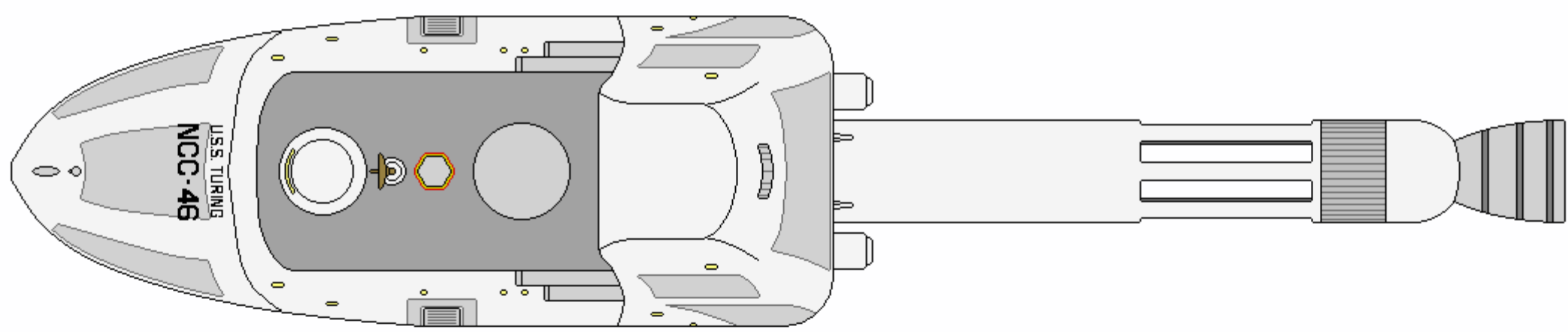
Four Mars light torpedo destroyers, previously mothballed in an incomplete state in 2156, were commissioned in 2160 with advanced sensors and graviton shielding, in order to fulfill a long-range armed reconnaissance role. Because of their extremely low cruise speed (warp 2), they were not rolled up into active task forces, but instead sent on solo missions to seek out Romulan activity in low-threat areas. Due to the large amount of internal space required to support the sensors' computing and added defensive systems, the ships were armed with only two 800 MW laser emitters and one central 500 GW phased particle cannon, a throwback to the first Cavalry. It was understood these were peashooters when compared to the Romulan warcraft, but it was a reminder to these commanding officers—generally alumni from other ships in the series—that they were there to find, report, and get the hell out of Dodge. It could be presumed that this message sunk in, but in reality the ships were barely activated before the ceasefire proposals started winging their way through subspace.

The armor placement depicted on the Turing image here represents the last one presented on all ships of the Cavalry class; Romulans had discovered that the Deck 3 personnel hatches had inherent structural weaknesses associated within the bulkheads supporting the atmospheric pumps for the airlocks. The Turings left drydock with an armor configuration intended to rectify that vulnerability.

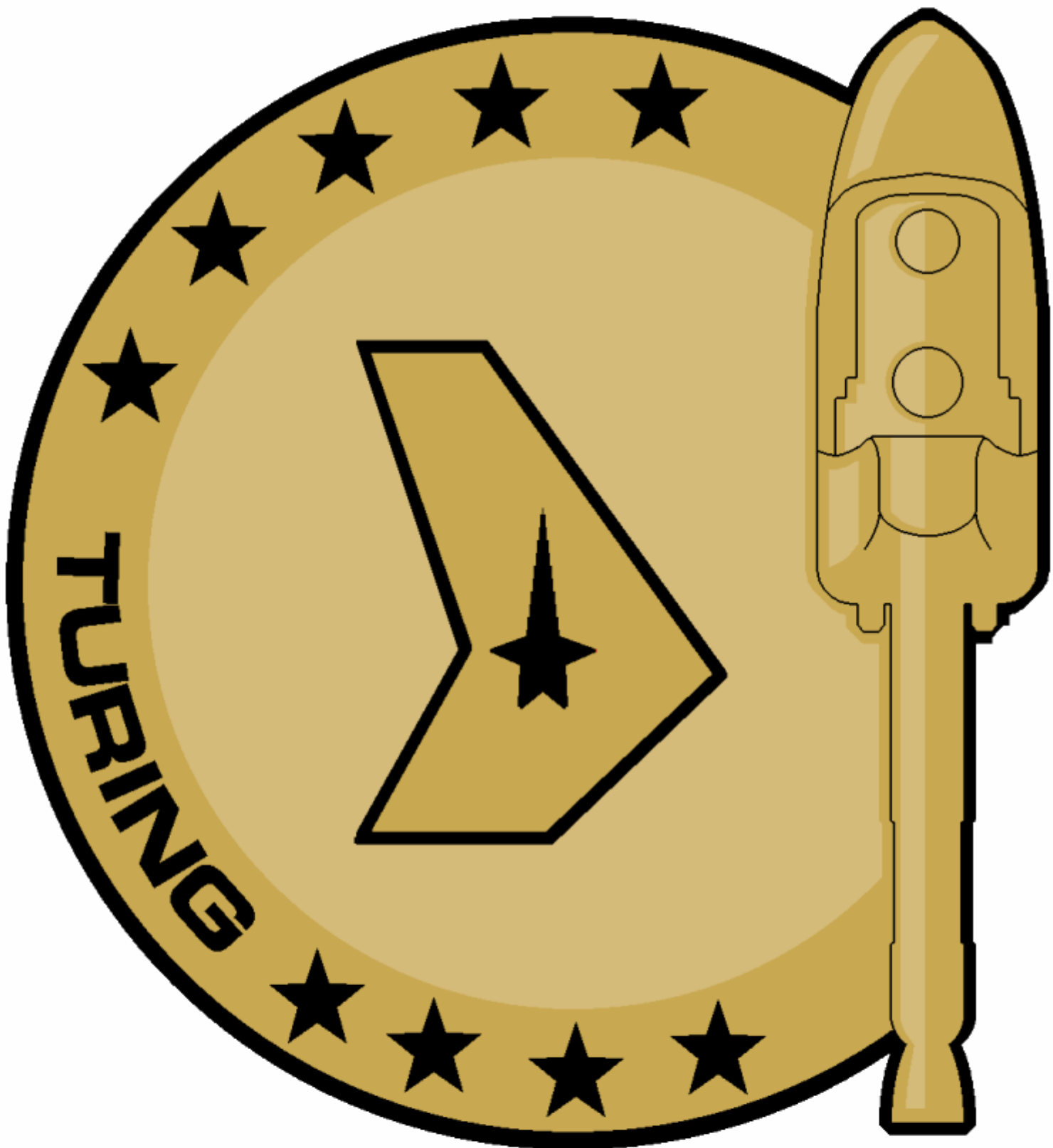
One other way these ships stood out from their predecessors was in their incorporation into the UFP Star Fleet, an honor not afforded to any other Cavalry, Strachan, nor Mars. While the Turing light destroyers served admirably in the next conflict to also end in a draw—against the Tarn in 2162 through 2164—the first three subclasses in the Cavalry series were partially sold to other local UFP navies. As within the newly re-titled Earth Fleet, the small warships served as gapfillers until more advanced defensive craft were produced, though no later than 2168. The Turings, however, filled an early exploration role for that respective command, until being decommissioned in 2193.

