



REISCHL'S GUIDE TO SHIPS OF THE FLEET

DECLASSIFIED



**STARFLEET
COMMAND
INTELLIGENCE
BUREAU.**



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The following booklet contains previews to REISCHL'S GUIDE TO SHIPS OF THE FLEET and have been judged by S.C.I.B. to be non-damaging to STARFLEET security and deemed suitable for public access.

By order of Commander Bernard Reischl
Starfleet Command Intelligence Bureau



The representation of the Starship USS Enterprise(NCC-1701),the Starfleet Identity Symbol, Starship engines or primary hulls is not meant to infringe upon any of Paramount Studios registered trademarks.

This booklet was put together in the spirit of giving some other fellow starship designers/engineers a bit of a push in realizing some of their dreams that one day...

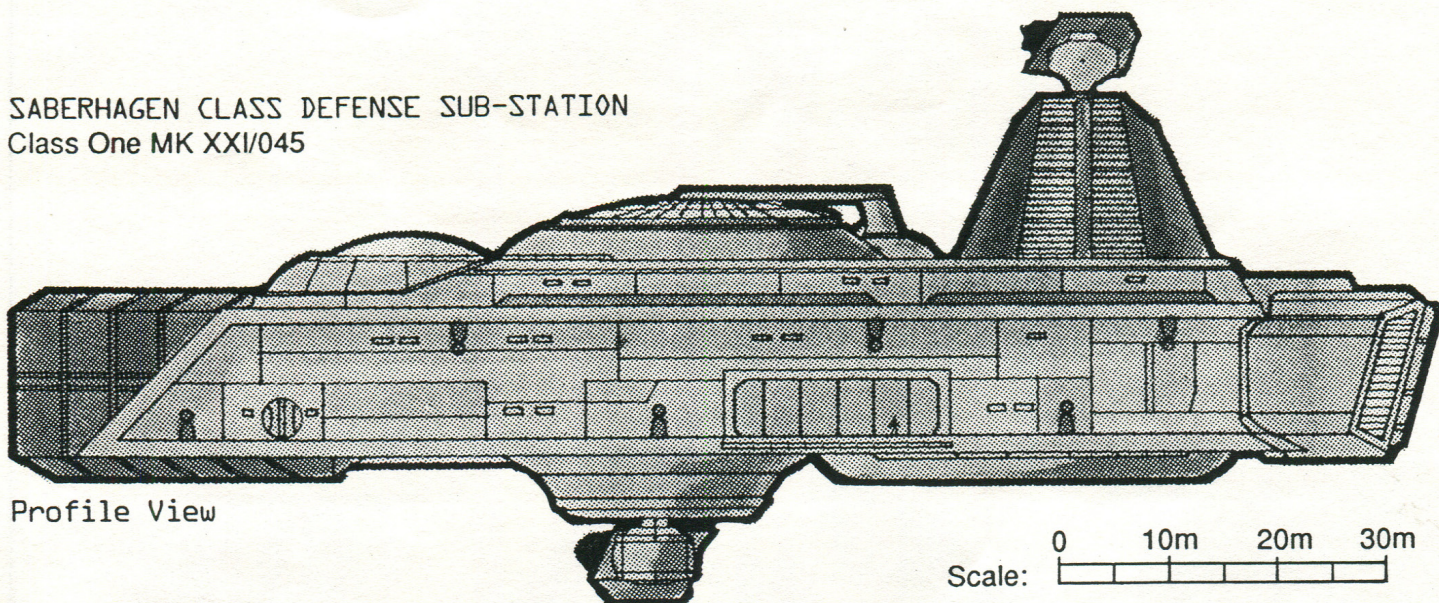
This booklet is also dedicated to some of my nefarious pals... especially the Klingons like Keith,Alain,René,Luke,James P.,Mike P.,Mike M.,Kevin(Ha! You know the real benefits of the space program),Lynda,Claude and James L. And also a tip of the old moose cap to some really big inspirations like Larry Niven,Fred Saberhagen,Ron Cobb,Syd Mead,Chris Foss,Andrew Probert, Joe Johnson,Rick Sternbach et al... Thanks...

If you have any comments or suggestions, I'll get in touch with you!(Inside joke)

If you want to receive further updates leave your name and address with the guy at the table.



SABERHAGEN CLASS DEFENSE SUB-STATION
Class One MK XXI/045



Profile View

Scale: 0 10m 20m 30m

Current Specifications of SABERHAGEN Class
Defense Sub-Station:

DIMENSIONS:

Overall Length: 131.6m (432 ft.)
Overall Draught: 56.6m (210 ft.)
Overall Beam: 64m (186 ft.)

MISSION DURATION:

Standard: 1.4 Earth years at
standard complement

Maximum: 2.2 Earth years at
standard complement

PERFORMANCE:

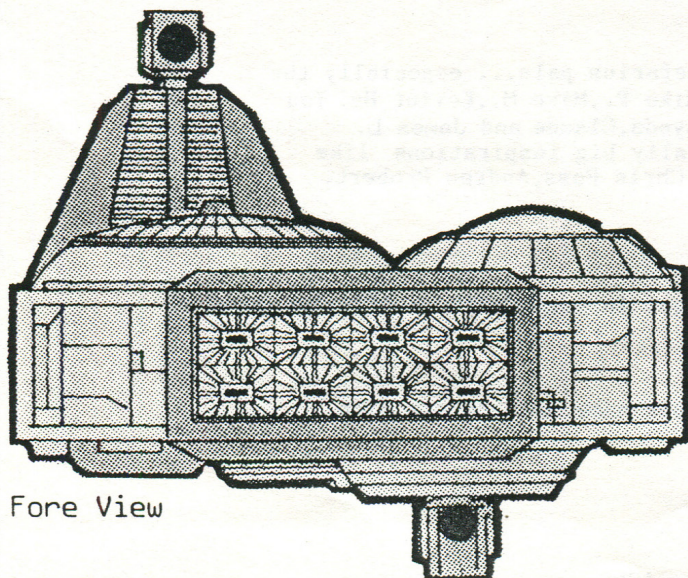
Cruising Velocity: Warp .875 (.66 c)
Maximum Velocity: Warp 1.45 (3.04c)
Acceleration:
Rest-Onset Critical Momentum: 14.12 sec
Onset Critical Momentum-Warp Engage: 7.43 sec
Warp .5 - Warp 1.45 2.25 sec

DISPLACEMENT:

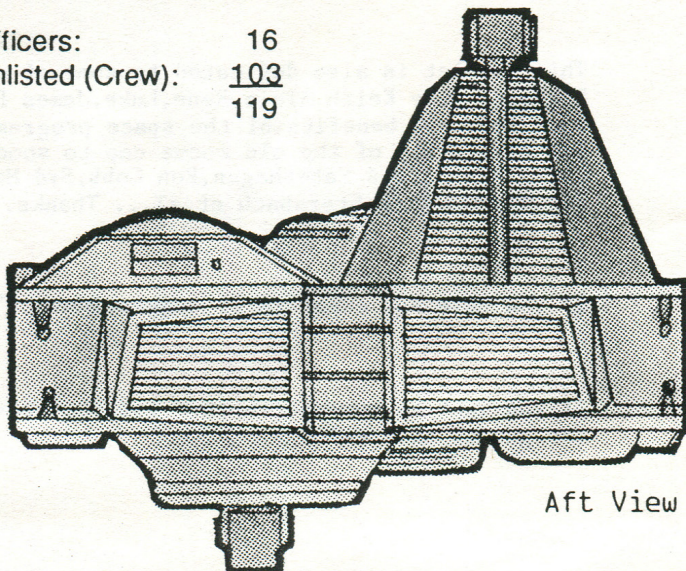
Light: 74 500 t
Standard: 76 000 t
Full load: 77 300 t

SHIP'S COMPLEMENT:

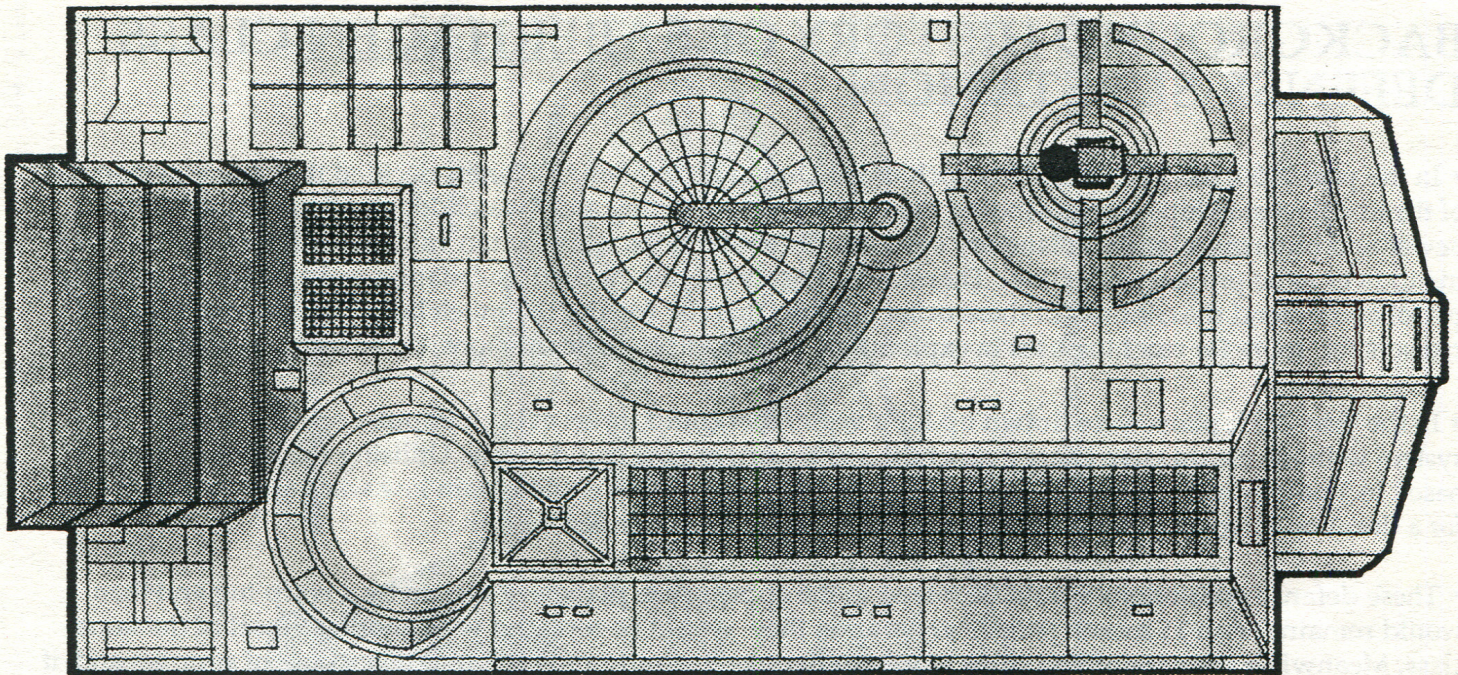
Officers: 16
Enlisted (Crew): 103
119



Fore View



Aft View



Top View

SYSTEMS:

Navigation:

- "Aurora" Warp celestial Guidance (System contractor: Adamcek systems, Quebec, Earth)

Computers:

- NCC-8735-56: "Fasfax" Duotronic II (System contractor: Barry Nemonics, Ireland, Earth)
- NCC-8757-83: "T' Reshire" Duotronic III (System Contractor: Shefar Samtast, Terpak, Vulcan)

Weapons:

- Megaphasers: 2 banks/1 each Nova 40, Multi-Directional Cannons (System contractor: Blackthorne Ordinance Systems, Nouveau Bashar, Western Hemisphere, Mars)
- 8 Photon Torpedo Banks consisting of Mark 5A "Fireball Photorps" (System contractor: Maztara Weapons Systems, Iakktara, Yashtakera, Epsilon Eridani II)
- 12 phasers: 1 bank each, DOC-2 Independant Single mount (System contractor: Quehydra Weapons Inc. Bachtallah, Alpha Centauri)

Defense:

- "Lucas" Primary Forcefield and Deflector Control Systems (System contractor: R. Flagg Inc. Illinois, Earth)

- "Lancelot" Fire Control Systems (Systems contractor: Puppeteer Defense Systems, Planet UNKNOWN)

Propulsion:

- 2 subatomic Unified Energy Impulse Units: Quasar Particle Beam Maneuvering Thrusters (System contractor: Sikolonav Propulsion Systems, Kiev, USSR, Earth)
- "Wolverine" Pulsed Laser Reaction Control System (system contractor: Chemachron Laser Propulsions, Limarrshah, Alhena, Gamma Delphini)

