03

JAYNZ SHIPS OF STAR FLEET

TERRANLGO LANGUAGE EDITION

AUTHORIZED PERSONNEL ONLY
SECURITY LEVEL TWO

UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

JAYNZ' GUIDE
FEDERATION STARFLEET SERIES

RS: 480372-3

TERRALANGLO LANGUAGE EDITION

UPDATED AND APPROVED FOR TERRAN YEAR 2272

JAYNZ'S GUIDE SERIES

THE JAYNZ'S GUIDE SERIES IS A HARD FORMAT COMPILATION OF FEDERATION TECHNICAL ORDERS, ARTICLES, AND OTHER WORKS ISSED BY STAR FLEET COMMAND FOR USE IN THEIR TRAINING PROGRAMS. THE ARTICLES SO PUBLISHED IN JAYNZ'S GUIDES IS FOR FAMILIARIZATION PURPOSES FOR TRAINEES, INSTRUCTORS, AND ENTHUSIASTS WITH APPROPRIATE SECURITY CLEARANCE.

ATTENTION: CERTAIN MATERIAL CONTAINED HEREIN HAS BEEN CLASSIFIED AS SECURITY LEVEL TWO BY STAR FLEET COMMAND AND THE BUREAU OF INTELLIGENCE. UNAUTHRIZED USE OF SUCH MATERIAL IS PUNISHABLE BY COURT MARTIAL, IMPRISONMENT, OR OTHER MEASURES DPENDING ON PLANETARY LAWS. STIPULATED BY TREATY.

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MEMORY ALPHA AND STARFLEET MASTERCOM CATALOGING DATA:
UFP/SFD DTA RS:480372-3

CIVILIAN TRANSPORT

DY-250 "ZEUS" CLASS VESSELS

GENERAL INFORMATION

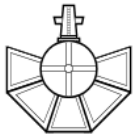
THE DY-250 CLASS OF TRANSPORTS WAS DESIGNED AS A 'SOLID-PERFORMANCE' VERSION IN THE DY SERIES OF TRANSPORTS. IT HAD A MUCH MORE RIGID STRUCTURE THAN ITS PREDECESSOR, AND AN UPPER LIMIT OF FIVE OF THE DY SERIES CARGO CONTAINERS.

THE DESIGN MOSTLY SAW USE AS 'COLONY SEEDERS', WITH SUPPLIES AND CRYOGENICALLY-SUSPENDED COLONISTS KEPT WITHIN THE DY-TYPE CONTAINERS. WHEN THE SHIP ARRIVED AT ITS DESTINATION (WITH MOST TRIPS TAKING DECADES), THE CREW WAS AWOKEN AND THE SIHIP ITSELF USED TO FORM THE COLONY.

THE MAIN ADVANTAGE OF THE DY-250 SERIES OVER ITS PREDECESSOR WAS AN INCREASE IN THE POWER OF ITS ION DRIVE, AS WELL AS A MORE HARDENED LIFE-SUPPORT SYSTEM, MAKING LONGER TRIPS MORE POSSIBLE. DESPITE THESE ADVANCES, HOWEVER, THE DY-250 SERIES DID NOT CATCH ON, PARTICULARLY ONCE RELATIVISTIC TRAVEL BECAME POSSIBLE.

TODAY, A FEW OF THESE AGING FRAMES HAVE BEEN CONVERTED TO AUTOMATION, HAULING ORE OR OTHER MATERIALS WITHIN COLONY SYSTEMS. STAR FLEET CONSIDERS THESE SHIPS HOPELESSLY OBSOLETE, HOWEVER.

DY-250 CLASS - BOW VIEW



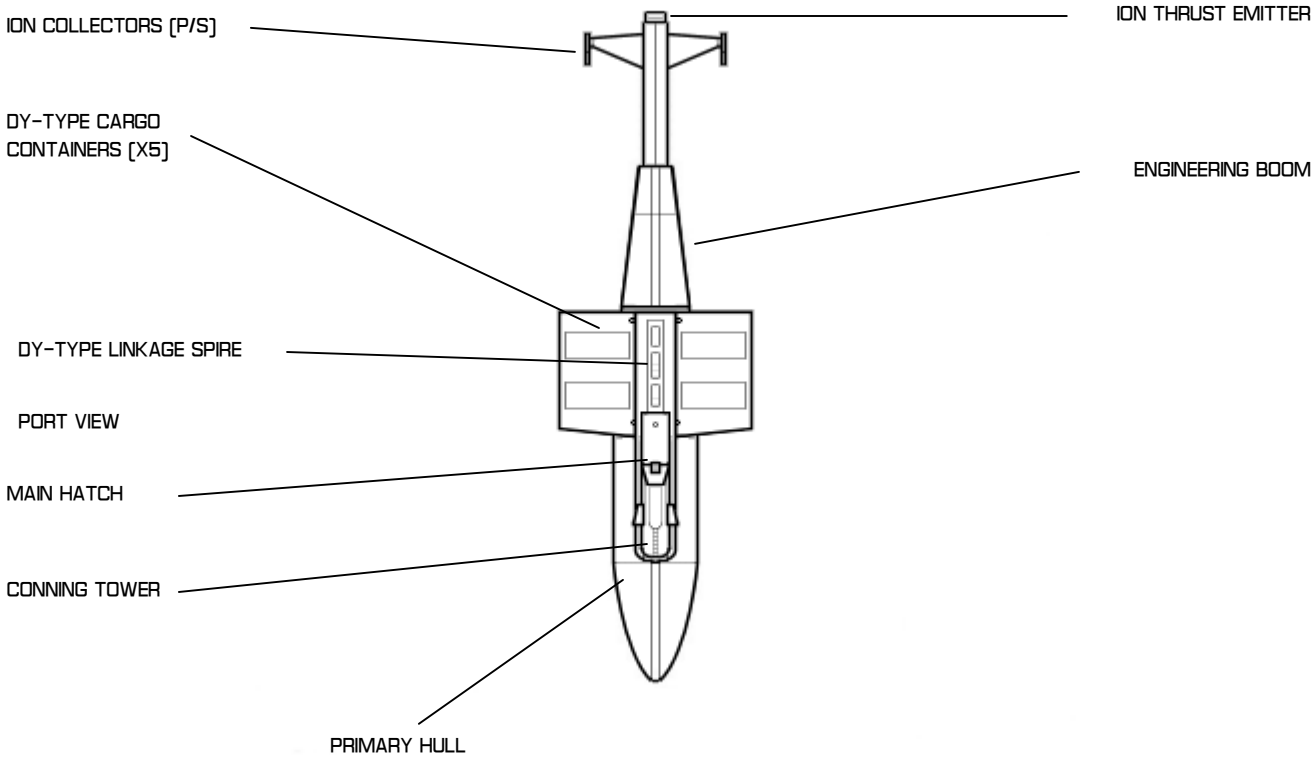
CONSTRUCTION DETAILS

CHIEF OF DESIGN	MITCH O'CONNELL
PRIMARY SHIPYARD	EARTH, VARIOUS
PROJECT INITIATION	AUGUST 2024
VESSELS CONSTRUCTED	22

VESSEL NAME (MOST RECENT)	REGISTRY	STATUS AS OF SD 7411.3 (JANUARY 2272)
SS ZEUS	DY-250	DECOMISSIONED
SS ZENITH	DY-251	DESTROYED
SS MERCUIS	DY-252	CONVERTED TO AUTOMATION
SS PASTER	DY-253	CONVERTED TO AUTOMATION
SS AMBROSIA	DY-254	DECOMISSIONED
SS HARRISON	DY-255	DECOMISSIONED
SS BLACK YONDER	DY-256	DECOMISSIONED, CONVERTED AS COLONY BASE
SS CONQUEST	DY-257	DECOMISSIONED, CONVERTED AS COLONY BASE
SS CILANTRO	DY-258	CONVERTED TO AUTOMATION
SS MILAN	DY-259	DESTROYED
SS RACHEL SIERRA	DY-260	DECOMISSIONED
SS MINA RENEE	DY-261	DECOMISSIONED
SS PACIFICA	DY-262	DECOMISSIONED, CONVERTED AS COLONY BASE
SS VENUSIA	DY-263	DESTROYED
SS JOVIA	DY-264	DESTROYED
SS BLARNEY STONE	DY-265	DECOMISSIONED
SS SPREADING THE WORD	DY-266	DECOMISSIONED, CONVERTED AS COLONY BASE
SS JENNIFER MARIE	DY-267	DECOMISSIONED, CONVERTED AS COLONY BASE
SS BONNE CHANCE	DY-268	DECOMISSIONED, CONVERTED AS COLONY BASE
SS LOLTH	DY-269	CONVERTED TO AUTOMATION
SS MIDNIGHT	DY-270	CONVERTED TO AUTOMATION
SS LONGINGER	DY-271	DESTROYED

CIVILIAN TRANSPORT

DY-250 CLASS VESSELS - DORSAL VIEW



UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

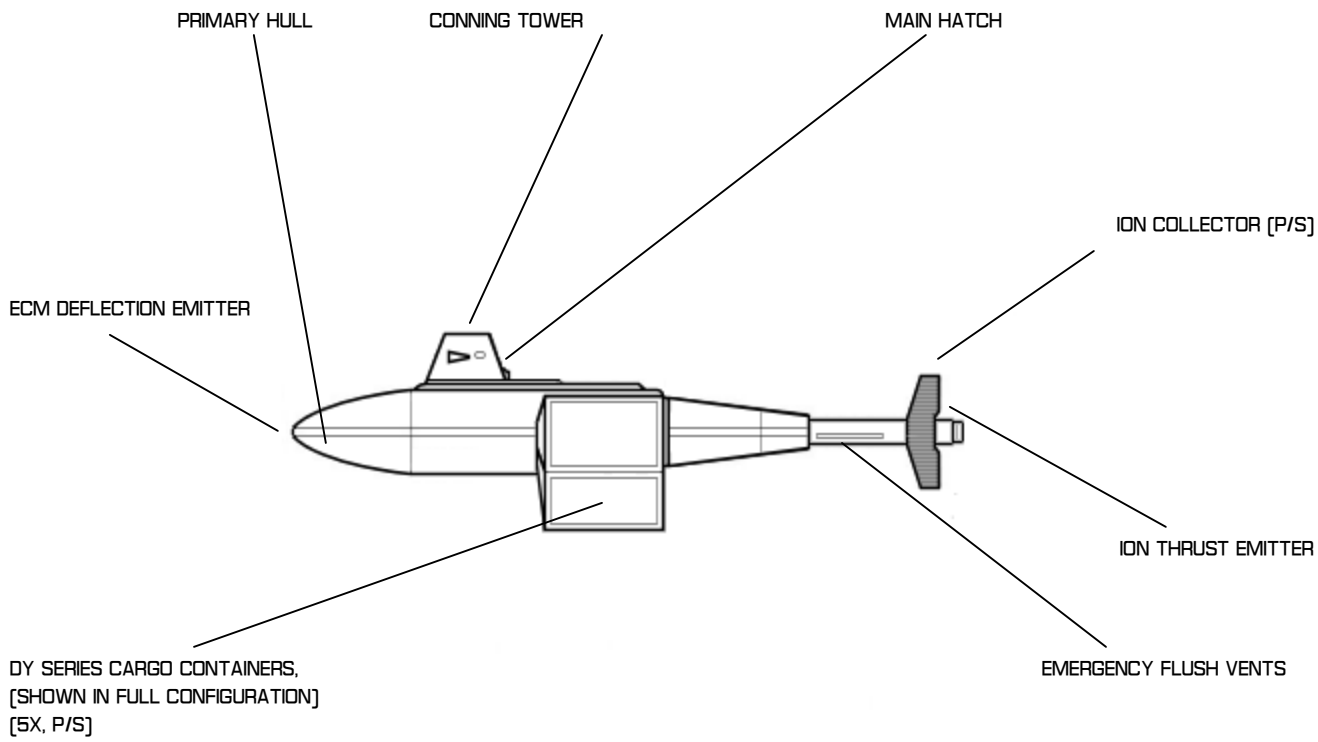
GENERAL PLANS:/RECOGNITION DETAIL
CIVILIAN DY-250 TRANSPORT

AUTHENTICATION NOTICE

CHIEF OF DESIGN	MITCH O'DONNELL
AUTHENTICATION APPROVAL	SD 2401.55
VERSION RELEASE	SD 7411.27

CIVILIAN TRANSPORT

DY-250 CLASS VESSELS - PORT-VIEW



UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

GENERAL PLANS:/RECOGNITION DETAIL
CIVILIAN DY-250 TRANSPORT

AUTHENTICATION NOTICE

CHIEF OF DESIGN	MITCH O'CONNELL
AUTHENTICATION APPROVAL	SD 2401.55
VERSION RELEASE	SD 7411.27

CIVILIAN TRANSPORT

CLASS SPECIFICS

STANDARD COMPLEMENT	
OFFICERS [COMMAND]	2
CREW [STD]	12

DIMENSIONS	
DEADWEIGHT TONNAGE	22,000 MT
LENGTH	111M
BREADTH	32M
HEIGHT	33M

ARMAMENTS	
PASSIVE DEFLECTOR	MK II ECM

PROPULSION SYSTEMS	
WARP/FTL DRIVE	NONE
IMPULSE/SL DRIVE	NONE
RCS SYSTEM	RCS-15I [.15C]

