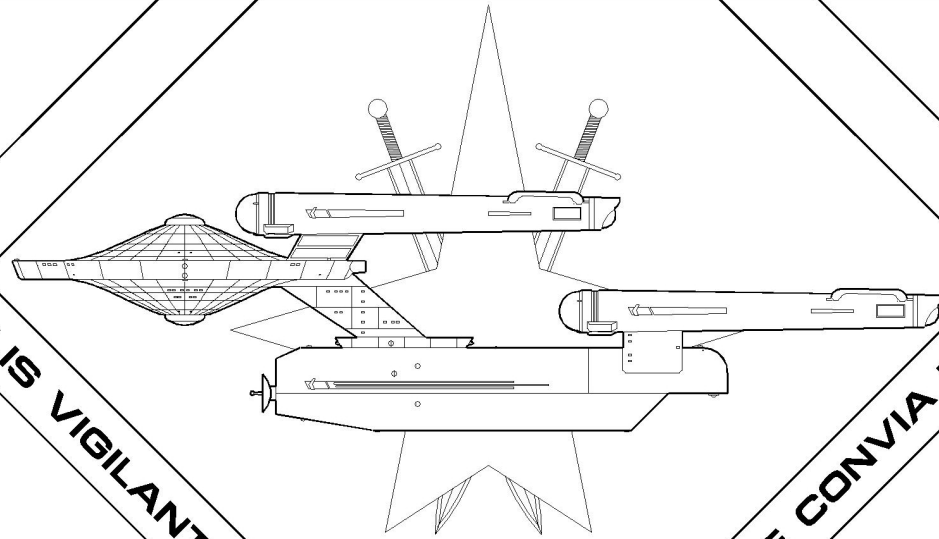


BATTLESHIP USS BROADSWORD



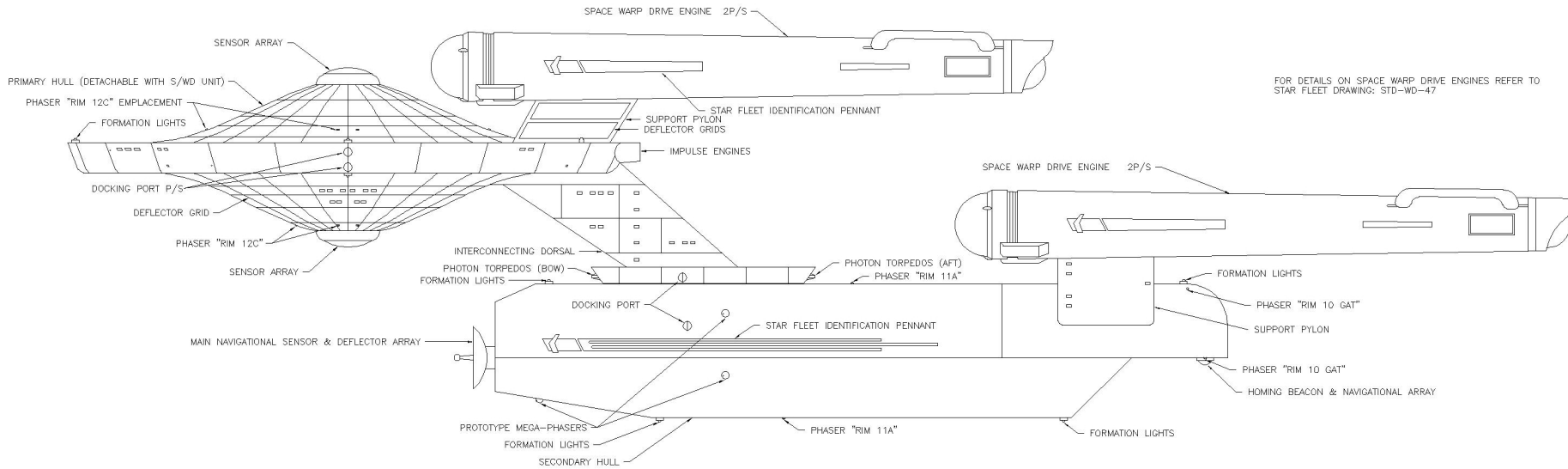
FIDELIS VIGILANTIS DEBERETATIS

VIS DEFENDERE CONVIA PAX

MK X.V

NCC

2160



FOR DETAILS ON SPACE WARP DRIVE ENGINES REFER TO STAR FLEET DRAWING: STD-WD-47

PROPOSAL PLANS

U.S.S. BROADSWORD CLASS

SPECIFICATIONS FOR THE BROADSWORD CLASS BATTLESHIP

OVERALL LENGTH	377.15 M	PERFORMANCE	CRUISING VELOCITY	7 W.F.	ENGINE DATA	MAIN PROPULSION UNITS	4
OVERALL BEAM	214.00 M	MAXIMUM VELOCITY	9 W.F.	DUAL IMPULSE UNITS			6
OVERALL DRAFT	96.34 M						
PRIMARY HULL LENGTH	143.10 M	HULL ENDURANCE AT L.V.V.	PRIMARY	12	MISSION DURATION	STANDARD	9 YEARS **
BEAM	140.00 M	SECONDARY	24	MAXIMUM	18 YEARS **		
DRAFT	38.00 M	OVERALL VESSEL	26				
SECONDARY HULL LENGTH	183.00 M	SHIPS COMPLEMENT	OFFICERS	113	WEAPONS DATA	MEGA-PHASERS	6
BEAM	144.00 M	CREW	898	DRONE RACKS	4	GATLING PHASERS	4
DRAFT	33.43 M	TOTAL	1050	ANTI-DRONE RACKS	4	PHOTON TORPEDO TUBES	6
WARP ENGINE LENGTH	153.62 M	TRANSPORTERS	6 PERSON	8	ACCELERATION	ONSET CRITICAL MOMENTUM WARP ENGAGE	2.12 SEC
BEAM	19.70 M	22 PERSON			REST-ONSET CRITICAL MOMENTUM	24.02 SEC	
DRAFT	18.20 M	CARGO	4		WARP 1 - WARP 4	1.08 SEC	
STANDARD CEILING HEIGHT	2.44 M	SHUTTLE CRAFT	STANDARD 7 PERSON	10	WARP 4 - WARP 7	1.55 SEC	
OVERDECKS	11.00 M	MULTI-ROLE	4		WARP 7 - WARP 9	1.75 SEC	
HANGAR DECK	5.69 M	AQUASHUTTLE	2				
CYMNASIUM		LONG RANGE TRANSPORT ARMOURD SHUTTLES	L.V.V.	2			
DISPLACEMENT		FIGHTER SHUTTLES	8 *				
LIGHT STANDARD	400,000 MT	ENGINEERING POD	4				
LOADED	450,000 MT	WORK-BEE POD	24				

THE FOLLOWING CLASS OF SHIPS ARE BEING PROPOSED FOR STAR FLEET APPROPRIATION STARDATE: 6070.

BACKSWORD	NCC-2155
BROADSWORD	NCC-2160
CLAYMORE	NCC-2167
CUTLASS	NCC-2164
ALBION	NCC-2156
RAPIER	NCC-2163
SABER	NCC-2158
DURENDALA	NCC-2162
HRUNTING	NCC-2159
WAKIZASHI	NCC-2161

ALL NAMES PRECEDED WITH U.S.S.
*CLASS SHIP
COVER PAGE SHOWS SHIP'S PERSONAL INSIGNIA:
LATIN TRANSLATED TO:
"LOYALTY VIGILANCE DUTY STRENGTH DEFENCE BRINGS PEACE"

NCC STANDS FOR NAVAL CONSTRUCTION CONTRACT
ESTIMATED COST PER SHIP: 43.4 BILLION CREDITS

PERFORMANCE CHARACTERISTICS (STATIC)	
WARP DYNAMIC EFFICIENCY:	POWER COEFFICIENT INDICE
POWERPLANT:	MAXIMUM OUTPUT
	OPTIMUM OUTPUT
SUBSPACE FIELD:	FIELD STRENGTH
	FIELD THRESHOLD
	FIELD PERSISTENCE
	FIELD RADIUS
	FIELD CAPACITY

PERFORMANCE CHARACTERISTICS (DYNAMIC)	
WARP DYNAMIC EFFICIENCY:	POWER COEFFICIENT INDICE
STRUCTURAL STRAIN PARAMETERS:	DIFFERENTIAL STRESS (PRIME)
	DIFFERENTIAL STRESS (BETA)
	DIFFERENTIAL STRESS (GAMMA)
	DIFFERENTIAL STRESS (DELTA)

WARPSPEED HANDLING:	WARP ACCELERATION RATE
	WARP DECELERATION RATE
	WARP ATTITUDE CHANGE RATE
SUBLIGHT HANDLING:	IMPULSE ACCELERATION RATE
	IMPULSE DECELERATION RATE
	IMPULSE ATTITUDE CHANGE RATE



UNITED FEDERATION OF PLANETS STARFLEET ENGINEERING DIVISION BUREAU OF OPERATIONS - OFFICE OF RECORDS			
GENERAL PLANS		SPACECRAFT CLASS: STARSHIP OF THE LINE	
MODEL:	MK-X.V	TYPE:	BATTLESHIP
SHIP NAME:	BROADSWORD	NCC-NUMBER:	2160
GENERATED BY: MASTERCOM SFHQ		NOMINAL CLASS: BROADSWORD	

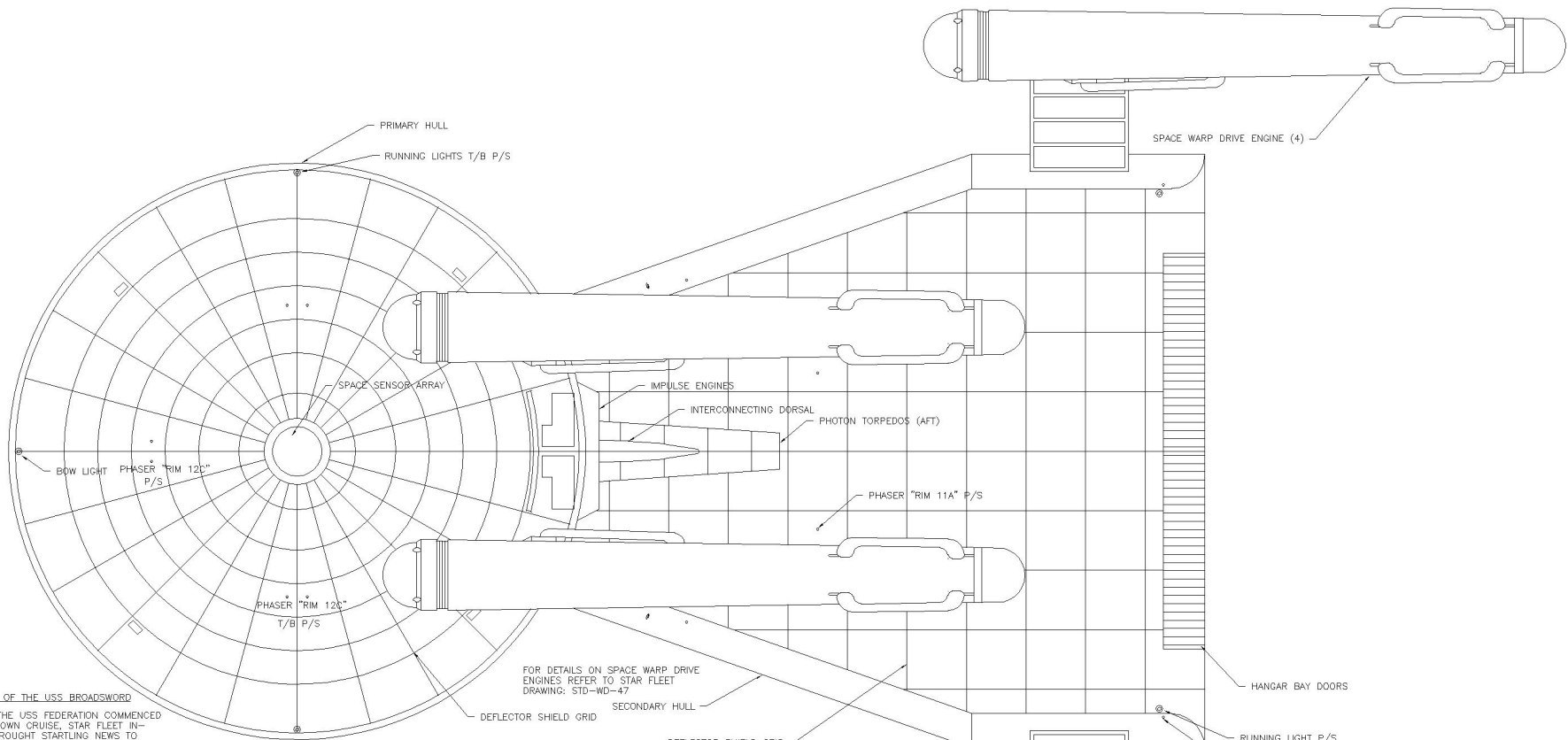
ALL DIMENSIONS ARE IN METRIC SYSTEM OF UNITED NATIONS-EARTH-SOL

FEDERATION CLASSIFIED

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NO.	STARDATE	DESCRIPTION OF REVISION	BY	CR'D

COMPUTER REF. NO.	VIEW:	OUTBOARD PORT	APPROVED BY:
MK105-01	DESIGN BY:	STARTEC INDUSTRIES	SCALE: 1:500
TECHNICAL ORDER NO: 20:01:00	DRAWN BY:	B GUIGNARD	PAGE: 1 OF
TECHNICAL MANUAL NO: 350110	CHECKED BY:		DRAWING NO:
AUTHENTICATED STARDATE: 6067.05	REVIEWED BY:		REV.
RELEASED STARDATE:			SS-2160/01



HISTORY OF THE USS BROADSWORD

WHEN THE USS FEDERATION COMMENCED HER SHAKE DOWN CRUISE, STAR FLEET INTELLIGENCE BROUGHT STARTLING NEWS TO STAR FLEET COMMAND, AND THE FEDERATION COUNCIL. REPORTS SHOWING INCREASED ACTIVITY AT KLINGON SHIPYARDS, AND REFERENCES TO A GREAT SHIP BEING BUILT. INTELLIGENCE BELIEVED THAT THE SHIP THE KLINGONS WERE DEVELOPING WAS A SPACE CONTROL SHIP OR BATTLESHIP.

NOT TO BE LEFT BEHIND, STAR FLEET ISSUED ORDERS FOR PLANS FOR A BATTLESHIP THAT COULD BE BUILT WITH THE LEAST AMOUNT OF TIME. THEREFORE WHEN REPORTS WERE CONFIRMED, THE SAN FRANCISCO SHIPYARDS WOULD BE READY TO BEGIN CONSTRUCTION.