Life Support:

- G6 MONOX Artificial Gravity Generator (System contractor: Plateau Gengravs Inc., Brennanville, Eastern Hemisphere, Mars)
- FF Richards Radiation Shielding (system contractor: FF Inc., New York, USA, Earth)
- "Jiggs" Waste Regeneration Systems Inc. (System contractor: DemRep System, Washington, USA, Earth)

- Spprt. Vehicles: • 2 BERSERKER Class Armed shuttlecraft with add-on "Quicksilver" Warp Sled Engines.
- 4 Class 3MK B/01 "Work Bee's"
- 14 "Nightingale" (8-man) lifeboats



BACKGROUND HISTORY OF SABERHAGEN CLASS DEFENSE-SUBSTATION

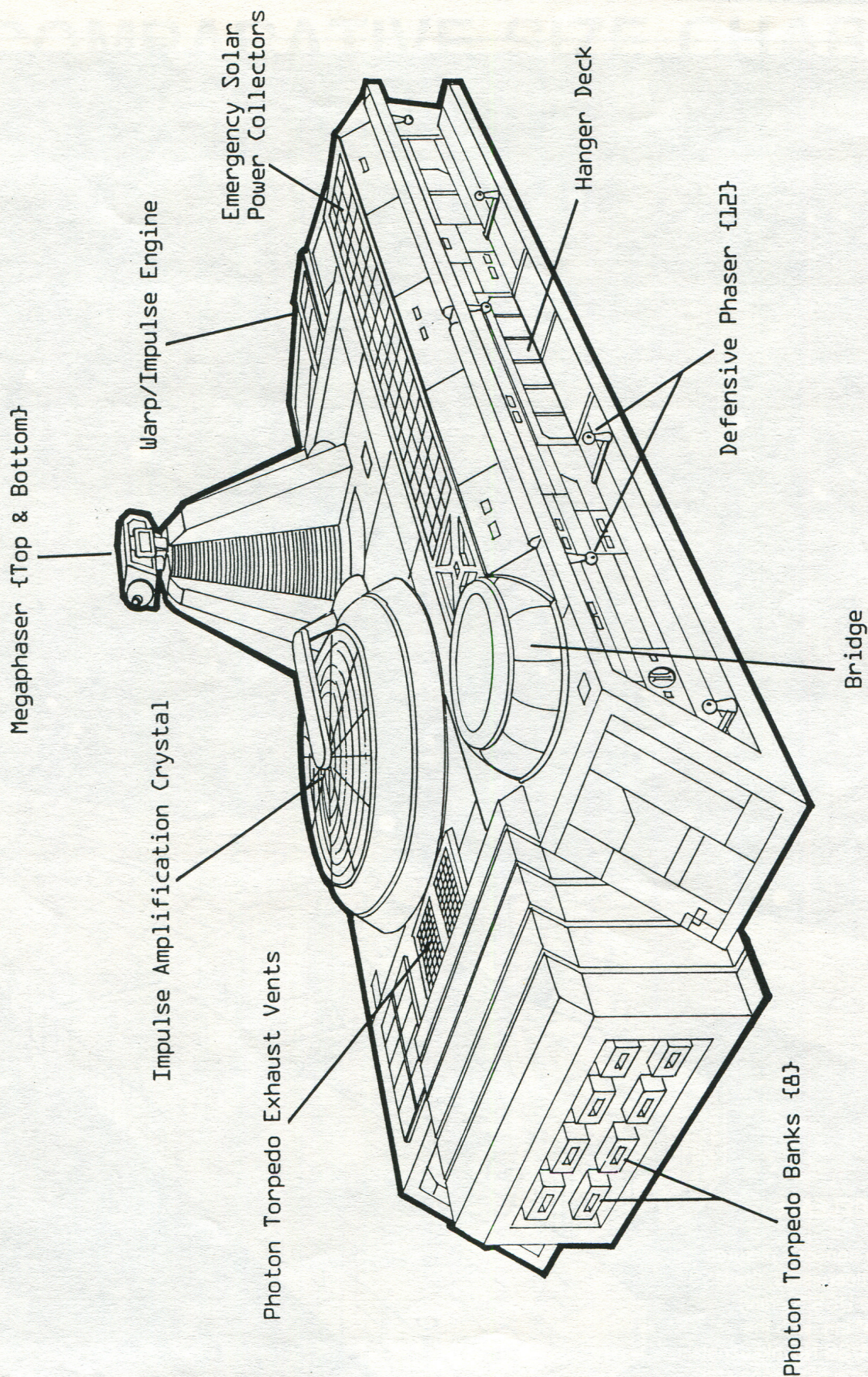
- In the year 2250, the STARFLEET branch of the United Federation of Planets decided that many of their top of the line fleet starships were spending too much time protecting and "watchdogging" too many of the newer and outermost located planetary systems. These starships were far too valuable and took up too much manpower to be properly effective. Therefore a highly mobile "armed" substation was needed to properly patrol and defend the confines of these outer systems thereby freeing the much larger destroyers/frigates/cruisers for more far reaching uses in exploration, rescue, diplomatic missions, defenses/aggression etc...
- In the year 2251, plans were drawn up for a vessel that could travel at high impulse speeds within a solar system without the massive energy expenditures a warp engine could create. Utilising the same dilithium based technology and duotronic computer systems the substation could obtain low warp speeds (up to 1.45) for a duration long enough to repel enemy forces out of the defended system.
- These defense-substations would be towed to the appropriate planetary system by a warp tug and then would remain for an 11 month patrol, whereupon they would be replaced with another vessel of the same class. Meanwhile the now offline ships would undertake 3 months of R & R and restocking of supplies and, if needed, refurbishing to update their computer/ship's systems. Then these ships would be towed to a different system so as there not be any "dull moments" in the lives of the crew.
- With the Saberhagen class of vessel now entering it's 35th year of service, it has the unique distinction that not one of the 48 vessels built to date has been destroyed in combat. With it's arsenal of 8 photon torpedo banks (each with an independant battle computer), 2 megaphaser cannons (each with their own seperate matter/anti-matter generators), 12 defensive single bank phasers and 2 armed shuttlecraft these substations are virtual fleets unto themselves and can kick butt from here to the Neutral Zone!
- In the year 2252, final designs were approved, funds were allocated and the firm of Prometheus Ship Assemblies Inc. was selected to assemble all the components together for the entire run of vessels needed.
- In the year 2253, the construction of the Adelaide commenced and by 23-7-2253 she was launched. At the pace of 2 vessels per year, the pressure on the more valuable line ships gradually receded. For a short period of years construction was reduced to one substation per year until the hostilities with the Romulans renewed themselves at a fevered pitch, forcing Prometheus Ship Assemblies Inc. to renew the 2 ships per year pace. This schedule will continue well into the next century. As man continues to further explore the outer reaches of this galaxy, more vessels of the SABERHAGEN class will be built to protect the newer systems from any conflicts of problems that may arise.

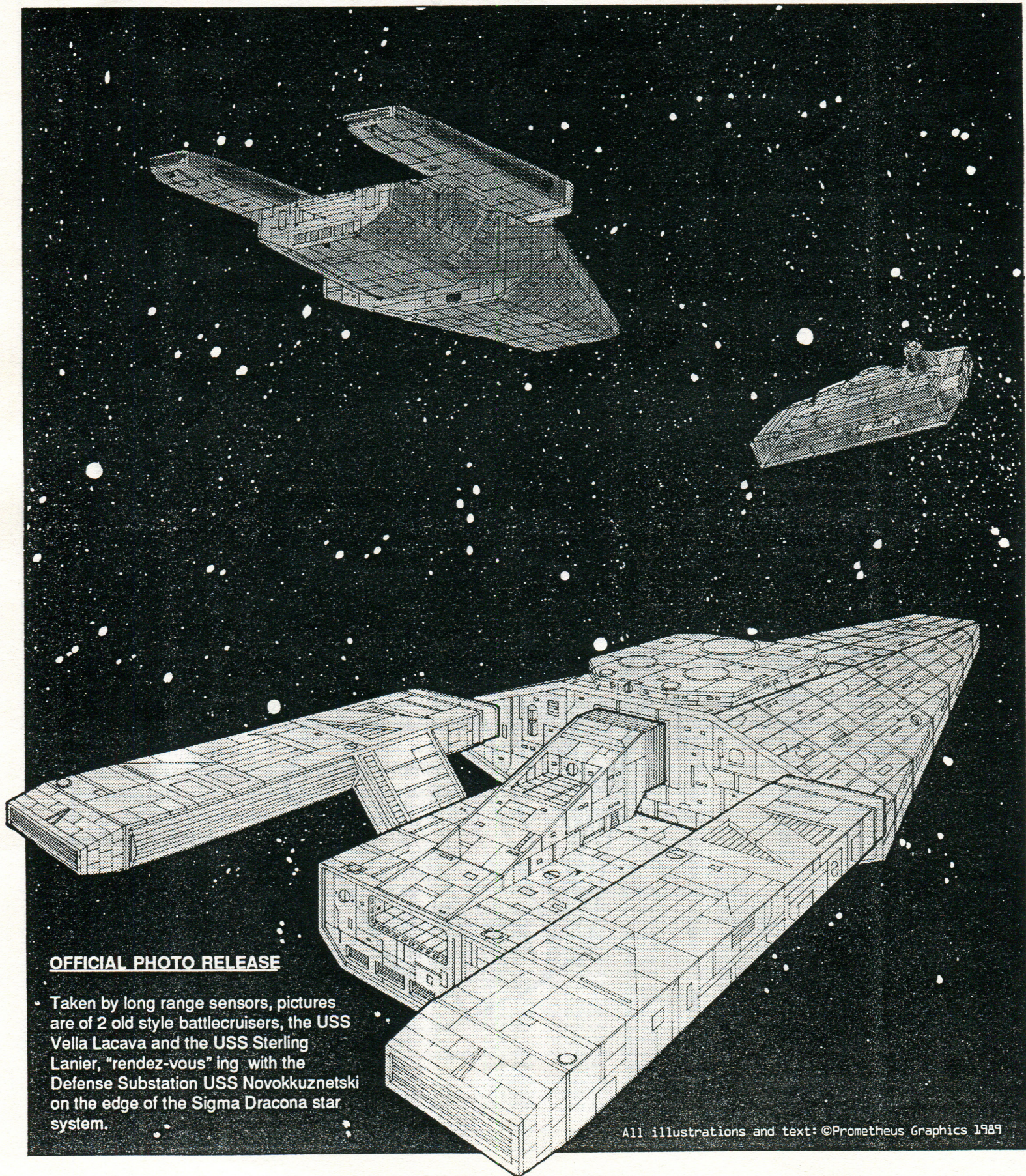
Listing of SABERHAGEN Class Vessels

NAME	NCC Number	Commissioned	Status	NAME	NCC Number	Commissioned	Status	NAME	NCC Number	Commissioned	Status
Adelaide	NCC-8735	23 Jul 2253	Active	Jakarta	NCC-8742	19 Aug 2255	Active	Rangoon	NCC-8740	08 Dec 2255	Decomm
Arquette	NCC-8754	12 Aug 2267	Active	Karinga	NCC-8739	04 Jun 2255	Active	Rostovoshka	NCC-8780	25 Sep 2257	Active
Bamaka	NCC-8737	9 Nov 2254	Active	Khabaravoshka	NCC-8750	26 Jan 2263	Active	Saberhagen *	NCC-8744	05 Jan 2257	Active
Bandung	NCC-8746	30 Mar 2259	Active	Kwangju	NCC-8764	29 May 2277	Decomm	Santo Domingo	NCC-8775	27 Aug 2284	Refurb
Bursa	NCC-8763	07 Feb 2270	Active	Lanier	NCC-8771	14 Aug 2282	Active	Saratov	NCC-8759	30 May 2272	Decomm
Campinas	NCC-8748	21 Jun 2261	Active	Leeds	NCC-9779	31 Oct 2286	Active	Sheffield	NCC-8778	04 Feb 2285	Active
Chang-chun	NCC-8769	28 May 2281	Active	Lyon	NCC-8776	27 Nov 2284	Active	Shen-ti-yang	NCC-8768	18 May 2280	Active
Dar es salaam	NCC-8783	20 Feb 2288	Active	McCaffrey	NCC-8745	15 May 2258	Reserve	Tabriz	NCC-8756	14 Feb 2269	Active
Dornier	NCC-8736	08 Sep 2253	Active	Melbourne	NCC-8774	19 Dec 2283	Active	Taixuantis	NCC-8782	05 Jan 2287	Active
Effhamiquial	NCC-8743	23 Nov 2257	Reserve	Mu-urashta	NCC-8755	05 Feb 2268	Active	Thon	NCC-8777	29 Nov 2285	Active
Fujikoras	NCC-8752	27 May 2265	Active	Newcastle	NCC-8781	19 Dec 2287	Active	Tripoli	NCC-8749	21 Dec 2262	Refurb
Griffen	NCC-8761	09 Jul 2274	Active	Novokkuznetski	NCC-8757	30 May 2270	Reserve	Urbaque	NCC-8770	17 Jun 2281	Active
Guadalajara	NCC-8738	25 Apr 2254	Active	Odessa	NCC-8767	23 Jul 2280	Refurb	Vancouver	NCC-8753	27 Feb 2266	Decomm
Hamilton	NCC-8741	30 Oct 2256	Active	Osaka	NCC-8772	22 Jun 2282	Active	Volgograminski	NCC-8773	13 Aug 2283	Active
Ibadan	NCC-8751	17 Nov 2264	Refurb	Perth	NCC-8766	02 Apr 2279	Active	Xi'an	NCC-8760	23 Jul 2273	Reserve
Imarquella	NCC-8762	22 Dec 2275	Active	Quimerto	NCC-8747	14 May 2260	Active	Zaragoza	NCC-8765	08 Jan 2278	Active