SUPPLEMENTAL CRAFT
NONE

SECONDARY SYSTEMS	
MAIN COMPUTER	TR-VIII ASTROTRONICS
ACTIVE SCANNER SUITE	NONE
PASSIVE SENSOR SUITE	SL BASIC RADAR
TRANSPORTERS	NONE
LIFE SUPPORT	TYPE II SUITE

MISSION PROFILE	
MISSION TYPE	TRANSPORT
MAXIMUM OPERATING RANGE	25 YEARS AT LYV

DECK ARRANGEMENT [GENERAL]	VESSEL SECTION	DECK SUMMARY
DECK ONE		COMMAND AREA [BRIDGE]
DECK TWO		OFFICER QUARTERS
DECK THREE		MAIN HATCH, COMPUTER CENTER
DECK FOUR		SHIP STORES, CREW QUARTERS
DECK FIVE		DY CONTAINER SPIRE AND ACCESS, ENGINEERING BOOM
DECK SIX		AUXILLARY MAXHINES, ENGINEERING BOOM, ION ENGINE

SCOUT CLASS

HERMES CLASS STARSHIPS

GENERAL INFORMATION

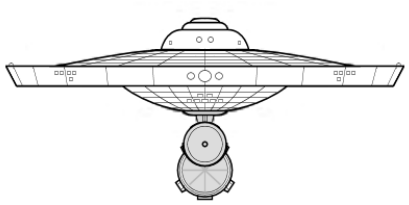
THE *HERMES* CLASS MAY BE A MODEL EXERCISE IN OPTIMISM, DESIGNED MORE TO PLACATE CERTAIN MEMBER WORLDS OF THE FEDERATION. WITH THE 'CONSTITUTION PROJECT' SEEN AS TOO MILITARISTIC, STAR FLEET WAS ORDERED TO CREATE A DEDICATED EXPLORER WITH THE NEWEST TECHNOLOGIES TO FUFILL AS PURELY 'SCIENTIFIC EXPLORATION ROLE'. THE RESUL-SULT WAS THE SOMEWHAT ILL-CONCEIVED *HERMES* CLASS.

THOUGH THE HERMES CLASS BOASTS IMPRESSIVE SENSOR CAPABILITIES FOR HER TIME, THEIR LIGHT ARMAMENT AND PROBLEMATIC USE OF A SINGLE PB-32 ENGINE LEFT THEIR EXTREMELY VULNERABLE IN THE FIELD. WHILE EFFECTIVE AT STELLAR CARTOGRAPHY AND SCIENTIFIC WORK, SEVERAL *HER-MES* CLASS SHIPS WERE LOST EARLY IN THEIR CAREER, CAUS-ING STAR FLEET TO RETHINK THEIR USE.

THE REMAINING SCOUTS SERVE LARGELY WITHIN LARGER TASK FORCES OR IN 'SAFE ZONES', RESIGNED LARGELY TO SCIENTIFIC WORK OR ACTING AS LEAD 'SCOUTS' WITH OTHER, MORE HARDY SHIPS PROVIDING ESCORT.

THE *HERMES* CLASS WAS DECLARED 'COMPLETE' IN 2259, AND REPLACED BY A VARIETY OF OTHER DESIGNS. DESPITE THE HARDSHIPS, THE CLASS MAY GET A SECOND LEASE ON LIFE ONCE THE UPGRADED *HERMES* (REFIT) CLASS, WHICH WOULD REMOVE THE SB-32 FLAW.

HERMES CLASS - BOW VIEW



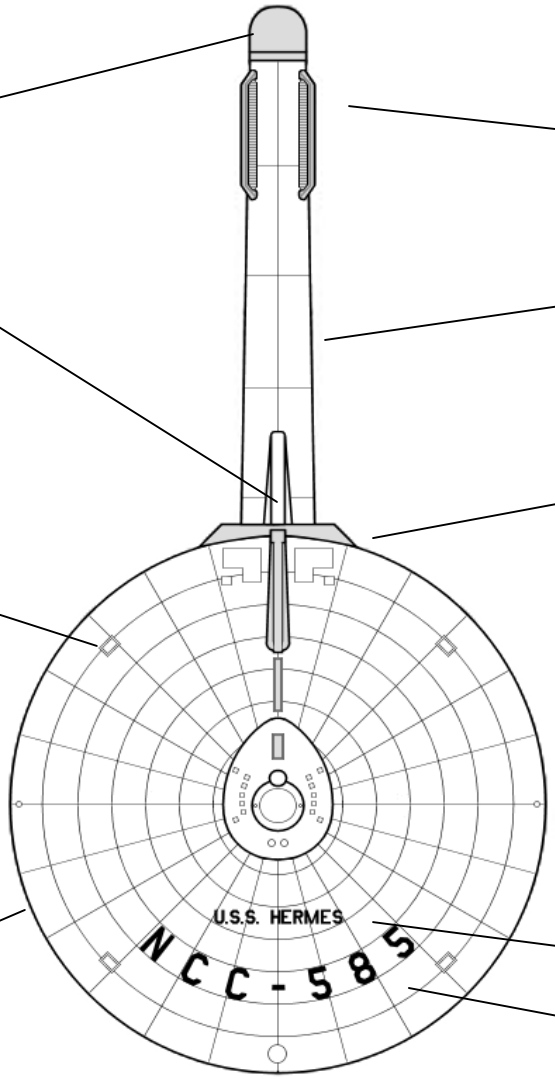
CONSTRUCTION DETAILS

CHIEF OF DESIGN	FRANZ JOSEPH
PRIMARY SHIPYARD	UTOPIA PLANETIA
PROJECT INITIATION	JULY 2245, SD 0965
VESSELS CONSTRUCTED	9

VESSEL NAME	REGISTRY	STATUS AS OF SD 7411.3 (JANURARY 2272)
USS HERMES	NCC-585	INACTIVE/ UNDERGOING RECONSTRUCTION TO HERMES (R) CLASS SPECIFICATIONS
USS ANUBIS	NCC-586	INACTIVE/ UNDERGOING RECONSTRUCTION TO HERMES (R) CLASS SPECIFICATIONS
USS AEOLUS	NCC-588	DECOMISSIONED
USS QUINTILLUS	NCC-590	DESTROYED
USS BRIDGER	NCC-591	ACTIVE / STARFLEET COMMAND
USS CODY	NCC-594	ACTIVE / STARFLEET COMMAND
USS REVERE	NCC-595	ACTIVE / STARFLEET COMMAND
USS BOWIE	NCC-597	ACTIVE / STARFLEET COMMAND
USS SACAJAWEA	NCC-598	DESTROYED

SCOUT CLASS

HERMES CLASS STARSHIPS – DORSAL VIEW



PB32 WARP FIELD GENERATOR COWLING

PB-32 INTERCOOLER

PB-32 PRIMARY WARP ENGINE

ENGINEERING DORSAL PYLON

IPI86E IMPULSE UNIT HOUSING

AIRLOCK LIFT, LIFEBOAT LAUNCH [2X P/S]

NAVIGATION LIGHTS [P/S]

VESSEL'S COMMISIONED NAME

PRIMARY HULL [SAUCER]

STARFLEET REGISTRY ID

UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

GENERAL PLANS:/RECOGNITION DETAIL
SCOUT [SC] / HERMES CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	FRANZ JOSEPH
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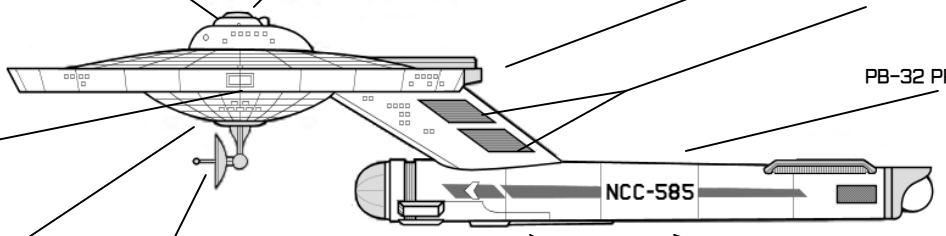
VERSION RELEASE	SD 7411.27

SCOUT CLASS

HERMES CLASS STARSHIPS – PORT VIEW



PRIMARY BRIDGE

PHOTO-REACTIVE UPPER BRIDGE DOME

IPI86E IMPULSE UNIT HOUSING

EMERGENCY FLUSH VENTS [P/S]

PB-32 PRIMARY WARP ENGINE

GANGWAY

MK IV TWIN EMITTER
PHASER BANK [F]

STARFLEET REGISTRY ID [P/S]

ACTIVE SCANNER AND DEFLECTOR SYSTEM

PB32 REACTION CONTROL
SYSTEM

UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

GENERAL PLANS:/RECOGNITION DETAIL
SCOUT [SC] / HERMES CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	FRANZ JOSEPH
AUTHENTICATION APPROVAL	SD 2401.55
VERSION RELEASE	SD 7411.27

SCOUT CLASS

CLASS SPECIFICS

STANDARD COMPLEMENT	
OFFICERS (COMMAND)	20
CREW	180

DIMENSIONS	
DEADWEIGHT TONNAGE	95,000 MT
LENGTH	242 M
BREADTH	127 M
HEIGHT	60 M

ARMAMENTS	
PHASERS	MK IV TWIN EMITTER (F,)
PHOTON TORPEDOES	NONE
DEFENSE DEFLECTOR SHIELD	PFF2A
PASSIVE DEFLECTOR	MK VI/AS
TRACTOR BEAM EMITTER	MK IV SS MICRO-COMPRESSOR (A)

PROPULSION SYSTEMS	
WARP/FTL DRIVE	PB-32 MK III—SINGLE (WF 5/7)
IMPULSE/SL DRIVE	IPI86E (.75C)
RCS SYSTEM	CCR45C (500KPM)

SUPPLEMENTAL CRAFT	
TYPE H TRAVEL POD	2

SECONDARY SYSTEMS	
MAIN COMPUTER	DUOTRONIC MK II CU
ACTIVE SCANNER SUITE	MK III LX HVY SENSORY SYSTEM
PASSIVE SENSOR SUITE	MK III HVY SENSORY SYSTEM
TRANSPORTERS	2 STD / 2 EVAC / 2 CARGO
LIFE SUPPORT	MK IV CT-3 SUITE

MISSION PROFILE	
MISSION TYPE	SURVEY, SCOUT, SC
MAXIMUM OPERATING RANGE	9 YEARS AT LYV

DECK ARRANGEMENT (GENERAL)	VESSEL SECTION	DECK SUMMARY
DECK ONE		BRIDGE
DECK TWO		SCIENCE LABS
DECK THREE		PHOTON CONTROL,
DECK FOUR		OFFICER'S QUARTERS
DECK FIVE		OFFICER'S QUARTERS, PHASER CONTROL,
DECK SIX		CREW QUARTERS, ENGINEERING, IMPULSE REACTOR CONTROL
DECK SEVEN		CREW QUARTERS, AUX CONTROL, PERSONELL GANGWAY ACCESS
DECK EIGHT	FORWARD (SAUCER)	TRAVEL PODS, PERSONNEL GANGWAY ACCESS, COMPUTER ARRAY
DECK NINE	FORWARD (SAUCER)	FABRICATION FACILITIES, STORAGE
DECK TEN	FORWARD (SAUCER)	RECREATION DECKS, STORAGE
DECK ELEVEN	FORWARD (SAUCER)	PHASER COTNROL, PHASER BANK (F), SENSOR AND SCANNER CONTROL
DECK EIGHT	DORSAL (PYLON)	EMEGENCY SEAL AND SEPERATION, STORAGE
DECK NINE	DORSAL (PYLON)	AUXILLARY MACHINERY,
DECK TEN	DORSAL (PYLON)	AUXILLARY MACHINERY, REAR OBSERVATION DECK
DECK ELEVEN	DORSAL (PYLON)	PLASMA FLUSH CONTROL,
DECK TWELVE		WARP GENERATION CONTROL
DECK THIRTEEN		INTERMIX CONTROL ROOMS

SCOUT CLASS

DIANA CLASS STARSHIPS

GENERAL INFORMATION

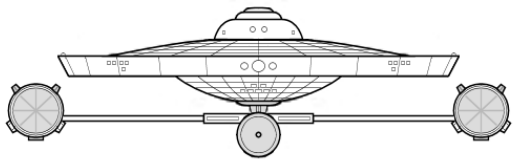
WHEN THE BALANCE PROBLEMS OF THE PB-32 SINGLE ENGINE ARRANGEMENT CAME TO LIGHT, OPINION WAS SHARPLY DIVIDED ON WHAT TO DO ABOUT IT. THE BALANCE ISSUES ONLY MANIFEST BEYOND THE 'CRUISE' RATING OF EACH SHIP SO EQUIPPED. FOR COMBAT SHIPS, THIS WAS SEEN AS A CRITICAL ISSUE, BUT FOR SCOUTS SUCH AS THE *HERMES*, THERE WASN'T NEARLY AS MUCH IMPETUS TO CORRECT THE ISSUE WITH A RUNNING DESIGN CHANGE.

IT'S NOT SURPRISING, THEN, THAT THE *DIANA* CLASS WOULD COME TO LIVE AS AN 'OUTGROWTH' OF THE *POMPEY* CLASS CORRECTION TO THE *SALADIN*. WHEN THE *POMPEY* WAS PUT UP AS A 'FIX' FOR THE REMAINING *SALADIN* CLASS BUILDS, THE DECISION TO MAKE A SIMILAR CORRECTION TO THE REMAINING *HERMES* CLASS BUILDS WAS A NATURAL.