As aficionados of early Star Fleet well know, the five founding members of the Federation each took responsibility for developing one major division of the newly unified Star Fleet. The Exploration Command, as represented by the Human's United Earth Space Probe Agency (UESPA), was overseen by the senior officer of the (now former) United Earth Starfleet, Admiral Samuel Gardner. It was his decision to incorporate a blocky variation of the UESPA warp delta into the command insignia, as utilized in the Turing class patch.

TURING SUBCLASS
GENERAL INFORMATION (CONTINUED)



MAIN SENSOR DISH SHOWN IN EXTENDED POSITION



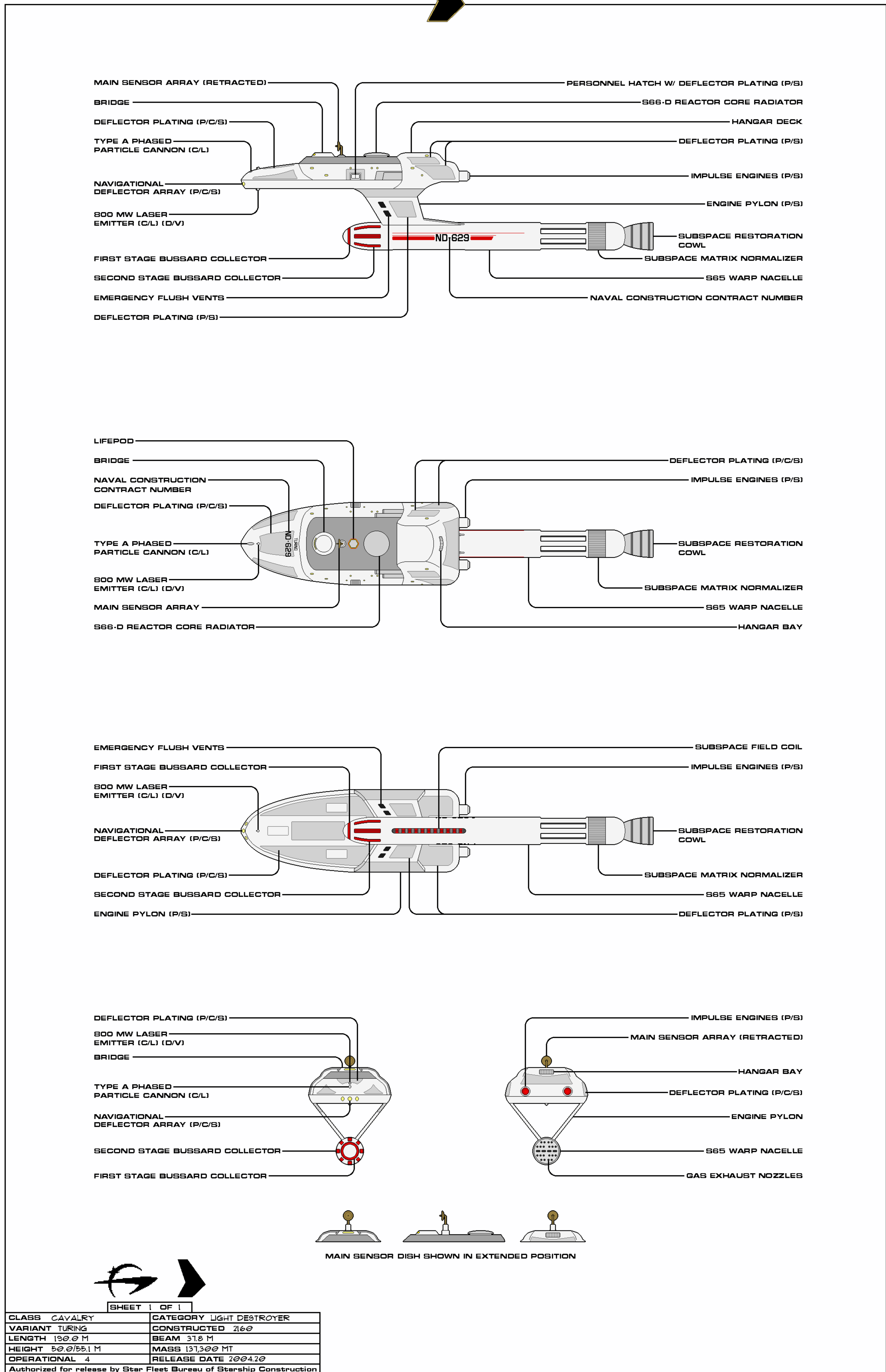
USS TURING IN UFP STAR FLEET LIVERY

USS TURING
USS POISSON

NCC-46
NCC-47

USS NICOMEDES
USS LANTZ

NCC-48
NCC-49





CLASS TIMELINE

2150

Construction begins on the first of the Cavalry class light phase gun destroyers.

