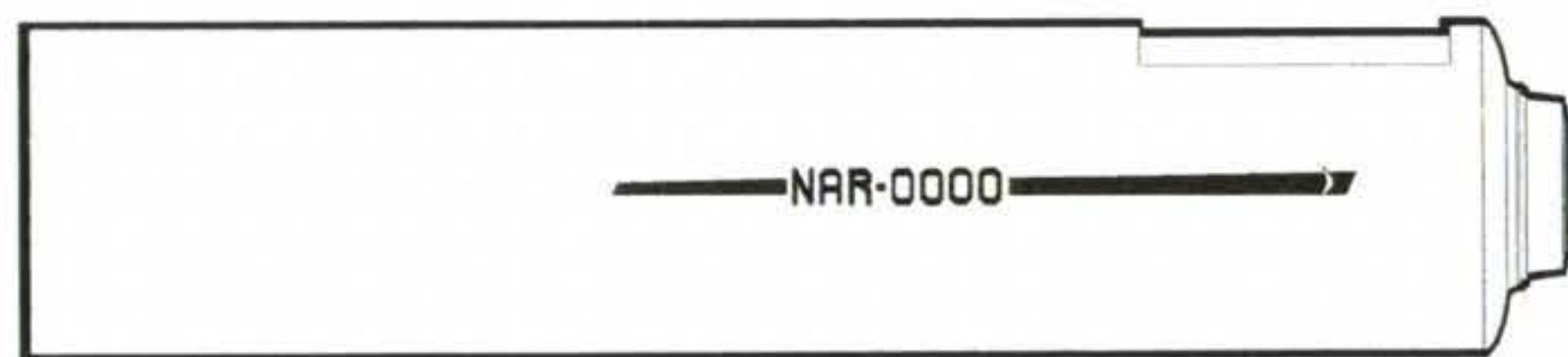


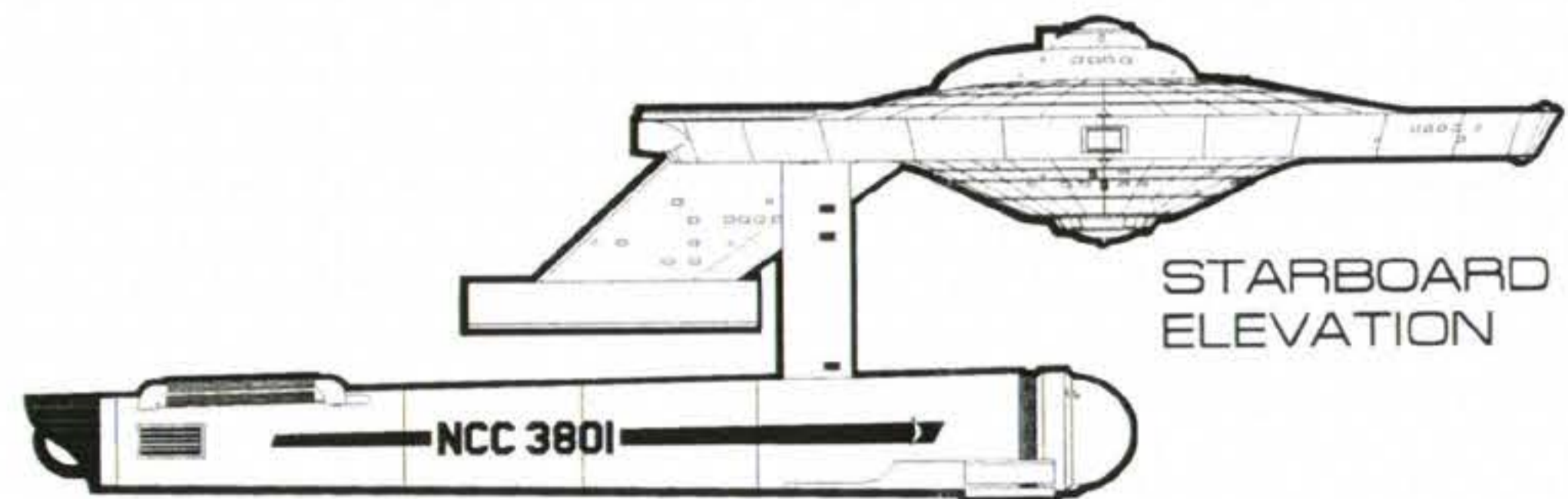


PTOLEMY-CLASS STARSHIP

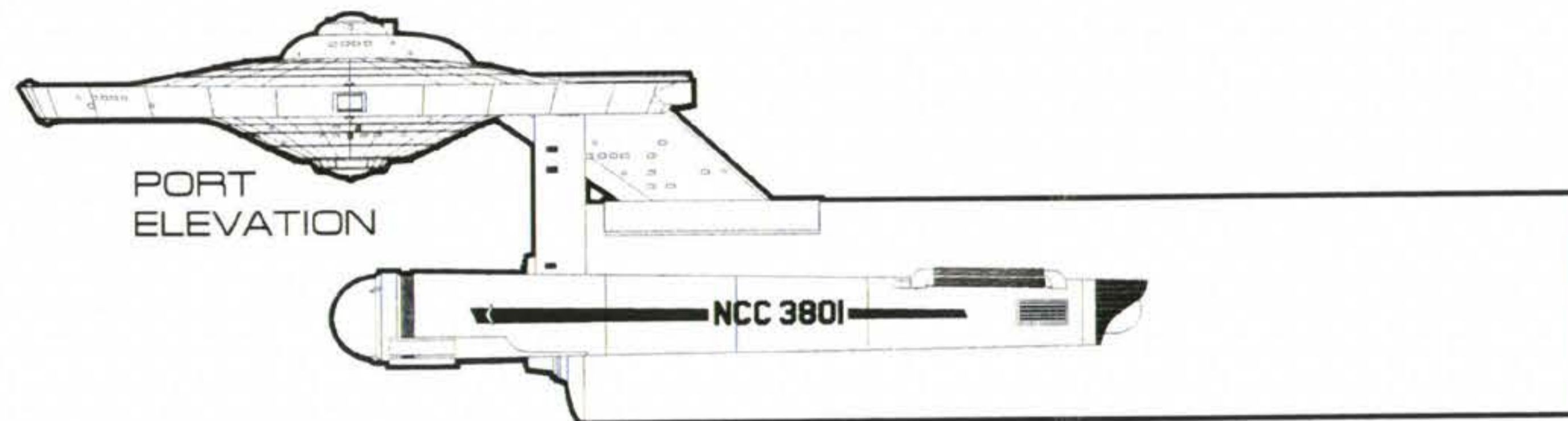
TRANSPORT TUG U.S.S. PTOLEMY NCC-3801



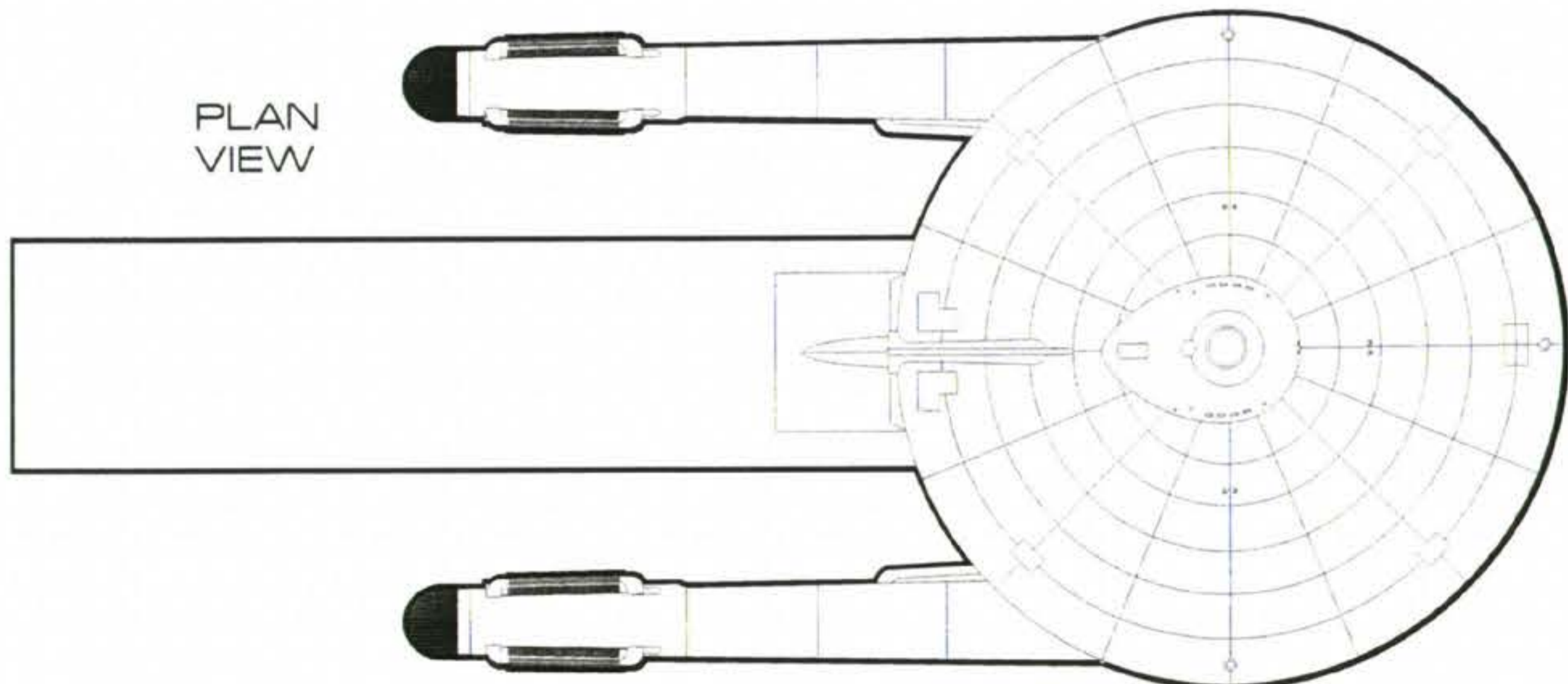
CARGO POD
STARBOARD
ELEVATION



STARBOARD
ELEVATION



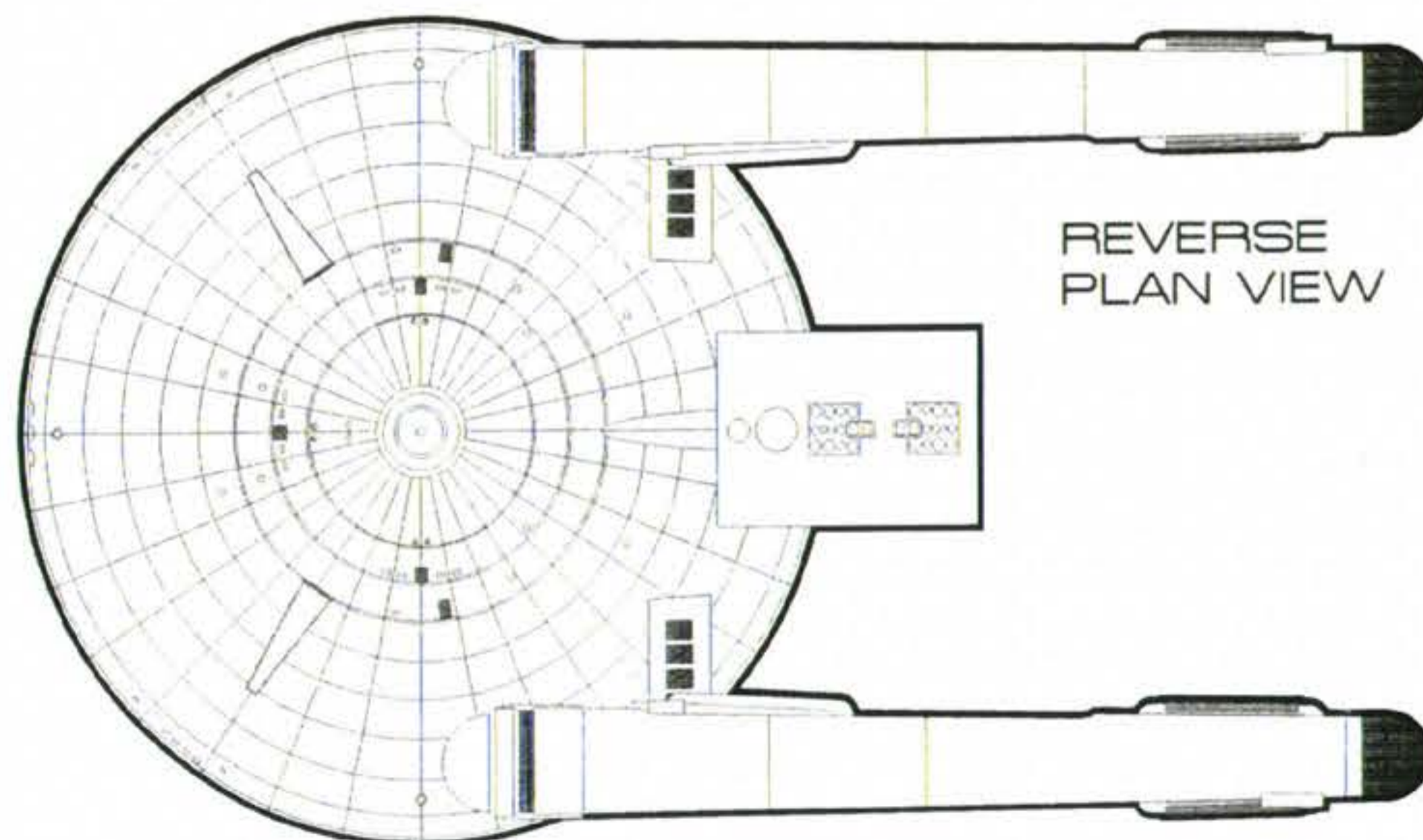
PORT
ELEVATION



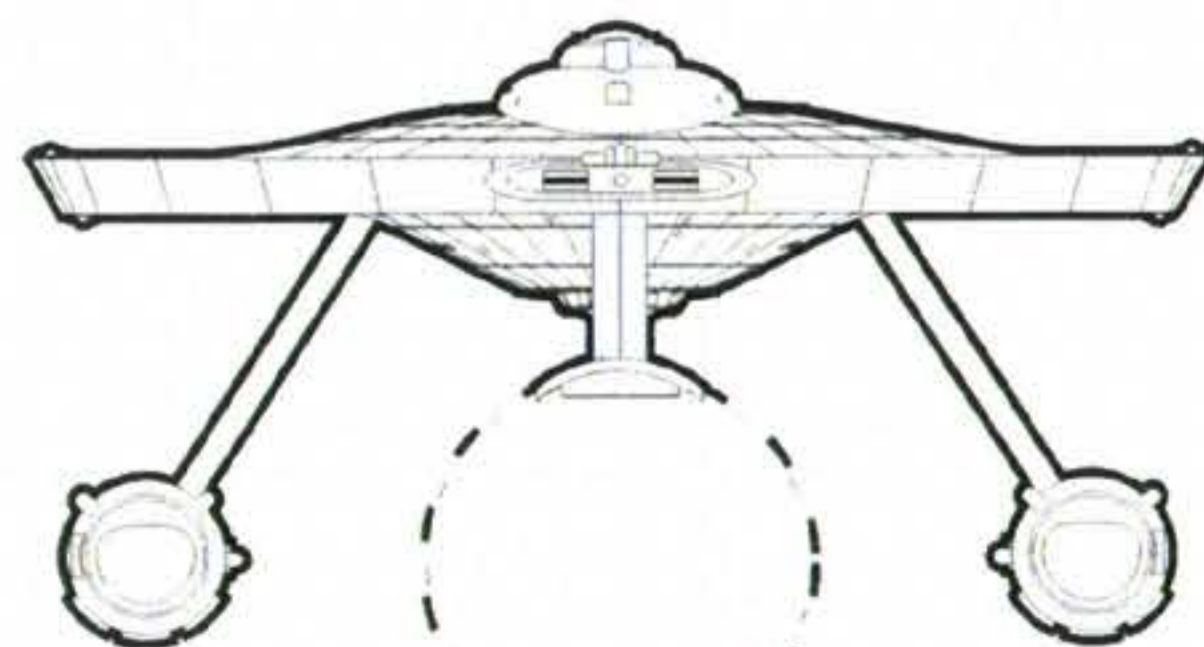
PLAN
VIEW



FORWARD
ELEVATION



REVERSE
PLAN VIEW



AFT
ELEVATION

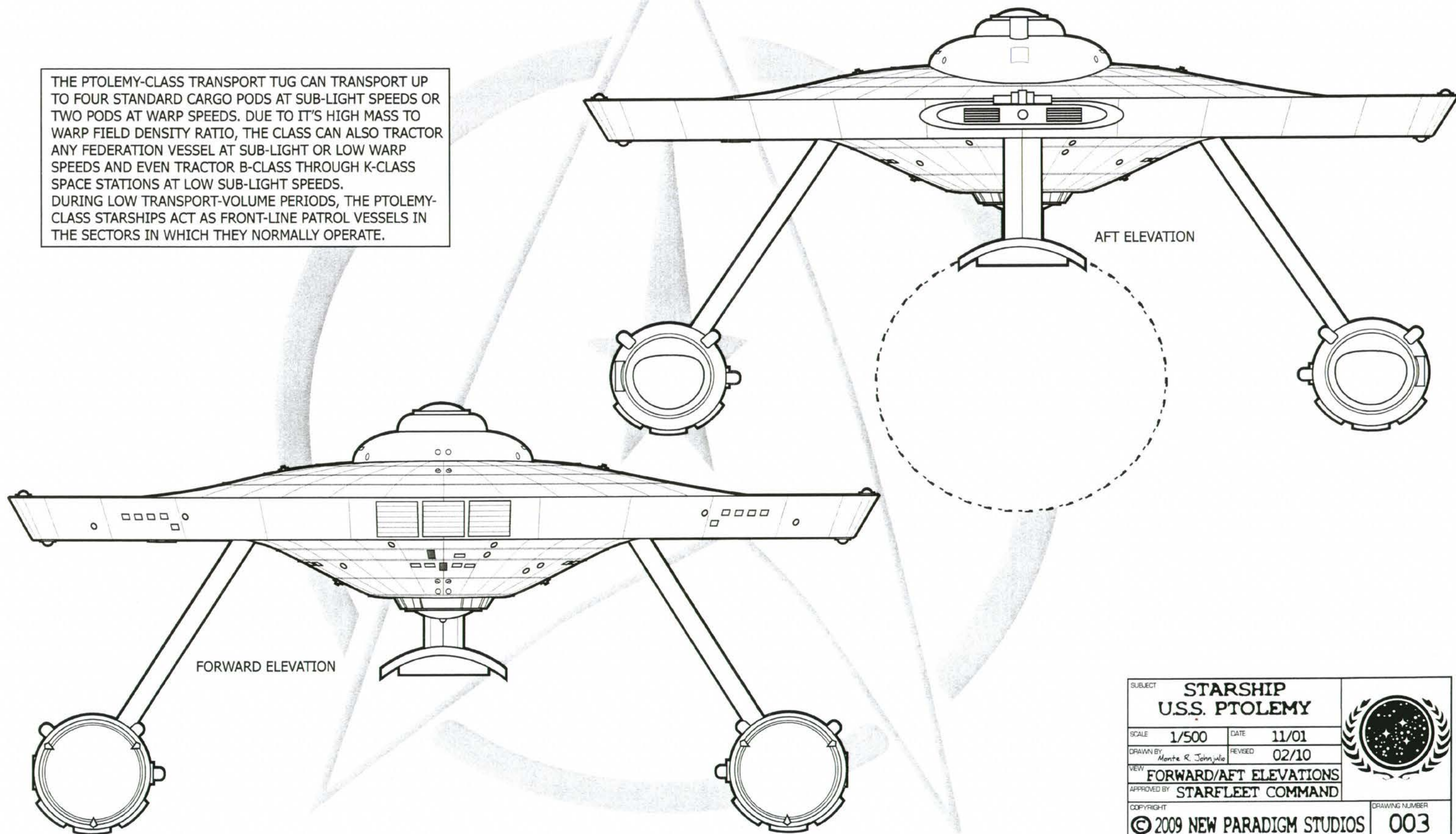
SPECIFICATIONS AND CAPACITIES


NOMENCLATURE.....	PTOLEMY
NAVAL CONSTRUCTION CONTRACT NUMBER.....	3801
CLASS.....	TRANSPORT TUG
DESIGNATION.....	LOGISTICAL SUPPORT, COMBAT
CONTROLLING AUTHORITY.....	STARFLEET COMMAND
CLASS LEADER.....	USS PTOLEMY, NCC-3801