THE NEW DESIGN WOULD CORRECT THE WARP IMBALANCE ISSUE BY REPLACING THE 'NECK' AND SINGLE ENGINE WITH AN INVERTED 'T' PYLON WITH TWO WARP ENGINES AT ITS SIDE. THIS DESIGN WOULD ALLOW FOR A MINIMAL AMOUNT OF RE-ENGINEERING TO THE SHIP'S OVERALL LINES, KEEPING THE SHIPS RELATIVELY CLOSE TO THEIR INITIAL BUDGET.

IN ADDITION TO THE CORRECTION OF THE IMBALANCE, THE RATED SPEEDS OF THE *DIANA* CLASS WOULD ALSO INCREASE, GREATILY EXTENDING THE SCOUTING RANGE OF THE SHIP'S CLASS.

POMPEY CLASS - BOW VIEW



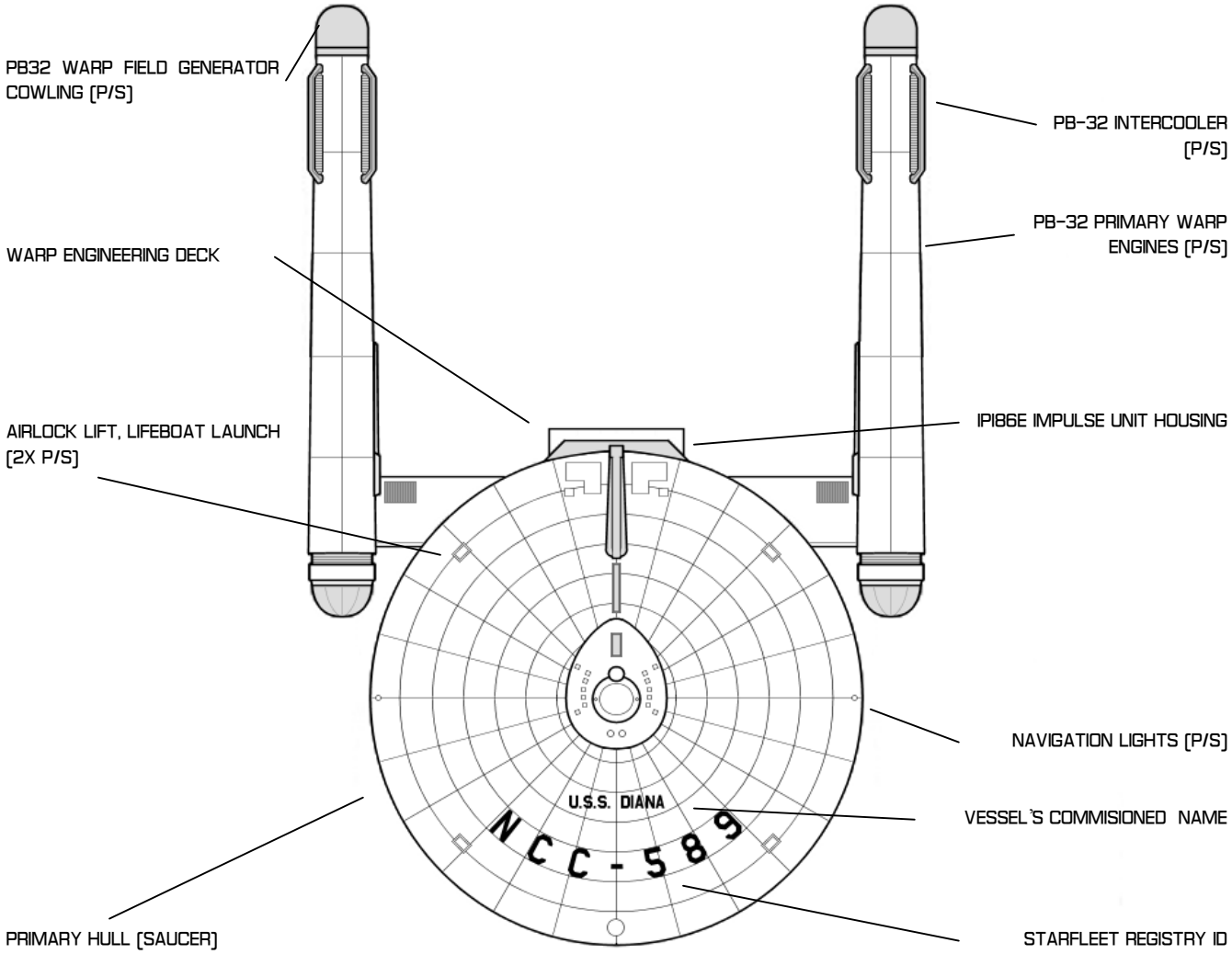
CONSTRUCTION DETAILS

CHIEF OF DESIGN	TODD GUENTHER
PRIMARY SHIPYARD	UTOPIA PLANETIA
PROJECT INITIATION	MAY 2258, SD 1313
VESSELS CONSTRUCTED	6

VESSEL NAME	REGISTRY	STATUS AS OF SD 7411.3 (JANURARY 2272)
USS DIANA	NCC-589	ACTIVE / STARFLEET COMMAND
USS CARSON	NCC-592	ACTIVE / STARFLEET COMMAND
USS BATIDOR	NCC-593	ACTIVE / STARFLEET COMMAND
USS SPAKER	NCC-596	ACTIVE / STARFLEET COMMAND
USS TONTI	NCC-599	ACTIVE / STARFLEET COMMAND
USS CROKETT	NCC-600	ACTIVE / STARFLEET COMMAND

SCOUT CLASS

DIANA CLASS STARSHIPS – DORSAL VIEW



UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

GENERAL PLANS:/RECOGNITION DETAIL
SCOUT [SC] / DIANA CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	TODD GUENTHER
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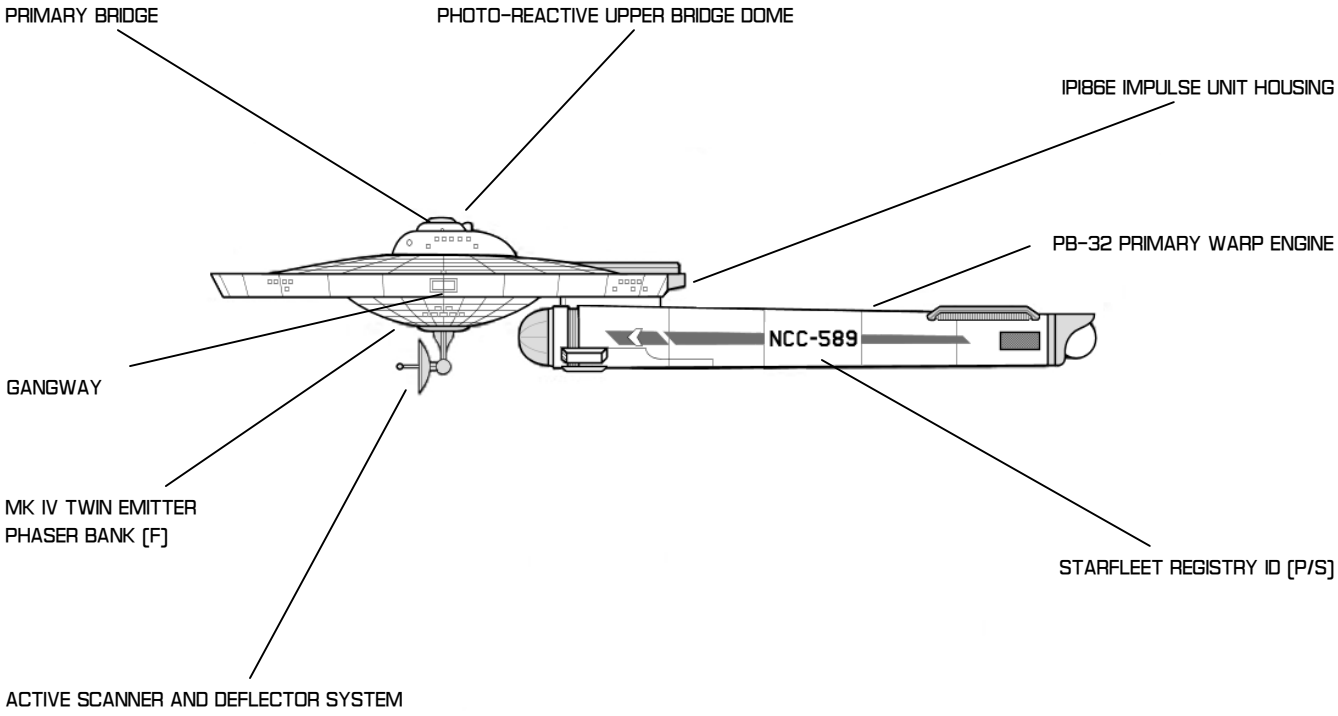
VERSION RELEASE	SD 7411.27

SCOUT CLASS

DIANA CLASS STARSHIPS – PORT VIEW



UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

GENERAL PLANS:/RECOGNITION DETAIL
SCOUT [SC] / DIANA CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	TODD GUENTHER
AUTHENTICATION APPROVAL	SD 2401.55
VERSION RELEASE	SD 7411.27

SCOUT CLASS

CLASS SPECIFICS

STANDARD COMPLEMENT	
OFFICERS (COMMAND)	20
CREW	180

DIMENSIONS	
DEADWEIGHT TONNAGE	133,000 MT
LENGTH	234M
BREADTH	127 M
HEIGHT	49 M

ARMAMENTS	
PHASERS	MK IV TWIN EMITTER (F)
PHOTON TORPEDOES	NONE
DEFENSE DEFLECTOR SHIELD	PFF2A
PASSIVE DEFLECTOR	MK VI/AS
TRACTOR BEAM EMITTER	MK IV SS MICRO-COMPRESSOR (A)

PROPULSION SYSTEMS	
WARP/FTL DRIVE	PB-32 MK III—TANDEM (WF 6/8)
IMPULSE/SL DRIVE	IPI86E (.75C)
RCS SYSTEM	CCR45C (500KPM)

SUPPLEMENTAL CRAFT	
TYPE H TRAVEL POD	2

SECONDARY SYSTEMS	
MAIN COMPUTER	DUOTRONIC MK II CU
ACTIVE SCANNER SUITE	MK III LX HVY SENSORY SYSTEM
PASSIVE SENSOR SUITE	MK III HVY SENSORY SYSTEM
TRANSPORTERS	2 STD / 2 EVAC / 2 CARGO
LIFE SUPPORT	MK IV CT-3 SUITE

MISSION PROFILE	
MISSION TYPE	SURVEY, SCOUT, SC
MAXIMUM OPERATING RANGE	9 YEARS AT LYV

DECK ARRANGEMENT (GENERAL)	VESSEL SECTION	DECK SUMMARY
DECK ONE		BRIDGE
DECK TWO		SCIENCE LABS
DECK THREE		PHOTON CONTROL,
DECK FOUR		OFFICER'S QUARTERS
DECK FIVE		OFFICER'S QUARTERS, PHASER CONTROL,
DECK SIX		CREW QUARTERS, ENGINEERING, IMPULSE REACTOR CONTROL
DECK SEVEN		CREW QUARTERS, AUX CONTROL, PERSONELL GANGWAY ACCESS
DECK EIGHT	FORWARD (SAUCER)	TRAVEL PODS, PERSONNEL GANGWAY ACCESS, COMPUTER ARRAY
DECK NINE	FORWARD (SAUCER)	FABRICATION FACILITIES, STORAGE
DECK TEN	FORWARD (SAUCER)	RECREATION DECKS, STORAGE
DECK ELEVEN	FORWARD (SAUCER)	PHASER COTNROL, PHASER BANK (F), SENSOR AND SCANNER CONTROL
DECK EIGHT	DORSAL (PYLON)	EMEGENCY SEAL AND SEPERATION, STORAGE
DECK NINE	DORSAL (PYLON)	AUXILLARY MACHINERY,
DECK TEN	DORSAL (PYLON)	AUXILLARY MACHINERY, REAR OBSERVATION DECK
DECK ELEVEN	DORSAL (PYLON)	PLASMA FLUSH, INTERMIX AND WARP CONTROL ROOMS

HEAVY FRIGATE CLASS

COVENTRY CLASS STARSHIPS

GENERAL INFORMATION

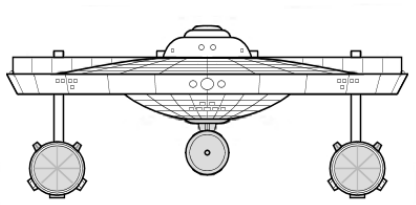
THE *COVENTRY* CLASS WAS ONE OF SEVERAL DESIGNS APPROVED TO FILL OUT THE FEDERATION RANKS FOR MID-LEVEL CAPITAL SHIPS. THE DESIGN WOULD TAKE ASPECTS OF THE FAMILIAR *CONSTITUTION* CLASS, BUT SECURE A LARGE ENGINEERING SECTION TO THE AFT OF THE SAUCER, MAKING A MORE COMPACT, BUT EFFECTIVE, DESIGN.