MANY DESIGNS WERE REVIEWED, BUT IT FINALLY CAME DOWN TO THE DESIGN PRESENTED HERE, FOR THE FOLLOWING REASONS:

- 1: CONSTRUCTION TIME WOULD BE REDUCED, SINCE THE BROADSWORD USED A DREADNOUGHT PRIMARY HULL WITH CERTAIN MODIFICATIONS IT WAS FELT THAT TIME WOULD BE SAVED.
- 2: SINCE NO COMPLICATED RETOOLING OF PARTS WOULD HAVE TO BE DONE, AND THUS SAVE A YEARS CONSTRUCTION TIME AT THE SHIPYARDS, ALL OTHER BATTLESHIP DESIGNS WOULD HAVE HAD TO BE CONSTRUCTED FROM SCRATCH AND WOULD HAVE TAKEN TOO MUCH TIME IN THE EYES OF STAR FLEET.

- 2: IT WOULD BE A COMBINATION OF OLD AND NEW TECHNOLOGY. AT THE TIME THE DESIGNS FOR THE LINEAR PULSE WARP DRIVE ENGINES WERE BEING SUCCESSFULLY TESTED, BUT STAR FLEET WISHED TO REMAIN FOR THE TIME BEING WITH THE OLDER CIRCUMFERENTIAL WARP DRIVE ENGINES DUE TO ITS RELIABILITY AND AVAILABILITY OF PARTS. STATE OF THE FIRE CONTROL, COMPUTERS, AND WEAPONS SYSTEMS ALONG WITH CERTAIN MODIFICATIONS THAT WOULD LATER GO ABOARD THE UPRATED ENTERPRISE WERE DESIGNED INTO THIS SHIP, ALONG WITH PROTOTYPE MEGAPHASER CANNONS THAT WOULD LATER BE USED ABOARD THE AVENGER CLASS CLASS STARSHIPS, TO GIVE THIS BATTLESHIP DEVASTATING FIRE POWER, AND THE CAPACITY TO HOLD OFF A SMALL FLEET THIS SHIP HAD THE BEST FROM BOTH OLDER AND NEWER TECHNOLOGIES INCORPORATED INTO HER DESIGN.

- 3: THE SHIP WOULD PERFORM MULTIROLE MISSIONS; THE USS BROADSWORD WAS THE ONLY DESIGN TO INCORPORATE NUMEROUS MULTIMISSIION TASKS SUCH AS: COMBAT, EXPLORATION, HOSPITAL /RESCUE, FLEET SUPPORT & REPAIR, CARRIER BASE OPERATIONS, AND FLEET OPERATIONS. THE

BROADSWORD SHOWED THE BEST OVERALL MULTI-MISSION PROFILE WHEREAS OTHER DESIGNS SHOWED WEAKNESSES IN SAID MULTIMISSIION PROFILES. THIS SUITED STAR FLEET COMMAND'S REQUIREMENTS THAT MOST OF THEIR CAPITAL SHIPS SHOULD BE CAPABLE OF PERFORMING DIFFERENT ROLES SUCH AS THE NEED AROSE.

- 4: BUDGET COSTS WOULD BE CUT. SINCE THE PRIMARY HULL WAS TO COME FROM A DREADNOUGHT THAT WAS ALREADY CONSTRUCTED, AND NEEDED A FEW MODIFICATIONS, STAR FLEET SAW A WAY TO SAVE A BILLION OR SO CREDITS IN THE DEFENCE BUDGET, SINCE THE RETOOLING OF FACTORIES AND SHIPYARDS TO CONSTRUCT A SHIP FROM SCRATCH WOULD HAVE BEEN ENORMOUS. OTHER SAVINGS WOULD ALSO BE FOUND IN THE UTILIZATION OF KNOWN TECHNOLOGY THAT HAD BEEN PROVEN ON THE CONSTITUTION CLASS STARSHIPS, WHILE OTHER DESIGNS REVIEWED RELIED HEAVILY ON NEW UNPROVEN AND EXPENSIVE TECHNOLOGY THAT WAS EITHER ON THE ENGINEERING SYSTEM, OR IN TESTING STAGES.

BUT ALAS WHEN CONFIRMATION OF THE INTELLIGENCE REPORTS DID ARRIVE THE KLINGON SHIP IN QUESTION WAS SHOWN TO HAVE THE CAPACITY, AND FIRE POWER THAT EQUALED A

DREADNOUGHT. THIS RESULTED THAT THE BROADSWORD CLASS BATTLESHIP WOULD BE SCRAPPED, YET BEFORE THE ORDERS WERE VOTED ON BY THE JOINT CHIEFS OF STAR FLEET TO SCRAP THIS GRAND EXPERIMENT, THE THEN ADMIRAL OF STAR FLEET HAD THIS TO SAY "GENTLEMEN I HIGHLY RECOMMEND THAT STAR FLEET NOT CONSTRUCT THIS VESSEL AT THIS TIME, I KNOW THAT A VESSEL OF THIS SIZE, AND FIREPOWER HAS NO POSSIBLE UTILITY IN OUR PEACE TIME FLEET, SINCE IT IS A VESSEL OF WAR, YET I HAVE NO DOUBT THAT ONE DAY A VESSEL SUCH AS THIS

ONE MAY BE CONSTRUCTED IN ORDER TO DEFEND OR BRING PEACE IN OUR FEDERATION, I HOPE WHEN THAT DAY COMES, THAT THE ENGINEERS WILL REVIEW THE IDEAS PRESENTED ON THESE PAGES FOR THIS STARSHIP AND INCORPORATE THEM ON THAT FUTURE VESSEL." SO ENDED THE DESIGN FOR STAR FLEET'S AND THE FEDERATION'S FIRST BATTLESHIP.

FOR DETAILS ON SPACE WARP DRIVE ENGINES REFER TO STAR FLEET DRAWING: STD-WD-47



UNITED FEDERATION OF PLANETS STARFLEET ENGINEERING DIVISION BUREAU OF OPERATIONS - OFFICE OF RECORDS			
GENERAL PLANS		SPACECRAFT CLASS: CLASS ONE STARSHIP OF THE LINE	
MODEL: MK-XV	TYPE: BATTLESHIP	NOMINAL CLASS: BROADSWORD	GENERATED BY: MASTERROOM SHQ
SHIP NAME: BROADSWORD	NCC-NUMBER: 2160		

ALL DIMENSIONS ARE IN METRIC SYSTEM OF UNITED NATIONS-EARTH-SOL			
FEDERATION CLASSIFIED			
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COMPUTER REF. NO.: MK105-02	VIEW: OUTBOARD TOP	APPROVED BY:
TECHNICAL ORDER NO.: 20:01:01	DESIGN BY: STARTEC INDUSTRIES	SCALE: 1:500
TECHNICAL MANUAL NO.: 390110	DRAWN BY: B. QUIGNARD	PAGE: 2 OF
AUTHENTICATED STARDATE: 6067.05	CHECKED BY:	DRAWING NO: REV.
RELEASED STARDATE:	REVIEWED BY:	SS-2160/02

SHIP'S DIVISIONS INSIGNIA



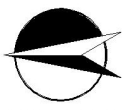
COMMAND DIVISION



SCIENCE DIVISION

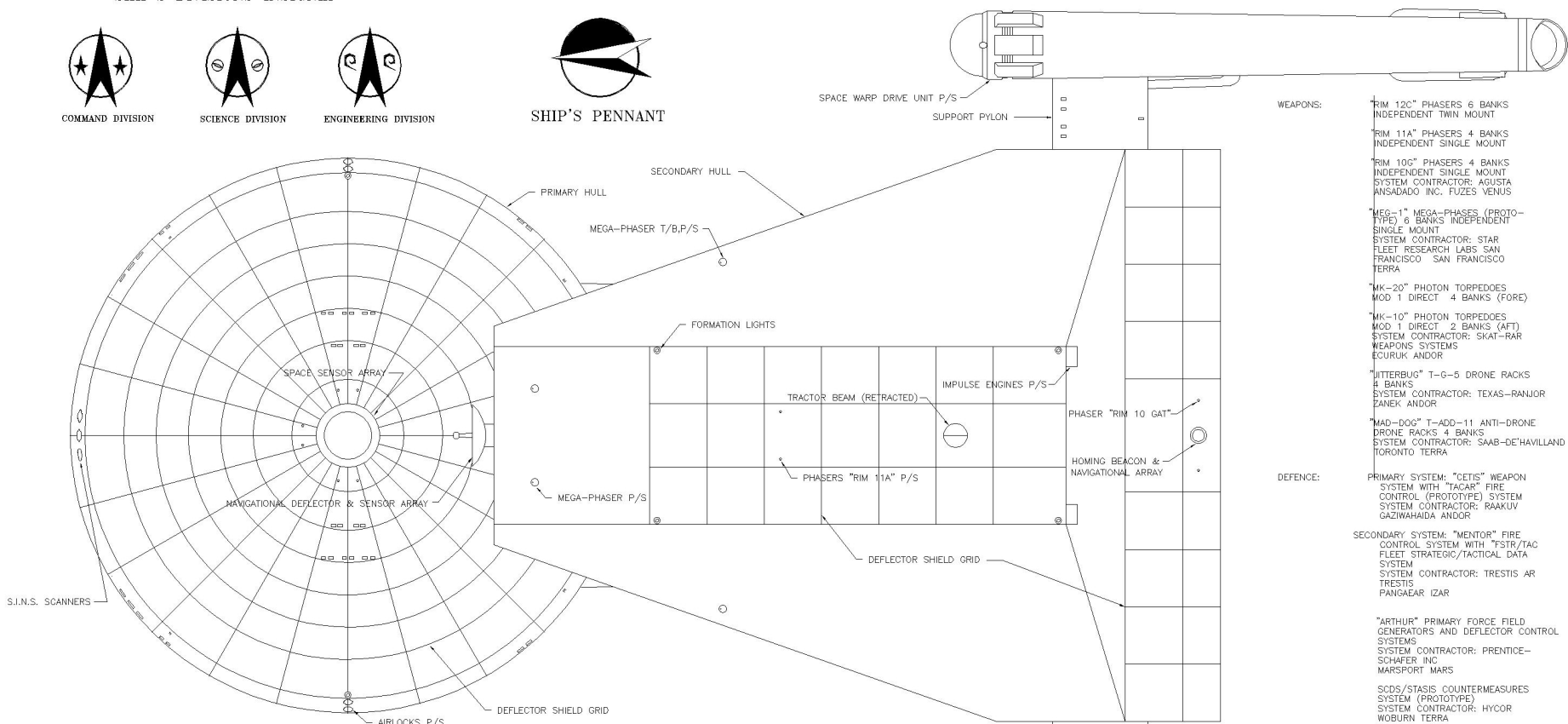


ENGINEERING DIVISION



SHIP'S PENNANT

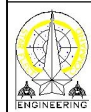
FOR DETAILS ON SPACE WARP DRIVE ENGINES REFER TO STAR FLEET DRAWING STD-WD-47



SYSTEMS USS BROADSWORD

- NAVIGATION:** "STAR-NAV" WARP CELESTIAL GUIDANCE SYSTEM CONTRACTOR: GRUMMAN-DOUGLAS TEXAS EARTH
- COMPUTERS:** "DAYSTROM" DUOTRONIC III SYSTEM CONTRACTOR: DAYSTROM COMPUTER SYSTEMS INC. LUNA-PORT LUNA
- TRANSPORT:** "TRANSMODE" TRANSPORTER SYSTEMS SYSTEM CONTRACTOR: COMTEO ELECTRONICS LONDON TERRA
- SHUTTLE CRAFT:** VARIOUS PLEASE REFER TO SPECIFIC SHUTTLE CRAFT TYPE
- PROPULSION:** (4) PB-47 MOD-3 SW46/S-3KT DILUTHIUM ENERGIZED ANTIMATTER CIRCUMFERENTIAL WARP DRIVE UNITS SYSTEM CONTRACTOR: COCHRANE WARP DYNAMICS MINOS AL RUIIL ALPHA CENTAURI VII
- (2) SBA MOD IP 190 E/4-1R SUBATOMIC UNIFIED ENERGY IMPULSE UNITS
- (2) SBA MOD IP 170 E/3-1R SUBATOMIC UNIFIED ENERGY IMPULSE UNITS SYSTEM CONTRACTOR: SCARBAK PROPULSION SYSTEMS CAIRO TERRA
- "ARKANJA" CHEMICAL COMBUSTION REACTION CONTROL SYSTEM SYSTEM CONTRACTOR: ORAGEJEK AKSAJAK ANDOR
- LIFE SUPPORT:** QT-3/CENTRIS ARTIFICIAL GRAVITY GENERATORS & "ESCUDO" RADIATION SHIELDING SYSTEM CONTRACTOR: CRISTOBAL SM/S MANILA TERRA
- "AMBRIX" WASTE REGENERATION SYSTEMS SYSTEM CONTRACTOR: JULLUNDUR - LAHORE LTD BOMBAY TERRA
- "COMPU-COOK" FOOD PROCESSORS SYSTEM CONTRACTOR: GE ELECTRONICS LTD LOS ANGELES TERRA
- TURBO-ELEVATORS: "TH-EV-7" TURBO-ELEVATORS SYSTEM CONTRACTOR: OTIS/TAGAR MERIDIAN DENEBA