SABERHAGEN CLASS DEFENSE SUB-STATION

3/4 View



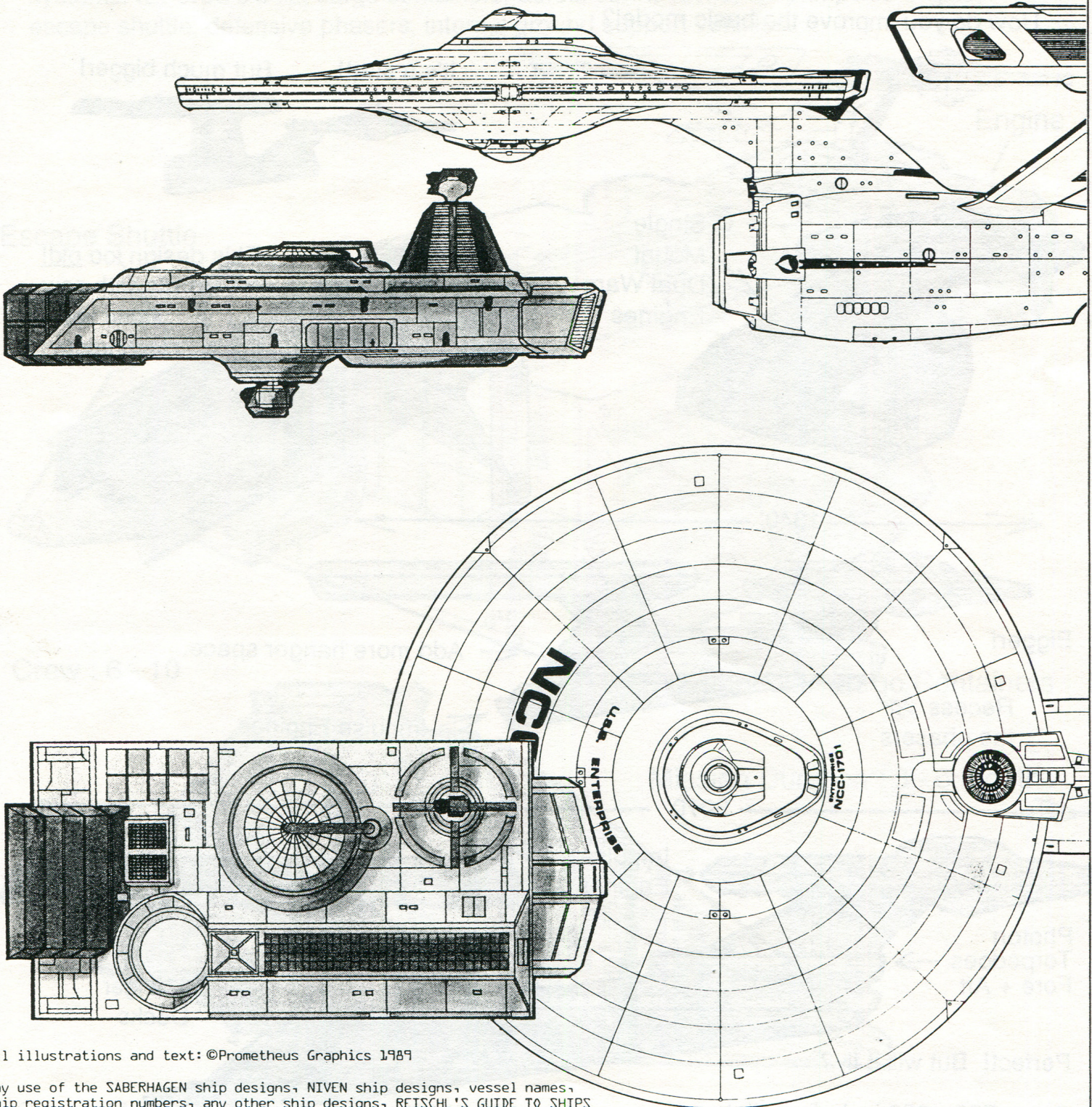


OFFICIAL PHOTO RELEASE

- Taken by long range sensors, pictures are of 2 old style battlecruisers, the USS Vella Lacava and the USS Sterling Lanier, "rendez-vous" ing with the Defense Substation USS Novokkuznetski on the edge of the Sigma Dracona star system.

COMPARATIVE SIZE CHART

EACH ISSUE'S SHIP WILL BE DISPLAYED IN COMPARATIVE SIZE TO ONE OF STARFLEET'S MOST HISTORIC STARSHIP CONFIGURATIONS ...
THE U.S.S. ENTERPRISE NCC-1701



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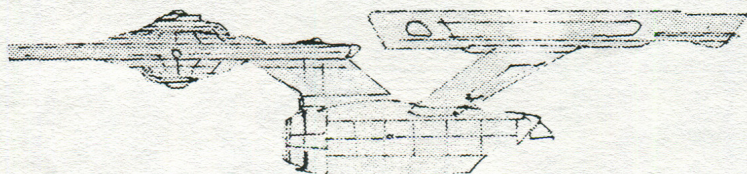
Any use of the SABERHAGEN ship designs, NIVEN ship designs, vessel names, ship registration numbers, any other ship designs, REISCHL'S GUIDE TO SHIPS OF THE FLEET logo mark or any article text is strictly forbidden without the prior written permission of PROMETHEUS GRAPHICS.



SKETCHES FROM A STARSHIP DESIGNER'S NOTEBOOK

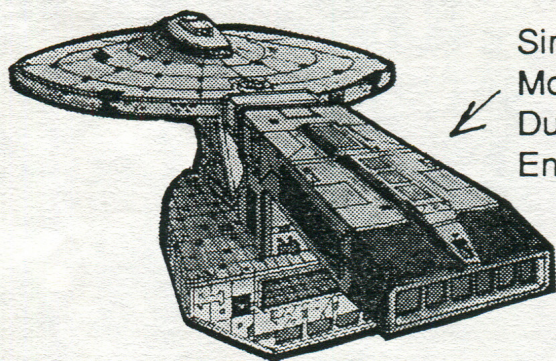
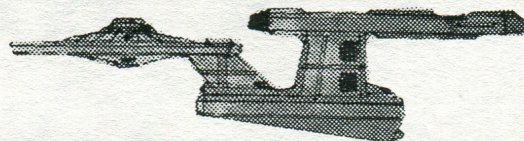
Mission: Develop a "heavy" carrier. Must travel at high warp speed. Must carry a complement of 80 plus shuttles.

How do you improve the basic model?

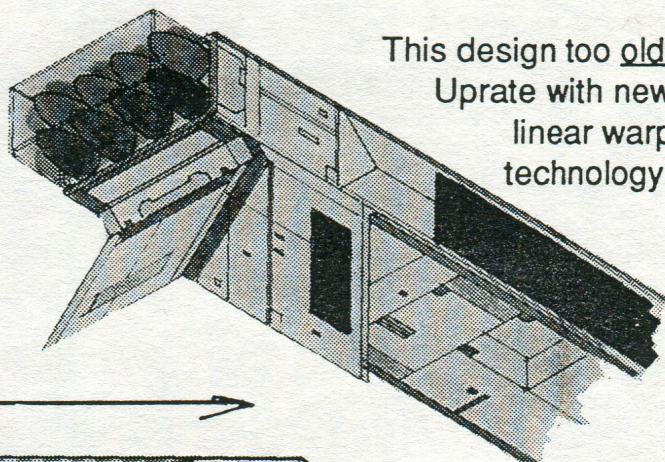


It's a start!

But much bigger!



Single Mount
Dual Warp
Engines



This design too old!
Uprate with new
linear warp
technology.

1340'

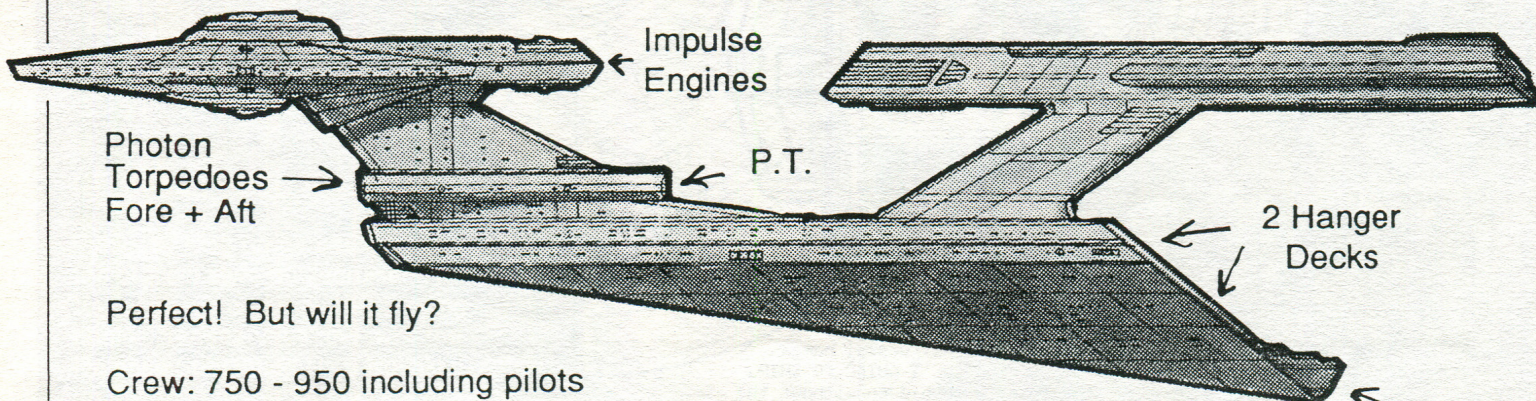
Bigger!

Recess
the phasers

← Add more hanger space.

← Impulse Engines

2070'



Photon
Torpedoes
Fore + Aft

Impulse
Engines

P.T.