THE CONVENTRY IS A WELL-BALANCED AND POWER SHIP, MUCH LIKE HER LARGER CONSTITUTION CLASS COUSIN, PRIMARILY ONLY SACRIFICING SOME OF THE ADVANCED SENSOR CAPABILITY, AND EXTENDED LABS AND SHUTTLE-CRAFT SUPPORT.

INITIALLY DEPLOYED ALONG THE KLINGON FRONTIER, THE CLASS QUICKLY ESTABLISHED ITSELF AS A COMBAT-CAPABLE FRIGATE, OCCAISIONALLY PERFORMING ABOVE ITS WEIGHT. THIS HAS LEAD SOME ENGINEERS AND ADMIRALS TO DEBATE RE-CLASSIFING THE SHIP AS A 'LIGHT CRUISER' INSTEAD.

THE OVERALL DESIGN OF THE COVENTRY WOULD PROVE SO SUCCESSFUL THAT THE *MIRANDA* DESIGN WOULD LOOK TO HER AS THE MAIN INSPIRATION FOR HER DESIGN. AS OF 2270, REMAINING COVENTRY CLASS VESSELS WILL BE SCHEDULED FOR UPRATING TO THE NEW *MIRANDA* DESIGN.

COVENTRY CLASS - BOW VIEW



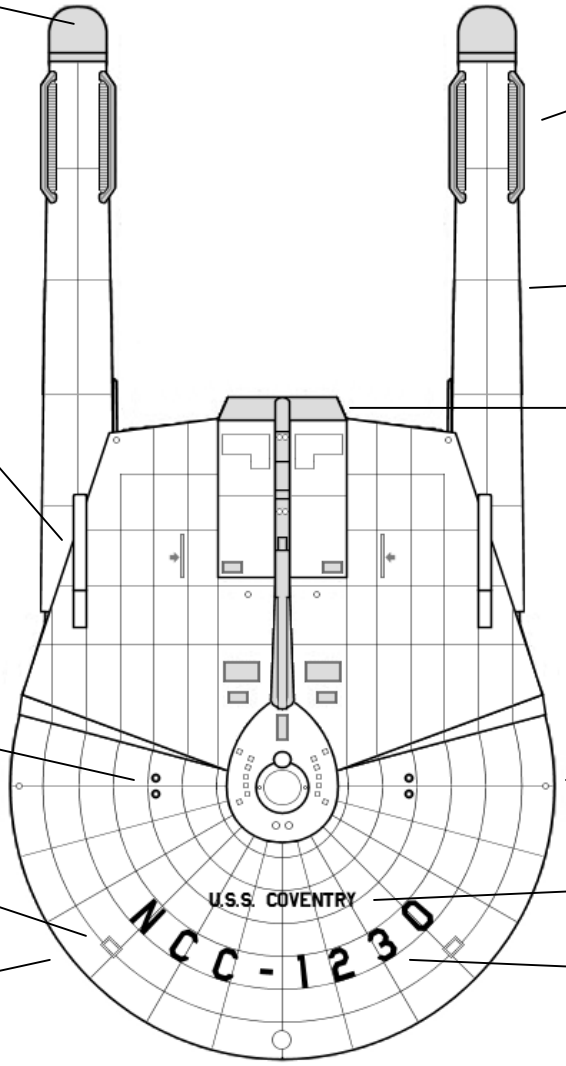
CONSTRUCTION DETAILS

CHIEF OF DESIGN	TODD GUENTHER
PRIMARY SHIPYARD	UTOPIA PLANETIA
PROJECT INITIATION	MARCH 2259, SD 1740
VESSELS CONSTRUCTED	14

VESSEL NAME	REGISTRY	STATUS AS OF SD 7411.3 (JANURARY 2272)
USS COVENTRY	NCC-1230	INACTIVE/ UNDERGOING RECONSTRUCTION TO MIRANDA CLASS SPECIFICATIONS
USS SOCORRO	NCC-1231	INACTIVE/ UNDERGOING RECONSTRUCTION TO MIRANDA CLASS SPECIFICATIONS
USS SANTANDER	NCC-1232	ACTIVE / STARFLEET COMMAND
USS ASSURANCE	NCC-1233	INACTIVE/ UNDERGOING RECONSTRUCTION TO MIRANDA CLASS SPECIFICATIONS
USS DAHLGREN	NCC-1234	ACTIVE / STARFLEET COMMAND
USS JEN MIRI	NCC-1235	ACTIVE / STARFLEET COMMAND
USS CONSTANT	NCC-1236	ACTIVE / STARFLEET COMMAND
USS ASHANTI	NCC-1237	DESTROYED
USS SVERDLOV	NCC-1238	DESTROYED
USS ELTANIN	NCC-1239	ACTIVE / STARFLEET COMMAND
USS RESURGENT	NCC-1240	ACTIVE / STARFLEET COMMAND
USS AURIGA	NCC-1241	ACTIVE / STARFLEET COMMAND
USS CARRIACOU	NCC-1242	INACTIVE/ UNDERGOING RECONSTRUCTION TO MIRANDA CLASS SPECIFICATIONS
USS INDUS	NCC-1243	DESTROYED

HEAVY FRIGATE CLASS

COVENTRY CLASS STARSHIPS – DORSAL VIEW



PB32 WARP FIELD GENERATOR COWLING [P/S]

PB-32 INTERCOOLER [P/S]

PB-32 PRIMARY WARP ENGINES [P/S]

MODULAR SYSTEM PYLON [PLANNED] [P/S]

IP186E IMPULSE UNIT HOUSING

MK IV TWIN EMITTER PHASER BANK [P/S]

NAVIGATION LIGHTS [P/S]

AIRLOCK LIFT, LIFEBOAT LAUNCH [2X P/S]

VESSEL'S COMMISIONED NAME

STARFLEET REGISTRY ID

PRIMARY HULL [SAUCER]

UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

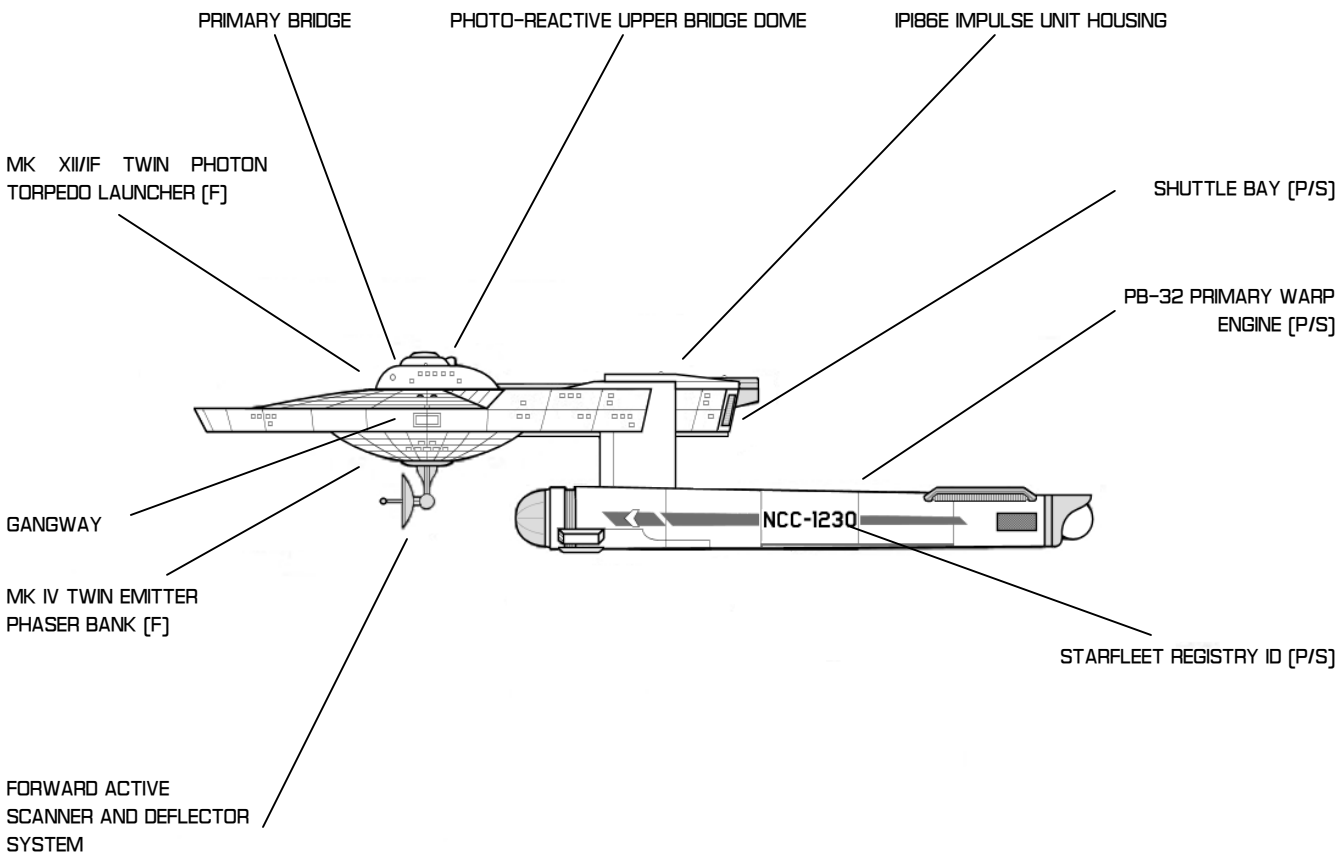
GENERAL PLANS:/RECOGNITION DETAIL
HEAVY FRIGATE [FA] / COVENTRY CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	TODD GUENTHER
AUTHENTICATION APPROVAL	SD 2401.55
VERSION RELEASE	SD 7411.27

HEAVY FRIGATE CLASS

COVENTRY CLASS STARSHIPS – PORT VIEW



UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

GENERAL PLANS:/RECOGNITION DETAIL
HEAVY FRIGATE [FA] / COVENTRY CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	TODD GUENTHER
AUTHENTICATION APPROVAL	SD 2401.55
VERSION RELEASE	SD 7411.27

HEAVY FRIGATE CLASS

CLASS SPECIFICS

STANDARD COMPLEMENT	
OFFICERS [COMMAND]	35
CREW	260

DIMENSIONS	
DEADWEIGHT TONNAGE	160,000 MT
LENGTH	221M
BREADTH	127M
HEIGHT	49M

ARMAMENTS	
PHASERS	MK IV TWIN EMITTER [F, F/P, F/S]
PHOTON TORPEDOES	MK XII/IF TWIN LAUNCHER [F]
DEFENSE DEFLECTOR SHIELD	PFF2A
PASSIVE DEFLECTOR	MK VI/AS
TRACTOR BEAM EMITTER	MK IV SS MICRO-COMPRESSOR [F, A]

PROPULSION SYSTEMS	
WARP/FTL DRIVE	PB-32 MK III—TANDEM [WF 6/8]
IMPULSE/SL DRIVE	IPI86E [.75C]
RCS SYSTEM	CCR45C [500KPM]

SUPPLEMENTAL CRAFT	
TYPE H TRAVEL POD	2
TYPE F SHUTTLECRAFT	4

SECONDARY SYSTEMS	
MAIN COMPUTER	DUOTRONIC MK II CU
ACTIVE SCANNER SUITE	MK III LX ADV SENSORY SYSTEM
PASSIVE SENSOR SUITE	MK III ADV SENSORY SYSTEM
TRANSPORTERS	2 STD / 2 EVAC / 2 CARGO
LIFE SUPPORT	MK IV CT-3 SUITE

MISSION PROFILE	
MISSION TYPE	PATROL COMBATANT, FA
MAXIMUM OPERATING RANGE	9 YEARS AT LYV

DECK ARRANGEMENT [GENERAL]	VESSEL SECTION	DECK SUMMARY
DECK ONE		BRIDGE
DECK TWO		SCIENCE LABS
DECK THREE		PHOTON CONTROL,
DECK FOUR		OFFICER'S QUARTERS
DECK FIVE		OFFICER'S QUARTERS, PHASER CONTROL, PHASER BANKS [F/P, F/S]
DECK SIX		CREW QUARTERS, ENGINEERING, IMPULSE REACTOR CONTROL
DECK SEVEN		CREW QUARTERS, AUX CONTROL, PERSONELL GANGWAY ACCESS
DECK EIGHT	FORWARD [SAUCER]	TRAVEL PODS, PERSONNEL GANGWAY ACCESS, SHUTTLEBAYS
DECK NINE	FORWARD [SAUCER]	FABRICATION FACILITIES, STORAGE
DECK TEN	FORWARD [SAUCER]	RECREATION DECKS, STORAGE
DECK ELEVEN	FORWARD [SAUCER]	PHASER COTNROL, PHASER BANK [F], SENSOR AND SCANNER CONTROL
DECK EIGHT	DORSAL [PYLON]	EMEGENCY SEAL AND SEPERATION, STORAGE
DECK NINE THRU ELEVEN	DORSAL [PYLON]	AUXILLARY MACHINERY

CRUISER CLASS

DECATUR CLASS STARSHIPS

GENERAL INFORMATION

THE *DECATUR* IS ONE OF THE LAST OF THE 'TRUE *CONSTITUTION*-ERA' VESSELS TO BE COMMISSIONED. THE SHIP WAS DESIGNED AS A LIGHTER VERSION OF THE *CONSTITUTION*., SACRIFICING MOST OF ITS AMINITIES TO CREATE A DEDICATED WARSHIP. AS A RESULT, THE *DECATUR* IS VERY SIMILAR IN COMBAT PERFORMANCE TO HER LARGER SISTER, BUT WITH SUBSTANTIALLY LESS WEIGHT AND OPERATIONS COST.