CONSTRUCTION COMMENCED.....	31 JANUARY, 2243
LAUNCHED.....	17 NOVEMBER, 2244
COMMISSIONED.....	11 AUGUST, 2245
CONSTRUCTION SITE.....	SAN FRANCISCO ORBITAL SHIPYARDS
LOA.....	219.7 METERS
WOA.....	130.4 METERS
HOA.....	70.4 METERS
PRIMARY HULL LOA.....	132.8 METERS
PRIMARY HULL WOA.....	130.4 METERS
PRIMARY HULL HOA.....	33.5 METERS
WARP NACELLE LOA.....	158.3 METERS
WARP NACELLE WOA.....	17.3 METERS
WARP NACELLE HOA.....	17.8 METERS
GROSS WEIGHT LOADED.....	154,225 METRIC TONNES
SPACE FRAME LIFE EXPECTANCY.....	40 YEARS
WARP RANGE TO CONSUMABLES EXHAUSTION.....	5 YEARS MAXIMUM
IMPULSE RANGE TO CONSUMABLES EXHAUSTION.....	18 YEARS MAXIMUM
TIME TO WARP COIL REPLACEMENT.....	95,000 HOURS
TIME TO IMPULSE STACK REPLACEMENT.....	75,000 HOURS
CRUISE SPEED*.....	WARP FACTOR 5
MAXIMUM SAFE SPEED*.....	WARP FACTOR 6
EMERGENCY WARP SPEED*.....	WARP FACTOR 8
MAXIMUM IMPULSE ACCELERATION*.....	35 G's
PHASERS.....	8 BANKS/16 EMITTERS-TYPE 2
PHOTON TORPEDOES.....	2 TUBES FWD
TORPEDO CASINGS.....	120
PROBE COMPLIMENT.....	55 TYPES A-H
SHUTTLES CRAFT.....	0
HEAVY MAINTENANCE MMU's.....	12
EVA SUITS.....	55 STANDARD, 26 EXTENDED DURATION
TRANSPORTERS.....	4 PERS., 4 CARGO, 2 EMERGENCY
TRACTOR BEAM EMITTERS.....	1 PRIMARY, 6 SECONDARY
OFFICER COMPLIMENT.....	37
CREW COMPLIMENT.....	198
TOTAL COMPLIMENT.....	235
PASSENGER CAPACITY.....	100 (DOUBLE OCCUPANCY)
COMMANDING OFFICERS.....	KALILE KAH, LAURAA. LEONARD, DORMAN DOVE, MICHEAL COLLINS
CURRENT DISPOSITION.....	INACTIVE FLEET RESERVES