2 Hanger
Decks

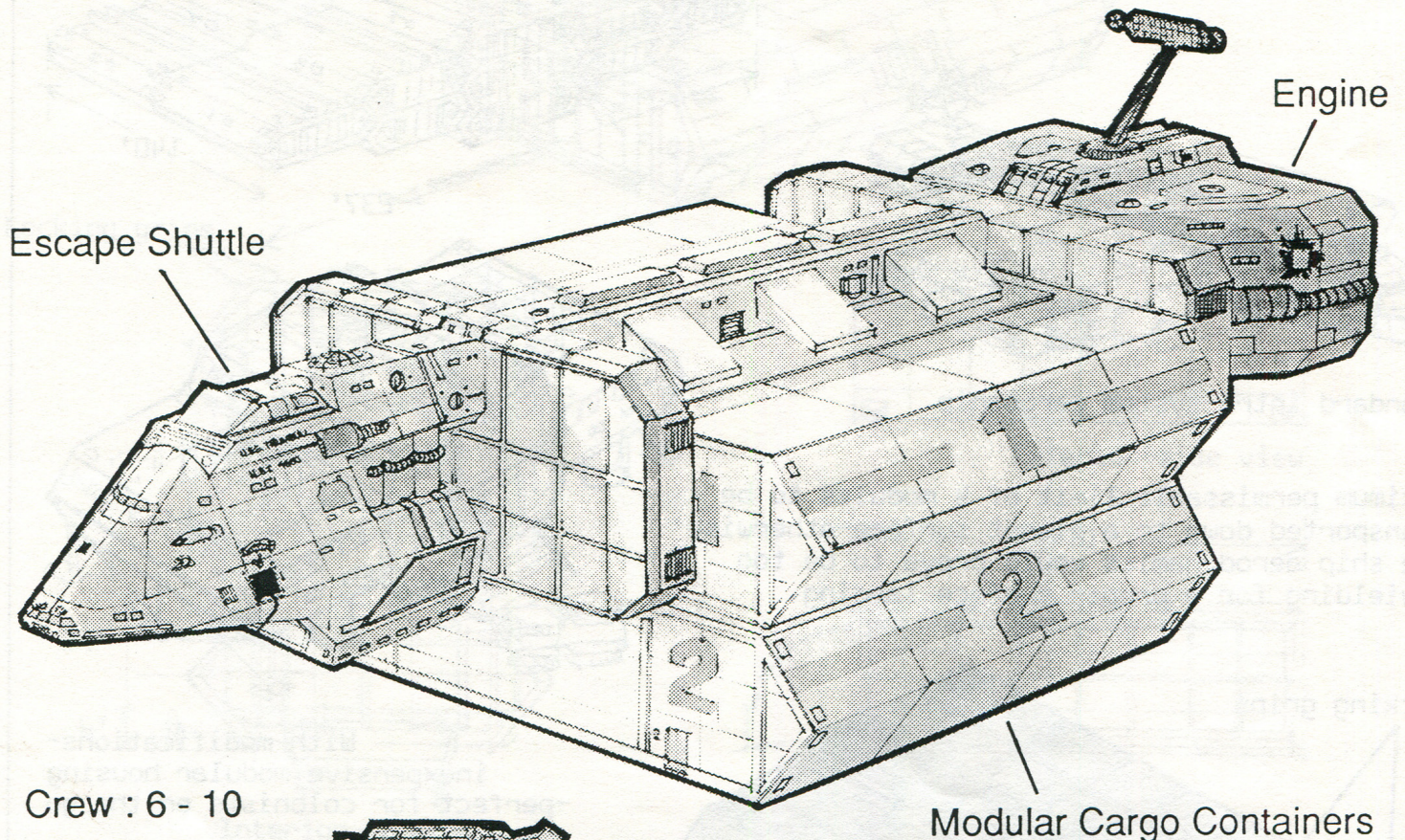
← Impulse Engines

Perfect! But will it fly?

Crew: 750 - 950 including pilots
and service technicians

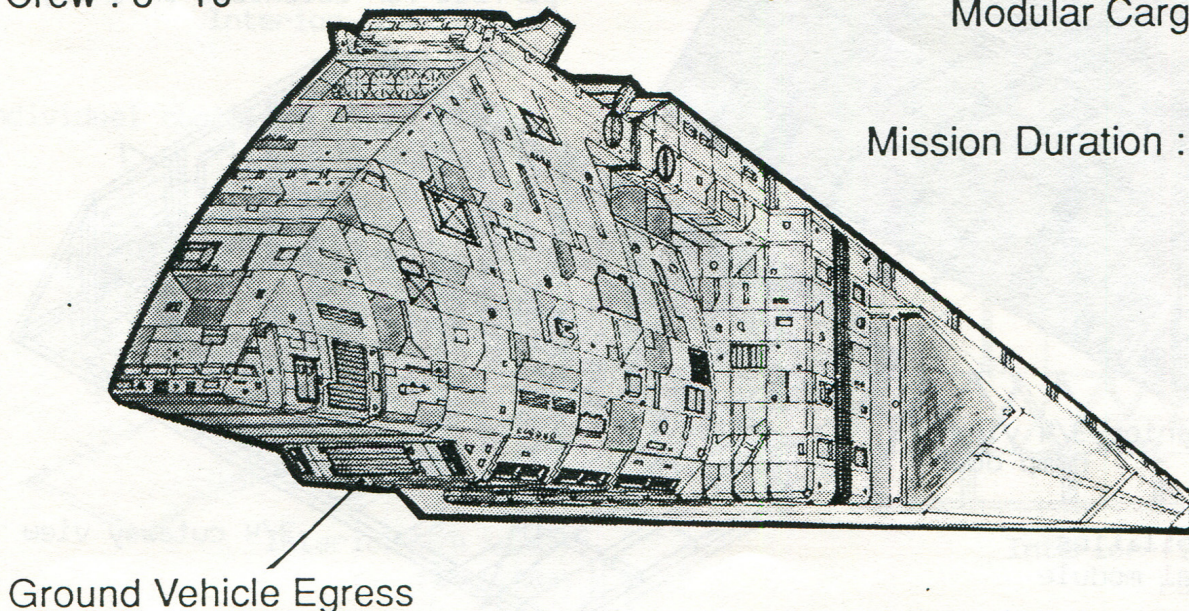
SKETCHES FROM A STARSHIP DESIGNER'S NOTEBOOK

Mission: Develop a heavy duty cargo vessel with atmospheric capability. Must be able to travel at low warp/high impulse speeds between solar systems, and be able to carry up to 10 cargo containers at one time. Must be comprised of separate modular + interchangeable systems. IE: Crew's ship, cargo containers, dorsal connections, warp/impulse engine, escape shuttle, defensive phasers, internal ground support vehicles.



Crew : 6 - 10

Mission Duration : 3 - 6 months

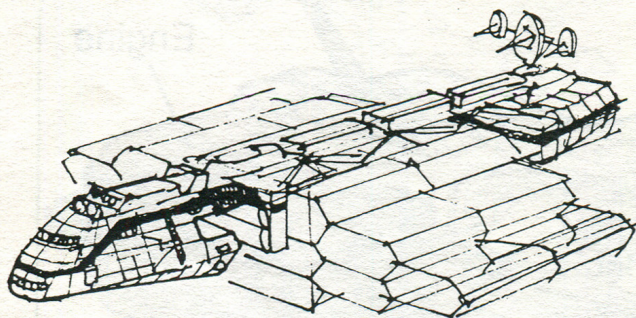




SKETCHES FROM A STARSHIP DESIGNER'S NOTEBOOK

CARGO TUG-CARGO MODULE DESIGN REQUIREMENTS

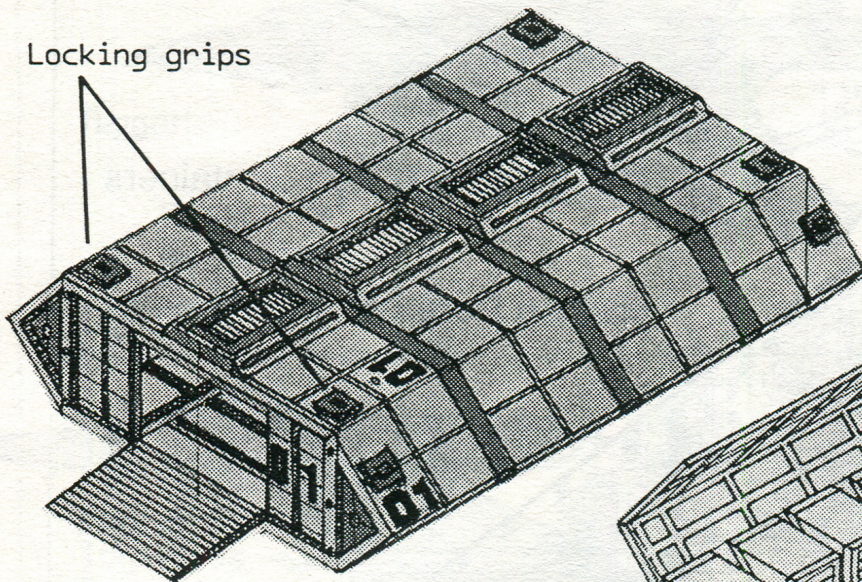
Standard cargo module cluster-18 modules
Maximum cluster allowable-28 modules



Standard intra-system cargoship

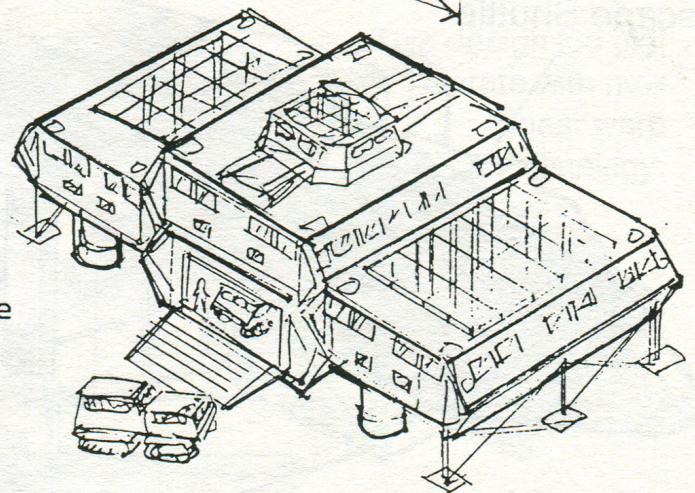
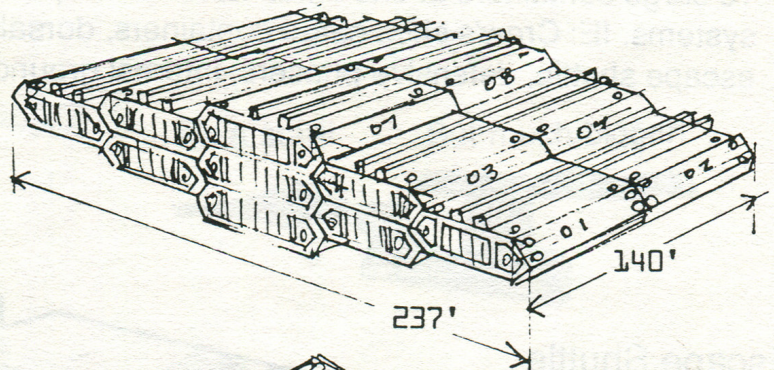
Maximum permissible limit of 4 modules to be transported down to a planet surface-otherwise the ship aerodynamics would prove to be too unwieldy for a proper surface landing.