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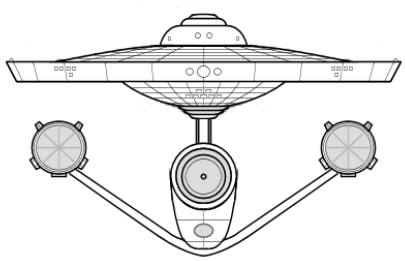
THE DECATUR IS DEPLOYED THROUGHOUT THE FEDERATION TO SERVE AS A COMBAT MAINSTAY IN SENSITIVE OR IMPORTANT AREAS OF FEDERATION INTEREST, PRIMARILY SERVING AS LINE DEFENSE AND NOT OFTEN FOR FIRST-RESPONSE. IN MILITARY ACTIONS, THEY'RE FAR MORE LIKELY TO BE ASSIGNED TO TASK FORCES THAN PATROLLING ON THEIR OWN.

THE REASON FOR THIS ASSIGNMENT IS PRETTY SIMPLE, THE *DECATUR*'S 'STRIPPED DOWN' CONFIGURATION ELIMINATES MANY OF THE FUNCTIONS THAT ALLOW THE LARGER *CONSTITUTION* CLASS TO PERFORM AS A VERSATILE MULTI-MISSION VESSEL, LEAVING A SHIP PRIMARILY CAPABLE AT COMBAT AND DEFENSE, WITH ONLY AVERAGE CAPABILITY IN OTHER ROLES..

DESPITE THIS LIMITATION, THE SHIP IS CONSIDERED A BOTH SUCCESSFUL AND EFFECTIVE, DESIGN. AS A RESULT, THE *DECATUR* CLASS HAS BEEN UPRATED TO THE NEW *BELKNAP* CLASS, MAKING USE OF THE NEW LN-SERIES WARP DRIVE [AND OTHER COMPONENTS]. THE UPRATING PROGRAM BEGAN IN JUNE OF 2271.

DECATUR CLASS - BOW VIEW



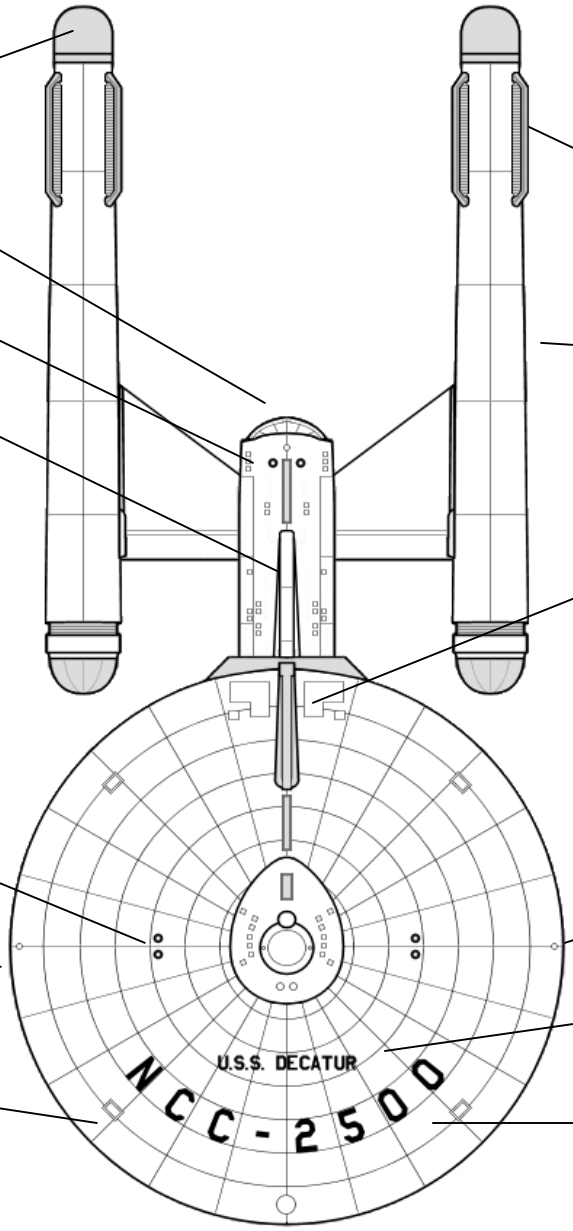
CONSTRUCTION DETAILS

CHIEF OF DESIGN	TODD GUENTHER
PRIMARY SHIPYARD	COSMODYNE SHIPYARDS
PROJECT INITIATION	MARCH 2264, SD 3220
VESSELS CONSTRUCTED	15

VESSEL NAME	REGISTRY	STATUS AS OF SD 7411.3 [JANURARY 2272]
USS DECATUR	NCC-2500	INACTIVE/ UNDERGOING RECONSTRUCTION TO BELKNAP CLASS SPECIFICATIONS
USS BELKNAP	NCC-2501	INACTIVE/ UNDERGOING RECONSTRUCTION TO BELKNAP CLASS SPECIFICATIONS
USS BRADLEY	NCC-2502	ACTIVE / STARFLEET COMMAND
USS KHIRIRAT	NCC-2503	INACTIVE/ UNDERGOING RECONSTRUCTION TO BELKNAP CLASS SPECIFICATIONS
USS HAVERSHAM	NCC-1234	DECOMISSIONED
USS SOVEREIGN	NCC-2505	ACTIVE / STARFLEET COMMAND
USS CONCORD	NCC-2506	DECOMISSIONED
USS RISHIRI	NCC-2507	INACTIVE/ UNDERGOING RECONSTRUCTION TO BELKNAP CLASS SPECIFICATIONS
USS ESSAHIR	NCC-2508	INACTIVE/ UNDERGOING RECONSTRUCTION TO BELKNAP CLASS SPECIFICATIONS
USS JARRETT	NCC-2509	ACTIVE / STARFLEET COMMAND
USS FAHRION	NCC-2510	ACTIVE / STARFLEET COMMAND
USS ESTOCIN	NCC-2511	ACTIVE / STARFLEET COMMAND
USS MATSURRA	NCC-2512	INACTIVE/ UNDERGOING RECONSTRUCTION TO BELKNAP CLASS SPECIFICATIONS
USS BAIKAL	NCC-2513	ACTIVE / STARFLEET COMMAND
USS HAVEN	NCC-2514	ACTIVE / STARFLEET COMMAND

CRUISER CLASS

DECATUR CLASS STARSHIPS – DORSAL VIEW



PB32 WARP FIELD GENERATOR COWLING [P/S]

MAIN SHUTTLEBAY

MK IV SINGLE EMITTER PHASER BANK [P/S]

CONNECTING DORSAL

MK IV TWIN EMITTER PHASER BANK [P/S]

PRIMARY HULL [SAUCER]

AIRLOCK LIFT, LIFEBOAT LAUNCH [2X P/S]

PB-32 INTERCOOLER [P/S]

PB-32 PRIMARY WARP ENGINES [P/S]

IPI86E IMPULSE UNIT HOUSING

NAVIGATION LIGHTS [P/S]

VESSEL'S COMMISIONED NAME

STARFLEET REGISTRY ID

UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

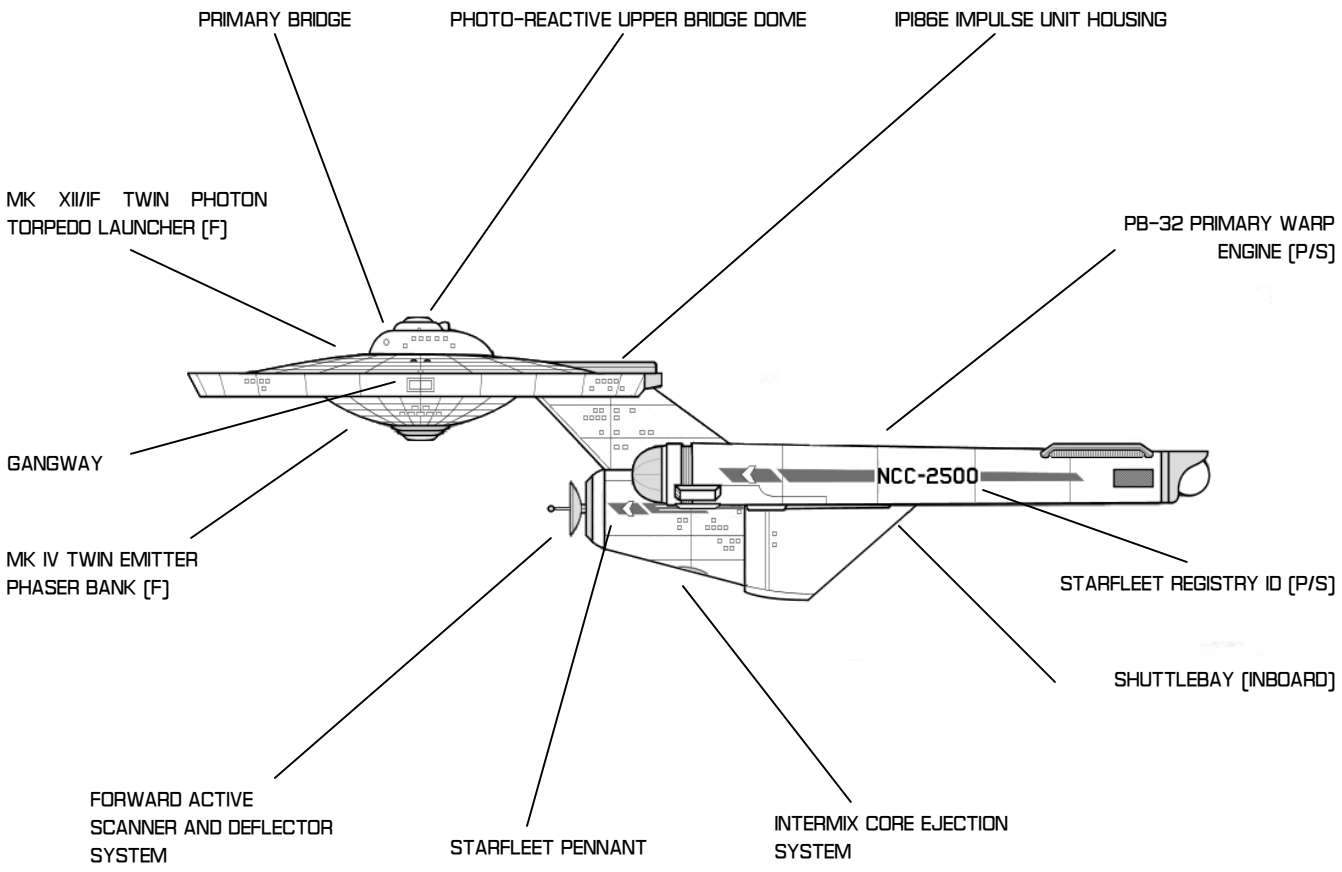
GENERAL PLANS:/RECOGNITION DETAIL
CRUISER [CC] / DECATUR CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	TODD GUENTHER
AUTHENTICATION APPROVAL	SD 2401.55
VERSION RELEASE	SD 7411.27

CRUISER CLASS

DECATUR CLASS STARSHIPS – PORT VIEW



UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

GENERAL PLANS:/RECOGNITION DETAIL
CRUISER [CC] / DECATUR CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	TODD GUENTHER
AUTHENTICATION APPROVAL	SD 2401.55
VERSION RELEASE	SD 7411.27

CRUISER CLASS

CLASS SPECIFICS

STANDARD COMPLEMENT	
OFFICERS (COMMAND)	32
CREW	280

DIMENSIONS	
DEADWEIGHT TONNAGE	175,000 MT
LENGTH	277M
BREADTH	127M
HEIGHT	78M

ARMAMENTS	
PHASERS	MK IV TWIN EMITTER (F, F/P, F/S)
	MK IV SINGLE EMITTER (A X2)
PHOTON TORPEDOES	MK XII/IF TWIN LAUNCHER (F)
DEFENSE DEFLECTOR SHIELD	PFF2A
PASSIVE DEFLECTOR	MK VI/AS
TRACTOR BEAM EMITTER	MK IV SS MICRO-COMPRESSOR (A)

PROPULSION SYSTEMS	
WARP/FTL DRIVE	PB-32 MK III—TANDEM (WF 6/8)
IMPULSE/SL DRIVE	IPI86E (.75C)
RCS SYSTEM	CCR45C (500KPM)

SUPPLEMENTAL CRAFT	
TYPE H TRAVEL POD	2
TYPE F SHUTTLECRAFT	4

SECONDARY SYSTEMS	
MAIN COMPUTER	DUOTRONIC MK II CU
ACTIVE SCANNER SUITE	MK III LX ADV SENSORY SYSTEM
PASSIVE SENSOR SUITE	MK III ADV SENSORY SYSTEM
TRANSPORTERS	4 STD / 3 EVAC / 2 CARGO
LIFE SUPPORT	MK IV CT-3 SUITE