- WEAPONS:**
 - "RIM 120" PHASERS 6 BANKS INDEPENDENT TWIN MOUNT
 - "RIM 11A" PHASERS 4 BANKS INDEPENDENT SINGLE MOUNT
 - "RIM 100" PHASERS 4 BANKS INDEPENDENT SINGLE MOUNT SYSTEM CONTRACTOR: AGUSTA ANSADADO INC. FUZES VENUS
 - "MEG-1" MEGA-PHASES (PROTOTYPE) 6 BANKS INDEPENDENT SINGLE MOUNT SYSTEM CONTRACTOR: STAR FLEET RESEARCH LABS SAN FRANCISCO SAN FRANCISCO TERRA
 - "MK-20" PHOTON TORPEDES MOD 1 DIRECT 4 BANKS (FORE)
 - "MK-10" PHOTON TORPEDES MOD 1 DIRECT 2 BANKS (AFT) SYSTEM CONTRACTOR: SKAT-RAR WEAPONS SYSTEMS ECURUK ANDOR
 - "LITTERBUG" T-G-5 DRONE RACKS 4 BANKS SYSTEM CONTRACTOR: TEXAS-RANJOR ZANEK ANDOR
 - "MAD-DOG" T-ADD-11 ANTI-DRONE DRONE RACKS 4 BANKS SYSTEM CONTRACTOR: SAAB-DE'HAVILLAND TORONTO TERRA
- DEFENCE:**
 - PRIMARY SYSTEM: "OETIS" WEAPON SYSTEM WITH "TACAR" FIRE CONTROL (PROTOTYPE) SYSTEM SYSTEM CONTRACTOR: RAAKUV GAZIWAHIDA ANDOR
 - SECONDARY SYSTEM: "MENTOR" FIRE CONTROL SYSTEM WITH "FSTR/TACT" FLEET STRATEGIC/TACTICAL DATA SYSTEM SYSTEM CONTRACTOR: TRESTIS AR TRESTIS PANGAEAR IZAR
 - "ARTHUR" PRIMARY FORCE FIELD GENERATORS AND DEFLECTOR CONTROL SYSTEMS SYSTEM CONTRACTOR: PRENTICE-SCHAFER INC MARS/PORT MARS
 - SCDS/STASIS COUNTERMEASURES SYSTEM (PROTOTYPE) SYSTEM CONTRACTOR: HYCOR WOBURN TERRA
- RECREATION:**
 - "FIT RIGHT" EXERCISE EQUIPMENT SYSTEM CONTRACTOR: TLC DEVELOPMENT PERTH TERRA
 - "NU-PRAX" HOLOGRAPHIC GAMES SYSTEM CONTRACTOR: VECTOR/TAMBRIS JAMIL DENEVA
- COMMUNICATIONS:**
 - "TAC-COM" SUBSPACE RADIOS
 - "KS-1134" COMMUNICATIONS BOUYS
 - "KS-1225" LOG BOUYS
 - "CHEETA" MESSAGE SOURITS SYSTEMS CONTRACTOR: MARCONI/DASRAH JANIS DENEVA
- FLIGHT SIMULATORS:**
 - "VERI-FLIGHT" SIMULATORS SYSTEM CONTRACTOR: BOEING/TELLERAX GEEGHAR TELLAR



UNITED FEDERATION OF PLANETS STARFLEET ENGINEERING DIVISION BUREAU OF OPERATIONS - OFFICE OF RECORDS			
GENERAL PLANS		SPACECRAFT CLASS: STARSHIP OF THE LINE	
MODEL: MK-X.V	TYPE: BATTLESHIP	NOMINAL CLASS: BROADSWORD	CLASS ONE: BROADSWORD
SHIP NAME: BROADSWORD	NCC-NUMBER: 2160	GENERATED BY: MASTERCOM SFHQ	

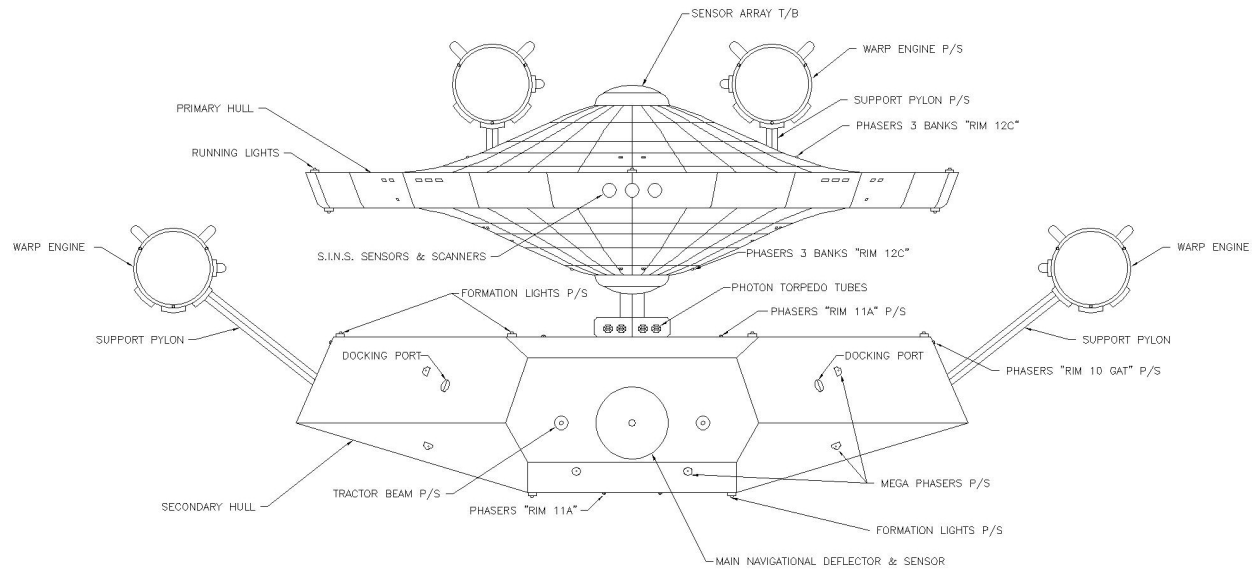
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COMPUTER REF. NO. MK105-03	VIEW: OUTBOARD BOTTOM	APPROVED BY:
TECHNICAL ORDER NO. 20:01:02	DESIGN BY: STAR-TEC INDUSTRIES	SCALE: 1:500
TECHNICAL MANUAL NO. 390110	DRAWN BY: B GUIGNARD	PAGE: 3 OF
AUTHENTICATED STARDATE: 6067.05	CHECKED BY:	DRAWING NO:
RELEASED STARDATE:	REVIEWED BY:	REV. SS-2160/03



SHIP'S COMPLEMENT

FLEET COMMAND STAFF:	NO. PERSONS	RANK:
FLEET COMMANDER:	1	RADM.
FLEET TACTICAL OFFICER:	1	CMDR.
FLEET COMMUNICATIONS OFFICER:	1	LT. CMDR.
FLEET ORDNANCE OFFICER:	1	LT. CMDR.
FLEET INTELLIGENCE OFFICER:	1	LT. CMDR.
FLEET LOGISTICS OFFICER:	1	LT. CMDR.
FLEET ADMINISTRATION OFFICER:	1	LT. CMDR.
ADMIRAL'S AIDES	3	LT. SENIOR
TOTAL OFFICERS:	10	
TOTAL CREW:	0	
TOTAL:	10	
COMMAND STAFF:	NO. PERSONS	RANK:
COMMANDING OFFICER:	1	CAPTAIN
EXECUTIVE OFFICER:	1	CMDR.
CHIEF HELMSMAN:	1	LT. CMDR.
HELMSMAN:	8	LT.
CHIEF NAVIGATOR:	1	LT. CMDR.
NAVIGATOR:	8	ENS.
CHIEF ORDNANCE OFFICER:	1	LT. CMDR.
ORDNANCE OFFICER:	4	LT.
ORDNANCE SPECIALIST:	52	ENS.
RECORDS OFFICER:	1	LT. CMDR.
RECORDS SPECIALIST:	9	ENS.
ACCOUNTS OFFICER:	1	LT. CMDR.
ACCOUNTS SPECIALIST:	4	ENS.
YEOMAN:	8	ENS.
TOTAL OFFICERS:	23	
TOTAL CREW:	77	
TOTAL:	100	

SCIENCE STAFF:	NO. PERSONS	RANK:
CHIEF SCIENCE OFFICER:	1	LT. CMDR.
ASST. SCIENCE OFFICER:	1	LT.
SCIENTISTS:	34	ENS.
LAB SPECIALISTS:	120	ENS.
CHIEF SURGEON:	1	LT. CMDR.
DOCTORS:	10	LT.
SENIOR NURSE:	1	LT.
NURSES:	50	ENS.
MEDICAL SPECIALISTS:	80	ENS.
RECREATION OFFICER:	1	LT.
RECREATION SPECIALISTS:	4	ENS.
YEOMAN:	1	ENS.
TOTAL OFFICERS:	15	
TOTAL CREW:	298	
TOTAL:	313	

ENGINEERING & OTHER STAFF:	NO. PERSONS	RANK:
CHIEF ENGINEER:	1	LT. CMDR.
ASST. CHIEF ENGINEER:	1	LT.
ENGINEERING OFFICER:	10	ENS.
ENGINEERING SPECIALIST:	220	ENS.
TRANSPORTER SPECIALIST:	50	ENS.
CHIEF OF COMMUNICATIONS:	1	LT. CMDR.
COMMUNICATIONS OFFICER:	10	LT.
COMMUNICATIONS SPECIALIST:	30	ENS.
CHIEF FLIGHT DECK OFFICER:	1	LT. CMDR.
FLIGHT DECK OFFICER:	3	LT.
FLIGHT DECK SPECIALIST:	15	ENS.
FLIGHT OPERATIONS OFFICER:	1	LT. CMDR.
FLIGHT OPERATIONS SPECIALIST:	4	ENS.
SHUTTLE CRAFT PILOT:	28	LT.
CHIEF OF SECURITY:	1	LT. CMDR.
SECURITY OFFICER:	8	LT.
SECURITY SPECIALIST:	168	ENS.
SHIP HISTORIAN:	1	ENS.
SHIP LIBRARIAN:	1	ENS.
PERSONNEL OFFICER:	1	ENS.
PERSONNEL SPECIALIST:	4	ENS.
YEOMAN:	44	ENS.
TOTAL OFFICERS:	65	
TOTAL CREW:	538	
TOTAL:	603	

NOTES

THE STANDARD SHIP'S COMPLEMENT IS 113 OFFICERS AND 913 CREW TOTAL 1026

STANDARD COMPLEMENT FOR THE PRIMARY HULL WHEN OPERATING INDEPENDENTLY IS 25 OFFICERS AND 200 CREW TOTAL 225

STANDARD COMPLEMENT FOR THE SECONDARY HULL WHEN OPERATING INDEPENDENTLY IS 45 OFFICERS AND 400 CREW TOTAL 445

IN EVERY CASE MINIMUM GRADES ARE SHOWN FOR EACH BILLET. INDIVIDUAL SHIPS MAY VARY BY REASON OF INDIVIDUAL MODIFICATION.

FOR DETAILS ON SPACE WARP DRIVE ENGINES REFER TO STAR FLEET DRAWING STD-WD-47

RANK ABBREVIATIONS

RADM REAR ADMIRAL
CAPT CAPTAIN
CMDR COMMANDER
LT CMDR LIEUTENANT COMMANDER
LT LIEUTENANT
ENS. ENSIGN



UNITED FEDERATION OF PLANETS STARFLEET ENGINEERING DIVISION BUREAU OF OPERATIONS - OFFICE OF RECORDS			
GENERAL PLANS		SPACECRAFT CLASS: CLASS ONE STARSHIP OF THE LINE	
MODEL: MK-X.V	TYPE: BATTLESHIP	NOMINAL CLASS: BROADSWORD	
SHIP NAME: BROADSWORD	NCC-NUMBER: 2180	GENERATED BY: MASTERCORE SFHQ	

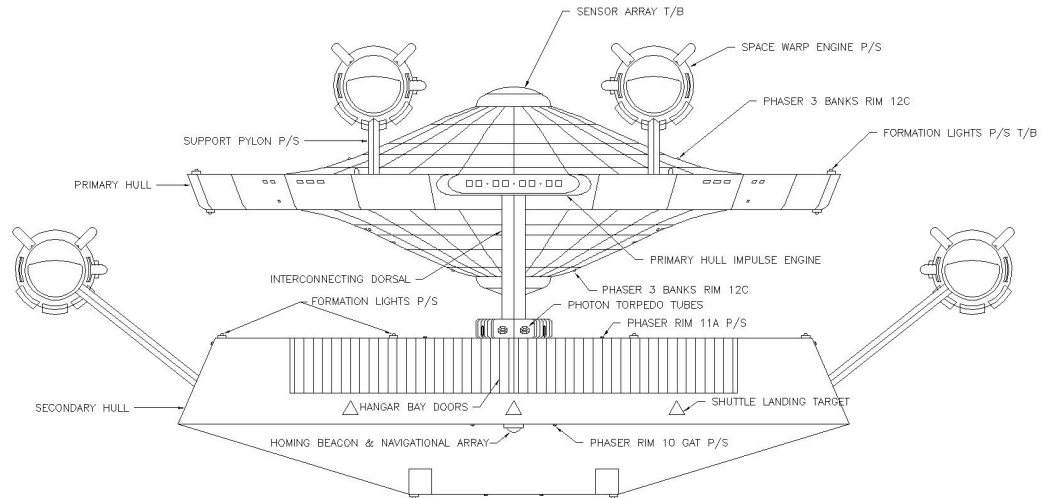
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COMPUTER REF. NO: MK105-04	VIEW: OUTBOARD BOW	APPROVED BY:
TECHNICAL ORDER NO: 20-01-03	DESIGN BY: STARTEC INDUSTRIES	SCALE: 1:500
TECHNICAL MANUAL NO: 380110	DRAWN BY: B. GUIGNARD	PAGE: 4 OF
AUTHENTICATED STARDATE: 6067.05	CHECKED BY:	DRAWING NO: SS-2160/04
RELEASED STARDATE:	REVIEWED BY:	REV.



GENERAL NOTES:

- 1 THESE PLANS ARE FOR PROPOSAL AND FAMILIARIZATION PURPOSES ONLY, AND SHOULD NOT BE CONFUSED WITH FINAL, AND DETAIL WORKING DRAWINGS FOR THIS STARSHIP CLASS.
- 2 THE BATTLESHIP STARSHIP TYPE WILL BE USED TO COMPLEMENT STAR FLEET MAIN ELEMENTS. ITS PURPOSE TO ENTER A HOSTILE, OR UNEXPLORED SECTOR OF SPACE, AND ACT AS A MOBILE BASE OR FLEET COMMAND CENTER UNTIL A PERMANENT BASE IS CONSTRUCTED OR THE SITUATION REQUIRING SUCH A CRAFT HAS BEEN RESOLVED. FOR THIS REASON THE SHIP'S LABORATORIES, HOSPITAL, COMMAND AND CONTROL, REPAIR, CARGO, WEAPONS AND DEFENCE CENTERS HAVE BEEN AUGMENTED SO THE SHIP MAY PERFORM MULTITASK TASKS AS WELL AS BEING ON LONG DURATION MISSIONS.
- 3 EXCEPT WHEN BERTHED, A STARSHIP IS COMPLETELY MANNED AT ALL TIMES. FOR THIS PURPOSE THE SHIP'S COMPLEMENT IS DIVIDED INTO 3 WATCHES. NORMAL DUTY IS 8 HOURS ON WATCH AND 16 HOURS OFF DUTY. ON YELLOW ALERT THE SECOND WATCH IS ACTIVATED, AND ON RED ALERT ALL WATCHES MAN BATTLE STATIONS.