SUBJECT		STARSHIP U.S.S. PTOLEMY		
SCALE	1/1600	DATE	11/01	
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VIEW				
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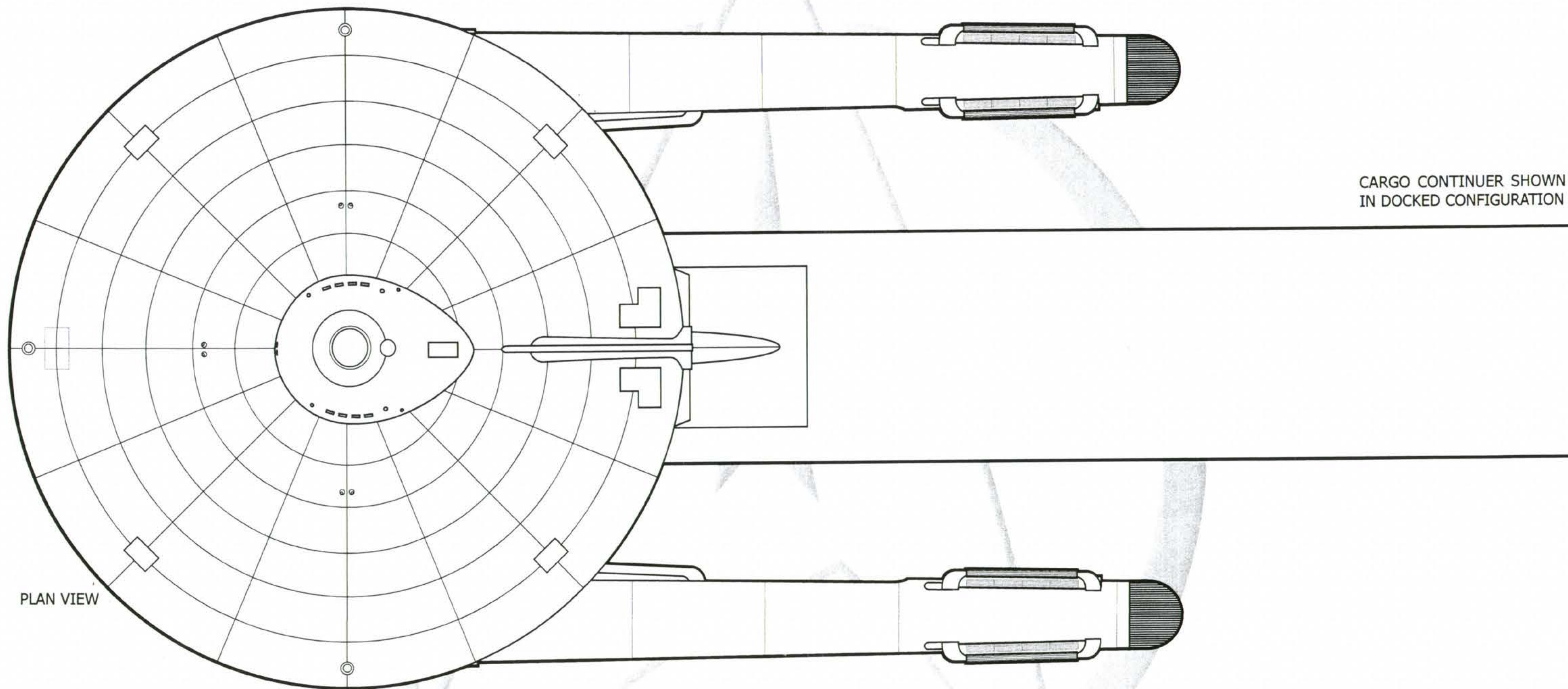
PTOLEMY-CLASS STARSHIP TRANSPORT TUG U.S.S. PTOLEMY NCC-3801

THE PTOLEMY-CLASS TRANSPORT TUG CAN TRANSPORT UP TO FOUR STANDARD CARGO PODS AT SUB-LIGHT SPEEDS OR TWO PODS AT WARP SPEEDS. DUE TO IT'S HIGH MASS TO WARP FIELD DENSITY RATIO, THE CLASS CAN ALSO TRACTOR ANY FEDERATION VESSEL AT SUB-LIGHT OR LOW WARP SPEEDS AND EVEN TRACTOR B-CLASS THROUGH K-CLASS SPACE STATIONS AT LOW SUB-LIGHT SPEEDS. DURING LOW TRANSPORT-VOLUME PERIODS, THE PTOLEMY-CLASS STARSHIPS ACT AS FRONT-LINE PATROL VESSELS IN THE SECTORS IN WHICH THEY NORMALLY OPERATE.



SUBJECT		STARSHIP U.S.S. PTOLEMY		
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PTOLEMY-CLASS STARSHIP TRANSPORT TUG U.S.S. PTOLEMY NCC-3801



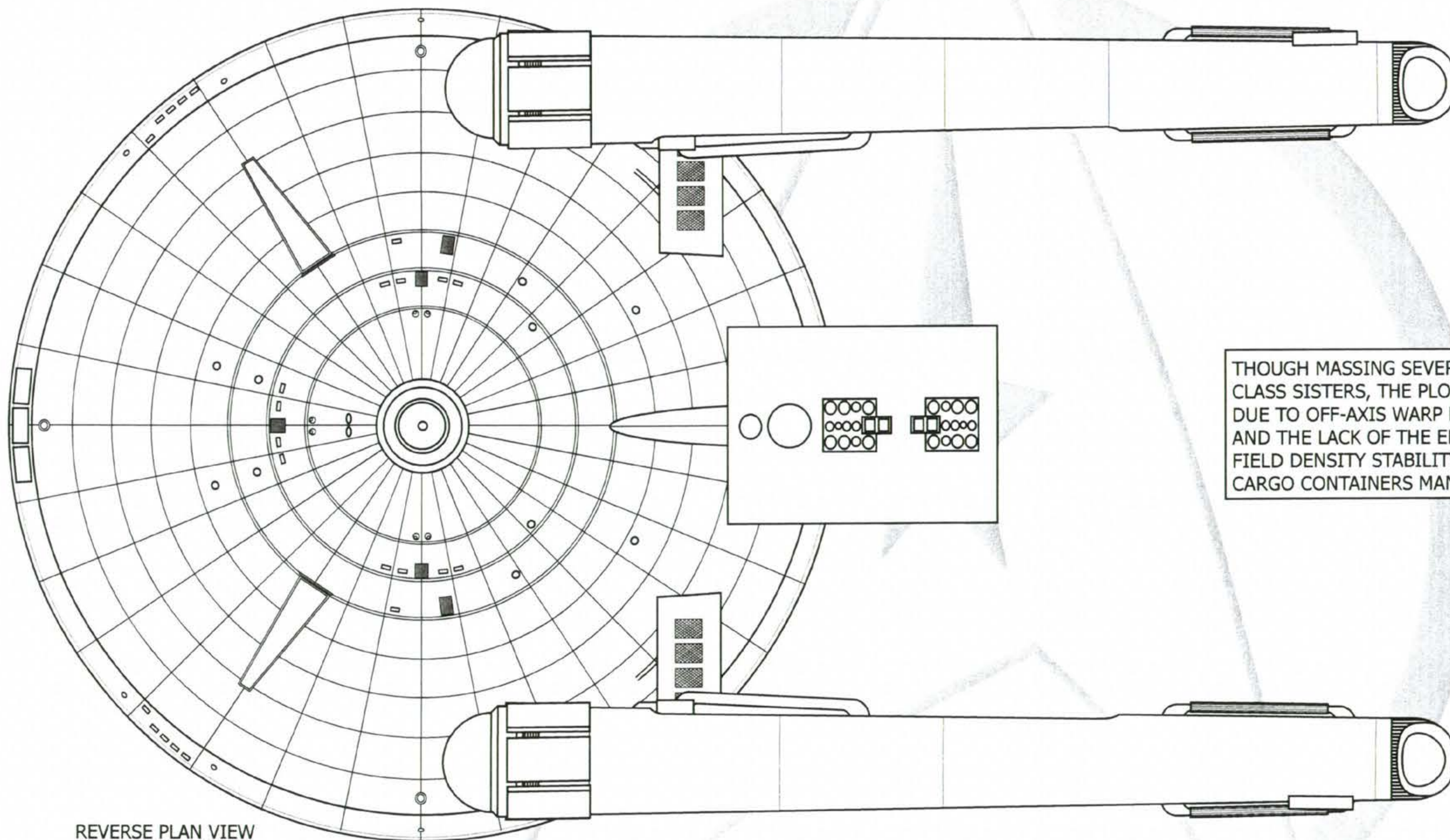
PLAN VIEW

CARGO CONTINUER SHOWN IN DOCKED CONFIGURATION

THOUGH THE CONSTITUTION-CLASS STARSHIP HAS BEEN THE STARFLEET VESSEL THAT HAS HISTORICALLY RECEIVED THE MOST ATTENTION FOR THE CLASS'S MANY SUCCESSES, THE PTOLEMY-CLASS CAN ARGUABLY BE CONSIDERED THE MORE SUCCESSFUL OF THE TWO, EVEN THOUGH IT WAS A DESIGN BASED ON AN AFTERTHOUGHT. COMMERCE IS OFTEN SITED AS ONE OF THE MOST IMPORTANT "GLUES" THAT BIND THE MEMBER PLANETS OF THE FEDERATION TOGETHER AND THE TRANSPORT TUG, MORE THAN ANY OTHER STARFLEET VESSEL, HAS PROMOTED, SUSTAINED AND ADVANCED TRADE AND ECONOMIC GROWTH OVER ITS LONG LIFE. ACCORDING TO A RECENT ESTIMATE BY THE FEDERATION COUNCIL ON ECONOMIC DEVELOPMENT, THE PTOLEMY-CLASS TRANSPORT TUG AND VARIANTS HAVE HAULED MORE THAN 6.2 TRILLION METRIC TONNES OF CARGO OVER THEIR OPERATION LIFETIMES. AGAIN, NOT BAD FOR AN AFTERTHOUGHT DESIGN.