MISSION PROFILE	
MISSION TYPE	PATROL COMBATANT, CC
MAXIMUM OPERATING RANGE	3 YEARS AT LYV

DECK ARRANGEMENT (GENERAL)	VESSEL SECTION	DECK SUMMARY
DECK ONE		BRIDGE
DECK TWO		SCIENCE LABS
DECK THREE		PHOTON CONTROL,
DECK FOUR		OFFICER'S QUARTERS
DECK FIVE		OFFICER'S QUARTERS, PHASER CONTROL, PHASER BANKS (F/P, F/S)
DECK SIX		CREW QUARTERS, ENGINEERING, IMPULSE REACTOR CONTROL
DECK SEVEN		CREW QUARTERS, AUX CONTROL, PERSONELL GANGWAY ACCESS
DECK EIGHT	FORWARD (SAUCER)	TRAVEL PODS, PERSONNEL GANGWAY ACCESS, COMPUTER ARRAY
DECK NINE	FORWARD (SAUCER)	FABRICATION FACILITIES, STORAGE
DECK TEN	FORWARD (SAUCER)	RECREATION DECKS, STORAGE
DECK ELEVEN	FORWARD (SAUCER)	PHASER COTNROL, PHASER BANK (F), SENSOR AND SCANNER CONTROL
DECK EIGHT	DORSAL (PYLON)	EMEGENCY SEAL AND SEPERATION, STORAGE
DECK NINE	DORSAL (PYLON)	AUXILLARY MACHINERY,
DECK TEN THRU FOURTEEN	DORSAL (PYLON)	AUXILLARY MACHINERY, REAR OBSERVATION DECKS, LOUNGES
DECK FIFTEEN		SHUTTLEBAY, SHUTTLE OBERSAVATION
DECK SIXTEEN		SHUTTLEBAY, MAIN ENGINEERING, PHASER BANK (A)
DECK SEVENTEEN		SHUTTLEBAY, MEDICAL SECTION, COMPUTERS
DECK EIGHTEEN		SHUTTLE MAINTEINANCE, GYMNASIUM, LOUNGE
DECK NINETEEN		SENSOR, SCANNER, AND DEFLECTION CONTROL, SHUTTLECRAFT SUPPLIES
DECK TWENTY		RECREATION AREA
DECK TWENTY-ONE		CREW QUARTERS
DECK TWENTY-TWO		FABRICATION FACILITIES, FOOD STORES, WASTE RETREATMENT
DECK TWENTY-THREE		STORAGE, CARGO HOLDS
DECK TWENTY-FOUR		CARGO HOLDS
DECK TWENTY-FIVE		EMEGENCY SEAL AND SEPERATION, STORAGE

SCOUT CLASS

MONOCEROS CLASS STARSHIPS

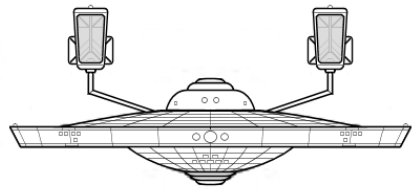
GENERAL INFORMATION

THE *MONOCEROS* IS A UNIQUE SHIP IN ITS OWN CLASS, DESIGNED PRIMARILY AS A TESTBED VESSEL FOR 'NEW GENERATION' TECHNOLOGY. THE MOST STRIKING DIFFERENCE WITH THE *MONOCEROS* FROM PREVIOUS SHIPS IS THE NEW PAIR OF LN-40 WARP ENGINES MOUNTED ABOVE THE MAIN SAUCER. IT IS FOR THESE ENGINES THAT THE SHIP WAS CREATED.

THE *MONOCEROS* IS OFFICIALLY DESIGNATED A 'SCOUT' AND AN UPRATED DESIGN FROM THE *HERMES* FAMILY OF SCOUTS, THOUGH THERE'S LITTLE THE SAME BETWEEN THE *MONOCEROS* AND HER WOULD-BE SISTER SHIPS CONSIDERING THE NEW TECHNOLOGY PLACED WITHIN HER.

DESPITE BEING CONSIDERED A MODERATELY SUCCESSFUL TEST VESSEL, THE AXE FELL ON THE *MONOCEROS* DESIGN ITSELF, WITH NO NEW BUILDS ALLOCATED FOR SHIPS OF THE TYPE. INSTEAD, A NEW DESIGN, EMPLOYING SOME OF THE LESSONS LEARNED FROM THE TEST PROJECT, WOULD BE DEPLOYED IN 2271, THE *OBERTH* CLASS.

MONOCEROS CLASS – BOW VIEW



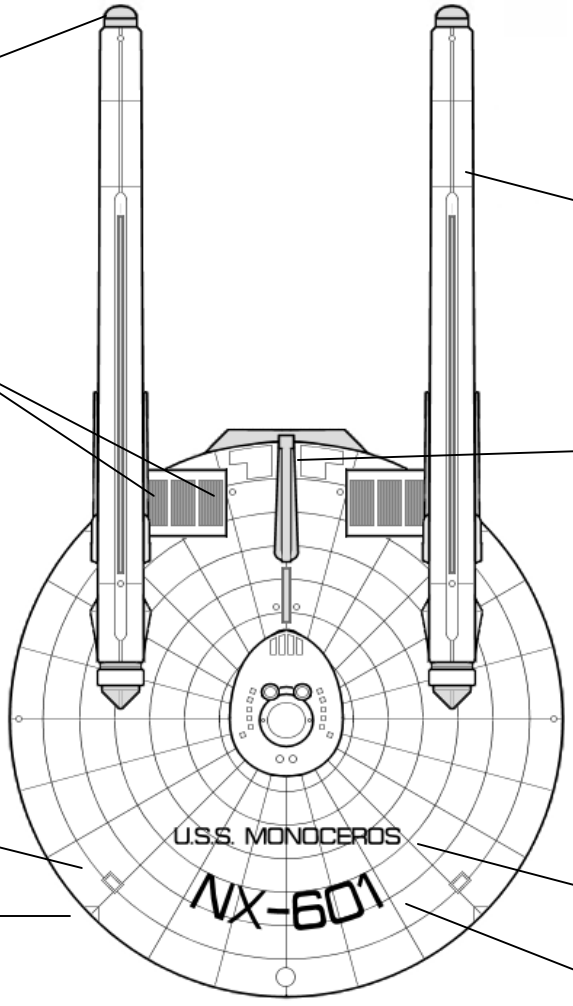
CONSTRUCTION DETAILS

CHIEF OF DESIGN	ARIDAS SOFIA
PRIMARY SHIPYARD	SAN FRANCISCO ORBITAL
PROJECT INITIATION	MARCH 2264, SD 4840
VESSELS CONSTRUCTED	1

VESSEL NAME	REGISTRY	STATUS AS OF SD 7411.3 (JANUARY 2272)
USS MONOCEROS	NX-601	ACTIVE / STARFLEET COMMAND

SCOUT CLASS

MONOCEROS CLASS STARSHIPS – DORSAL VIEW



LN40 WARP FIELD GENERATOR COWLING [P/S]

LN-40 PRIMARY WARP ENGINES [P/S]

EMERGENCY FLUSH VENTS [P/S]

IPI86E IMPULSE UNIT HOUSING

PRIMARY HULL [SAUCER]

NAVIGATION LIGHTS [P/S]

AIRLOCK LIFT, LIFEBOAT LAUNCH [2X P/S]

CHEMICAL PROPULSION THRUSTER [P/S]

VESSEL'S COMMISIONED NAME

STARFLEET REGISTRY ID

UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

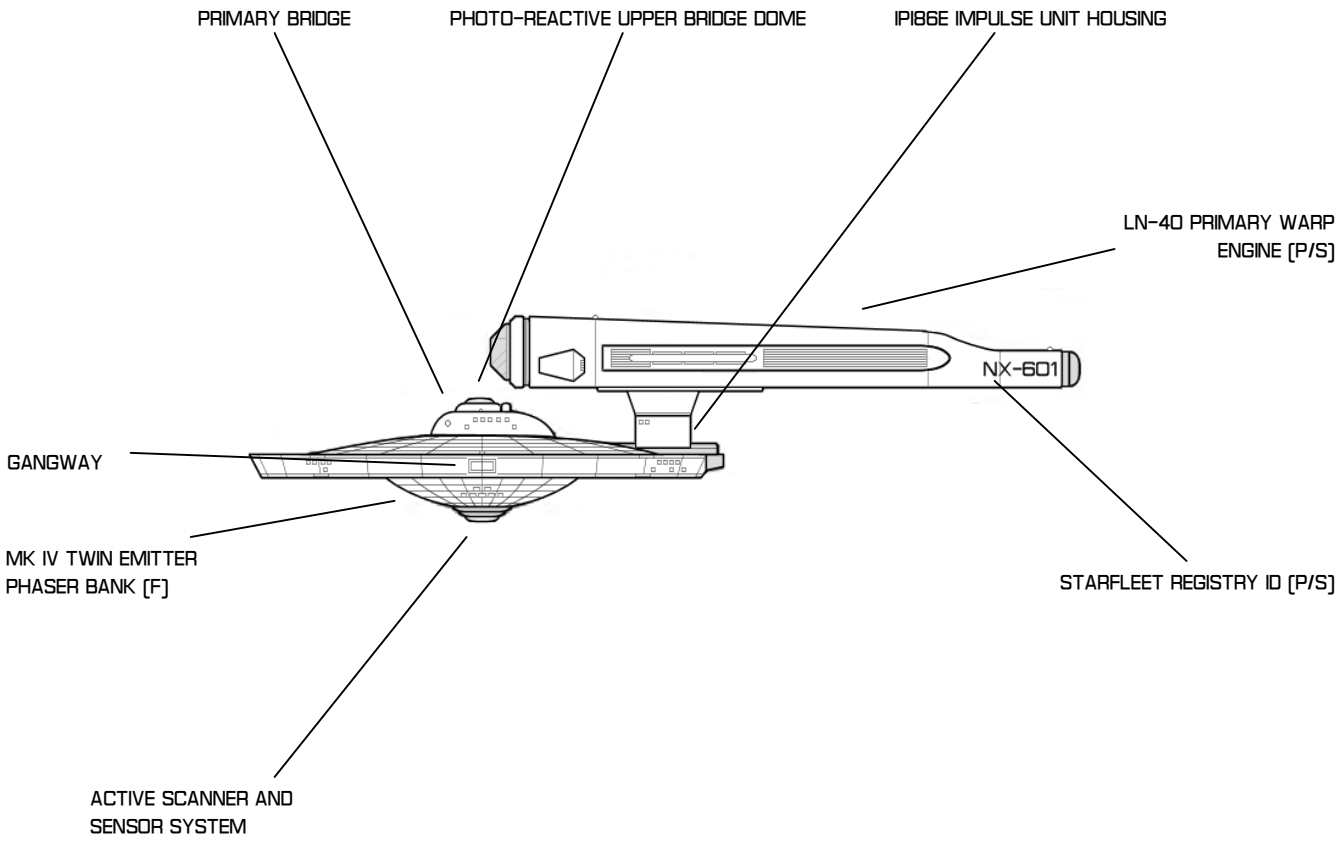
GENERAL PLANS:/RECOGNITION DETAIL
SCOUT [SX] / MONOCEROS CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	ARIDAS SOFIA
AUTHENTICATION APPROVAL	SD 4840.55
VERSION RELEASE	SD 7411.27

SCOUT CLASS

MONOCEROS CLASS STARSHIPS – PORT VIEW



SCOUT CLASS

CLASS SPECIFICS

STANDARD COMPLEMENT	
OFFICERS (COMMAND)	20
CREW	180

DIMENSIONS	
DEADWEIGHT TONNAGE	125,000 MT
LENGTH	226M
BREADTH	127M
HEIGHT	56M

ARMAMENTS	
PHASERS	MK IV TWIN EMITTER (F)
PHOTON TORPEDOES	NONE
DEFENSE DEFLECTOR SHIELD	PFF2A
PASSIVE DEFLECTOR	MK VI/AS
TRACTOR BEAM EMITTER	MK IV SS MICRO-COMPRESSOR (A)

PROPULSION SYSTEMS	
WARP/FTL DRIVE	PB-LN MK III—TANDEM (WF 7/9)
IMPULSE/SL DRIVE	IPI86E (.75C)
RCS SYSTEM	CCR50C (500KPM)

SUPPLEMENTAL CRAFT	
TYPE H TRAVEL POD	2

SECONDARY SYSTEMS	
MAIN COMPUTER	DUOTRONIC MK II CU
ACTIVE SCANNER SUITE	MK III LX HVY SENSORY SYSTEM
PASSIVE SENSOR SUITE	MK III HVY SENSORY SYSTEM
TRANSPORTERS	2 STD / 2 EVAC / 2 CARGO
LIFE SUPPORT	MK IV CT-3 SUITE

MISSION PROFILE	
MISSION TYPE	SURVEY, SCOUT, SC
MAXIMUM OPERATING RANGE	12 YEARS AT LYV

DECK ARRANGEMENT (GENERAL)	VESSEL SECTION	DECK SUMMARY
DECK ONE		BRIDGE
DECK TWO		SCIENCE LABS
DECK THREE		PHOTON CONTROL,
DECK FOUR		OFFICER'S QUARTERS, MAIN RECREATION DECK
DECK FIVE		OFFICER'S QUARTERS, PHASER CONTROL,
DECK SIX		CREW QUARTERS, ENGINEERING, IMPULSE REACTOR CONTROL
DECK SEVEN		CREW QUARTERS, AUX CONTROL, PERSONELL GANGWAY ACCESS
DECK EIGHT		TRAVEL PODS, PERSONNEL GANGWAY ACCESS, COMPUTER ARRAY
DECK NINE		FABRICATION FACILITIES, STORAGE
DECK TEN		RECREATION DECKS, STORAGE
DECK ELEVEN		PHASER COTNROL, PHASER BANK (F), SENSOR AND SCANNER CONTROL

HEAVY CRUISER CLASS

ENDEAVOUR CLASS STARSHIPS

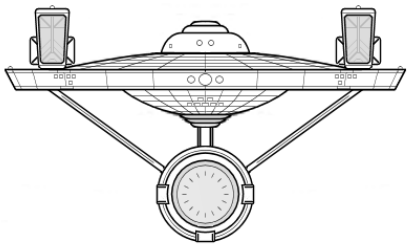
GENERAL INFORMATION

WITH THE *CONSTITUTION* CLASS BEING MOST VERSATILE OF FEDERATION DESIGNS, IT WAS ONLY NATURAL THAT WHEN NEW ENGINE DESIGNS WERE APPROVED, THAT NEW CLASSES USING THE BASIC CONCEPTS OF THE *CONSTITUTION* CLASS WOULD BE FIELDED FOR THOSE NEW ENGINES. THIS IS HOW THE *ENDEAVOUR* CLASS CAME INTO BEING.