Two Dnestr class commercial transports are purchased for Calvary class light destroyer crew training duty, and modified internally to provide a more destroyer-like service environment.

The last holdouts from the Traité d'Unification—including Australia, China, and the United States of America—sign on, solidifying United Earth's authority over the entirety of the planet.

The Gradualist party enjoys a political victory.

Shipboard phased particle beam weaponry is introduced.

2151

An alien courier ship crash lands on Earth, bringing with it the first known Klingon to visit the planet.

The UESS Enterprise (NX-01) launches on its first mission of exploration.

The true fate of Terra Nova is first uncovered when explorer Enterprise pays the world a visit.

Earth and Andor have first contact.

UESS Intrepid (NC-170, Messier cruiser), commanded by Captain Henry McKenna, is the first Earth ship to report back on a Rihannsu raid. She recovers the wreckage of civilian Earth liner SS Diana and finds evidence of the previously unknown attackers' identity. However, the full evidence never makes it back to Earth, as the Intrepid is lost somewhere near Tau 1 Eridani soon afterward.

Exercise Deep Sentry is held.

Increasing Klingon aggression causes the UESF to again briefly reconsider using Ganges class destroyers for convoys.

The Cavalry class light phase destroyer enters service with the UESF.

2152

The Romulans raid Defense Outpost 4 and the UESS Carronade (ND-601, Cavalry light phase gun destroyer) barely survives the encounter. The identification evidence is initially mistranslated.

The explorer UESS Enterprise (NX-01) encounters a Rihannsu wide patrol in the process of fortifying a recent conquest at Theta Eridani (though their identity is unknown at the time).

Due in large part to the number of battles the explorer UESS Enterprise (NX-01) has been involved in, all unarmed exploration vessels (including those of UESPA), are hastily recalled over the next two years.

Deserted Weytahn is re-occupied by Andorian forces, prompting a military reply by Vulcan. An ownership agreement for the Andorians is mediated by Earth.

Construction begins on what will be the first of the Strachan light torpedo destroyer subclass.

2153

The UESS Laing (SV-53) is lost on an arctic assignment to an alien force only much later identified as the Borg.

Earth is attacked by a superweapon from the Delphic Expanse, launched by the Xindi. The attack decimates a large area between Florida and Venezuela, killing seven million people.

Explorer UESS Enterprise (NX-01) returns to Earth.

The UESS Intrepid (Triton heavy destroyer), in the first major human-Klingon naval confrontation, challenges and defeats three Klingon Birds of Prey.

Andorian battle cruiser Kumari engages in the hunt for the Xindi civilization.

Construction begins on the first of the Mars light torpedo destroyer subclass.

UESS Strachan (ND-610), a torpedo variant of the Cavalry class light destroyer, enters service with the UESF.

The final Cavalry class light phase gun destroyer is completed.

The final Strachan subclass light torpedo destroyer is completed.

2154

The Earth embassy on Vulcan is bombed by Romulan agents.

Lunar One Colony becomes the largest municipality on Luna.

New Chicago is founded on Luna, across Armstrong Lake from Armstrong Colony.

The first Mars subclass light torpedo destroyer enters service with the UESF.

2156

The Berengarian counteroffensive denies the Romulans a swift and categorical victory. Seven Daedalus corvettes are lost during the operation.

The Andorian Empire formally withdraws from any conflict with the Romulans.

The first of six Mercury class scouts (in one year) is lost, presumably to Romulan action.



CLASS TIMELINE

Admiral Rex Gunther, aboard his flagship, meets a solitary Romulan U-13 class cruiser near Eta Leonis VI. Instead of attacking, Admiral Gunther follows United Earth Council President Thorpe's instructions, opens known Romulan hailing frequencies, and warns the invading ship of his orders. Gunther gives the Romulan government six months to respond. Otherwise, it means war. Though the Romulan ship does not communicate, it is permitted to depart with the warning. This marks the sole meeting of Earth and Romulan warships without bloodshed on either side.

Since Admiral Gunther issued his warning, at least one allied warship has remained in the vicinity of Eta Leonis VI, awaiting a Romulan response. The USS Patton, a brand-new Marshall class destroyer, is the ship on picket duty when three U-15 class cruisers close and, while decelerating, open fire. The Patton's Captain Joseph Spadora makes one transmission before a single guided missile hits the side of the ship, totally disintegrating it. Spadora's message is received by other vessels in the area and relayed throughout the Federation. The Romulans' intentions are clear, and war is officially declared.

Earth attempts to persuade Andor to commit to a policy of mutual defense in the developing conflict against the Romulans, sending Admiral Palmieri onboard USS Fomalhaut to open discussions. As a result, covert aid to Earth was granted, until they overtly rejoined the conflict in 2159.

USS Kaiser (FC-87) is lost to structural failure during Exercise Deep Vigil.

On the most endangered shipping lanes, convoying is changed from constant escort to relay tactics.

The final ship of the Mars light torpedo subclass is completed. Four other Mars hulls are suspended and mothballed.

The first of a series of refits for the Cavalry class light destroyers, where transporter systems are first installed, begins.

2159
The period of the great offensive towards the heartspace of Earth and its allies by Romulan forces evolves into a war of attrition, as Earth and her allies begin offensive maneuvers.

One UESF battle group, consisting of the elderly Earthships Halsey, Gorshkov and Yamamoto (all Messier cruisers) and their escort destroyers and frigates, accidentally manage to locate a Romulan fleet stocking point at a distant unnamed star system in the Triangulum Australe region (in the Sierra sector). By wreaking havoc on dozens of dormant Romulan ships, the group halts the Romulan offensive before it reaches the fringes of Earth colonization zones or the worlds of its neighbors (and future allies). However, the self-destruction of the Romulan base cripples many of the human vessels. Later, the battle group is attacked several times, and only

UESS Gorshkov and one frigate are capable of limping home. The war is far from over. A bitter point has been learned: the Romulans will acknowledge no other form of combat than a fight to the death, be it as individuals or as a species.

The Andorians re-enter the Romulan War, providing Thofsin class cruisers to operate alongside Earth and Tellarite ships.