SUBJECT		STARSHIP U.S.S. PTOLEMY		
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VIEW	PLAN VIEW			
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PTOLEMY-CLASS STARSHIP TRANSPORT TUG U.S.S. PTOLEMY NCC-3801

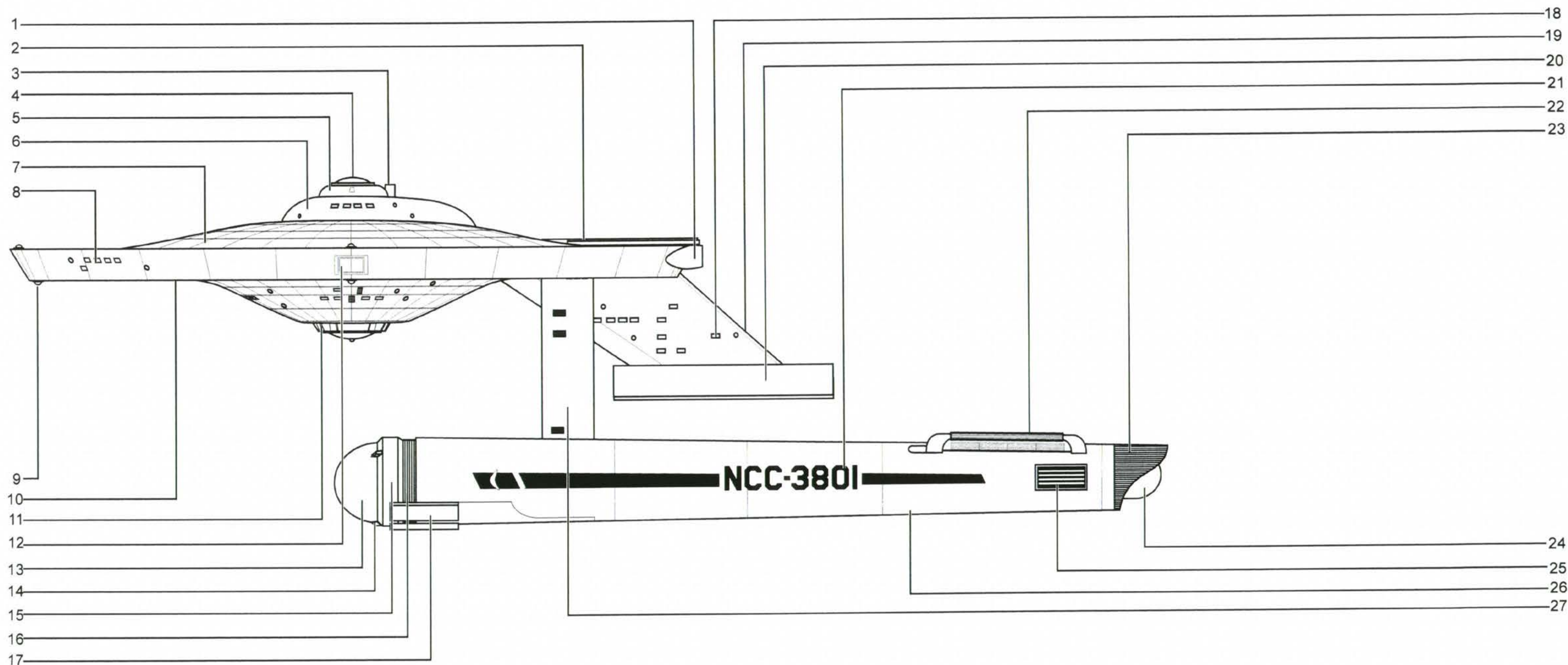


THOUGH MASSING SEVERAL THOUSAND TONS LESS THAN THEIR CONSTITUTION-CLASS SISTERS, THE PTOLEMY-CLASS VESSELS ARE ACTUALLY SLIGHTLY SLOWER DUE TO OFF-AXIS WARP FIELD ASYMMETRY CAUSED BY THE LOW-SLUNG NACELLES AND THE LACK OF THE ENGINEERING HULL. THEY DO, HOWEVER, EXCEL AT WARP FIELD DENSITY STABILITY WHICH IS WHAT GIVES THEM THE ABILITY TO TOW CARGO CONTAINERS MANY TIMES THEIR MASS.

REVERSE PLAN VIEW

SUBJECT		STARSHIP U.S.S. PTOLEMY		
SCALE	1/700	DATE	11/01	
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VIEW				
REVERSE PLAN VIEW				
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PTOLEMY-CLASS STARSHIP TRANSPORT TUG U.S.S. PTOLEMY NCC-3801