THE *ENDEAVOUR*, HOWEVER, WAS NEVER MEANT TO BE A GENERATIONAL REPLACEMENT TO THE *CONSTITUTION*, AND WAS DESIGNED AS AN INCREMENTAL IMPROVEMENT TO THE EXISTING FLEET, MAKING USE OF SOME OF THE NEW SYSTEMS AVAILABLE IN THE 2260'S. THE SHIPS PERFORM, PER SPEC, MARGINALLY BETTER THAN A STRICT SPECIFICATION *CONSTITUTION* CLASS, HOWEVER, MORE 'TWEAKED' *CONSTITUTION* CLASS SHIPS (SUCH AS THE LEGENDARY *ENTERPRISE*) STILL MANAGED TO BEST THE *ENDEAVOUR* IN TRIAL RUNS.

AS WITH OTHER SHIP CLASSES SPORTING THE LN-40 ENGINES, ONLY A HANDFUL OF *ENDEAVOUR* CLASS VESSELS WERE BUILT. CURRENT PLANS ARE TO ONLY REFIT ENDEAVOUR CLASS SHIPS TO THE NEW *CONSTITUTION* (REFIT) SPECIFICATIONS ONLY AFTER ALL REMAINING ORIGINAL DESIGN *CONSTITUTION* AND *ACHERNAR* CLASS VESSELS ARE COMPLETED.

ENDEAVOUR CLASS - BOW VIEW



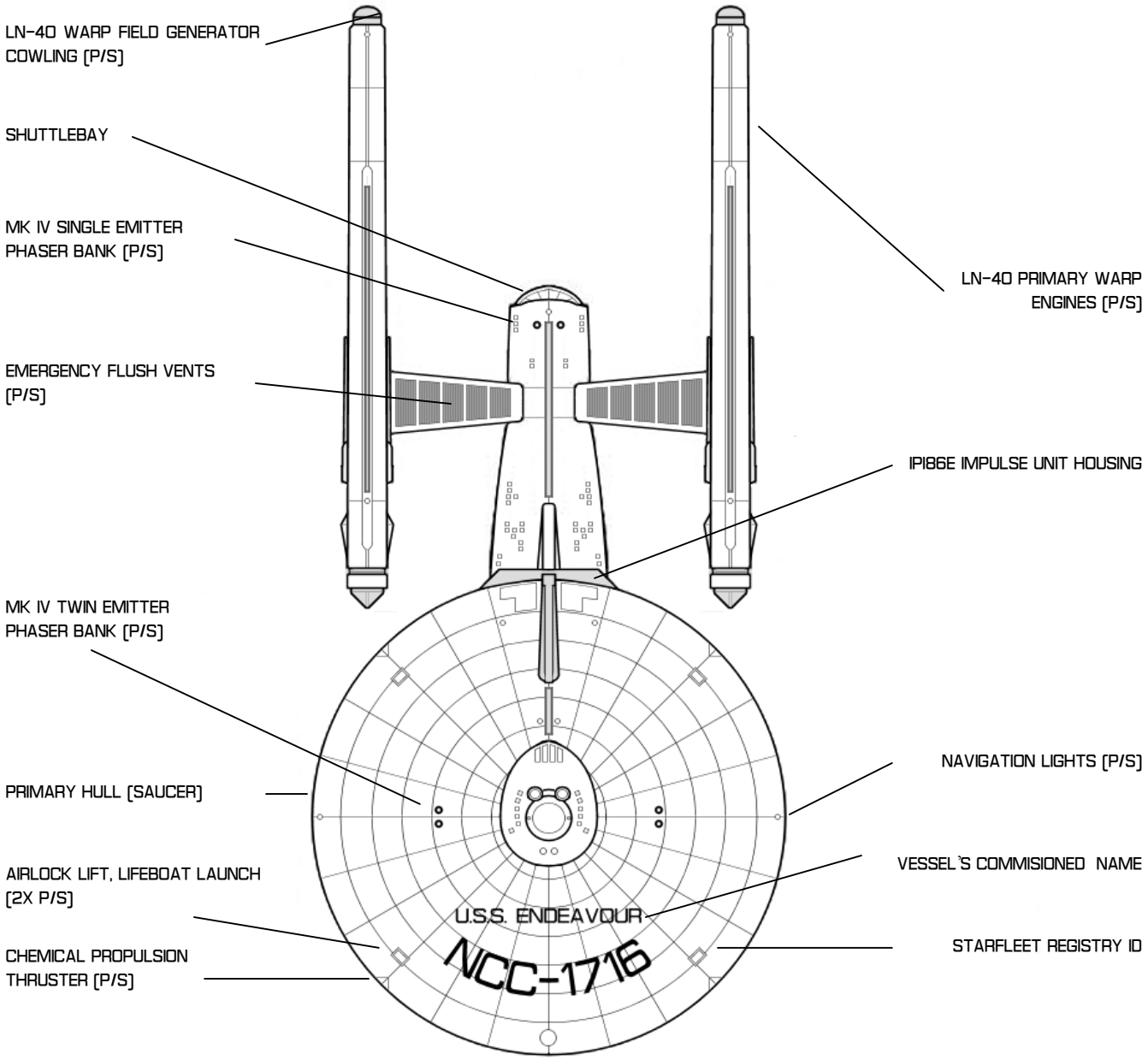
CONSTRUCTION DETAILS

CHIEF OF DESIGN	ARIDAS SOFIA
PRIMARY SHIPYARD	UTOPIA PLANETIA
PROJECT INITIATION	JULY 2265, SD 3939
VESSELS CONSTRUCTED	16

VESSEL NAME	REGISTRY	STATUS AS OF SD 7411.3 (JANURARY 2272)
USS ENDEAVOUR	NCC-1716	CLASS SHIP; DESTROYED
USS YORKTOWN	NCC-1717	ACTIVE / STARFLEET COMMAND
USS VALIANT	NCC-1718	ACTIVE / STARFLEET COMMAND
USS ZUIHO	NCC-1719	ACTIVE / STARFLEET COMMAND
USS RADETSKY	NCC-1720	ACTIVE / STARFLEET COMMAND
USS UKRANIA	NCC-1721	ACTIVE / STARFLEET COMMAND
USS EL DORADO	NCC-1722	ACTIVE / STARFLEET COMMAND
USS ARI	NCC-1723	DESTROYED
USS KENT	NCC-1724	ACTIVE / STARFLEET COMMAND
USS TORI	NCC-1725	ACTIVE / STARFLEET COMMAND
USS KRIEGER	NCC-1726	ACTIVE / STARFLEET COMMAND
USS TRUXTON	NCC-1727	ACTIVE / STARFLEET COMMAND
USS TI-HO	NCC-1728	ACTIVE / STARFLEET COMMAND
USS CONFIANCE	NCC-1729	ACTIVE / STARFLEET COMMAND
USS BUNKER HILL	NCC-1730	ACTIVE / STARFLEET COMMAND
USS LA VENGEANCE	NCC-1731	ACTIVE / STARFLEET COMMAND

HEAVY CRUISER CLASS

ENDEAVOUR CLASS STARSHIPS – DORSAL VIEW



UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

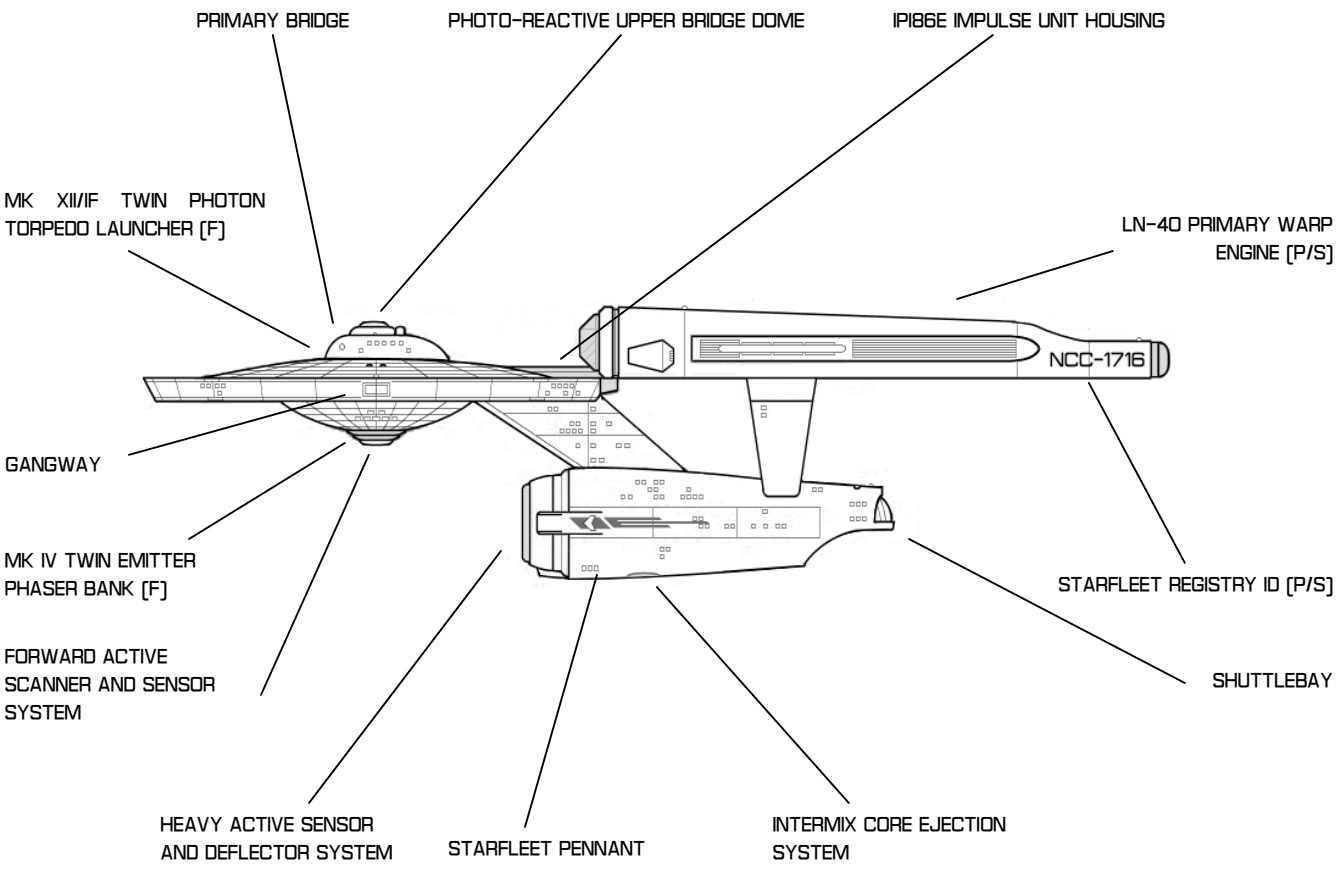
GENERAL PLANS:/RECOGNITION DETAIL
HEAVY CRUISER [CA] / ENDEAVOUR CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	ARIDAS SOFIA
AUTHENTICATION APPROVAL	SD 4840.55
VERSION RELEASE	SD 7411.27

HEAVY CRUISER CLASS

ENDEAVOUR CLASS STARSHIPS – PORT VIEW



UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

GENERAL PLANS:/RECOGNITION DETAIL
HEAVY CRUISER [CA] / ENDEAVOUR CLASS

AUTHENTICATION NOTICE

CHIEF OF DESIGN	ARIDAS SOFIA
AUTHENTICATION APPROVAL	SD 2401.55
VERSION RELEASE	SD 7411.27

HEAVY CRUISER CLASS

CLASS SPECIFICS

STANDARD COMPLEMENT	
OFFICERS (COMMAND)	43
CREW	387

DIMENSIONS	
DEADWEIGHT TONNAGE	165,000 MT
LENGTH	290M
BREADTH	127M
HEIGHT	72M

ARMAMENTS	
PHASERS	MK IV TWIN EMITTER (F, F/P, F/S) MK IV SINGLE EMITTER (A X2)
PHOTON TORPEDOES	MK XII/IF TWIN LAUNCHER (F)
DEFENSE DEFLECTOR SHIELD	PFF3A
PASSIVE DEFLECTOR	MK VI/AS
TRACTOR BEAM EMITTER	MK IV SS MICRO-COMPRESSOR (A)