- 4 THE PRIMARY HULL IS SEPARABLE FROM THE SECONDARY HULL. WHEN SEPARATED EACH UNIT IS CAPABLE OF INDEPENDENT OPERATION. WHEN THE PRIMARY HULL IS EMPLOYED AS A SPACE LIFEBOAT IT IS CAPABLE OF SUPPORTING THE ENTIRE SHIP'S COMPLEMENT. THE SECONDARY HULL IF USED AS A SPACE LIFEBOAT CAN ALSO HANDLE THE ENTIRE SHIP'S COMPLEMENT UNDER EMERGENCY CONDITIONS.
- 5 THE BATTLESHIP TYPE STARSHIP HAS PERMANENT STATEROOMS WHICH WILL ACCOMMODATE 1159 PERSONS. THIS PERMITS IT TO NORMALLY CARRY 148 SUPER CARGO IN ADDITION TO THE STANDARD SHIP'S COMPLEMENT.
- 6 THERE IS A TURBO-ELEVATOR CAR FOR EVERY ELEVATOR STATION. WHEN A CAR LEAVES A PARTICULAR STATION THE COMPUTER REPLACES THE VACANCY WITH THE CAR FROM ITS DESTINATION.
- 7 ALL DECKS ARE ACCESSIBLE BY TURBO-ELEVATOR CARS AND GANGWAYS. ALL SENSITIVE AND INHABITED AREAS HAVE SECONDARY MEANS OF ACCESS AND EXIT.
- 8 ALL DECKS HAVE BUILT IN GRAVITY, ANTI-ACCELERATION, AND ANTI-RADIATION FORCE-FIELDS. THESE ARE INDIVIDUALLY BUILT INTO EACH TURBO-ELEVATOR CAR.

- 9 ENVIRONMENTAL SUITS ARE MADE IN THREE SIZES: SMALL, MEDIUM, AND LARGE, AND ARE CAPABLE OF REASONABLE ADJUSTMENT. THEY ARE BULK STORED IN VARIOUS STRATEGIC LOCATIONS THROUGH OUT THE SHIP.
- 10 DECKS: 5,6,11 AND 18 AIRLOCKS HAVE LOCKERS EQUIPPED WITH ENVIRONMENTAL/SPACESUITS IN SMALL, MEDIUM, AND LARGE.
- 11 THE AFT SENSOR UNITS ON DECK 7 ARE PRIMARILY USED WHEN THE PRIMARY HULL IS DETACHED FROM THE SECONDARY HULL.
- 12 ONLY ITEMS THAT ARE TEMPORARILY OUT OF USE ARE STORED, OTHERWISE THEY ARE RECONVERTED BACK INTO THEIR BASIC ELEMENTS FOR RE-USE AS NEW RAW MATERIALS.
- 13 CARGO AND EQUIPMENT IS HANDLED ABOARD SHIP USING ANTIGRAVITY UNITS WHICH ARE STORED IN VARIOUS SIZES IN CONVENIENT LOCATIONS.
- 14 THE DEFLECTOR AND IMPULSE POWER BOOSTER UNITS ARE DESIGNED TO AUGMENT THE STANDARD SYSTEMS IN TIMES OF EMERGENCY. THE CONSTANT USE OF EITHER BOOSTERS FOR EXTENDED PERIODS CAN RESULT IN DAMAGE TO THE DILITHIUM CRYSTALS.

- 15 STATEROOM ARRANGEMENT REMOVES SEX AS A FACTOR IN ASSIGNING CREW MEMBERS TO QUARTERS WITHOUT VIOLATING FEDERATION STANDARDS FOR MORALITY AND DECORUM.
- 16 ON VOYAGES OF EXTENDED DURATION ALL CREW MEMBERS HAVE FREE CHOICE IN FURNISHING AND DECORATING THEIR QUARTERS.
- 17 THE LARGEST NUMBER BLOCK OF SHOWERS IN THE PILOT'S CHANGING ROOM IS ASSIGNED TO THE GREATEST NUMBER OF PILOTS OF THE SAME SEX.
- 18 WITH THE ADVANCES IN LOW POWER TRANSPORTER TECHNOLOGY OLD FASHION CONVEYORS HAVE BEEN REPLACED WITH SMALL INNER SHIP TRANSPORTERS TO ALL LOUNGES, MESSROOMS, WORK AREAS, AND CREWMEN'S QUARTERS FOR THE TRANSPORTATION OF MEALS AND SMALL OBJECTS.
- 19 THE BRIDGE, FLAG BRIDGE, SECONDARY HULL BRIDGE, EMERGENCY BRIDGE, AND FLEET OPERATIONS CENTER ARE EQUIPPED WITH SEATS THAT HAVE MOTION RESTRAINT ARMRESTS. OTHER CRITICAL DUTY AREAS ABOARD THE VESSEL ARE EQUIPPED WITH SIMILAR SEATS.

- 20 FIGHTER SHUTTLE COMPLEMENT MAY VARY DUE TO THE TYPE OF FIGHTER SHUTTLE BEING USED, AND WHETHER THE STATED MISSION HAD NEED OF MORE OR LESS FIGHTER SHUTTLES.
- 21 REFER TO STANDARD DRAWING SCHEDULES SC-1-MK X.Y FOR CONSTRUCTION DRAWINGS.
- 22 REFER TO STAR FLEET TECHNICAL MANUAL NO: NO-380110 FOR OPERATING DETAILS, PROCEDURES, AND UPDATES.
- 23 STAR FLEET DESIGN BUREAU NOW NOTIFIES THAT A TOTAL UPDATING OF FLEET EQUIPMENT AND STANDARDS IS BEING PREPARED. STARSHIPS CONSTRUCTED AFTER STARDATE 7121 WILL INCORPORATE THE NEW EQUIPMENT AND STANDARDS EXISTING SHIPS WILL BE REFITTED.
- 24 REFER ALL QUESTIONS CONCERNING VARIATIONS DUE TO INDIVIDUAL SHIP MODIFICATIONS TO: COMMANDING OFFICER STAR FLEET MODIFICATION FACILITY STARBASE 2-0 MARK 133.34.40-R6PC UNITED FEDERATION OF PLANETS



UNITED FEDERATION OF PLANETS STARFLEET ENGINEERING DIVISION BUREAU OF OPERATIONS - OFFICE OF RECORDS			
GENERAL PLANS		SPACECRAFT CLASS: CLASS ONE STARSHIP OF THE LINE	
MODEL: MK-10.5	TYPE: BATTLESHIP	NOMINAL CLASS: BROADSWORD	
SHIP NAME: BROADSWORD	NCC-NUMBER: 2160	GENERATED BY: MASTERCOM SFHQ	

ALL DIMENSIONS ARE IN METRIC SYSTEM OF UNITED NATIONS-EARTH-SOL

FEDERATION CLASSIFIED

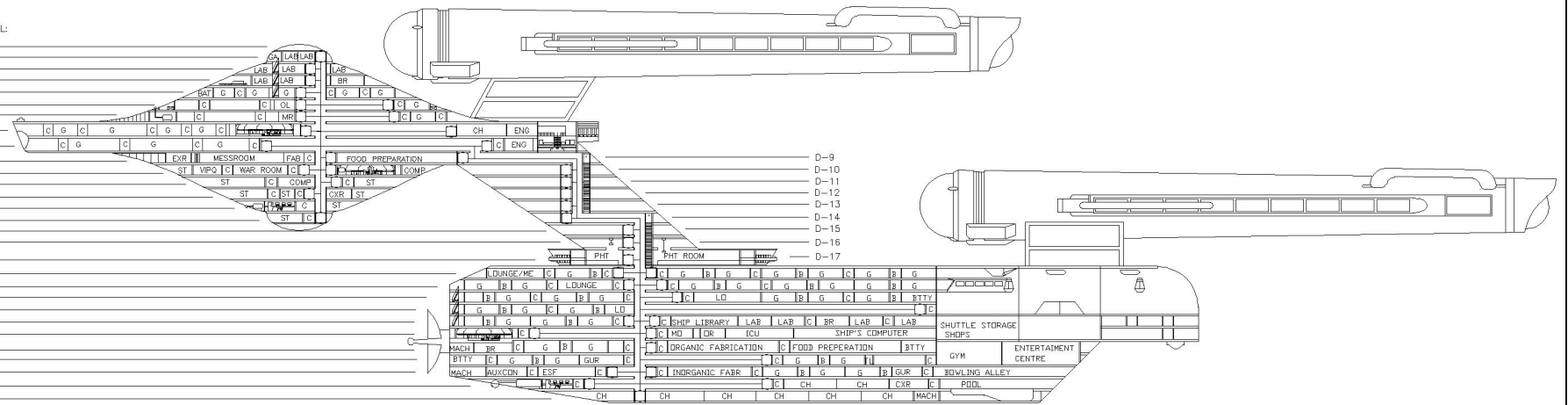
THESE PLANS ARE FOR THE SPECIFIC USE OF STARFLEET OFFICERS & PERSONNEL AND CARRIES WITH IT THE RESPONSIBILITY OF SAFE-GUARDING THESE MATERIALS FROM THE EYES AND/OR SCANNERS OF UNAUTHORIZED PERSONNEL. ANY UNAUTHORIZED USE OR REPRODUCTION, IN WHOLE OR IN PART OF THESE PLANS WITHOUT THE WRITTEN CONSENT OF STARFLEET OR ITS PLANETARY AGENTS IS STRICTLY PROHIBITED.

NO.	STARDATE	DESCRIPTION OF REVISION	BY	CR.

COMPUTER REF. NO: MK105-05	VIEW: OUTBOARD AFT	APPROVED BY:
TECHNICAL ORDER NO: 20-01:04	DESIGN BY: STARTEC INDUSTRIES	SCALE: 1:500
TECHNICAL MANUAL NO: 380110	DRAWN BY: B GUIGNARD	PAGE: 5 OF
AUTHENTICATED STARDATE: 6067.05	CHECKED BY:	DRAWING NO: SS-2160/5
RELEASED STARDATE:	REVIEWED BY:	REV.

DECK LEVEL:

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- D-1
- D-2
- D-3
- D-4
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- D-6
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- D-28



UNITED FEDERATION OF PLANETS STARFLEET ENGINEERING DIVISION BUREAU OF OPERATIONS - OFFICE OF RECORDS			
GENERAL PLANS		SPACECRAFT CLASS:	
MODEL:	TYPE:	NOMINAL CLASS:	
SHIP NAME:	NCC-NUMBER:	GENERATED BY:	MASTERCOM SFHQ

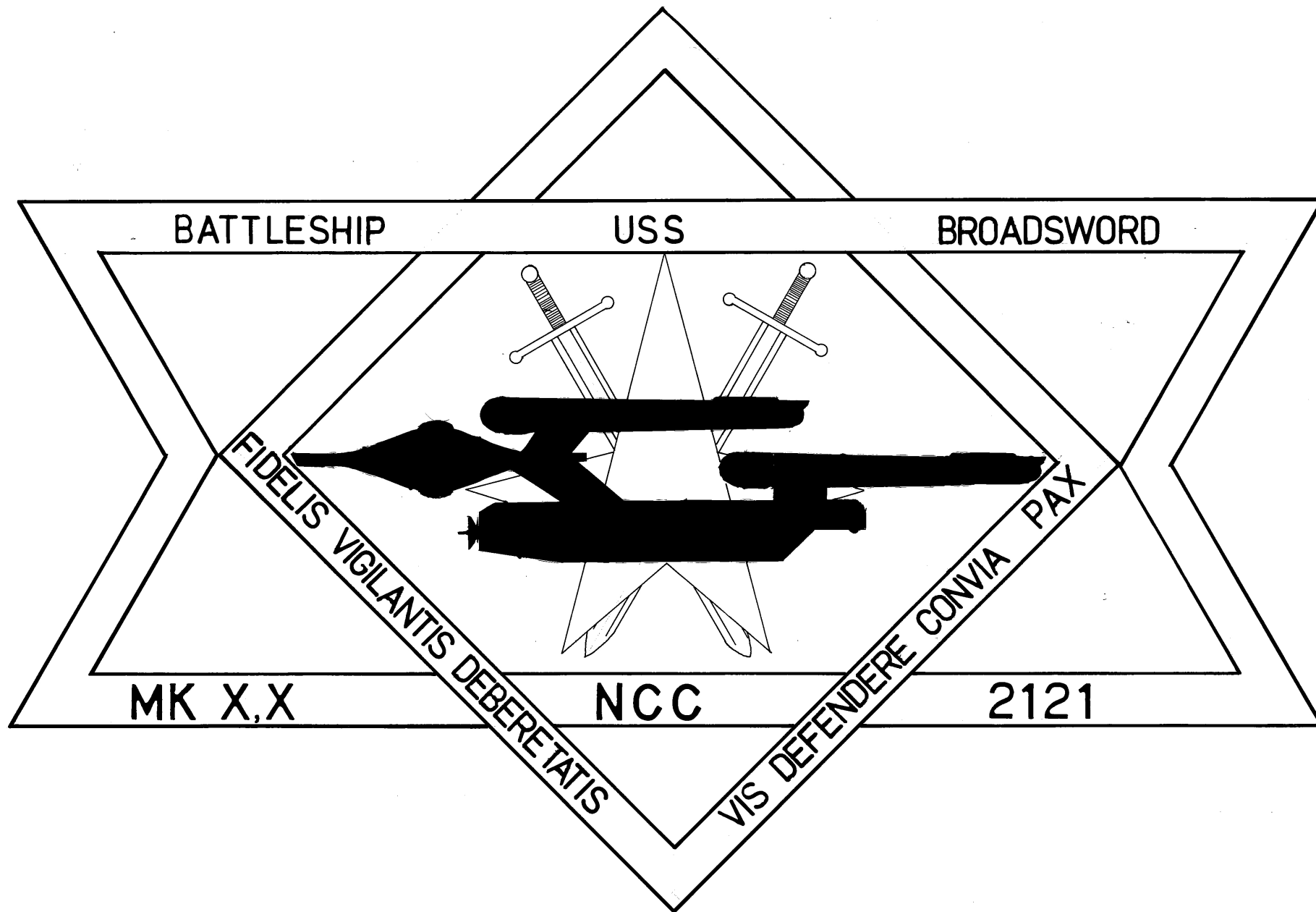
ALL DIMENSIONS ARE IN METRIC SYSTEM OF UNITED NATIONS-EARTH-SOL

FEDERATION CLASSIFIED

THESE PLANS ARE FOR THE SPECIFIC USE OF STARFLEET OFFICERS & PERSONNEL AND CARRIES WITH IT THE RESPONSIBILITY OF SAFE-GUARDING THESE MATERIALS FROM THE EYES AND/OR SCANNERS OF UNAUTHORIZED PERSONNEL. ANY UNAUTHORIZED USE OR REPRODUCTION, IN WHOLE OR IN PART OF THESE PLANS WITHOUT THE WRITTEN CONSENT OF STARFLEET OR ITS PLANETARY AGENTS IS STRICTLY PROHIBITED.