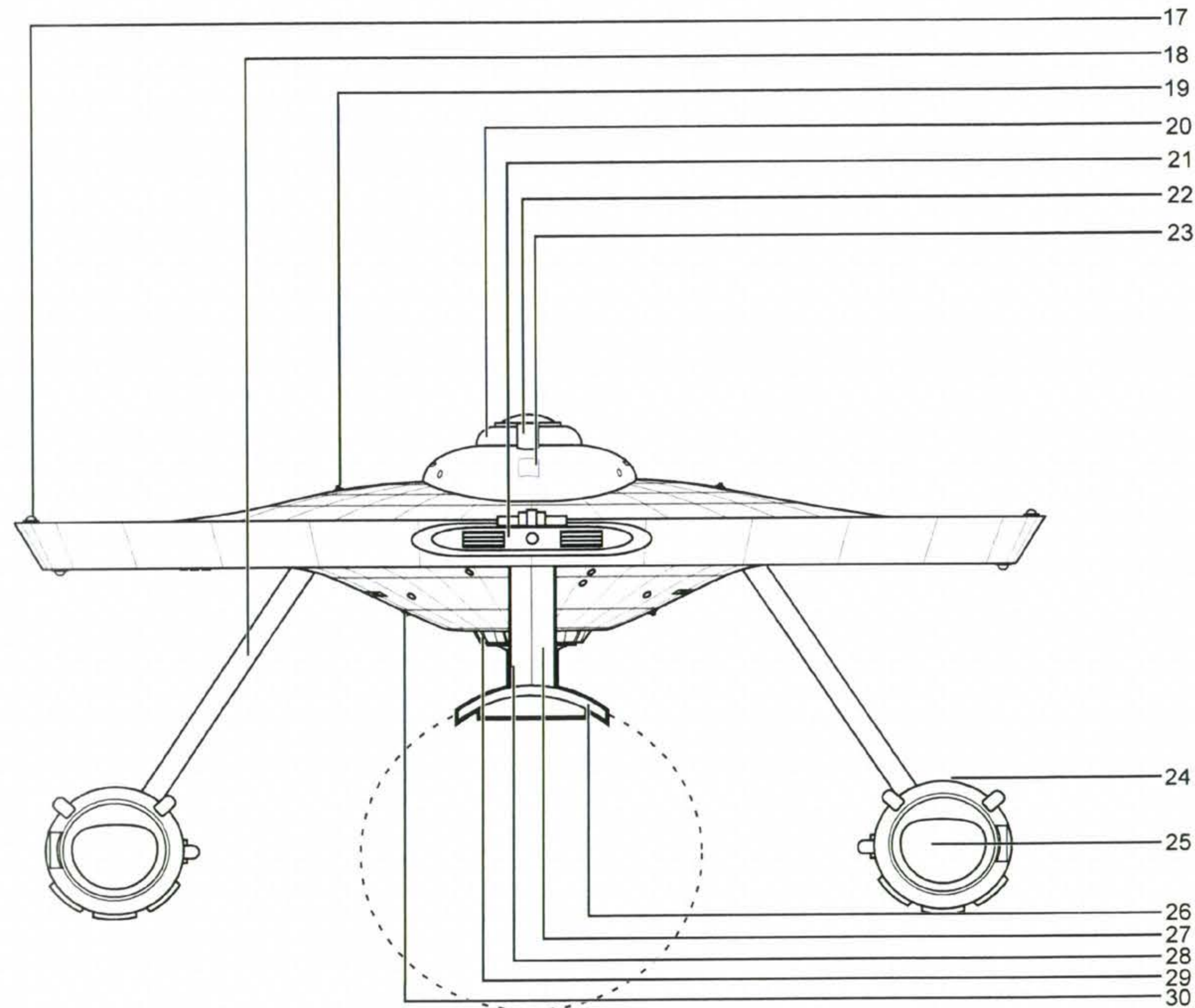
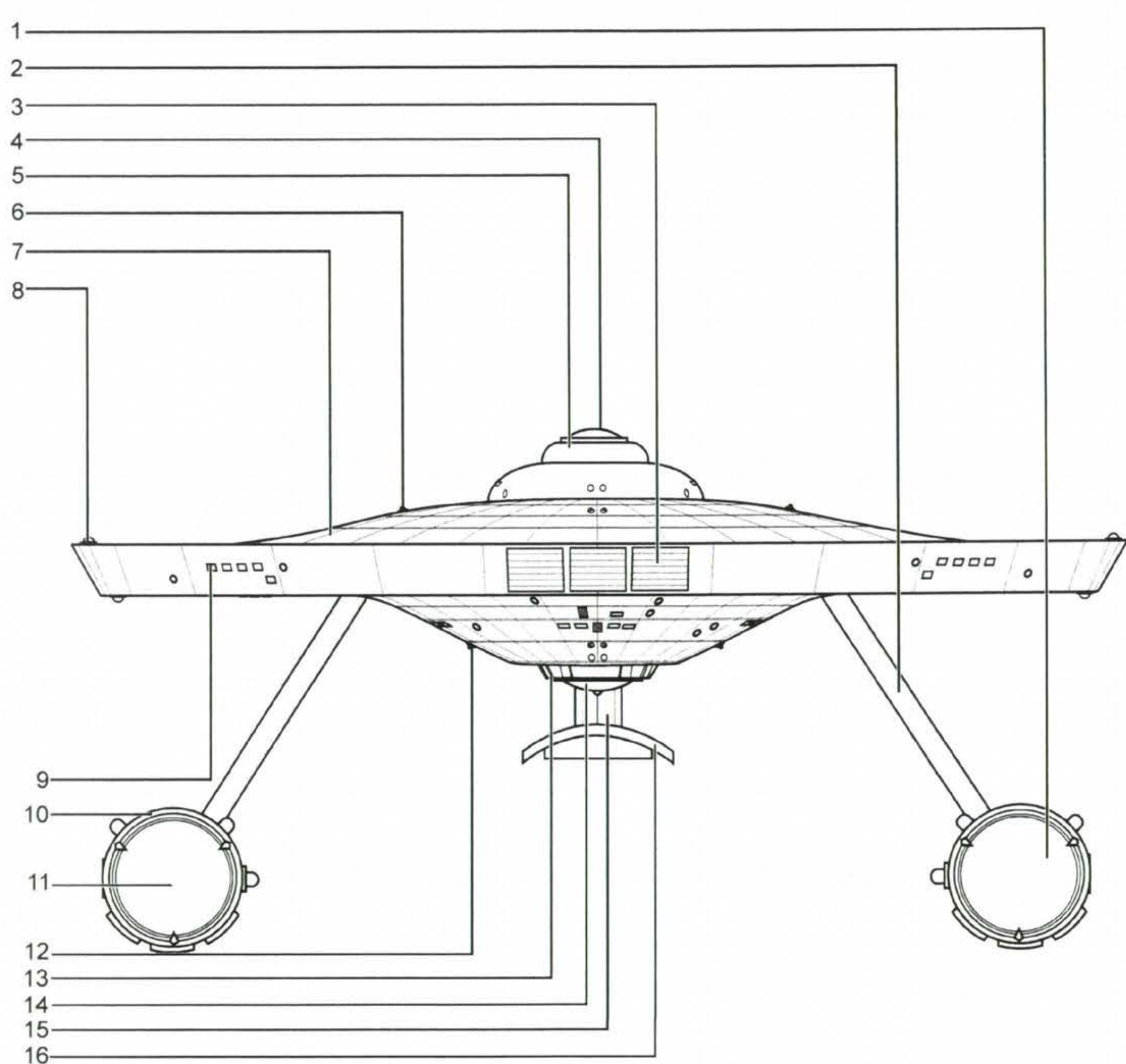
1. IMPULSE ENGINE ASSEMBLY
2. ACCELERATOR MAG-COILS
3. TURBO-LIFT DOCKING INTERFACE
4. UPPER MAIN SCANNER ARRAY
5. MAIN BRIDGE MODULE
6. COMMAND SUPERSTRUCTURE
7. SHIELD EMITTER GRID
8. VIEWPORT (TYPICAL)
9. NAVIGATION MARKER

10. PRIMARY HULL
11. PLANETARY SCANNER ARRAY PLATFORM
12. DOCKING PORT/MAIN GANGWAY
13. BUSSARD COLLECTOR
14. MAGNETIC/GRAVIMETRIC FIELD SENSOR
15. PARTICLE DECELERATION COIL
16. PARTICLE VENTING ASSEMBLY
17. FIELD SHAPING COILS
18. VIEWPORT (TYPICAL)

19. HULL CONNECTING PYLON
20. CONTAINER DOCKING ASSEMBLY
21. ID REGISTRATION PENNANT
22. POST STAGE FLUX INTERCOOLER
23. MAG-FLOW SHIELDING COWL
24. SPACE MATRIX RESTORATION COIL
25. POST-STAGE FLUX TUNER
26. WARP ENGINE NACELLE
27. WARP ENGINE SUPPORT PYLON

SUBJECT		STARSHIP U.S.S. PTOLEMY		
SCALE	1/650	DATE	11/01	
DRAWN BY	Monte R. Johnjula	REVISED	02/10	
VIEW	EXTERNAL ARRANGEMENT			
APPROVED BY	STARFLEET COMMAND			
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PTOLEMY-CLASS STARSHIP TRANSPORT TUG U.S.S. PTOLEMY NCC-3801