Locking grips

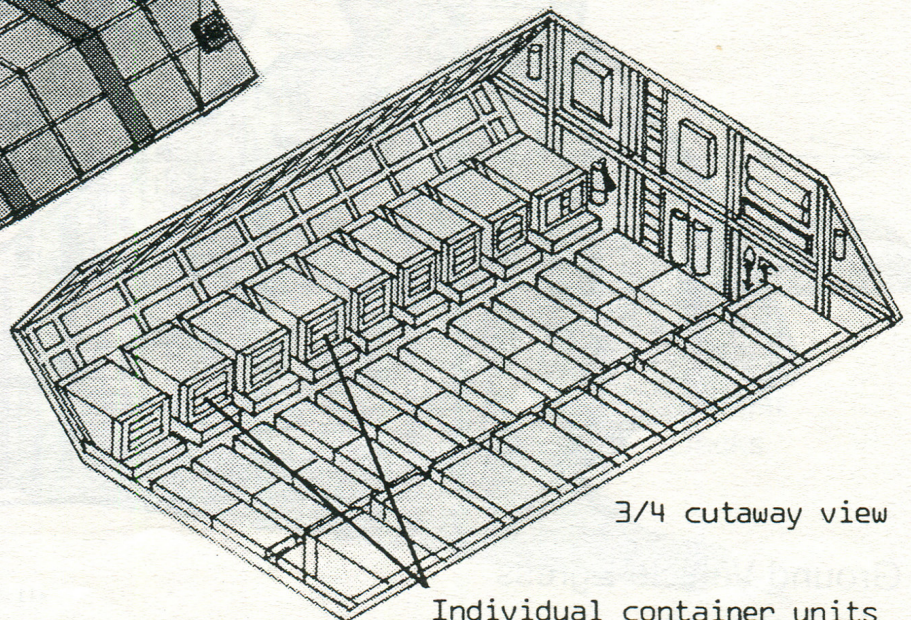


Exterior-3/4 view
ramp down

Life support capabilities
for each individual module



With modifications-
inexpensive modular housing
-perfect for colonists on the go

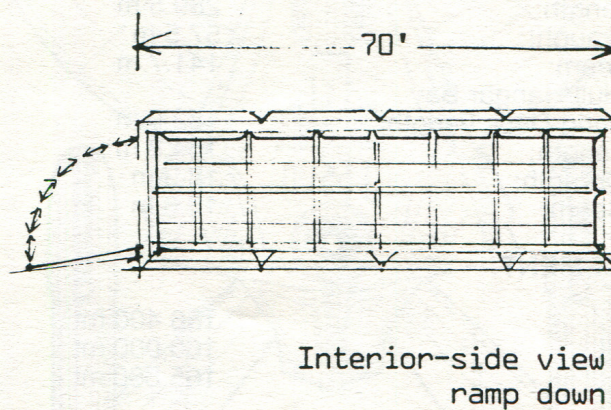
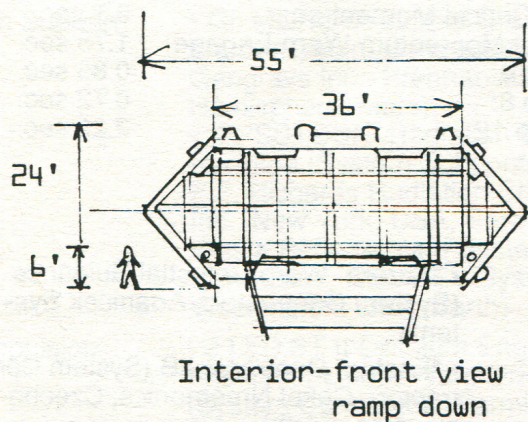
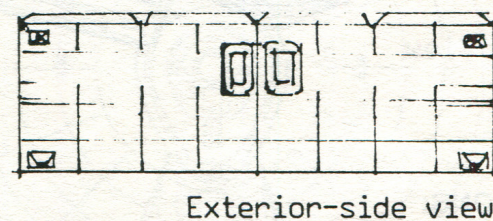
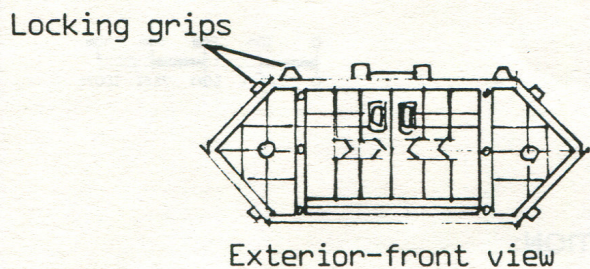
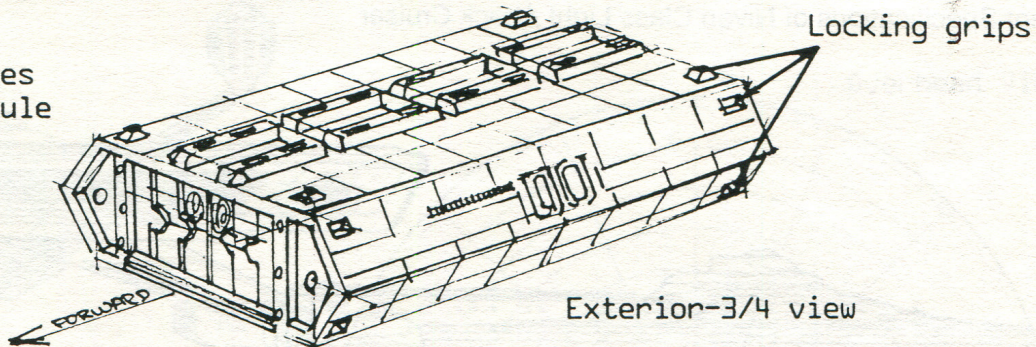


Individual container units

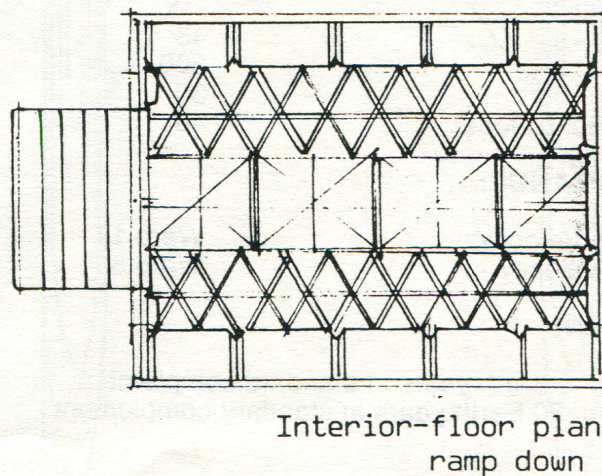
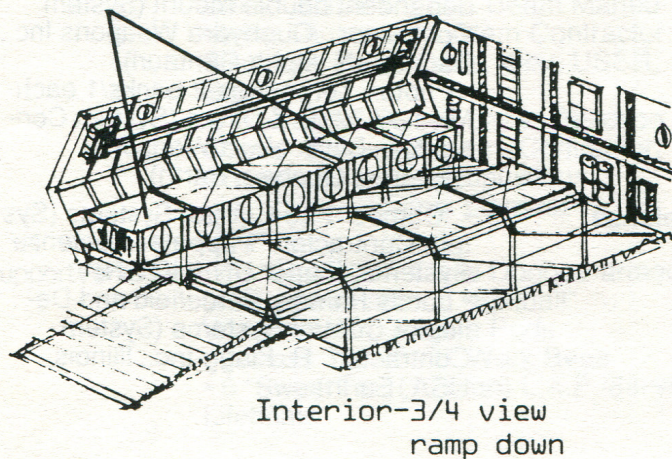
SKETCHES FROM A STARSHIP DESIGNER'S NOTEBOOK

CARGO TUG-CARGO MODULE DESIGN REQUIREMENTS

Life support capabilities
for each individual module



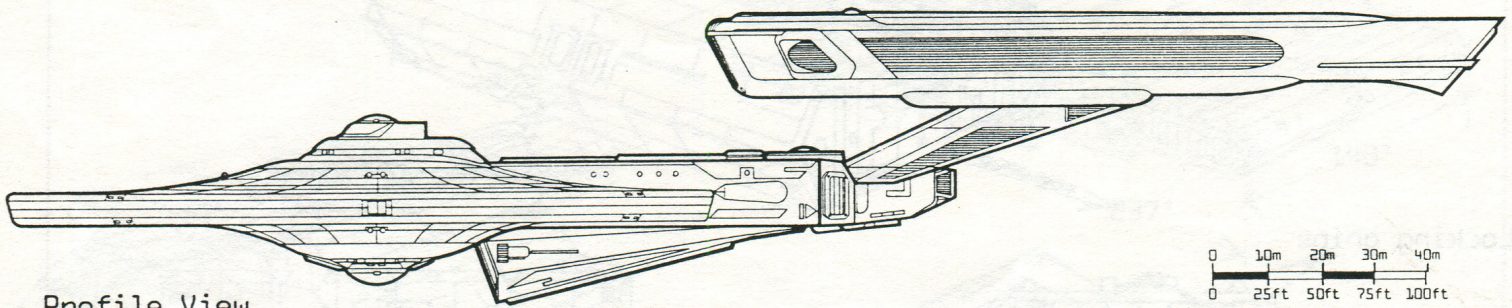
Individual container units





Niven Class Light Attack Cruiser Class One Mk VIII/01

Current Specifications of Niven Class Light Attack Cruiser



Profile View

DIMENSIONS:

Overall Length:	289.5 m
Overall Draught:	57.5 m
Overall Beam:	141.7 m
Primary Hull/Hangar Bay	
Engineering Deck Length:	182.0 m
Nacelle Length:	154.8 m
Nacelle Draught:	18.3 m
Nacelle Beam:	12.6 m

DISPLACEMENT:

Light:	156 400 mt
Standard:	160 000 mt
Full Load:	165 800 mt

SHIP'S COMPLEMENT:

Officers:	45
Enlisted:	200
Pilots:	30
Shuttle Technicians:	40

PERFORMANCE:

Maximum Velocity:	Warp 12
Cruising Velocity:	Warp 8

DURATION:

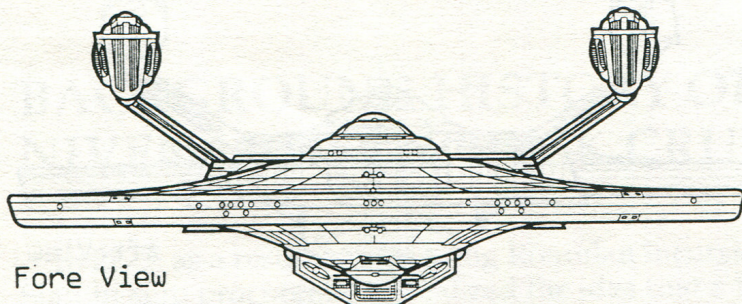
Standard: 5 Earth years at standard complement.
Maximum: 20 Earth years at standard complement.

ACCELERATION:

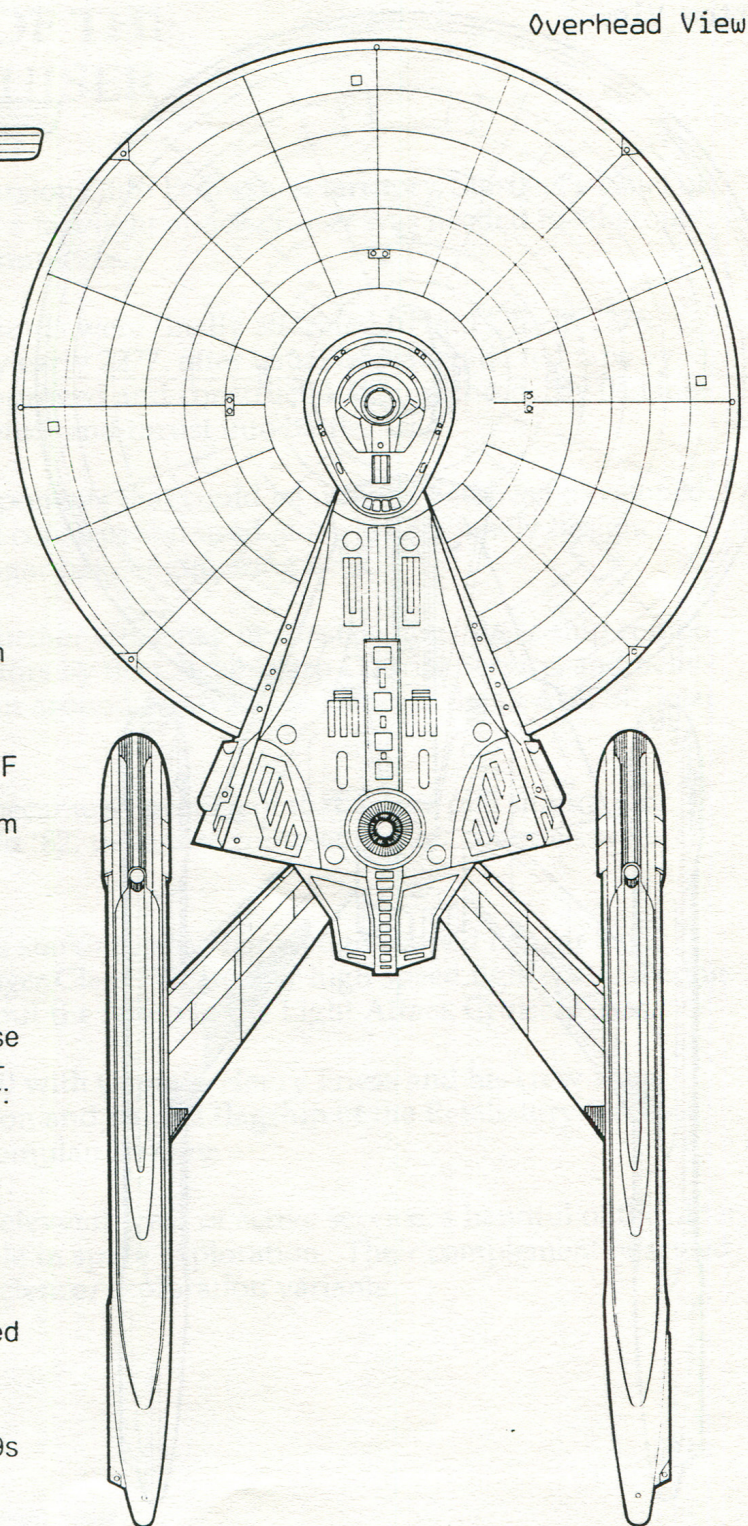
Rest-Onset Critical Momentum:	9.1 sec.
Onset Critical Momentum-Warp Engage:	1.75 sec.
Warp1-Warp 4:	0.85 sec.
Warp4-Warp 8:	0.72 sec.
Warp 8-Warp 12:	2.25 sec.