NO.	STARDATE	DESCRIPTION OF REVISION	BY	CR'D

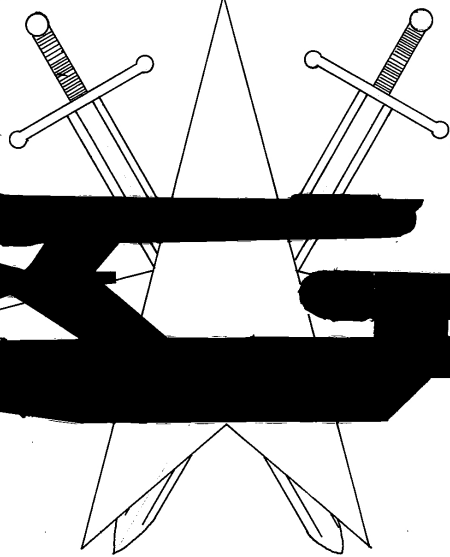
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RELEASED STARDATE:	REVIEWED BY:	REV.



BATTLESHIP

USS

BROADSWORD



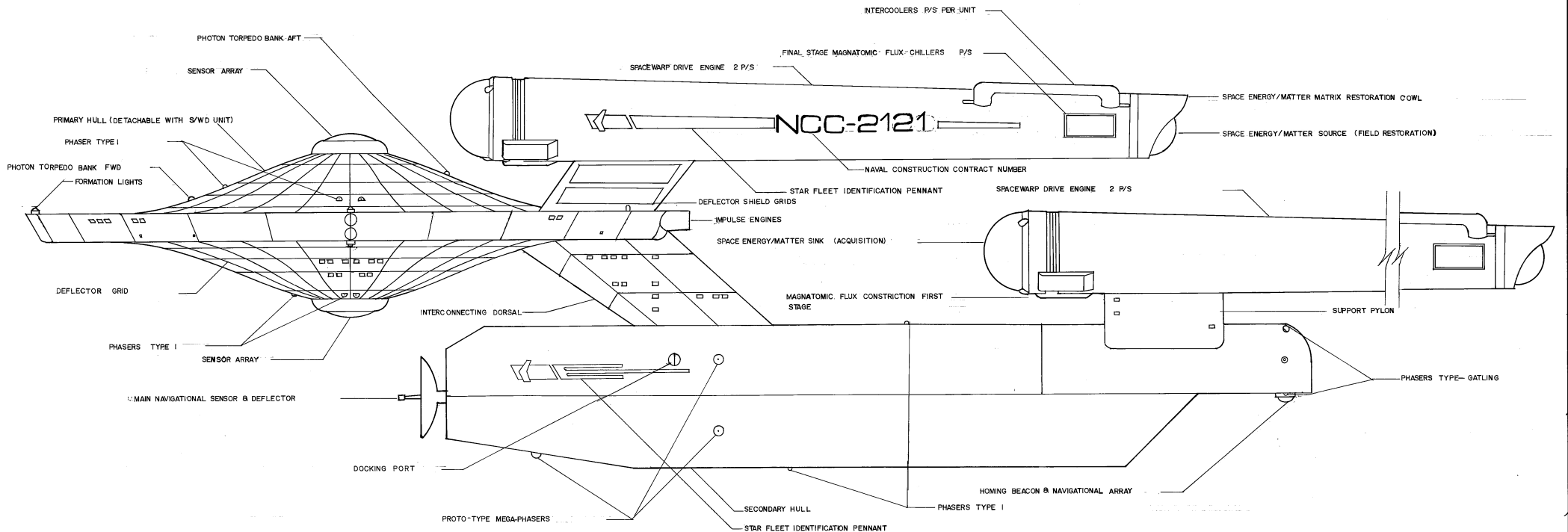
FIDELIS VIGILANTIS DEBERETATIS

VIS DEFENDERE CONVIA PAX

MK X,X

NCC

2121



PROPOSAL PLANS

U.S.S. BROADSWORD CLASS

THE FOLLOWING CLASS OF SHIPS ARE BEING PROPOSED FOR STAR FLEET APPROPRIATION
 STARDATE: 6070

- BACKSWORD - NCC-2130
- BROADSWORD - NCC-2121*
- CLAYMORE - NCC-2123
- CUTLASS - NCC-2128
- KATANA - NCC-2125
- RAPIER - NCC-2122
- SABER - NCC-2126
- SCIMITAR - NCC-2129
- SMALLSWORD - NCC-2124
- WAKIZASHI - NCC-2127

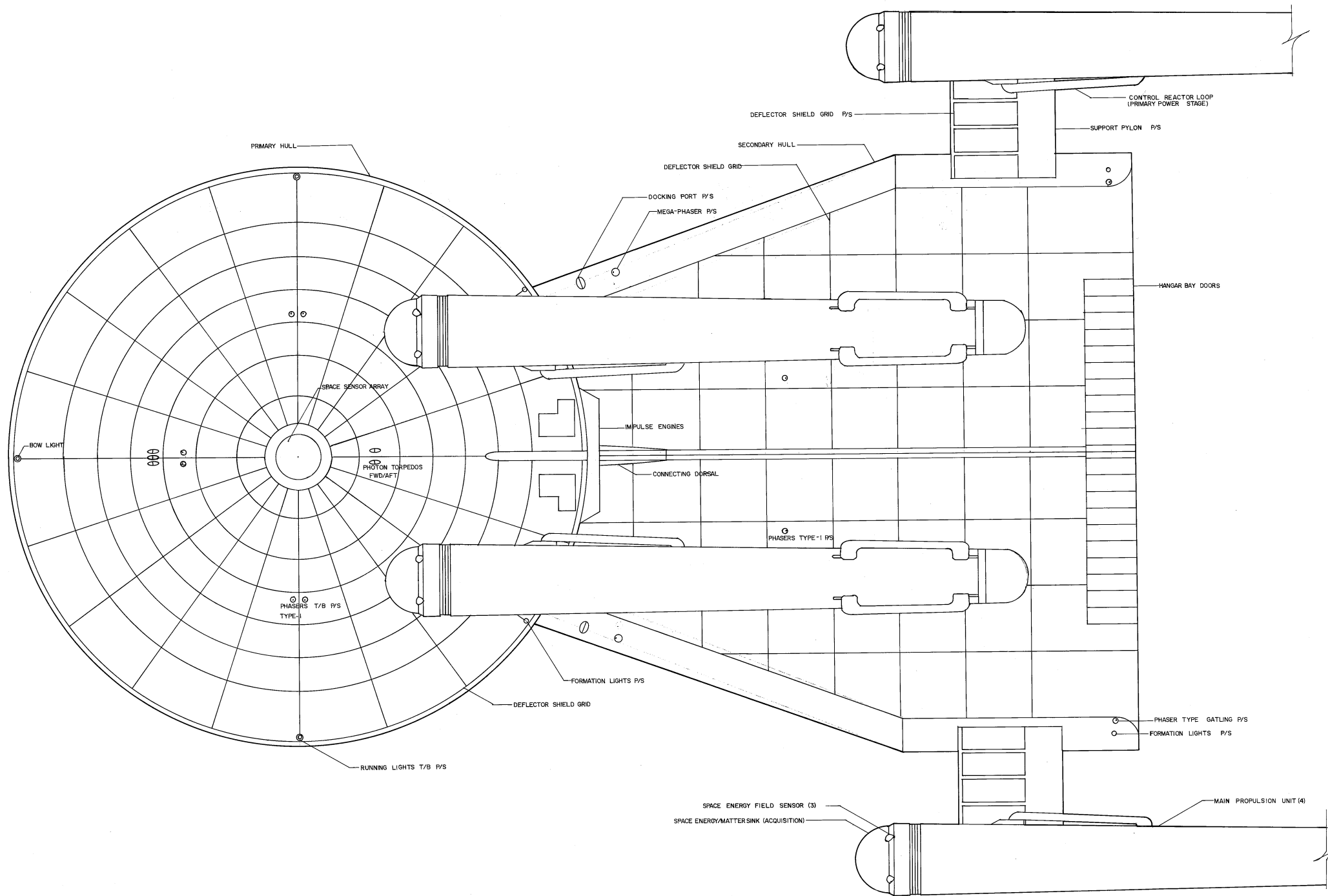
ALL NAMES PRECEDED WITH U.S.S.
 * CLASS SHIP

ESTIMATED COST PER SHIP
 434, BILLION CREDITS.
 COVER PAGE SHOWS SHIP'S
 PERSONAL INSIGNIA,
 LATIN TRANSLATED:
 LOYALTY, VIGILANCE, DUTY, STRENGTH, DEFENCE BRINGS PEACE.

FEDERATION CLASSIFIED:

THE FOLLOWING PLANS ARE FOR SPECIFIC STAR FLEET USE, UNDER THE LAWS OF THE UNITED FEDERATION OF PLANETS, AND ITS MEMBER PLANETS. UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART, WITHOUT THE WRITTEN PERMISSION OF STAR FLEET, OR ITS PLANETARY AGENTS IS PROHIBITED.

STAR FLEET COMMAND			U.F.P.
RESEARCH & DEVELOPMENT		SOL III EARTH - SAN FRANCISCO	
MODEL: MK-X.X	TYPE: BATTLESHIP	CLASS: U.S.S. BROADSWORD	
VIEW: OUTBOARD PORT	SCALE: 2.5:1	ALL DIMENSIONS IN METRIC SYSTEM SOL III EARTH	
STARDATE: 6067	VERIFIED: 6070	APPROVED: FLEET ADM. ROBERT APRIL	
CONSTRUCTED: STARDATE: 6101	COMPLETION: STARDATE: 6427	CONSTRUCTION SITE: STAR FLEET YARDS - SAN FRANCISCO	
RELEASED:	STATUS: CLASSIFIED		
EXECUTED: CAPTAIN BERNARD GUGNARD			SHEET 1 OF 24



PRIMARY HULL

DEFLECTOR SHIELD GRID P/S

CONTROL REACTOR LOOP
(PRIMARY POWER STAGE)

SUPPORT PYLON P/S

SECONDARY HULL

DEFLECTOR SHIELD GRID

DOCKING PORT P/S

MEGA-PHASER P/S

HANGAR BAY DOORS

SPACE SENSOR ARRAY

IMPULSE ENGINES

BOW LIGHT

PHOTON TORPEDOS
FWD/AFT

CONNECTING DORSAL

PHASERS TYPE-1 P/S

PHASERS T/B P/S
TYPE-1

FORMATION LIGHTS P/S

DEFLECTOR SHIELD GRID

PHASER TYPE GATLING P/S

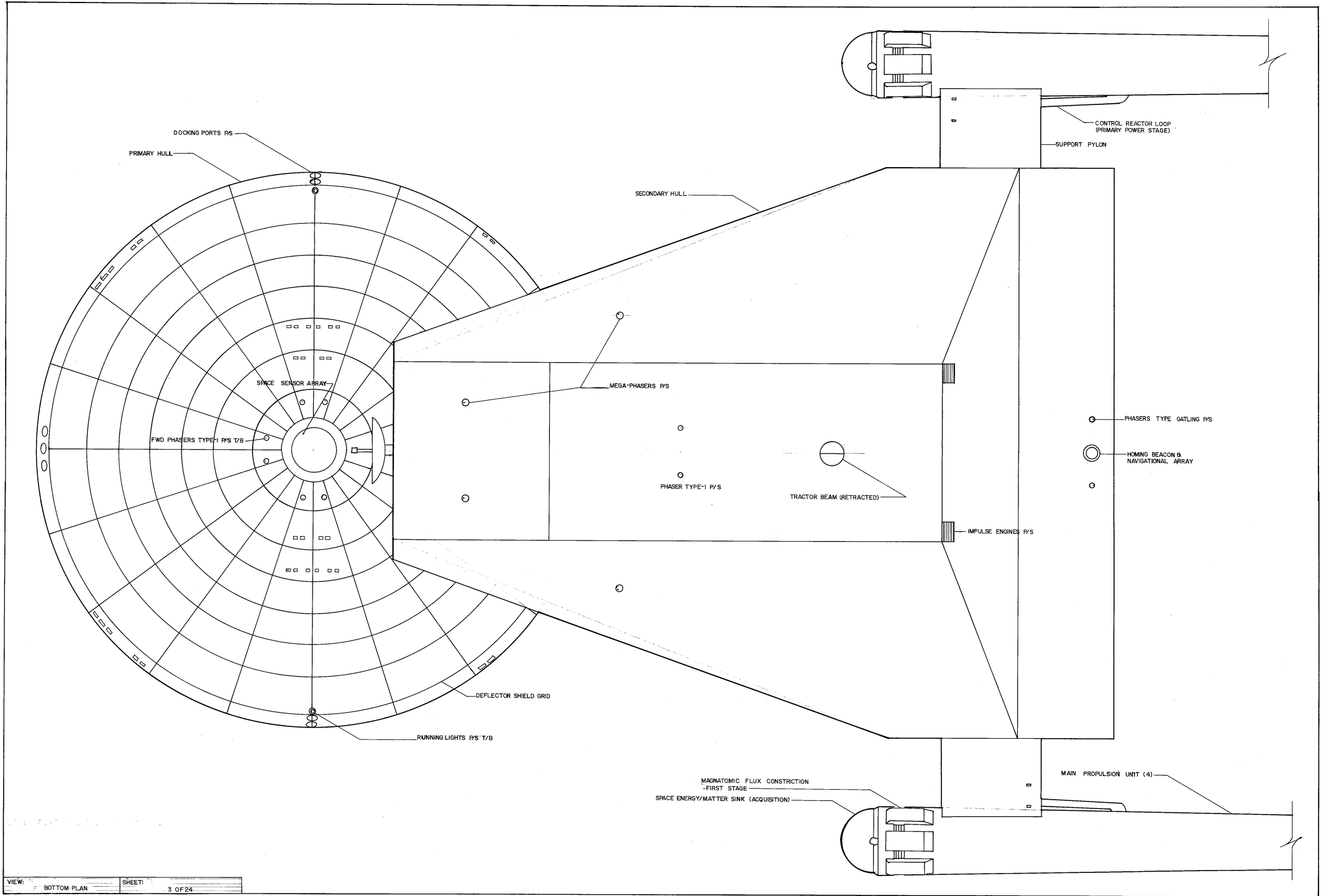
FORMATION LIGHTS P/S

RUNNING LIGHTS T/B P/S

SPACE ENERGY FIELD SENSOR (3)

SPACE ENERGY/MATTERSINK (ACQUISITION)

MAIN PROPULSION UNIT (4)



DOCKING PORTS P/S
PRIMARY HULL

SECONDARY HULL

CONTROL REACTOR LOOP
(PRIMARY POWER STAGE)
SUPPORT PYLON

SPACE SENSOR ARRAY

MEGA-PHASERS P/S

FWD PHASERS TYPE-1 P/S T/B

PHASER TYPE-1 P/S

TRACTOR BEAM (RETRACTED)