The lack of clear Romulan targets to strike is a cause of "desperation" for the UESF.

Romulan light units blow up the orbital Spaceport Vega and retreat before the local Clark space tanks have a chance to concentrate their fire. The UESS Sapporo (Athens courier) is destroyed in the attack.

Two Romulan cruisers are immobilized and prompted to self-destruct, a third destroyed outright, and the invasion of Vega is averted, with the loss of four Clark class space tanks.

Construction resumes on four mothballed Mars hulls.

2160
Lalande 8 is saved by the USS Tanganjika (FF-477) when it lures a suicidal Romulan auxiliary carrier into ramming an abandoned mining station instead of the mining colony.

Starbase Two comes on-line, with a large amount of medical expertise incorporated in the design.

USS San Esteban (NF-491) is the only UESF ship lost with all hands in the final Romulan plunge at Alpha Omega B, taking with her two Romulan stormwings but unable to prevent the massacre of more than 20,000 people on the planetary settlement.

Construction on the Victory class battle cruiser prototype being built at Kaleb is halted, due to combat at nearby frontlines, while the hull is transferred to Andor.

Four unfinished Mars subclass light torpedo destroyers are completed with shield generators, warp-accelerated lasers, and advanced sensors for long range armed reconnaissance, as the Turing light destroyer subclass.

A Doppler class scout reports the discovery of a frontline Romulan command center in the Cheron system.

Two days following the relay of the report of the frontline Romulan command center in the Cheron system, UESF Forward Observation Outpost 22 is destroyed.

Romulans attack Draylax, using a warp-speed kamikaze run, causing massive fires and volcanic eruptions all over the planet. Over a billion Draylaxians are killed, and more deaths are expected.

Starbase Three comes on-line.



CLASS TIMELINE

The Battle of Gamma Hydra ends with a Terran victory, although Admiral Larson is compelled to leave the UESS Kirov and UESS Kerry behind, along with 200 crew, in order to consolidate dilithium for the remaining three Achilles cruisers and two Enterprise explorers.

The Battle of Cheron marks the last major battle of the Romulan War. It is fought in Romulan space between two squadrons of allied ships and remnants of four Romulan groups. The Enterprise explorers draw the Romulan capital ships away, after which the seven Christopher light cruisers make their attack run within the 83 Leonis system. The battle ends inconclusively, with neither side having any combat-capable ships remaining. This battle marks the allies' last opportunity to organize a fleet strong enough to reach the supposed location of the Romulan homeworld. It is considered a victory nevertheless, because the Romulans lose more than the allies, with the destruction of the frontline command center and the loss of the entire Romulan subspace communications network in sectors 23 through 28. The Andorian Imperial Guard strikes against Barradas and Draken near simultaneously.

The Romulans send an offer for truce through subspace radio. Romulan ships everywhere disengage, withdraw several parsecs and wait for news of peace negotiations. These soon began under the leadership of Council Member Abraham Dannon.

The Romulans communicate with the Earth government and insist on additional terrestrial gains for the Romulan Star Empire. In exchange, they are willing to accept higher restrictions on Neutral Zone outposts. Dannon reluctantly makes many of the necessary concessions, and United Earth Council President Thorpe ratifies the completed Treaty of Peace. The treaty is transmitted to the Romulan Star Empire.

The Romulan War allies and the Vulcans agree to form the United Federation of Planets in the following year.

2161

The Imperial Senate of the Romulan Star Empire broadcasts its ratification of the Treaty of Peace on all subspace frequencies. The message is picked up by allied starships along the border, and the treaty terms go into immediate effect. After 29 years of piratical attacks, open warfare, and staggering losses on both sides, the Romulan War is finally over.

UESS Cavalier (ND-628, Mars light torpedo destroyer) is shot to pieces well after the official declaration of ceasefire and limps to a crash landing onto an unexplored, barely M-class world.

The Articles of the Federation are signed by United Earth, the Confederacy of Vulcan, the Andorian Empire, Tellar, and Alpha Centauri in San Francisco, officially establishing the existence of the United Federation of Planets.

The UFP Star Fleet is founded, as well as is the Committee for Star Fleet. All vessels transferred to the organization are re-designated as USS (for United Star Ship).

The United Earth Starfleet changes it's official organization name to Earth Fleet.

The Star Fleet Ground Attack Marines is officially formed from the (participating) naval infantry of the UFP founding members.

The Ganges class destroyers are pressed into patrolling the newly-established Neutral Zone, while a few others patrol intra-Federation spacelanes or provided system defense.

The role of desperation in Earth's starflight programs is greatly reduced, and specie-ism is receding as well. The survey cruiser project is back on full speed, and expert opinions are collected.

The first of the remaining first flight Cavalries is sold to member navies of the UFP.

Vulcan Ambassador Solkar is replaced by Ambassador T'Jan, marking a transition to an era of openness and equality in Earth-Vulcan relations.

The light cruiser Piranha and the transport vessel Roy Malcolm are dispatched to the Gamma Hydra system to rescue the stranded UESS Kirov and UESS Kerry (both Achilles class cruisers), but are unable to locate the vessels nor their crews.

The Vulcan High Command begins pulling back its deep space patrol fleet.

Vulcan indicates that it will not provide any of its warp 7-capable capital vessels to either the Defense nor Exploration Commands, as a means to promote a de-escalation policy. Earth Fleet, in response, agrees to transfer the Columbia class Endeavor to UESPA for exploration purposes.

Star Fleet Academy is established in San Francisco.

2162

The surviving crew of UESS Cavalier (ND-62, Cavalry class), is found alive and in good health by USS Lorelei (Helena class). Their recovery is a long-awaited positive media event in the middle of the postwar atmosphere of disillusionment, ambiguity and anxiety.

The first class of Star Fleet Academy convenes amongst the under-construction campus in San Francisco.

A conflict erupts with the Tarn, when a Star Fleet vessel is attacked and over 200 crew are killed.

Work progresses on shield/warp field integration, at first on the Triton fleet, then on the new human flagship, USS Endeavour (NCC-06, Columbia class).