PROPULSION SYSTEMS	
WARP/FTL DRIVE	LN-40 MK III—TANDEM (WF 7/9)
IMPULSE/SL DRIVE	IPI86E (.75C)
RCS SYSTEM	CCR50C (500KPM)

SUPPLEMENTAL CRAFT	
TYPE H TRAVEL POD	2
TYPE F SHUTTLECRAFT	4
TYPE HF SHUTTLECRAFT	2
TYPE AF SHUTTLECRAFT	2

SECONDARY SYSTEMS	
MAIN COMPUTER	DUOTRONIC MK III CU
ACTIVE SCANNER SUITE	MK III LX HVY SENSORY SYSTEM
PASSIVE SENSOR SUITE	MK III HVY SENSORY SYSTEM
TRANSPORTERS	5 STD / 4 EVAC / 2 CARGO
LIFE SUPPORT	MK IV CT-3 SUITE

MISSION PROFILE	
MISSION TYPE	EXPLORATION/PATROL, CA
MAXIMUM OPERATING RANGE	12 YEARS AT LYV

DECK ARRANGEMENT (GENERAL)	VESSEL SECTION	DECK SUMMARY
DECK ONE		BRIDGE
DECK TWO		SCIENCE LABS
DECK THREE		PHOTON CONTROL,
DECK FOUR		OFFICER'S QUARTERS, MAIN RECREATION DECK
DECK FIVE		OFFICER'S QUARTERS, PHASER CONTROL, PHASER BANKS (F/P, F/S)
DECK SIX		CREW QUARTERS, ENGINEERING, IMPULSE REACTOR CONTROL
DECK SEVEN		CREW QUARTERS, AUX CONTROL, PERSONELL GANGWAY ACCESS
DECK EIGHT	FORWARD (SAUCER)	TRAVEL PODS, PERSONNEL GANGWAY ACCESS, COMPUTER ARRAY
DECK NINE	FORWARD (SAUCER)	FABRICATION FACILITIES, STORAGE
DECK TEN	FORWARD (SAUCER)	RECREATION DECKS, STORAGE
DECK ELEVEN	FORWARD (SAUCER)	PHASER COTNROL, PHASER BANK (F), SENSOR AND SCANNER CONTROL
DECK EIGHT	DORSAL (PYLON)	EMEGENCY SEAL AND SEPERATION, STORAGE
DECK NINE	DORSAL (PYLON)	AUXILLARY MACHINERY,
DECK TEN THRU FOURTEEN	DORSAL (PYLON)	AUXILLARY MACHINERY, REAR OBSERVATION DECKS, LOUNGES
DECK FIFTEEN		SHUTTLEBAY, SHUTTLE OBERSAVATION
DECK SIXTEEN		SHUTTLEBAY, MAIN ENGINEERING, PHASER BANK (A)
DECK SEVENTEEN		SHUTTLEBAY, MEDICAL SECTION, COMPUTERS
DECK EIGHTEEN		SHUTTLE MAINTEINANCE, GYMNASIUM, LOUNGE
DECK NINETEEN		SENSOR, SCANNER, AND DEFLECTION CONTROL, SHUTTLECRAFT SUPPLIES
DECK TWENTY		RECREATION AREA
DECK TWENTY-ONE		CREW QUARTERS
DECK TWENTY-TWO		FABRICATION FACILITIES, FOOD STORES, WASTE RETREATMENT
DECK TWENTY-THREE		STORAGE, CARGO HOLDS
DECK TWENTY-FOUR		CARGO HOLDS

WARP ENGINE - LN-40

STARSHIP "FASTER THAN LIGHT" MAIN DRIVE SYSTEM

GENERAL INFORMATION

THOUGH THE PB-32 ENGINE HAD SERVED THE FEDERATION WELL SINCE THE 2240S, BY THE 2260S THEY WERE BEGINNING TO PUSH THEIR REASONABLE LIMITS OF DESIGN. THOUGH THE *ENTERPRISE* HAD BROKEN NUMEROUS SPEED RECORDS AS LATE AS 2269, IT WAS BECOMING CLEAR THAT A NEW APPROACH TO WARP DYNAMICS WAS BECOMING NEEDED.

IN THE LATE 2250'S, A PROJECT WAS BEGUN FOCUSING ON THE CONCEPT OF 'LINEAR' WARP DRIVE, WHICH WAS BASED ON THE THEORY OF TIGHTER CONTROL OF A WARP FIELD BY SMALLER IN-LINE SUBSPACE COMPRESSORS RATHER THAN THE LARGE ONE IN USE. AFTER A DECADE OF RESEARCH AND EXPERIMENTS, THE LN-40 WAS SUCCESSFULLY TESTED ON THE *MONOCEROS*.

THE LN-40 WAS NOT ENVISIONED AS A REVOLUTION ON ITS OWN RIGHT, BUT RATHER A 'PROOF OF CONCEPT' OF LINEAR WARP DRIVES. AS SUCH, IT RETAINS AN INITIAL 'REGULAR' SUBSPACE COMPRESSOR BEFORE ENTERING THE LINEAR SUSSPACE CONTROL SYSTEM. THE RESULT IS AN ENGINE DESIGN THAT, PER SPEC, IS SUPERIOR TO THE PB-32 SERIES, BUT NOT SPECTACULARLY SO.

IN THE MID 2260'S, HOWEVER, THE DECISION WAS MADE THAT FOR KEY STARSHIP CLASSES, RUNNING DESIGN CHANGES WOULD BE MADE FOR NEW BUILDS. THIS WAS LARGELY DUE TO THE REALIZATION THAT THE KLINGON EMPIRE WAS IN THE PROCESS OF UPGRADING THEIR OWN FLEET [THOUGH FEDERATION ESTIMATES WERE FAR TOO GENEROUS IN JUST HOW MUCH].

THOUGH AN IMPROVEMENT, THE FEDERATION FELT THAT THE BULK OF THE FLEET WOULD NOT NEED UPRATING JUST YET. OLDER SHIPS WOULD RETAIN THE PB-32 BASED ENGINES, WITH THE LN-40 SEEING LIMITED INTRODUCTION. THE REASON FOR THIS WAS SIMPLE. THE LN-40 WAS JUST THE FIRST PROOF OF CONCEPT AND SERVED AS A STOP-GAP MEASURE. THE DESIGN SPECIFICS SOUGHT WOULD BE MET LATER, BY THE LN-64.

VARIANT ENGINES OF THE SERIES

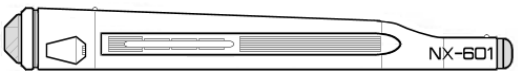
LN-40-S

THE 'SHORT' VERSION OF THE LN-40 DESIGN CUTS BACK ON THE PRIMARY 'OLD STYLE' FIELD GENERATOR AND CUTS DOWN ON THE NUMBER OF LINEAR COMPRESSORS. THE RESULT, AS EXPECTED, IS A LESS POWERFUL AND EFFICIENT WARP FIELD THAN THE LARGER COUSIN.

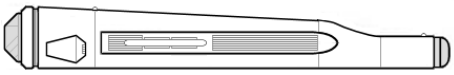
THOUGH PLANS FOR STAR FLEET SHIPS UTILIZING THE LN-40-S WERE CONSIDERED, NONE CAME TO FRUITION. THE SMALL WARP ENGINES FOUND ON THE *OBERTH* CLASS FULFILLED THE INTENDED ROLE MORE EFFICIENTLY FOR LIGHTER VESSELS THAN THE LN-40 WAS DELIVERING.

THE LN-40-S MAY SEE SOME LIFE, HOWEVER, AS STAR FLEET IS CONSIDERING DECLASSIFICATION OF THE DRIVE SYSTEM FOR USE ON CIVILIAN VESSELS. WHILE THIS IS CURRENTLY HOTLY DEBATED, IT'S EXPECTED THAT WITH THE NEW LN-64 SERIES ENGINES ALREADY FIELDED, THERE IS LITTLE NEED TO GUARD 'OLD TECHNOLOGY'.

LN-40 VARIANT COMPARISON SCHEMATIC



LN-40 MAIN DESIGN



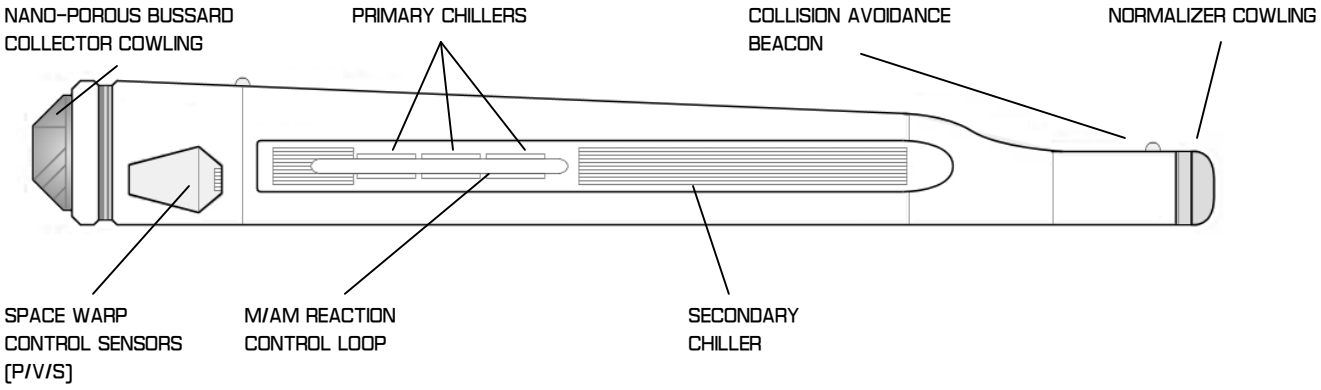
LN-40 "SHORT" VARIANT

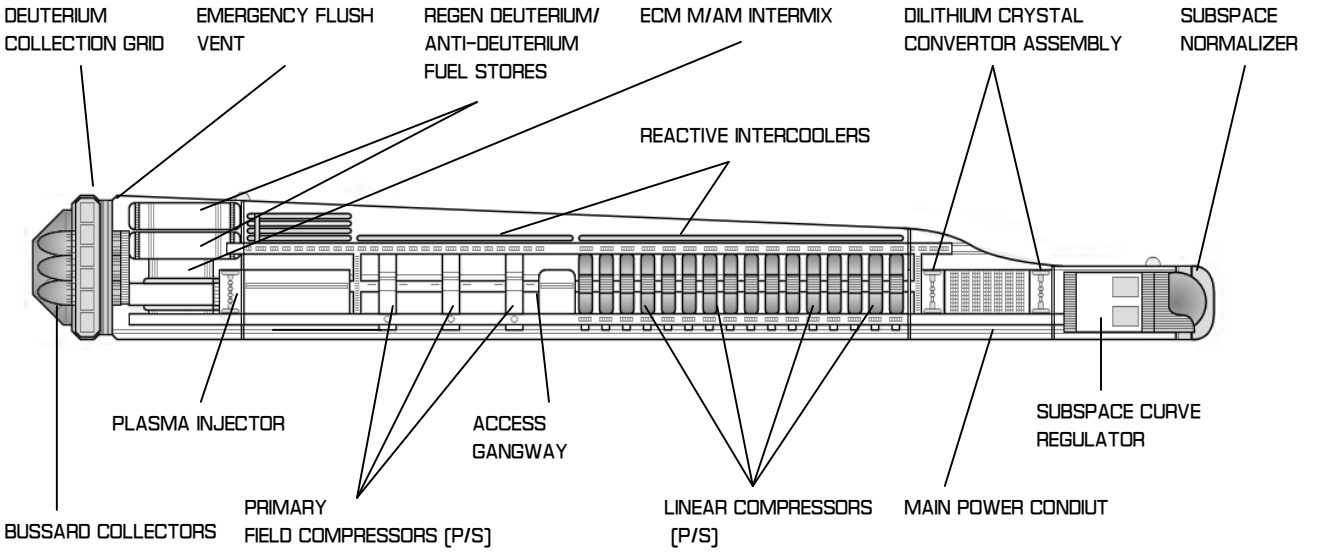
PB-32

SYSTEM DETAILS		
DESIGNATION	LN-40 "FTL" WARP ENGINE	LN-40-S "FTL" WARP ENGINE
SYSTEM COMMISION	MARCH 2264, SD 4840	MARCH 2264, SD 4840
SYSTEM FUNCTION	MAIN WARP DRIVE UNIT M/AM POWER SOURCE	MAIN WARP DRIVE UNIT M/AM POWER SOURCE
SYSTEM SPECIFICS		
LENGTH	161M	141M
WIDTH	15M	15M
HEIGHT	20M	20M
MASS	25,000MT	22,000MT
PERFORMANCE INFORMATION		
WARP SPEED RATING	SINGLE WF 6/8 TANDEM WF 7/9	SINGLE WF 5/7 TANDEM WF 6/8

WARP ENGINE – LN-40

STARSHIP "FASTER THAN LIGHT" MAIN DRIVE SYSTEM





UNITED FEDERATION OF PLANETS
STAR FLEET DIVISION

GENERAL PLANS:/RECOGNITION DETAIL
WARP ENGINE – LN-40

AUTHENTICATION NOTICE

CHIEF OF DESIGN	ARIDAS SOFIA
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