PHASERS TYPE GATLING P/S

HOMING BEACON &
NAVIGATIONAL ARRAY

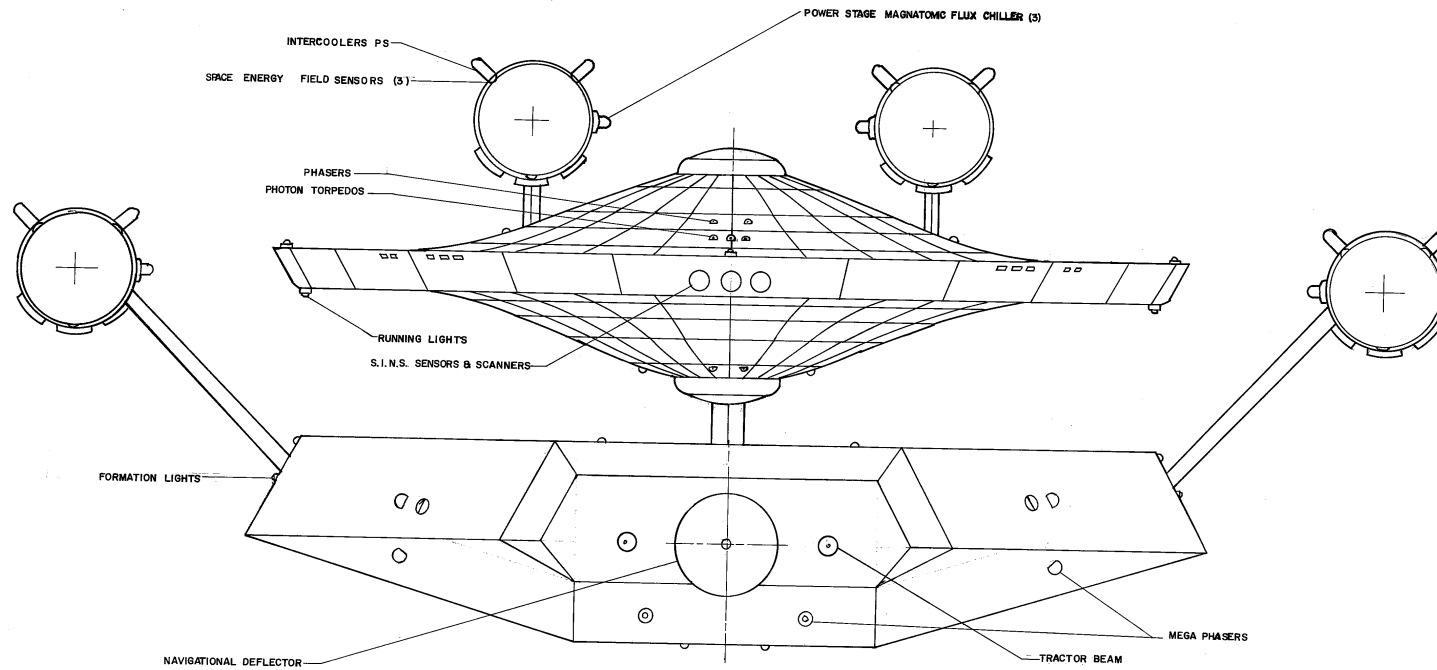
IMPULSE ENGINES P/S

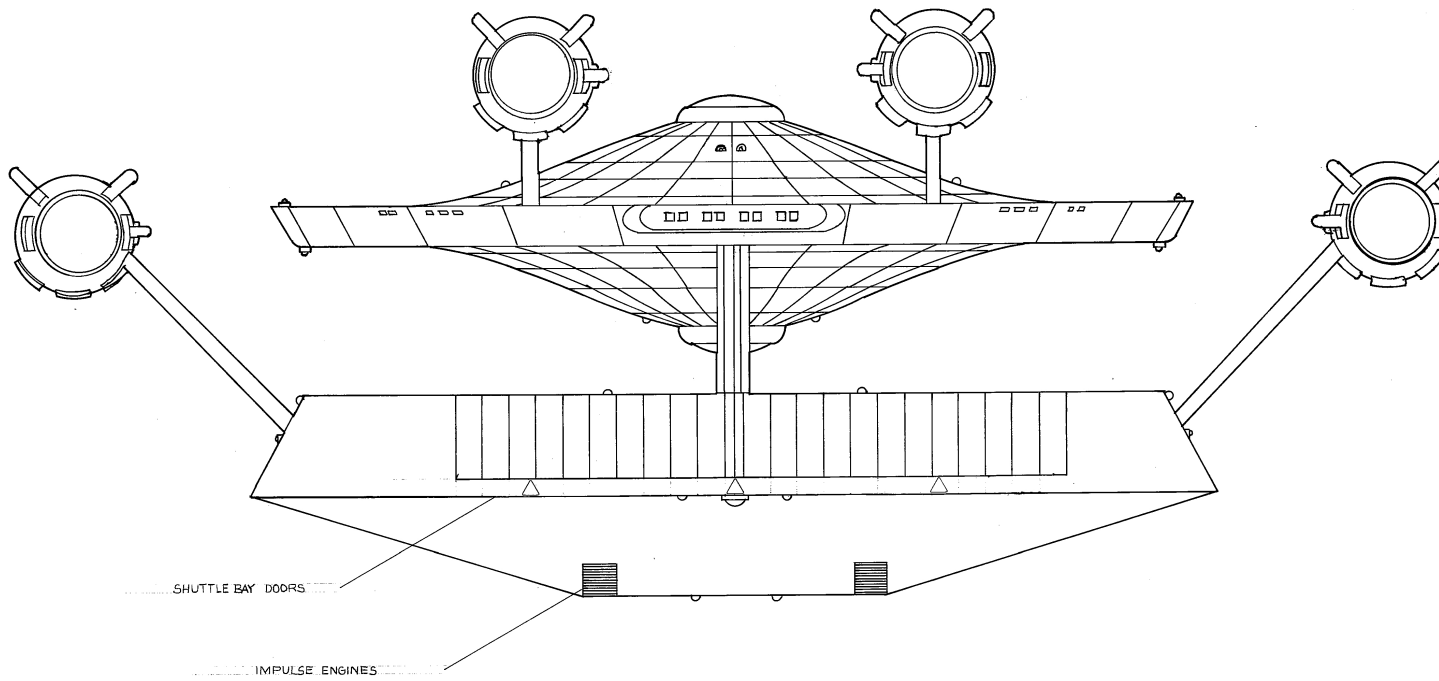
DEFLECTOR SHIELD GRID

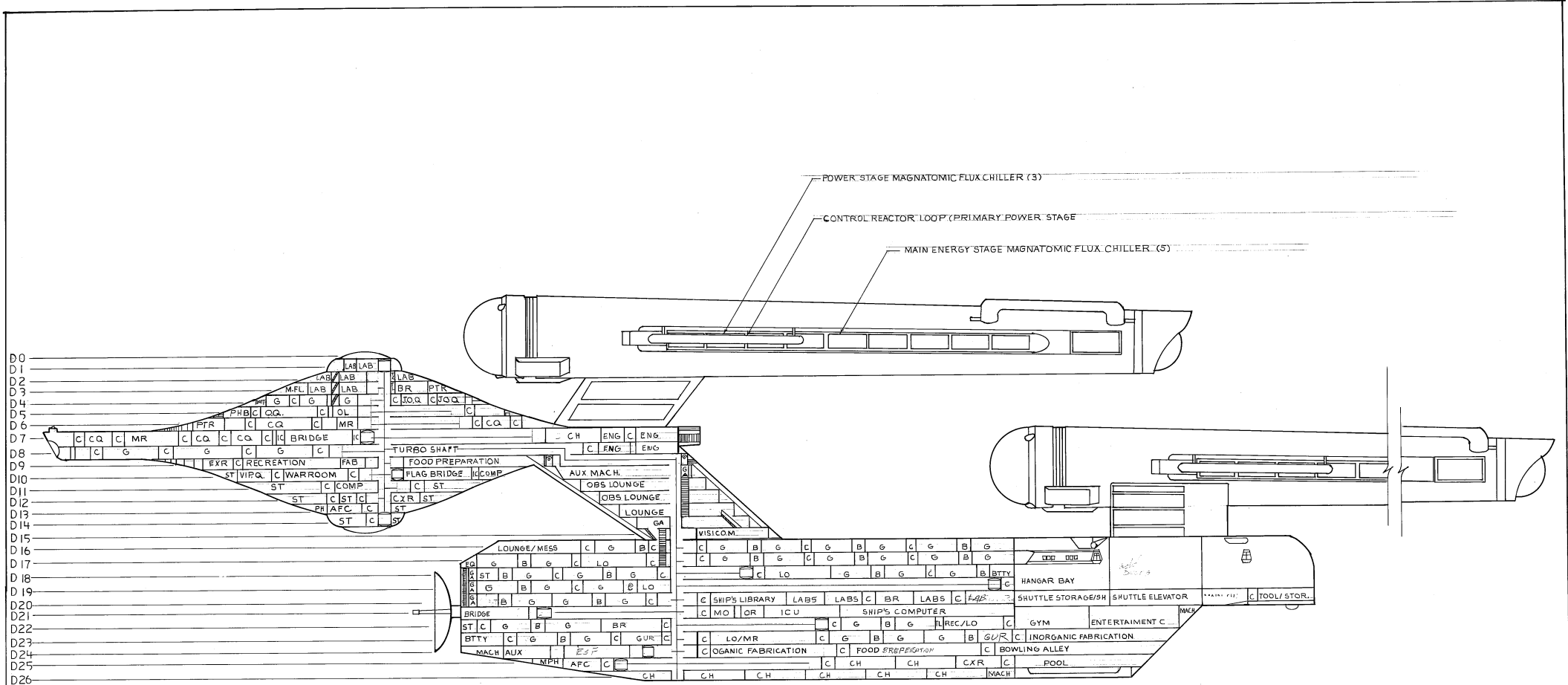
RUNNING LIGHTS P/S T/B

MAGNETIC FLUX CONSTRUCTION
-FIRST STAGE
SPACE ENERGY/MATTER SINK (ACQUISITION)

MAIN PROPULSION UNIT (4)





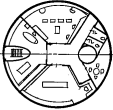


D0
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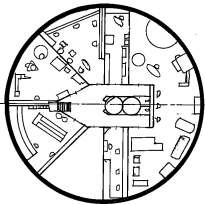
POWER STAGE MAGNATOMIC FLUX CHILLER (3)
CONTROL REACTOR LOOP (PRIMARY POWER STAGE)
MAIN ENERGY STAGE MAGNATOMIC FLUX CHILLER (5)



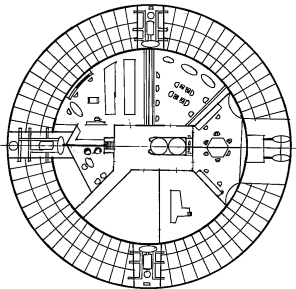
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PLAN



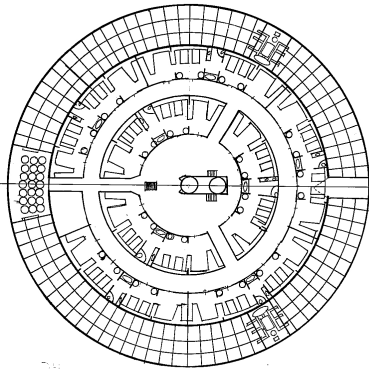
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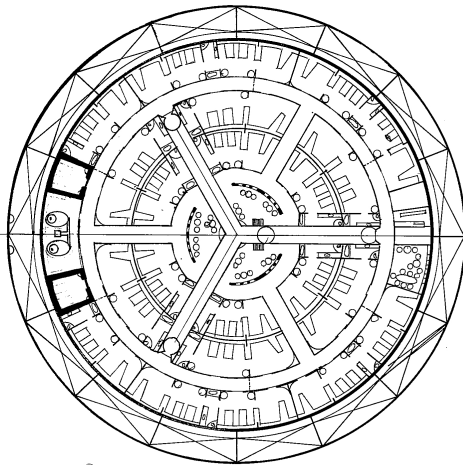


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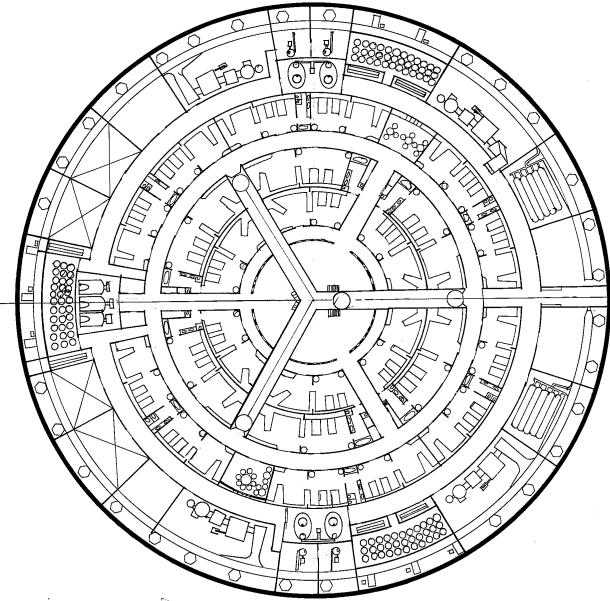