CLASS TIMELINE

The USS Verdun and USS Constantine, both Messier cruisers, are pressed to duty against the Tarn. Both disappear: the Constantine without a trace and the Verdun until 2366.

The last Messier cruiser to be retired, USS Braxton (NC-195), is on her way to be preserved in the recently founded Star Fleet Museum when her warp drive system creates a catastrophic asymmetry and tears the ship into pieces. The skeleton crew of fifteen is killed instantly.

Earth Councillor Dannon is assassinated while making a pacifist speech on Federation grounds in San Francisco.

The newly upgraded USS Endeavour (NCC-06, Columbia class) heads out on a sweeping mission of frontier diplomacy in the Tandar-Rigel flank of the nascent Federation.

2164
After sensor data from the SS Tupac Amaru, the sole survivor of the convoy to Earth Colony Six, is properly re-analyzed, the raid is properly attributed to the Romulans.

The Tarn conflict is resolved via negotiation. The Tarn establish a No-Entry Zone around their worlds and cease all communications with the outside galaxy, until 2366.

Star Fleet asks the Vulcans to consider the construction of markedly larger scoutships.

The last of the Cavalry class light phase gun destroyers is sold to member navies of the UFP.

2165
USS Horizon (NCC-176, Daedalus survey cruiser), fresh from her post-war refit, embarks on the beginning of what will be a three-year deployment (ending in her destruction after departing Iotia).

The star Phi Puma goes nova. It is soon realized the 10 million inhabitants of Bayard's Planet are in danger and will need complete evacuation by 2221.

The last of the Strachan subclass light torpedo destroyers is sold to member navies of the UFP.

2168
The last of the Mars subclass light torpedo destroyers is sold to member navies of the UFP.

The UFP extends membership to Aurelia.

The dilithium foci of the USS Prospect (Triton cruiser) shatters, killing Commodore Arkadi Lunov, the last surviving cruiser commander of the legendary 'escape velocity' era.

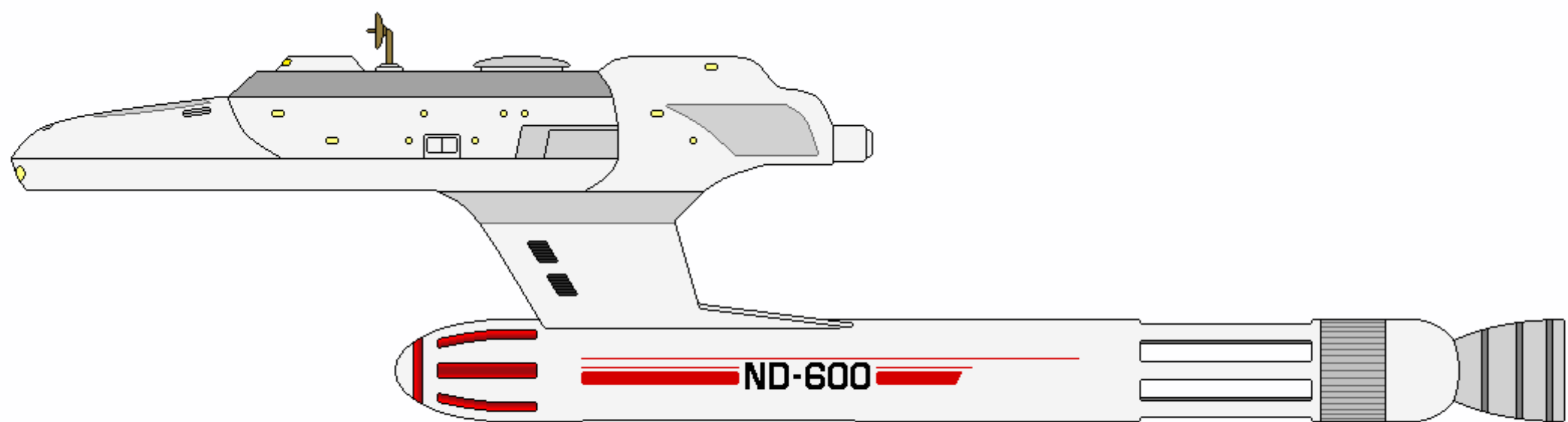
2193
The last of the Turing light destroyer subclass is withdrawn from Star Fleet service.

USS Icarus (NCC-263, Placido surveyor) is the first to establish contact with a winged-and, indeed, truly airborne-sentient humanoid species on Alpha Virginis II.

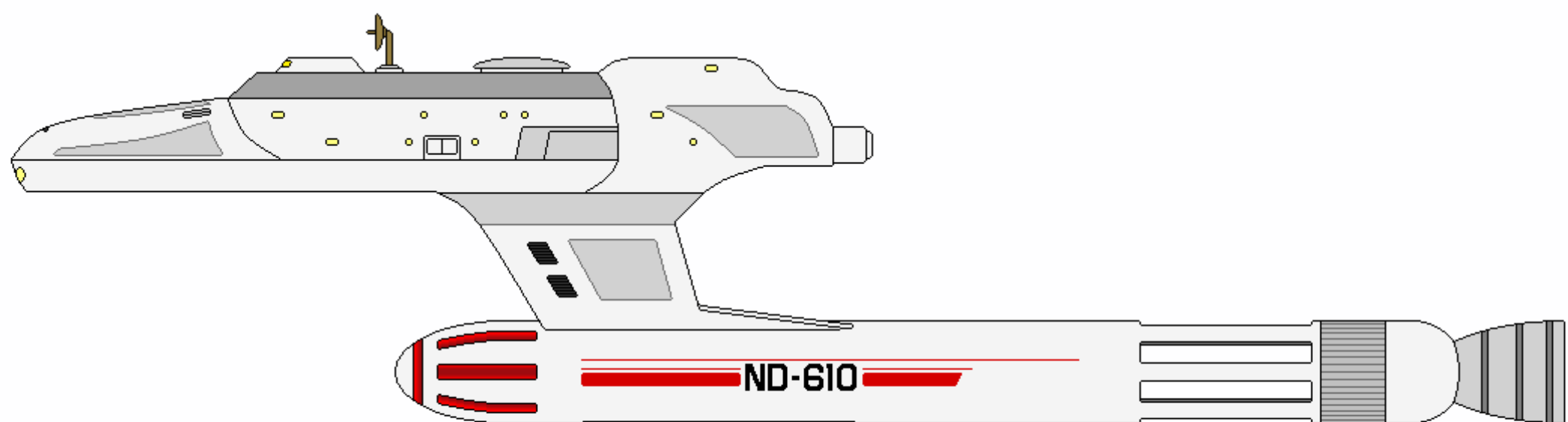
The Engineering Division is now planning ship classes two generations ahead of the current Fleet assets.