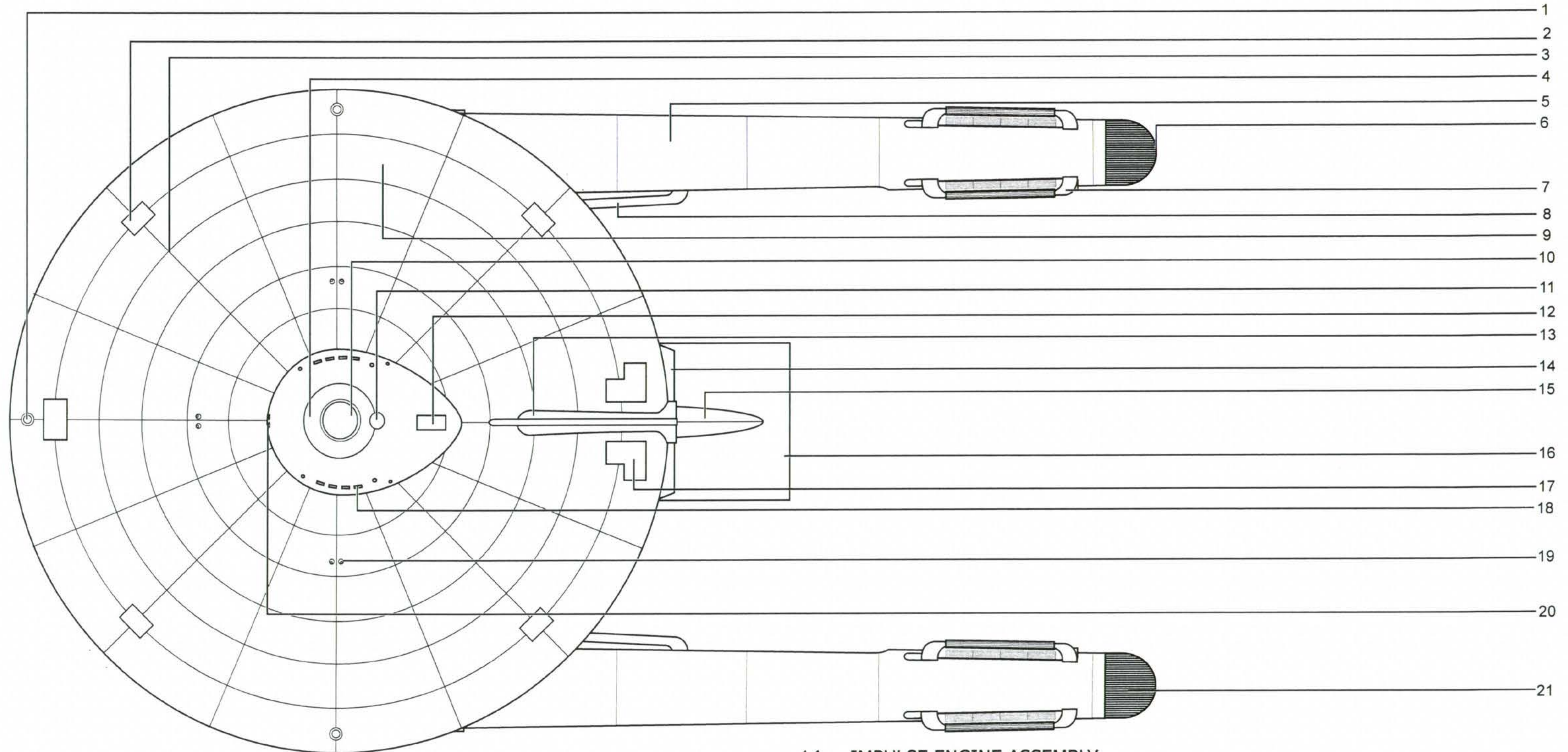
- 1. PORT WARP ENGINE NACELLE
- 2. ENGINE NACELLE SUPPORT PYLON
- 3. NAVIGATION DEFLECTOR ASSEMBLY
- 4. UPPER MAIN SCANNER ARRAY
- 5. MAIN BRIDGE MODULE
- 6. PHASER EMITTER
- 7. SHIELD EMITTER GRID
- 8. NAVIGATION MARKER
- 9. VIEWPORT (TYPICAL)
- 10. WARP ENGINE NACELLE SUPPORT PYLON

- 11. BUSSARD COLLECTOR
- 12. PHASER EMITTER
- 13. PLANETARY SENSOR SCAN ARRAY PLATFORM
- 14. PLANETARY SENSOR ARRAY
- 15. SUPPORT PYLON
- 16. DOCKING ASSEMBLY
- 17. NAVIGATION MARKER
- 18. ENGINE NACELLE SUPPORT PYLON
- 19. PHASER EMITTER
- 20. BRIDGE MODULE

- 21. IMPULSE ENGINE ASSEMBLY
- 22. TURBO-LIFT DOCKING INTERFACE
- 23. MULTI-SPECTRAL TELESCOPE DEPLOYMENT HATCH
- 24. STARBOARD WARP ENGINE NACELLE
- 25. SPACE MATRIX RESTORATION COIL
- 26. DOCKING ASSEMBLY
- 27. PLANETARY SCANNER ARRAY
- 28. SUPPORT PYLON
- 29. PLANETARY SENSOR ARRAY SCAN PLATFORM
- 30. PHASER EMITTER

SUBJECT		STARSHIP U.S.S. PTOLEMY		
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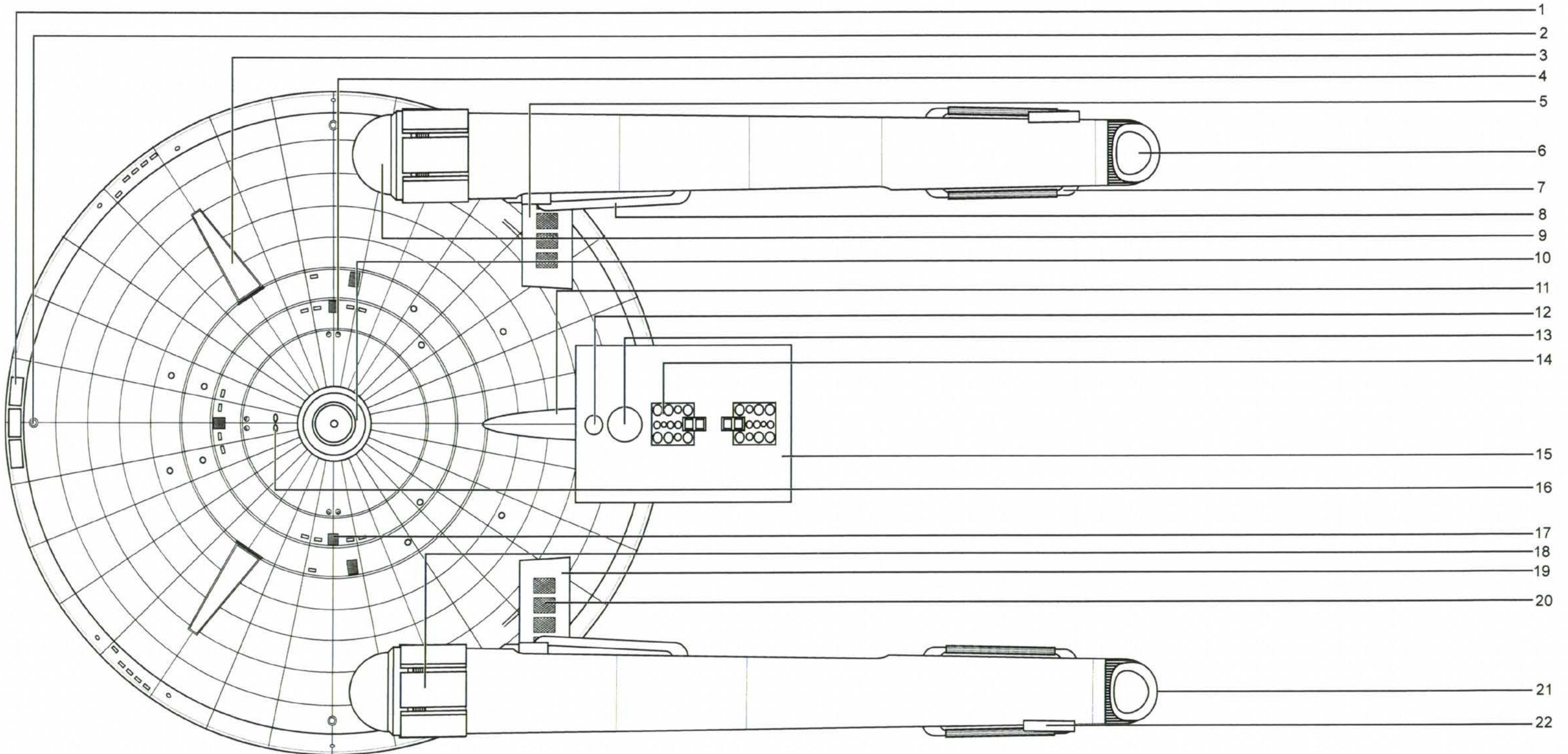
PTOLEMY-CLASS STARSHIP TRANSPORT TUG U.S.S. PTOLEMY NCC-3801