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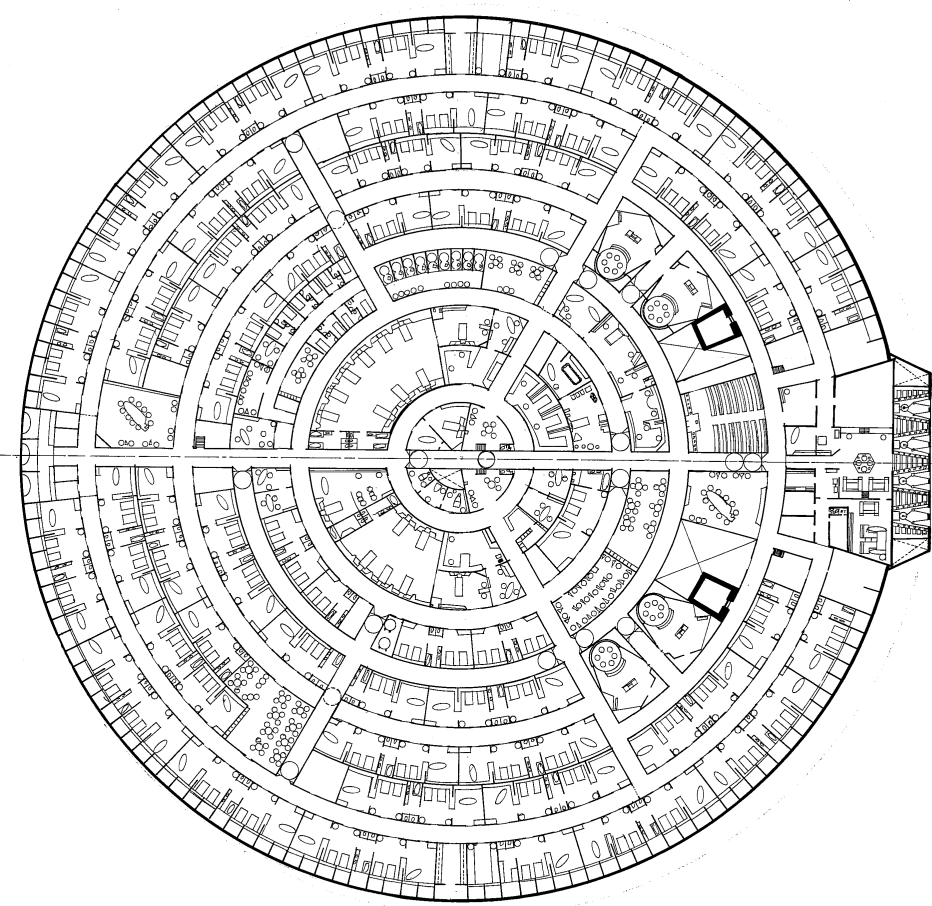
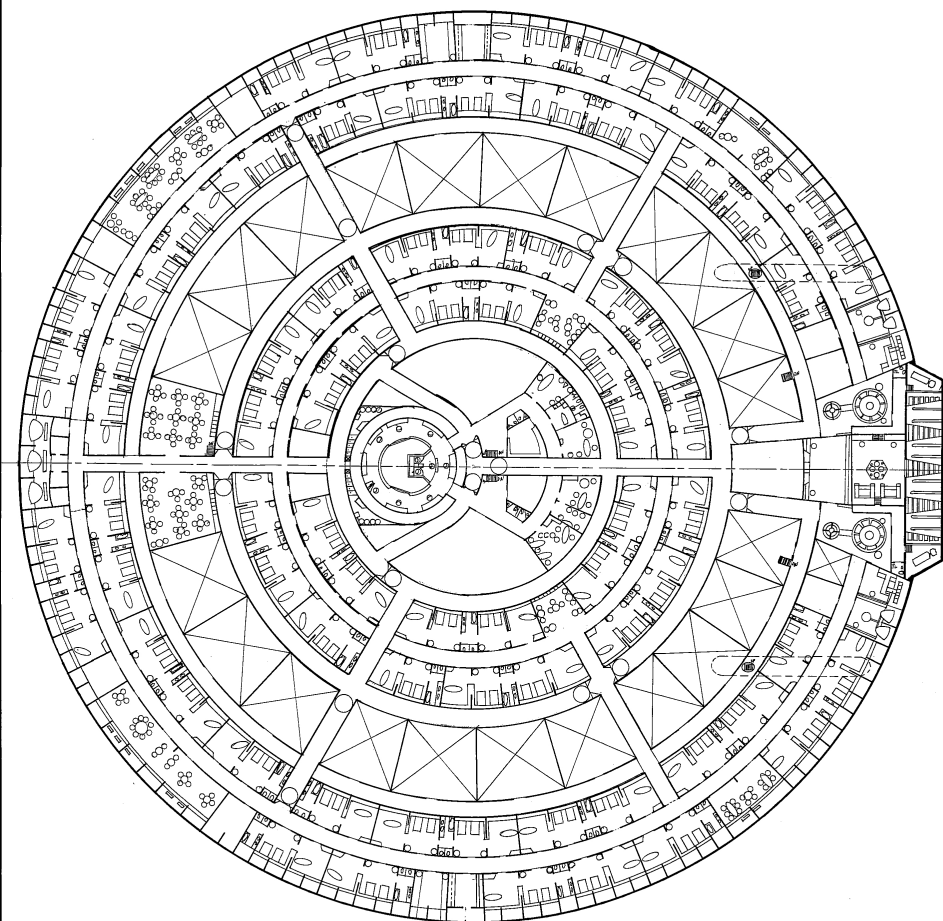
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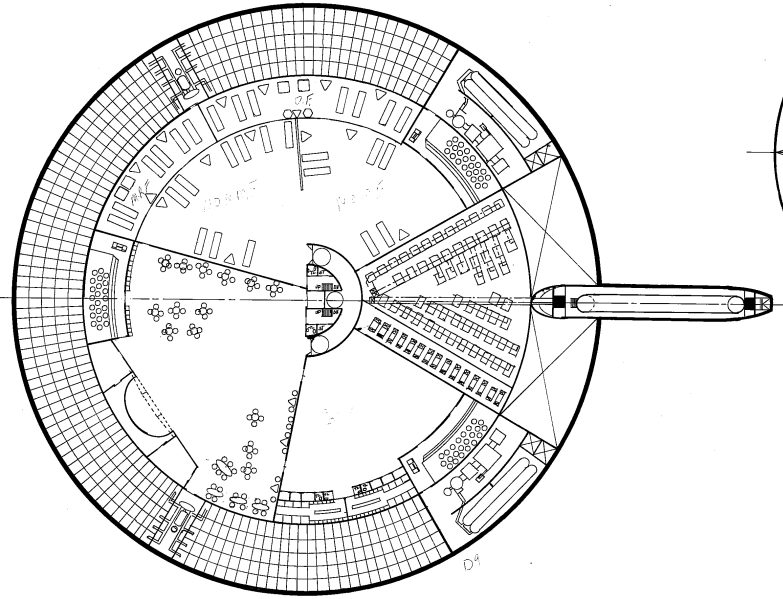


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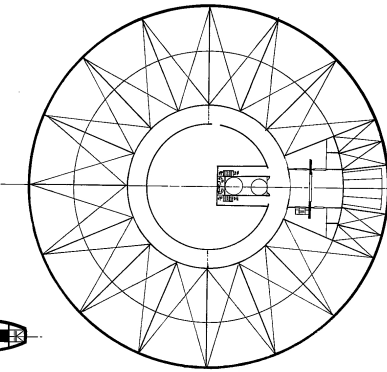


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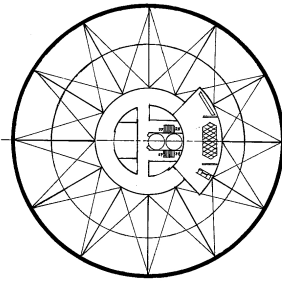
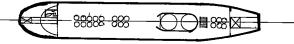




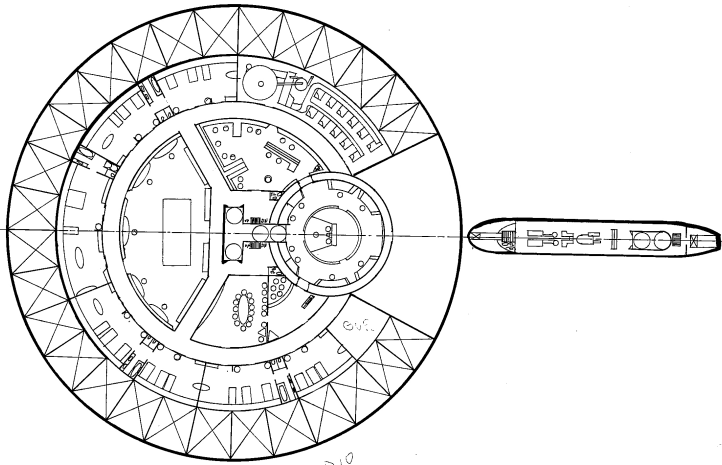
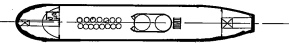
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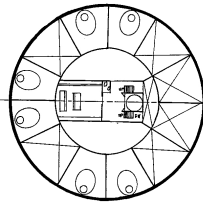
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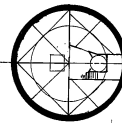
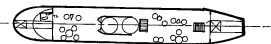
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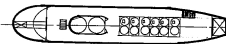
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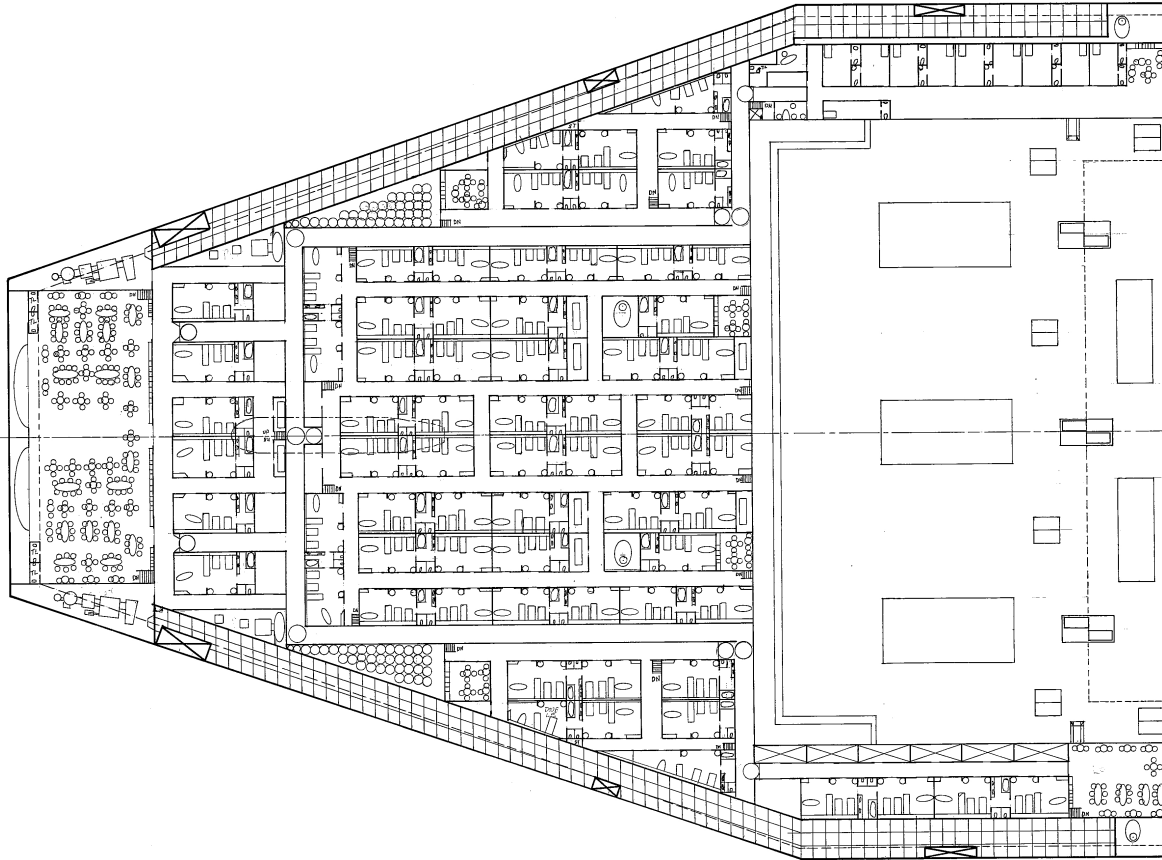
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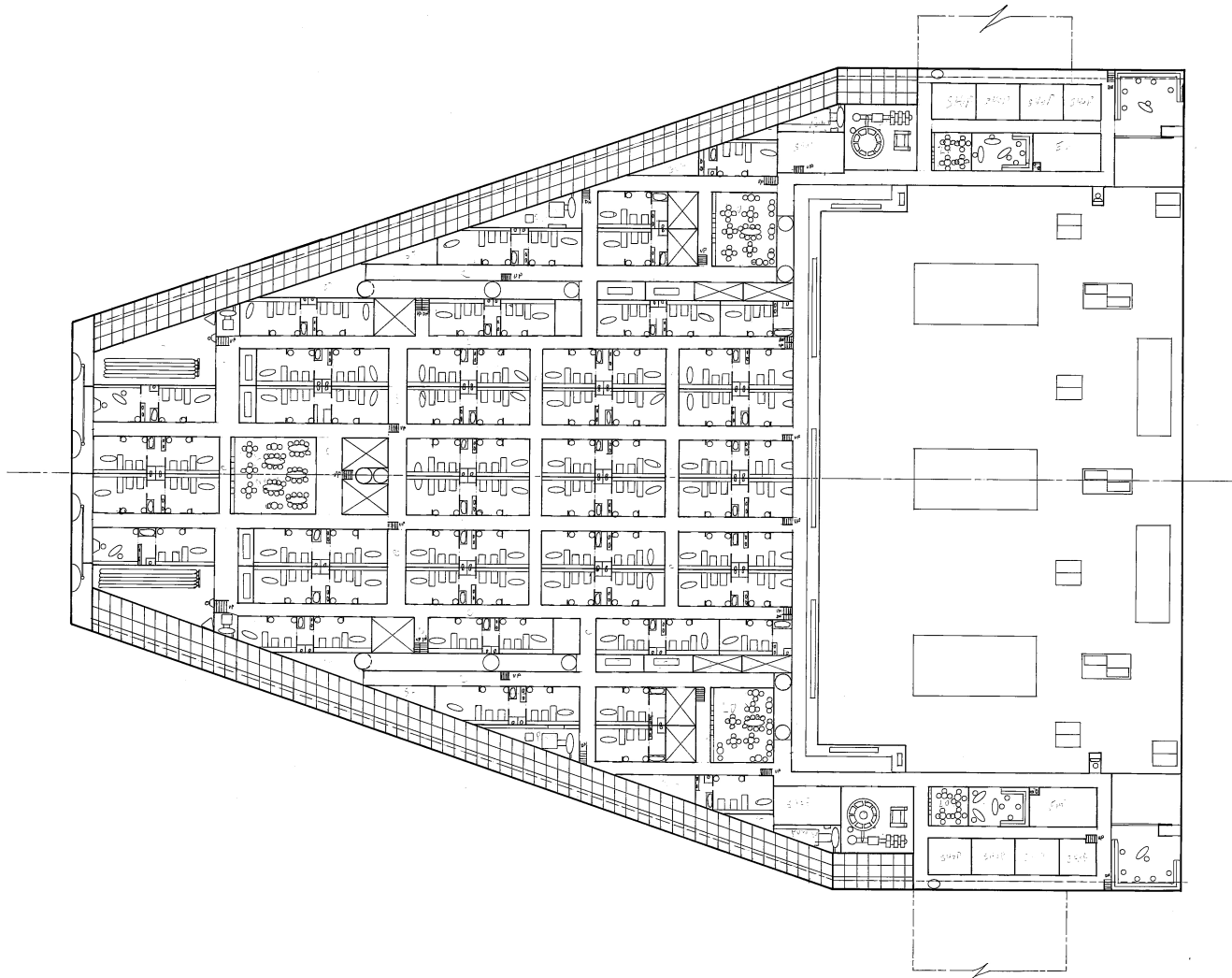