Spacedock One is completed and operationally replaces Earthbase One above Earth.

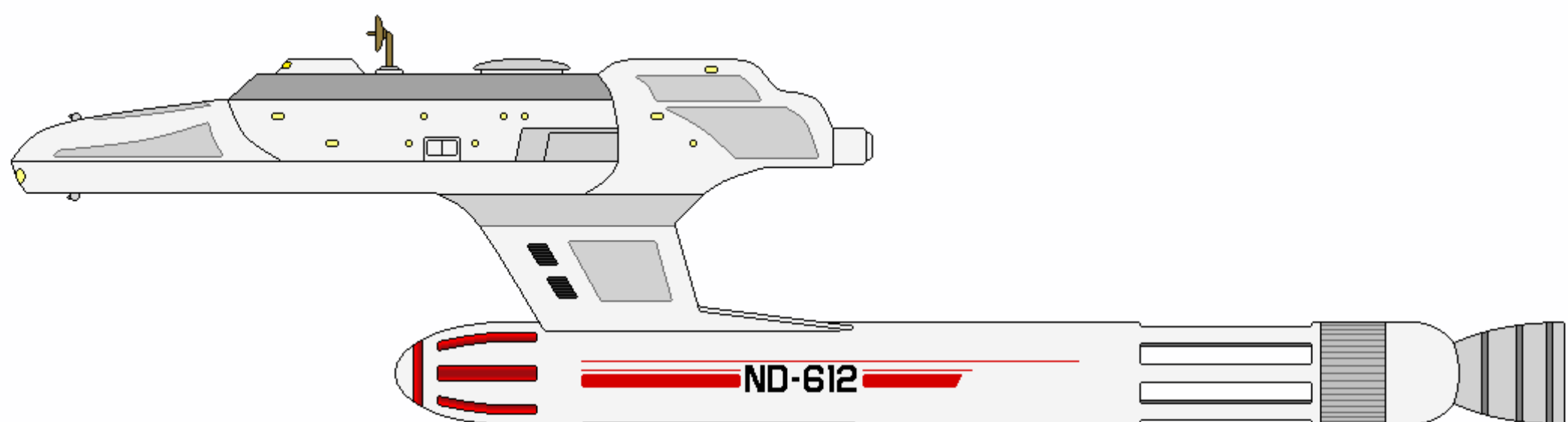
STARSHIP COMPARISON GUIDE



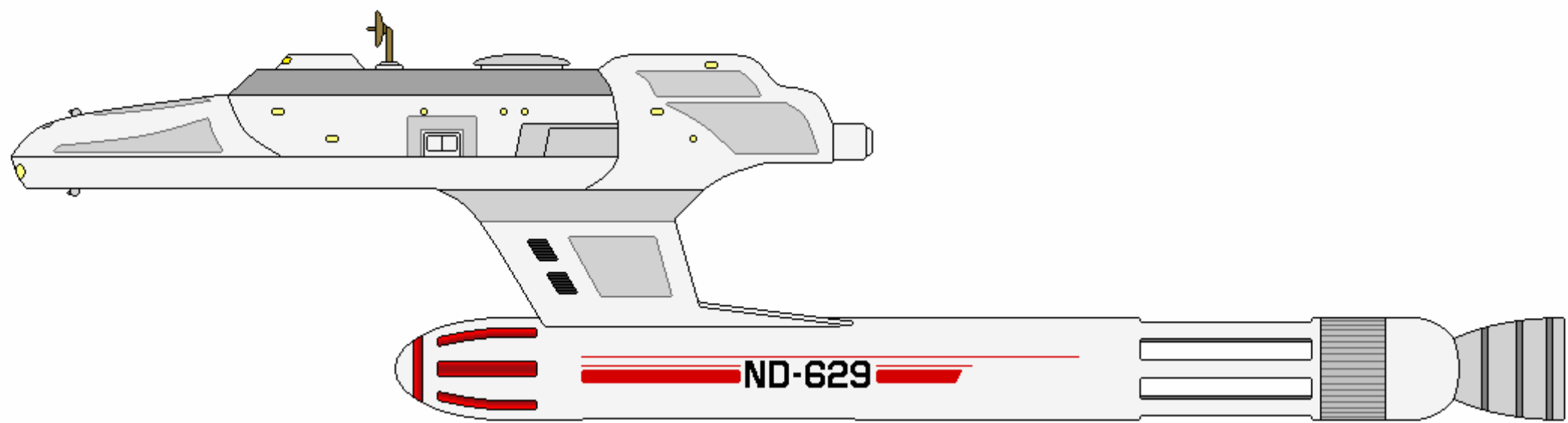
CAVALRY
LIGHT PHASE GUN DESTROYER



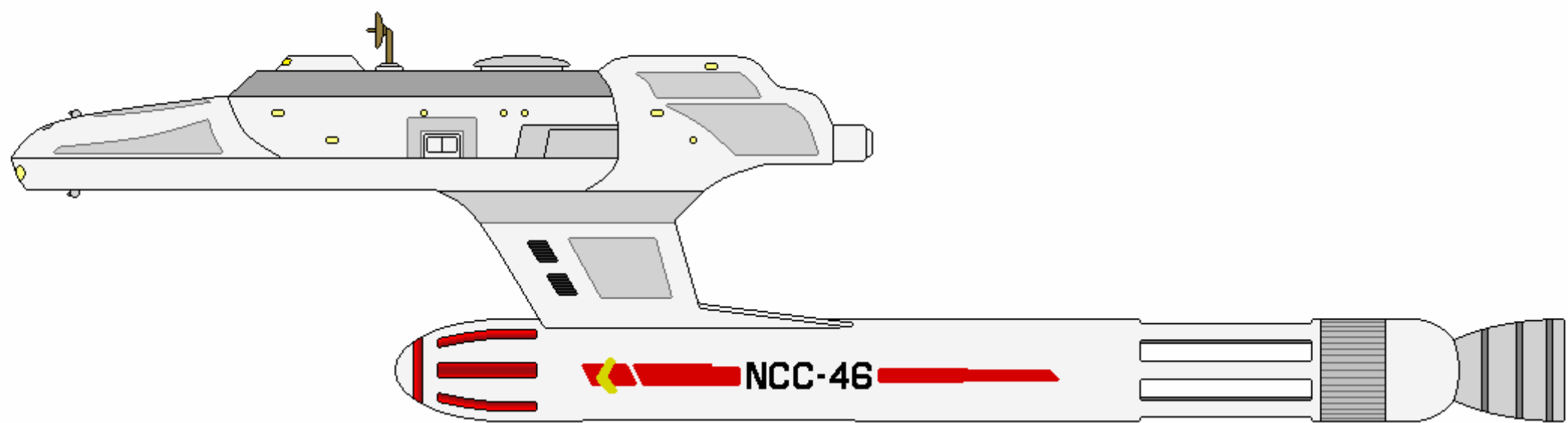
STRACHAN
LIGHT TORPEDO DESTROYER



MARS
LIGHT TORPEDO DESTROYER



TURING
LIGHT DESTROYER



TURING (UFP STAR FLEET LIVERY)
LIGHT DESTROYER



GLOSSARY

Array: Generally, a combination of identical sensors, weapons, or other equipment operating in conjunction.

Barge: one of several differing types of vessels, including 1) a low-warp bulk carrier designed to transport unpackaged bulk cargo; 2) an orbital-to-atmosphere combat lander, usually heavily armored and lightly armed, to transport large troop formations into defended surface areas.

C/P/S: Centerline/Port/Starboard (see P/S).

Class: a production run of vessels all to identical (or nearly identical) standards. Ex: the Constitution class

Corvette: Small warp-capable ship dedicated to local patrol, law enforcement and community service missions. Sometimes landing-capable, not dependent on starbase facilities for support.

Cruiser: A medium multi-purpose starship. The largest exploration vessels until the early 24th century, when relegated to other duties with the introduction of large Explorer starships.

Deep space: The region near or beyond the recognized borders of the Federation, often uncharted in any considerable detail.

Destroyer: A medium offense starship intended for destroying enemy capital ships and installations, as well as conducting fleet escorts.

ECS: Earth Cargo Ship, a prefix for vessels flagged under the governing authority of the Earth Cargo Service.

ELRS: Extreme Long Range Sensor

Flight: A modification to a class of ship intended to be incorporated by most or all members of that class.

Flitter: an extremely low-altitude planetary personnel and freight vehicle, utilizing anti-grav hover equipment. Larger vehicles might resemble wheel-less trucks, with the smallest analogues to one- or two-person motorcycles.

Frigate: Until the late 22nd century, a dedicated medium defense and escort starship, larger than corvette but smaller than destroyer, often capable of trans-atmospheric operations. In the 23rd century and into the early 24th century, often used to designate defense and escort starships ranging from small patrol and escort ships typically lacking torpedo armament to versatile multipurpose ships similar to light cruisers.

FTL: abbreviation for Faster Than Light.

GW: GigaWatt

Hopper: a small vehicle designed for atmospheric flight. While some may have limited aerospace capabilities, they are generally utilized for intra- and intercity transport of personnel.