SYSTEMS:

Navigation:	• "Aurora" Warp Celestial Guidance (System Contractor: Adamcek Systems)
Computers:	• "Fasfax" Duotronic IIB (System Contractor: Cekel Nmemonics, Czechoslovakia, Earth)
Weapons:	• Phasers-6 banks/2 each, DOC-5 Independent double mount (System Contractor: Quehydra Weapons Inc., Bachtallah, Alpha Centauri) • Photon Torpedoes-2 banks/1 each Mk 12-A MoD Z Direct (System Contractor: Black Nova Weapon Systems, Quebec, Earth)
Defense:	• "Chmee" Fire Control Systems (System Contractor: Puppeteer Defense Systems, Planet UNKNOWN) • Lucas Primary Forcefield and Deflector Control Systems (System Contractor: R. Flagg Inc., Illinois, USA, Earth)



Fore View



Overhead View

Life Support:

- G6 MONOX Artificial Gravity Generator (System Contractor: Plateau Gengravs Inc., Brennanville, Eastern Hemisphere, Mars)
- "PPSSTOCK" Radiation Protection Package (System Subcontractor: F.F. Richards Radiation Shielding, FF Inc., New York, USA, Earth)
- Jiggs Waste Regeneration System (System Contractor: DEMREP Systems, Washington, USA, Earth)

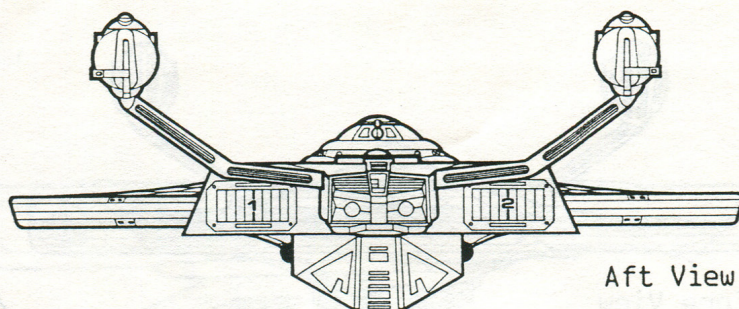
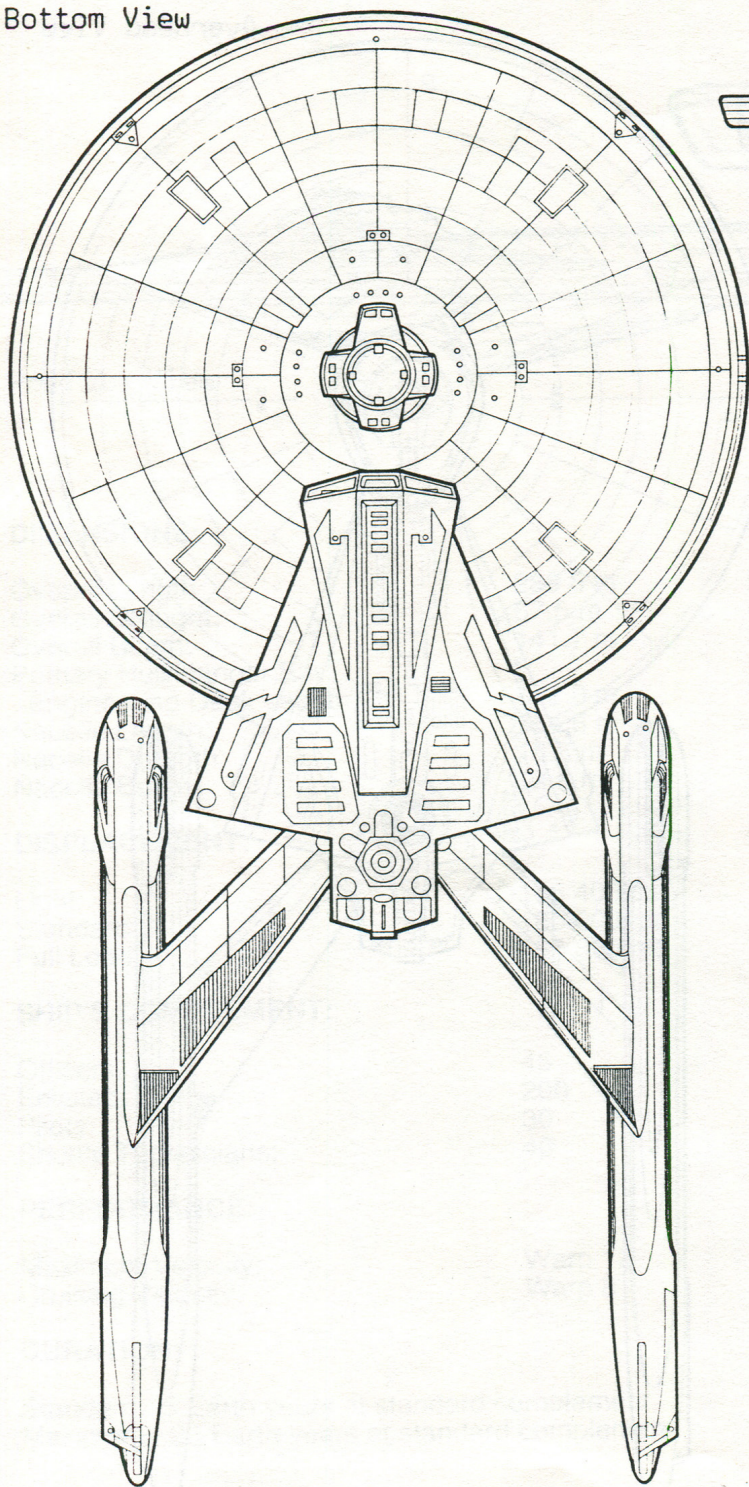
Propulsion:

- 2 LED ST II Dilithium Engineered Antimatter Linear Warp Drive Units (System Contractor: Fermi Engine Systems, Italy, Earth)
- 2 Subatomic Unified Energy Impulse Units; Quasar Particle Beam Maneuvering Thrusters (System Contractor: Sikolonav Propulsions, Kiev, USSR, Earth)
- "Wolverine" Pulsed Laser Reaction Control System (System Contractor: Chemacron Laser Propulsions, Limarrshah, Alhena, Gamma Delphini)

Support Vehicles:

- 10 "Berserker" Class Duobee armed shuttles with add on "Spitball" Weapon/Warp Engine Pods
- 2 Class 3 Mk B/OT Work Bees
- 6 "Sweet Flo" (10 man) L.A.P./88-9s Lifeboats

Bottom View



Aft View

Listing of NIVEN Class

NAME	Contract	Commissioned	Status
Niven*	NCC-4825	04 Jan, 2278	Active
Yaachamos	NCC-4826	06 Feb, 2278	Active
Barry	NCC-4827	17 June, 2278	Reserve
Bourassa	NCC-4828	10 July, 2278	Destroyed
Ishtar	NCC-4829	13 Aug, 2278	Refit
Smith	NCC-4830	02 Nov, 2278	Active
Ubermensch	NCC-4831	29 Nov, 2278	Active
Kelley	NCC-4832	24 Dec, 2278	Active
H'Karro	NCC-4833	10 Jan, 2279	Active
Tikarmpo	NCC-4834	26 Jan, 2279	Reserve
Kanner	NCC-4835	29 Mar, 2279	Decomm.
Leggett	NCC-4836	04 May, 2279	Active
Felkl	NCC-4837	06 June, 2279	Active
Anderson	NCC-4838	14 July, 2279	Active
Bochneck	NCC-4839	29 Aug, 2279	Refit
Louis Wu	NCC-4840	14 Nov, 2279	Active
Ralph	NCC-4841	08 Jan, 2280	Destroyed
Montgomery	NCC-4842	23 Feb, 2280	Active
Shahtomata	NCC-4943	05 Apr, 2280	Decomm.
F. Josephs	NCC-4844	01 May, 2280	Active
Braithwaite	NCC-4845	08 July, 2280	Active
Callahan	NCC-4846	26 Aug, 2280	Active
Demelo	NCC-4847	14 Sept, 2280	Active
Boyington	NCC-4848	06 Nov, 2280	Destroyed
Adamcek	NCC-4849	02 Feb, 2281	Active
Rommel	NCC-4850	14 Feb, 2281	Active
Wakkadingho	NCC-4851	21 May, 2281	Active
Robinson	NCC-4852	16 June, 2281	Active
Fimmschaal	NCC-4853	30 Aug, 2281	Reserve
Marchand	NCC-4854	06 Sept, 2281	Active
Schneider	NCC-4855	04 Oct, 2281	Active
Jein	NCC-4856	15 Nov, 2281	Active
Bottke	NCC-4857	14 Feb, 2282	Active
V'aacht	NCC-4858	15 Mar, 2282	Active
Dart	NCC-4859	01 May, 2282	Active
McGee	NCC-4869	20 May, 2282	Active

*Class Vessel

BACKGROUND HISTORY OF THE NIVEN LIGHT ATTACK CRUISER

In 2273, as a result of increasing Romulan incursions into Federation territory, Starfleet's Chief of Staff in ship procurement vocalized the idea that a fast light attack cruiser was needed to "discourage" the Romulans by intimidating their border outposts.

In 2274, the idea was formally proposed and funds were finally allocated in mid '75. In 2276, designs were submitted to the Admiralty, and by early 2277, after usual bureaucratic red tape by typically dim-witted politicians, designs were approved and construction commenced. By 04 January 2278, the *USS Niven* (NCC-4825) was completed, and thrust into battle.

For the sake of efficiency, many modular components that could be utilized had been developed. One example was the standard 3/4 primary hull construction used along with a newly designed and mass-produced, self-sufficient "clip on" hangar bay/engineering deck.

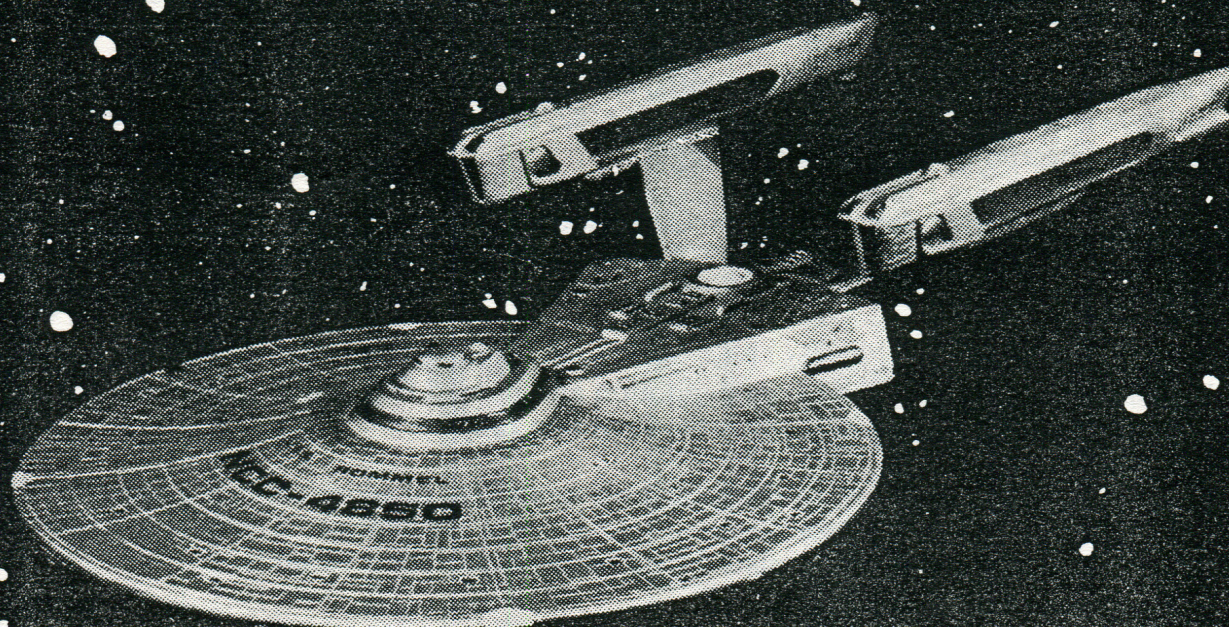
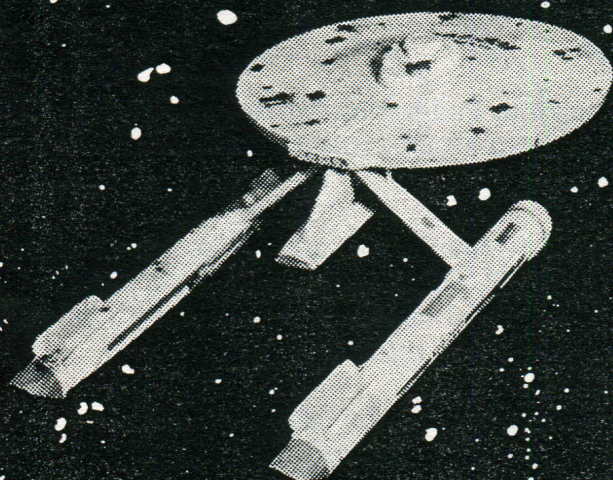
An interstellar assembly line was devised to further efficiency in construction. Basic ship components were gathered from all the system contractors by the Cliché Warp Courier Service, and delivered to the Gauthier-Essiembre Shipyards in orbit around Nouveau St-Denis in the Q-AMPSF Solar System.