- | | | |
|-------------------------------------|--|---|
| 1. NAVIGATION MARKER | 8. MAIN STAGE FLUX TUNER
TRANSFER CONDUIT | 14. IMPULSE ENGINE ASSEMBLY |
| 2. PLASMA VENTING ASSEMBLY | 9. EXTERNAL HULL PLATING | 15. WARP ENGINE SUPPORT PYLON |
| 3. SHIELD EMITTER GRID | 10. PLANETARY SENSOR ARRAY | 16. MAGNETIC FIELD SHAPING COILS |
| 4. BRIDGE MODULE | 11. TURBO-LIFT DOCKING INTERFACE | 17. IMPULSE PLASMA EMERGENCY
NON-PROPULSIVE VENTING ASSEMBLY |
| 5. WARP ENGINE NACELLE | 12. MULTI-SPECTRAL TELESCOPE
DEPLOYMENT HATCH | 18. VIEWPORT (TYPICAL) |
| 6. SPACE MATRIX RESTORATION
COIL | 13. ACCELERATOR MAG COILS | 19. PHASER EMITTER |
| 7. POST STAGE FLUS INTERCOOLER | | 20. TORPEDO/PROBE LAUNCHER |
| | | 21. MAG-FLOW SHIELDING COWL |

SUBJECT STARSHIP U.S.S. PTOLEMY		
SCALE 1/650	DATE 11/01	
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PTOLEMY-CLASS STARSHIP TRANSPORT TUG U.S.S. PTOLEMY NCC-3801



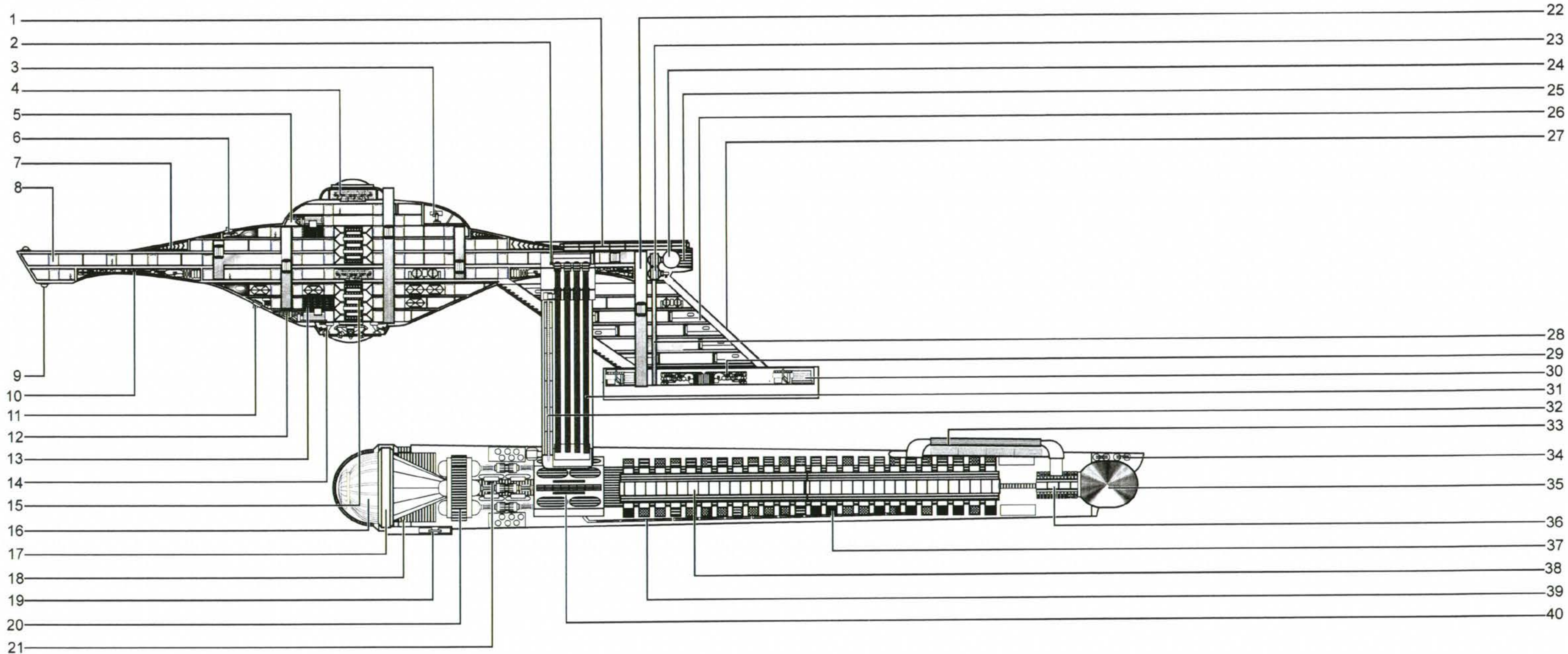
- 1. NAVIGATION DEFLECTOR ASSEMBLY
- 2. PHASER EMITTER
- 3. PRIMARY CARGO HATCH
- 4. PHASER EMITTER
- 5. WARP ENGINE NACELLE SUPPORT PYLON
- 6. SPACE MATRIX RESTORATION COIL
- 7. POST-STAGE FLUX INTERCOOLER
- 8. DOCKING/UMBILICAL ASSEMBLY
- 9. BUSSARD COLLECTOR ASSEMBLY

- 10. PLANETARY SENSOR ARRAY SCAN PLATFORM
- 11. DOCKED CARGO CONTAINER SUPPORT PYLON
- 12. DOCKED TURBO-LIFT PASS-THROUGH
- 13. DOCKED PLASMA CONDUIT PASS-THROUGH
- 14. DOCKED CONSUMABLES TRANSFER INTERFACE

- 15. DOCKING INTERFACE PLATFORM
- 16. TORPEDO/PROBE LAUNCHER
- 17. HATCHWAY (TYP)
- 18. FIELD SHAPING COILS
- 19. WARP ENGINE NACELLE SUPPORT PYLON
- 20. THERMAL REGULATOR ASSEMBLY
- 21. MAG-FLOW SHIELDING COWL
- 22. POST-STAGE FLUX TUNER

SUBJECT		STARSHIP U.S.S. PTOLEMY		
SCALE	1/700	DATE	11/01	
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PTOLEMY-CLASS STARSHIP TRANSPORT TUG U.S.S. PTOLEMY NCC-3801



- 1. ACCELERATOR MAG-COILS
- 2. MAIN ENGINEERING
- 3. MULTI-SPECTRAL TELESCOPE
- 4. MAIN BRIDGE MODULE
- 5. UPPER TORPEDO LAUNCHER
- 6. PHASER EMITTER
- 7. SUPPORT STRUCTURE
- 8. CORRIDOR (TYPICAL)
- 9. NAVIGATION MARKER
- 10. LIFE SUPPORT
- 11. PHASER EMITTER
- 12. LOWER TORPEDO LAUNCHER
- 13. TORPEDO/PROBE STORES
- 14. PLANETARY SCANNER ARRAY PLATFORM

- 15. LOWER PRIMARY COMPUTER CORE
- 16. BUSSARD COLLECTOR ASSEMBLY
- 17. PARTICLE DECELERATION COIL
- 18. PRE-STAGE PARTICLE DIFFERENTIATION
- 19. ANTIMATTER FILL ASSEMBLY
- 20. PARTICLE SIFTING ASSEMBLY
- 21. PRE-STAGE FLUX TUNER
- 22. TURBO-LIFT SHAFT AND CAB
- 23. PRE-STAGE FUSION CONDITIONERS
- 24. IMPULSE ENGINE MAIN FUSION CORE
- 25. IMPULSE ENGINES PRIMARY EXHAUST
- 26. SPARES STORES
- 27. DOCKED CONTAINER SUPPORT PYLON
- 28. PLASMA TRANSFER CONDUITS

- 29. DOCKED CONSUMABLES TRANSFER INTERFACE
- 30. AFT PRIMARY CONTAINER-MATING LATCH ASSEMBLY
- 31. PLASMA TRANSFER CONDUITS
- 32. NACELLE ACCESS GANGWAY
- 33. SPACE MATRIX BALANCER ASSEMBLY
- 34. DEFLECTION MAG COILS
- 35. SPACE MATRIX RESTORATION COIL
- 36. POST STAGE FLUX TUNER
- 37. WARP PROPULSION COIL (TYPICAL)
- 38. INTERMIX CHAMBER
- 39. SUB-SPACE WAVE GUIDE COILS
- 40. MAIN STAGE FLUX TUNER

STARSHIP U.S.S. PTOLEMY		
SCALE 1/650	DATE 11/01	
DRAWN BY <i>Monte R. Johnson</i>	REVISED 02/10	
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