ISA: International Space Agency. Formed by the NUN in 2018 in an effort to coordinate international space exploration missions. Succeeded by both the UESPA and UESN in 2067 and 2069, respectively.

Ishakawa-Dell Barrier: The exponential growth in the power required by early warp nacelles as FTL speeds approached warp factor 6 (on the OCU scale).

Laser: Typically, a secondary weapon on early space vessels. Current shielding technology has largely negated the threat posed by the coherent electromagnetic beam.

M: Meters

M/AM: Matter/Antimatter

MT: Metric Tons

Navigation Light: Yellow in color; these lights are generally located on or near major points of superstructure of a space vessel. They often provide low-emission positioning signals for specific locations on and within the vessel for the purposes of proximity maneuvering by another vessel and relative destination positions for transporters. Not to be confused with red or green running lights.

NCC: Letter prefix in UFP Starfleet vessel registries, anecdotally said to come from the term Naval Construction Contract. Current usage has letter N signifying UFP registry, and CC signifying active Star Fleet forces.

Nearspace: The region of the Federation considered to be internal, fully charted, and uncontested.

NUN: New United Nations. Formed in 2011, first dissolved in 2053 (during the Third World War), re-formed in 2065 (two years following First Contact), then finally dissolved in 2079. Authorized the formation of the ISA (2018), UESPA (2067), UEDP and UESN (both 2069). Succeeded by the UEDP



GLOSSARY (CONTINUED)

OCU: Original Cochrane Units, representing the original warp scale, where the warp factor cubed was the velocity in c, the speed of light.

Operational Standard: the description and designation for a previous testbed or prototype vessel that has been made operational, though not necessarily to the standards of the official class. Ex: USS Constellation (operational standard)

P/S: Port/Starboard; left & right side, respectively, in naval parlance.

Particle Cannon: A primary or secondary weapon on some early space vessels, though generally replaced by phaser technology. The weapon accelerated charged or neutral matter (or antimatter) particles to relativistic speeds. Also commonly known as phase cannons.

Phase Cannon: (see Particle Cannon)

Phaser: A directed-energy/particle weapon in common use aboard Star Fleet vessels, as well as other UFP and foreign fleets. Based upon rapid nadian effect, it generates a wide-band particle beam utilizing both electromagnetic and subspace components.