This assembly line, in round the clock shifts, became so proficient that a pace of 8 ships a year were laid down at the G-E Shipyards, and by mid '82, the entire complement of 36 vessels were completed in time and unbelievably on budget.

While many critics may claim the *Niven* Class starship, with her wedge-shaped hangar bay/engineering deck, may closely resemble an *Avenger* Class Frigate, her high speed, tight maneuvering capabilities, along with her ten armed shuttles put the *Niven* in the Light Attack Cruiser Class.

One vessel of note: the *USS Rommel* NCC-4850 with Captain Henry Friess and his crew were awarded Starfleet's second highest commendation and named flagship of the Retaliatory Fleet for her exploits in the valiant defense against the Romulan Empire.

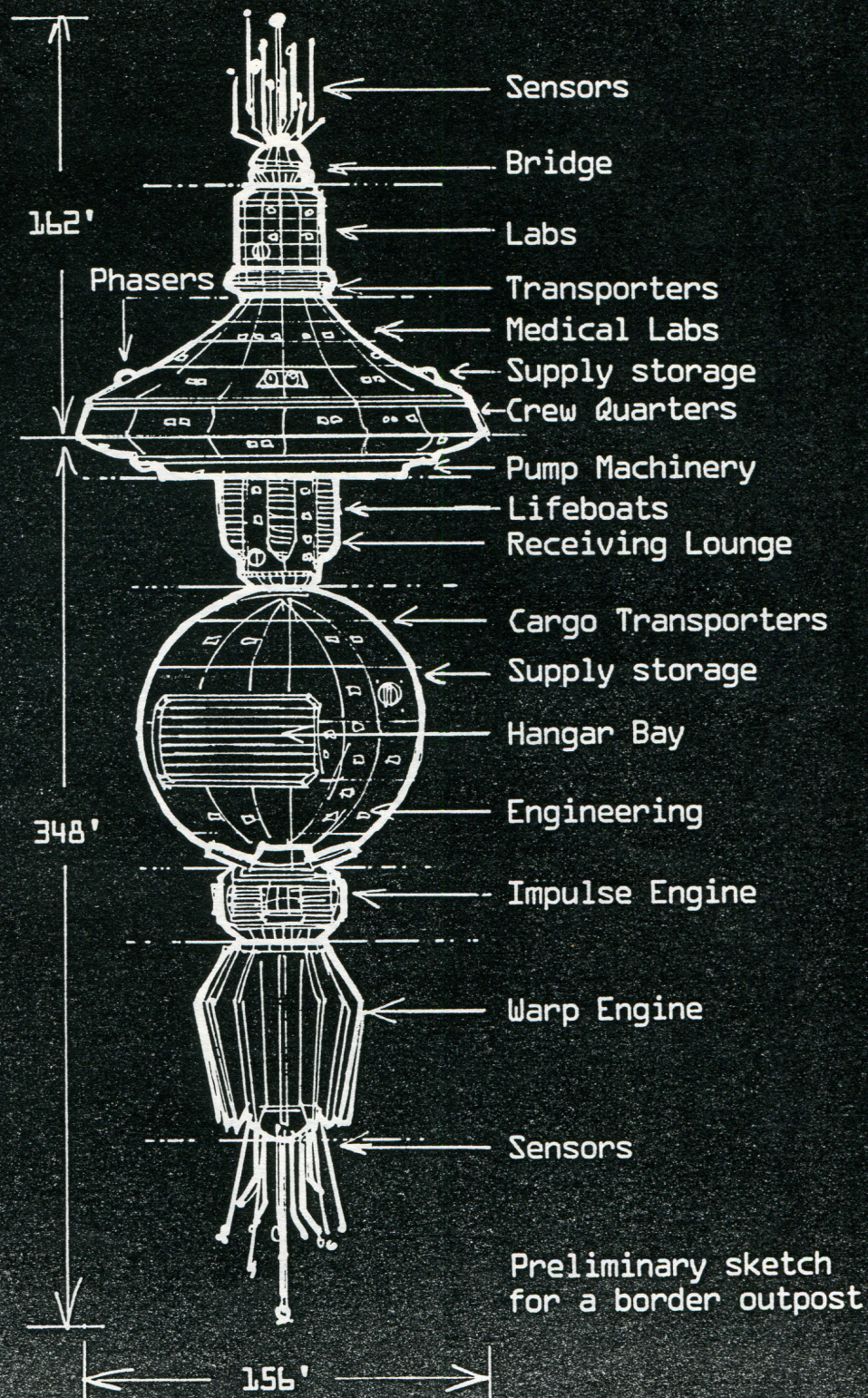
With some *Niven* Class vessels entering their eleventh year of active service, a handful of the older vessels are being relegated to a peacekeeping role in space exploration. Their complement of armed shuttles are being phased out and replaced by science/exploration variants.



NIVEN class attack cruiser USS ROMMEL {NCC 4850}
on manoeuvres with the tug USS TRUMBULL {NCC 2001}

All illustrations and text: ©Prometheus Graphics 1989

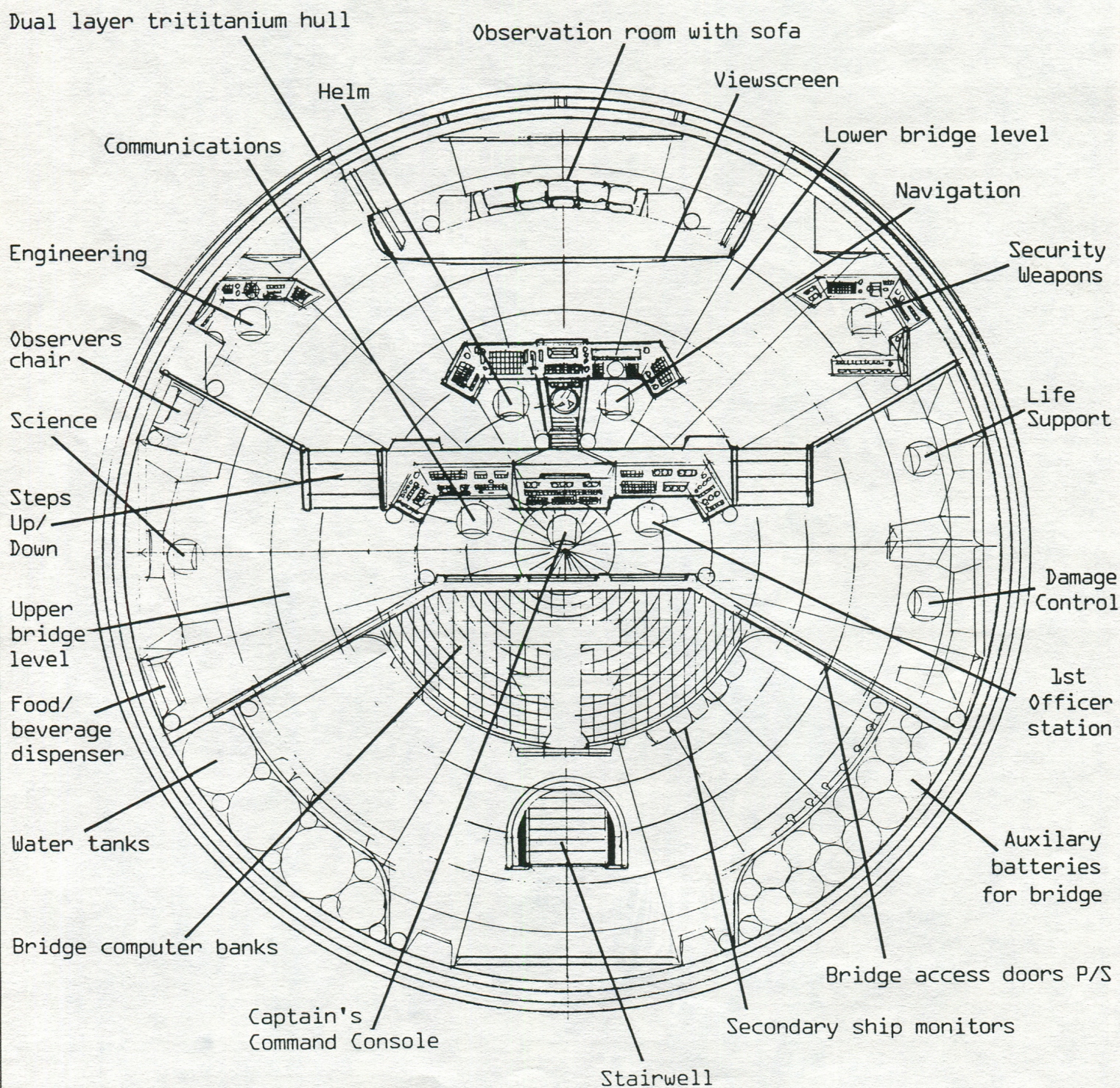
SKETCHES FROM A STARSHIP DESIGNER'S NOTEBOOK



SKETCHES FROM A STARSHIP DESIGNER'S NOTEBOOK

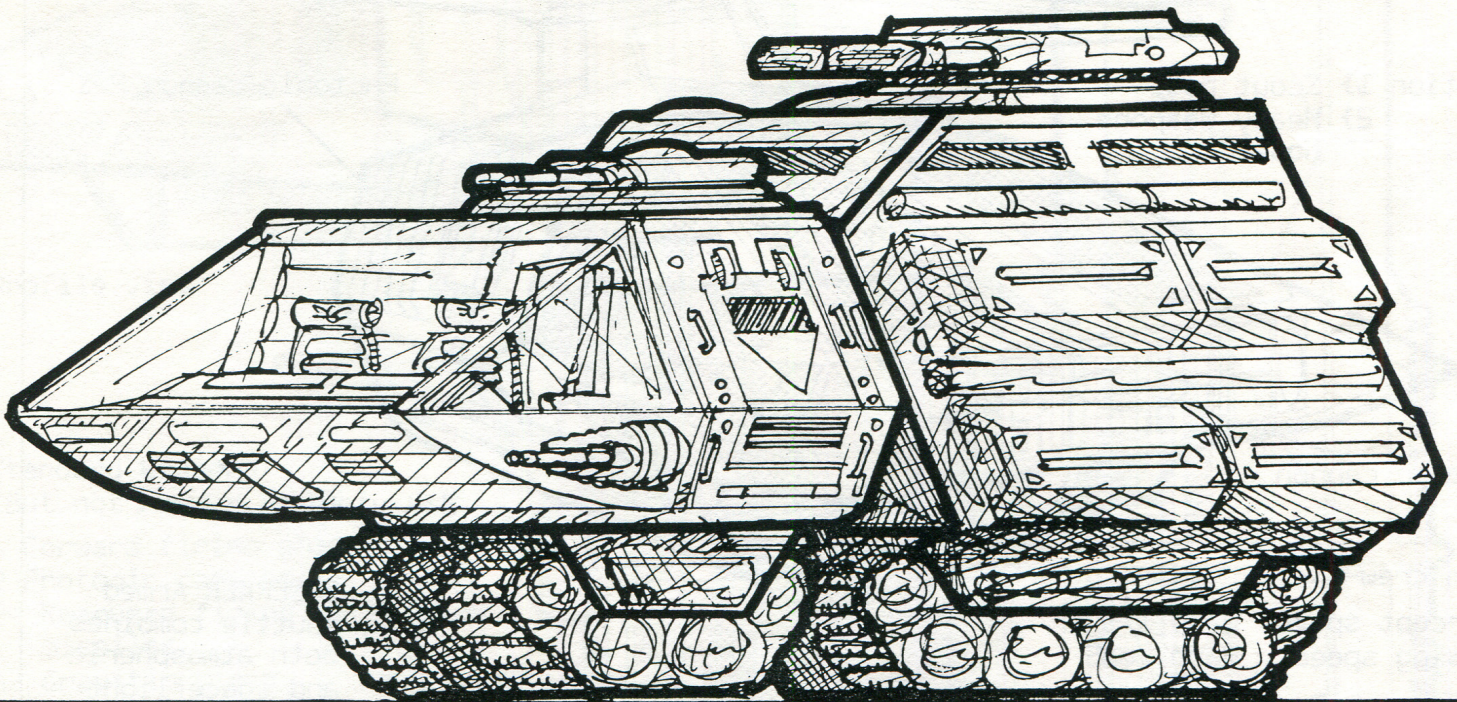
Proposed bridge design of advanced exploration scout.