Plasma Cannon: A projectile weapon in common use aboard early space vessels. A sublight weapon, the cannon generates, contains, and directs the release of ionized matter. The weapon is often complemented by particle and/or laser weapon systems.

Prototype: a vessel constructed (or modified) to perform tests and trials of a potential new class (or subclass) of ship.

Running Light: Red (port/left) and green (starboard/right) lights traditionally denoting the observed side of a water vessel under low light conditions. Utilized for similar purposes by space vessels of the UFP though generally for rapid orientation by the pilots/helms of other vessels maneuvering in close proximity. Not to be confused with yellow navigation lights.

SCE: (see Star Fleet Corps of Engineers)

Scout: A small to medium, fast research and/or reconnaissance space vessel, equipped with extensive sensor and research equipment. Though protected by defensive energy weapons, most substitute probe launchers for torpedoes.

Series: a succession of vessels all deriving from one standard, comprised of the original class, subclasses, flights, and types. Ex: the Constitution series

Shuttle: An auxiliary craft usually carried by larger vessels for orbit-to-ground transportation or detached operations. Also used for starbase liaison duties.

Shuttlepod: Very small auxiliary craft used for ship-to-ship or orbit-to-ground transportation, free-space maintenance, and repair work, and detached operations of a very limited nature. Usually not equipped with a warp drive.

Star Fleet: The primary exploration and defense organization of the UFP. Formed in 2161 to protect the integrity of the Federation and the safety of its members and to expand the knowledge of the member cultures.

Star Fleet Corps of Engineers: the special construction, maintenance, repair, and public engineering management agency (an echelon of Star Fleet Engineering) for both Star Fleet and the Federation. The SCE is often tasked with building and maintaining facilities both standard and exotic, as well as providing rapid response to engineering problems that occur far from Federation resources.

Starfleet: Short-hand name for the United Earth Starfleet (UESF), the primary exploration and defense organization of United Earth 2033-2161. Not to be confused with the UFP Star Fleet. Renamed Earth Fleet upon the formation of the United Federation of Planets.

STL: abbreviation for Slower Than Light.

Subclass: A significant variant of a given class of ship, usually newbuilds, though sometimes including important modifications to existing ships, that are not intended to replace the existing ships of the original class. Often named for the first ship to reach that final intended production standard.

Tender: An auxiliary vessel specifically designed for deep space replenishment and support of starships and other vessels. While often equipped with a tractor device, the inability to efficiently tow another vessel in warp distinguishes the tender from a tug.

Testbed: a vessel constructed (or modified) as a platform to test new technologies, with the vessel not necessarily transitioning to an operational status.

TNG: Terrance-Nelton Graduated scale where upon each full warp factor is achieved when a certain number of cochranes were met in output, resulting in more efficient engine plateaus. In this scale, Warp 10 is unattainable.

Torpedo: The general designation for warp-capable guided projectile weapons, in contrast to sublight-only guided missiles.



GLOSSARY (CONTINUED)

Transport: A Starship or other vessel dedicated to transporting passengers or cargo. They range in size from small two- or three-crew ships to huge starships and freighters.

Transwarp Drive: The common name for drive systems capable of higher speeds and efficiencies than the warp drive currently in use throughout the Federation. Promising venues of research include deep subspace immersion, new power regulation methods, dimensional rift techniques, and time manipulation. No practical drives of these types are yet available at this time.

Tug: 1) A warp-powered ship specifically designed to extend her warp field around objects that can thereafter be towed at warp speeds. Primarily used for the carriage of transport pods and towing of disabled starships or other equipment lacking appropriate motive capabilities. 2) A craft designed to propel ships or equipment lacking motive power about a limited area of operation, such as a space dock or construction site. May also refer to such a vessel intended to assist ships maneuvering within and in the vicinity of docking facilities.

TW: TerraWatt

Tyme Barrier: The exponential growth in the power required by early warp nacelles as FTL speeds approached warp factor 7 (on the OCU scale).

Type: a variant to a class, subclass, or flight that is extremely limited in numbers and not intended to supplant the origin category. Oftentimes used to explore potential variations for future upgrades. Ex: the Bonhomme Richard subclass (Type 2)

UEDP: United Earth Defense Pact. Formed by the NUN in 2069 to put the "Earth's ascendancy and safety ahead of national goals". Tasked with the combined command and control of the planet's various armed forces, it became the de facto world government upon the NUN's second dissolution in 2079, until superseded by the United Earth government in 2130.

UES: United Earth Ship. Ship prefix for the names of vessels of the UESN.

UESF: (see Starfleet)

UESN: United Earth Stellar Navy. Predecessor to the UESF. Formed under the authority of the United Earth Defense Pact in 2069.

UESPA: United Earth Space Probe Agency. Formed by the NUN in 2067, relieving the ISA of the coordination and development of human presence in interstellar space. Re-purposed as the exploration arm of the NUN in 2069.

UESS: United Earth Space Ship. Ship prefix for the names of vessels of the United Earth Starfleet.

UFP: United Federation of Planets. Formed in 2161 by a coalition of United Earth, the Andorian Empire, Tellar, Alpha Centauri, and the Confederacy of Vulcan, following the Romulan War.

UFP SF: (see Star Fleet)

USS: UFP Star Fleet Starship. Ship prefix for the names of Star Fleet vessels, emblazoned on ship hulls (along with the ship's registry number). Commonly abbreviated as "United Starship" in verbal communication, although the expressions "United Spaceship" and "Federation Starship" are also frequently used.

Work Pod: The general name for manned, sub-impulse craft used for construction, maintenance, repair, and other service tasks in space. A variety of external tools and modules are attached to the work pods to facilitate a multitude of tasks.



THE FOLLOWING ARE OTHER STARSHIP RECOGNITION MANUALS
PUBLISHED BY DELTA DYNAMICS:

REPORTS

- BONAVENTURE survey cruiser
- BONAVENTURE dilithium power testbed
- BURKE frigates
- CAVALRY light destroyers
- CONSTITUTION heavy cruisers
- DURANCE cargo tugs
- HORIZON heavy cruisers
- SYRACUSE destroyers
- TRENT destroyers