USS PROMETHEUS CLASS



SKETCHES FROM A STARSHIP DESIGNER'S NOTEBOOK

BIG BERTHA TANDEM GROUND ASSAULT VEHICULE



Crew:3-Pilot,Navigator,Gunner

Ground Speed:Maximum 275 Kmph

Weapons:4 Heavy duty Assault Phasers
2 Defensive "Stinger" Phasers
48 Land/Air/Sea Photon missiles

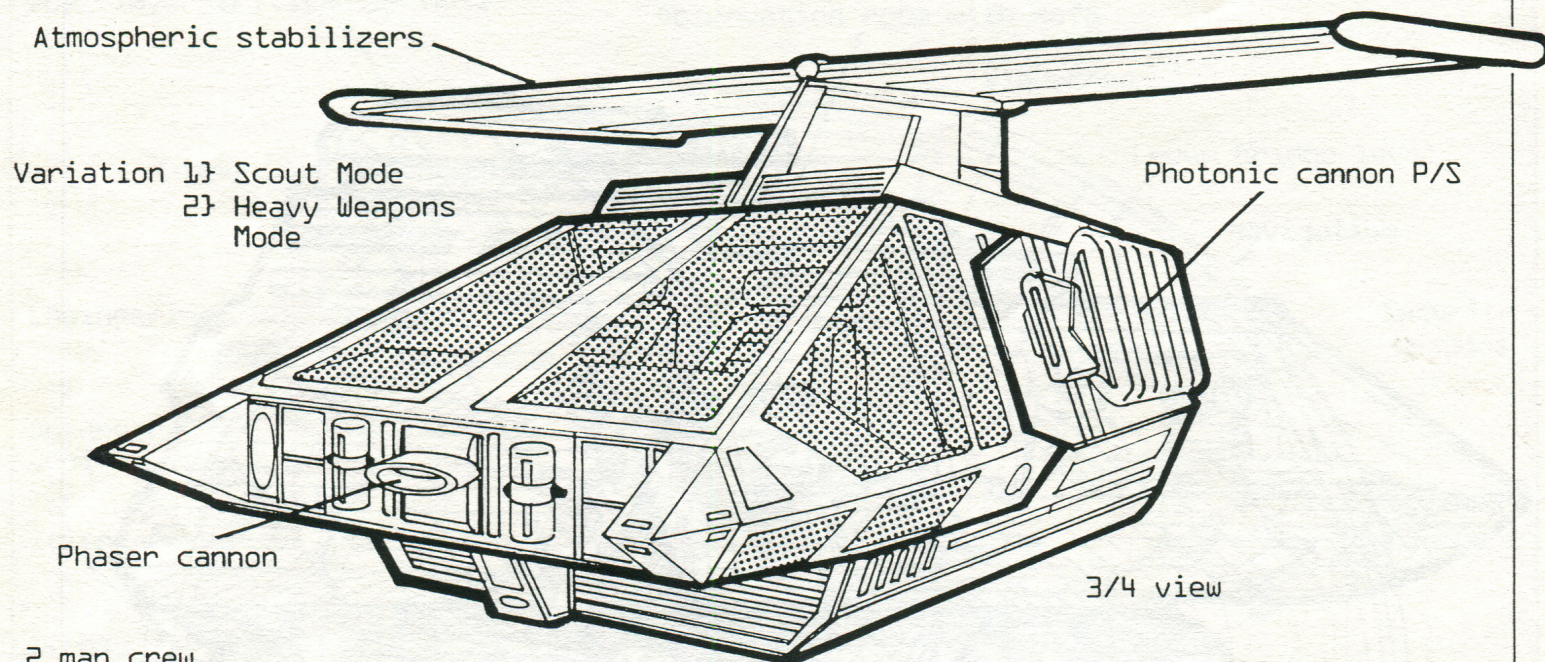
Range:4800 Km before refuelling

Weight:12.6 tons-empty
14.8 tons-fully loaded

Special Features:Each unit fully independant from one another. Full life support capability. Vessel can remain fully submerged in any liquid environment and maintain full weapon readiness.

SKETCHES FROM A STARSHIP DESIGNER'S NOTEBOOK

BESERKER Class Duobee Armed Shuttle with
add-on "Spitball" weapon/warp engine pods



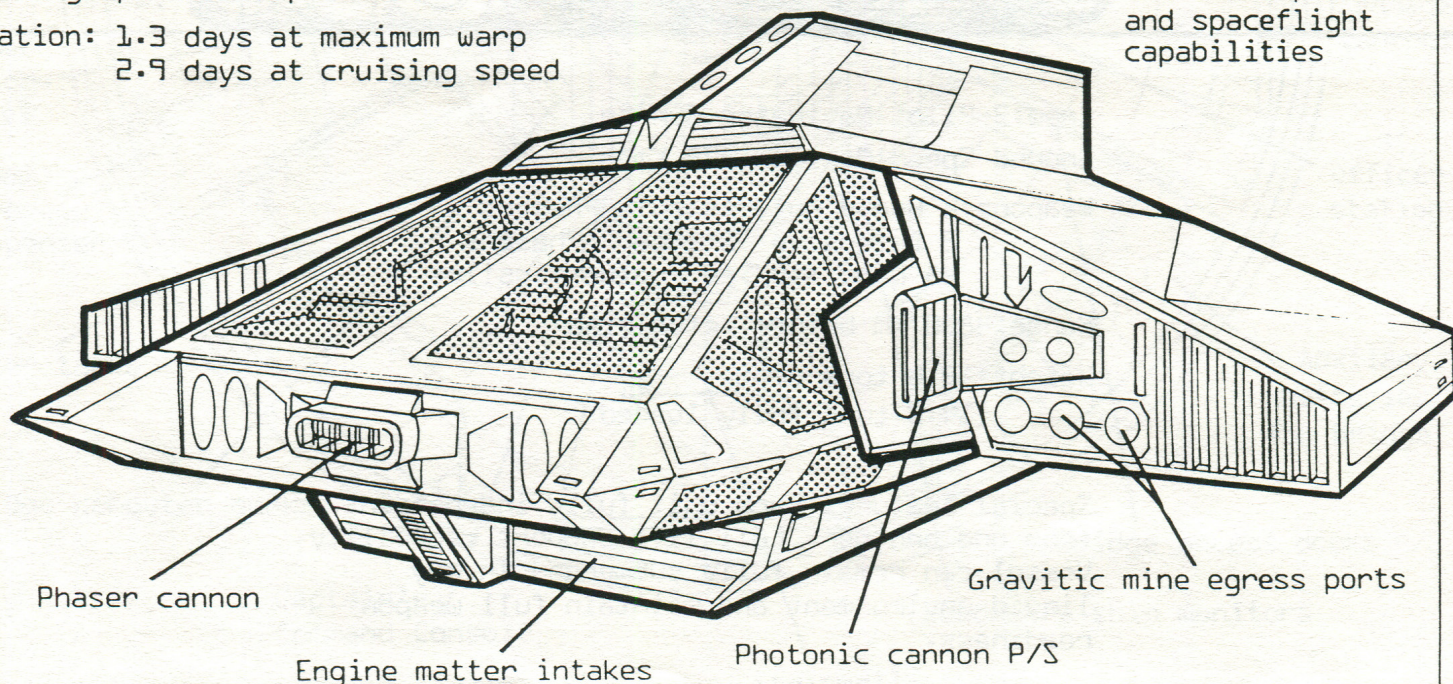
2 man crew

Intercept speed: Warp 1.3

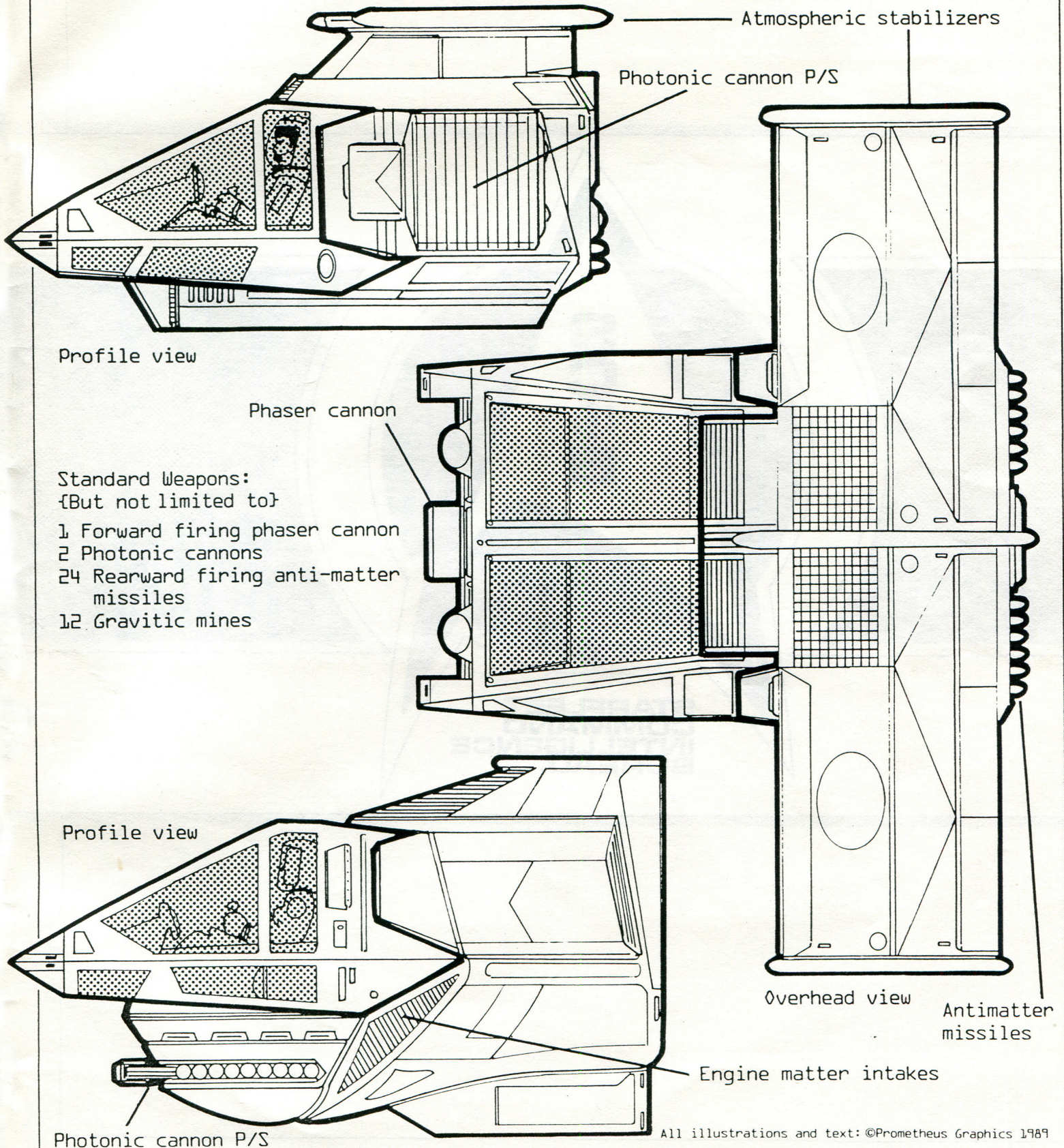
Cruising speed: Warp .085

Duration: 1.3 days at maximum warp
2.9 days at cruising speed

BESERKER Armed
shuttle combines
both atmospheric
and spaceflight
capabilities



SKETCHES FROM A STARSHIP DESIGNER'S NOTEBOOK



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