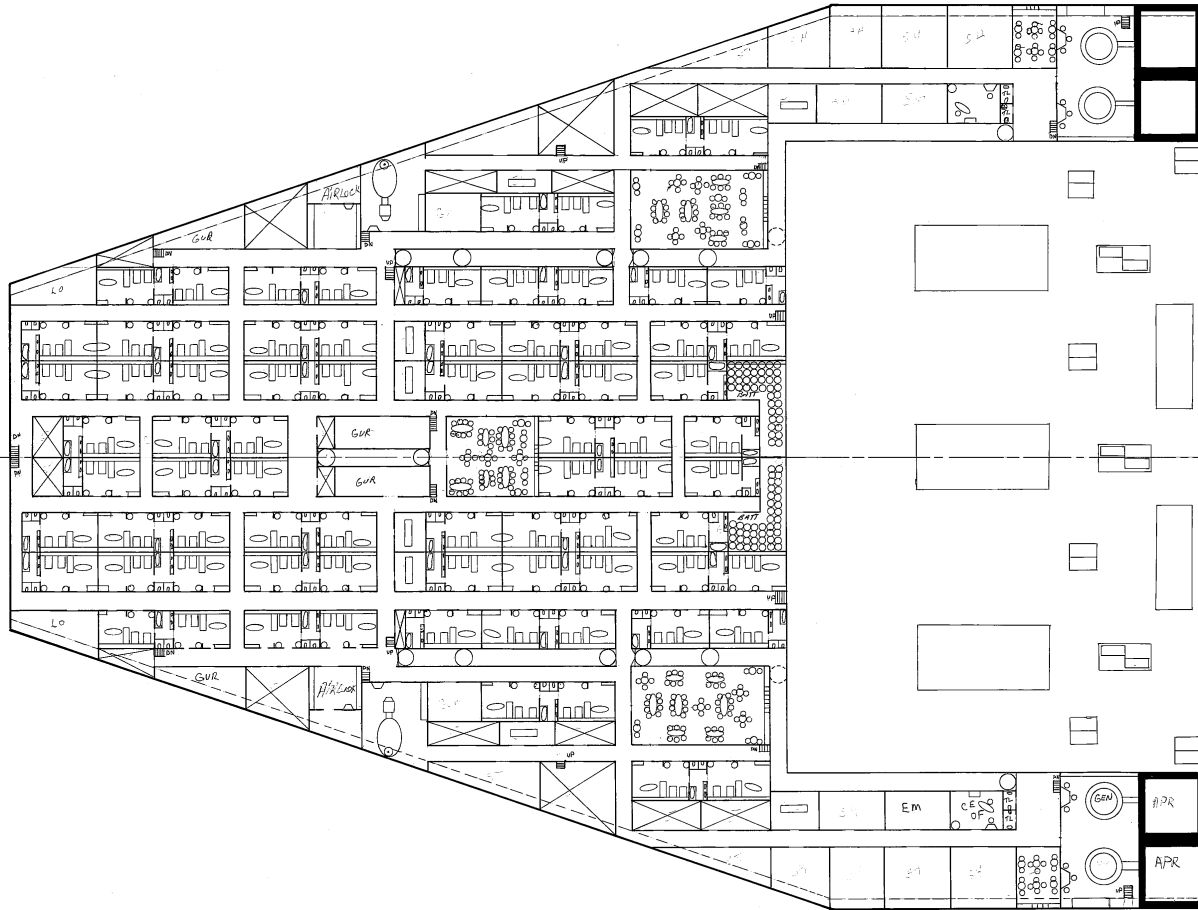
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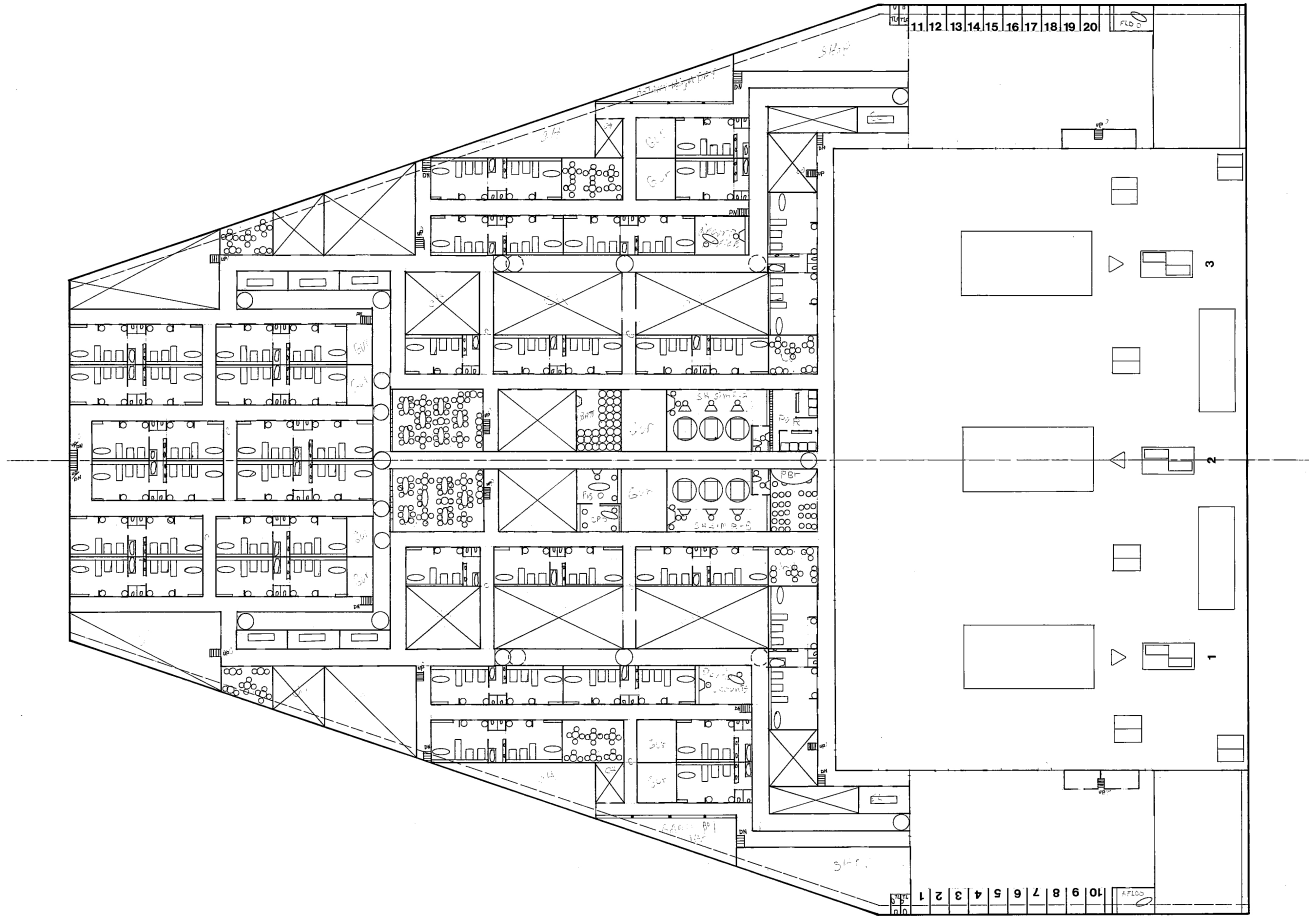


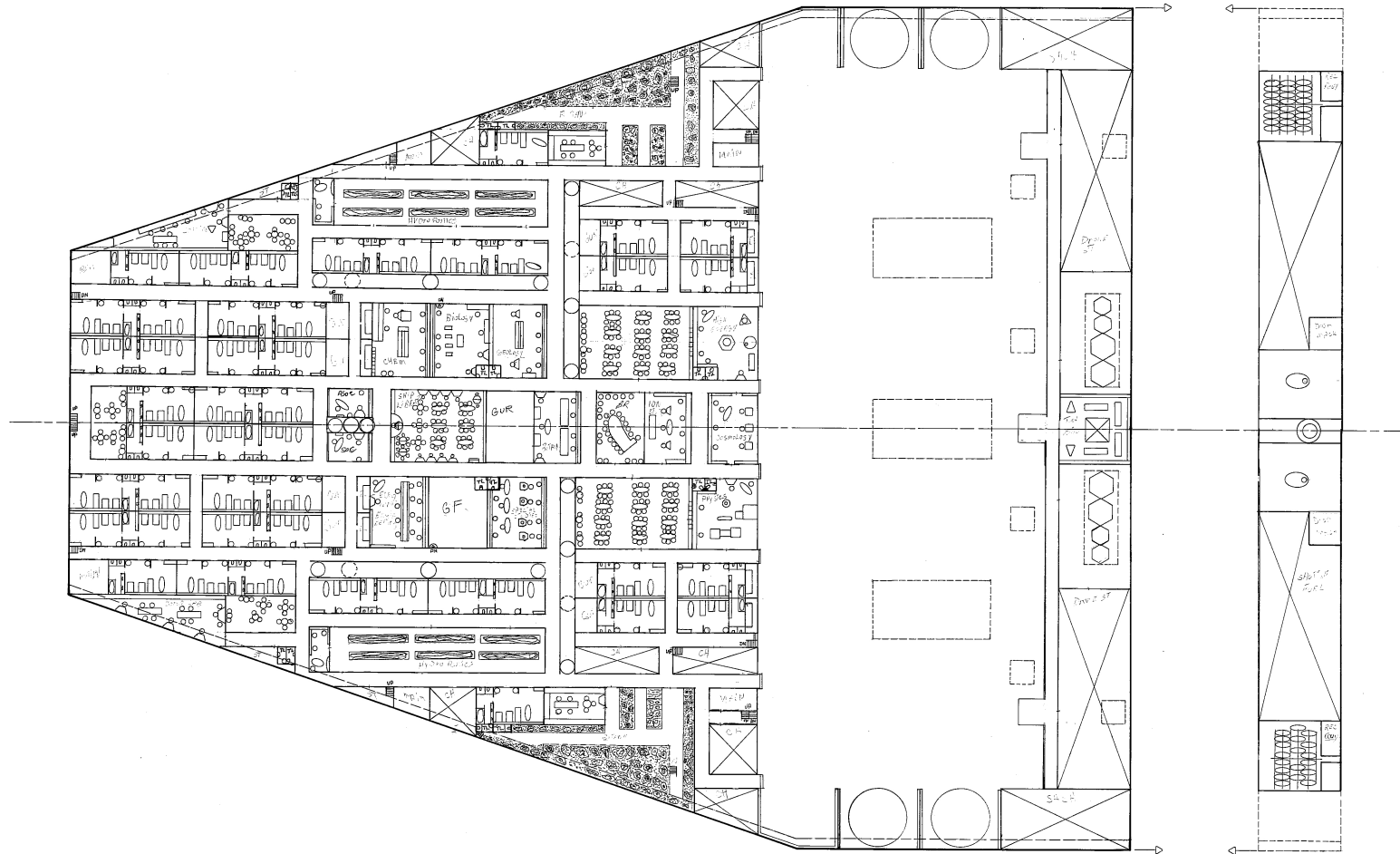
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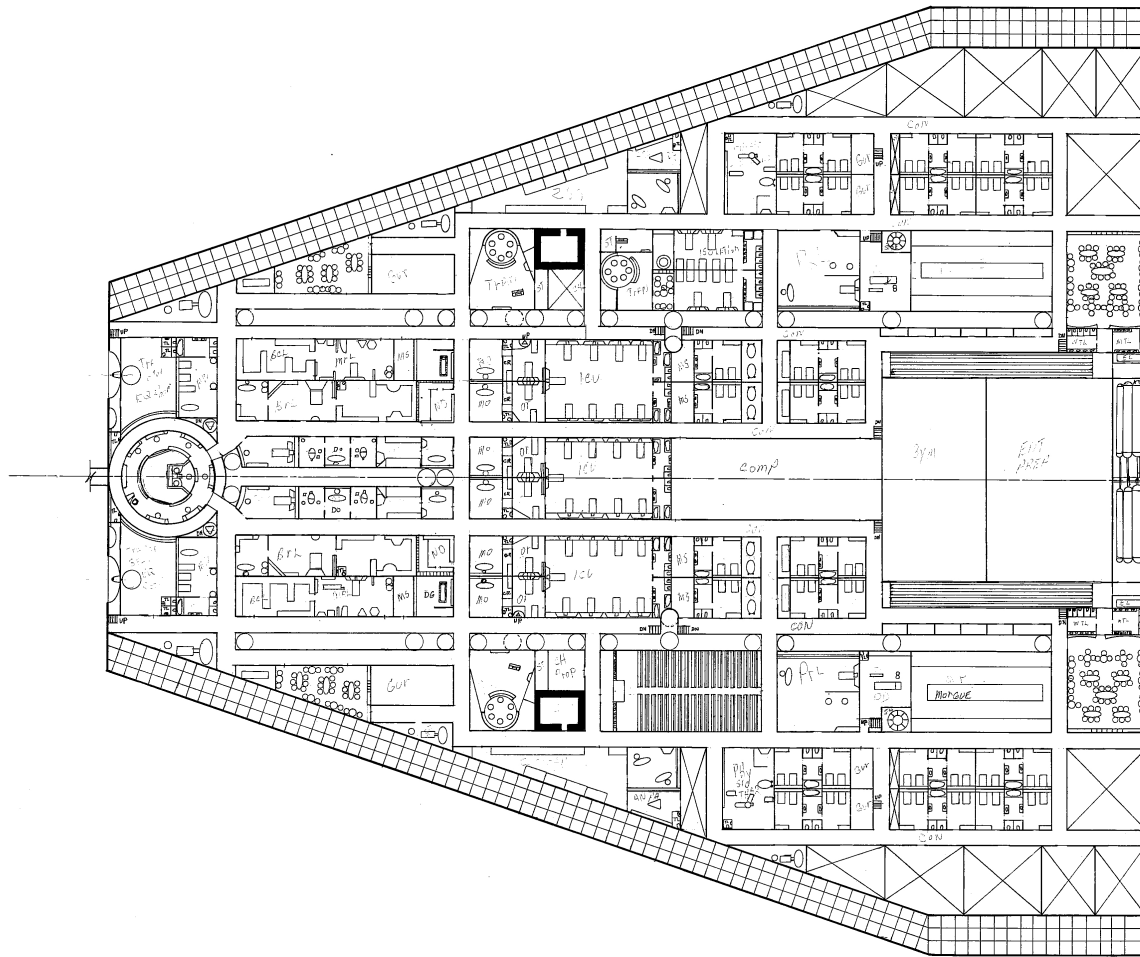


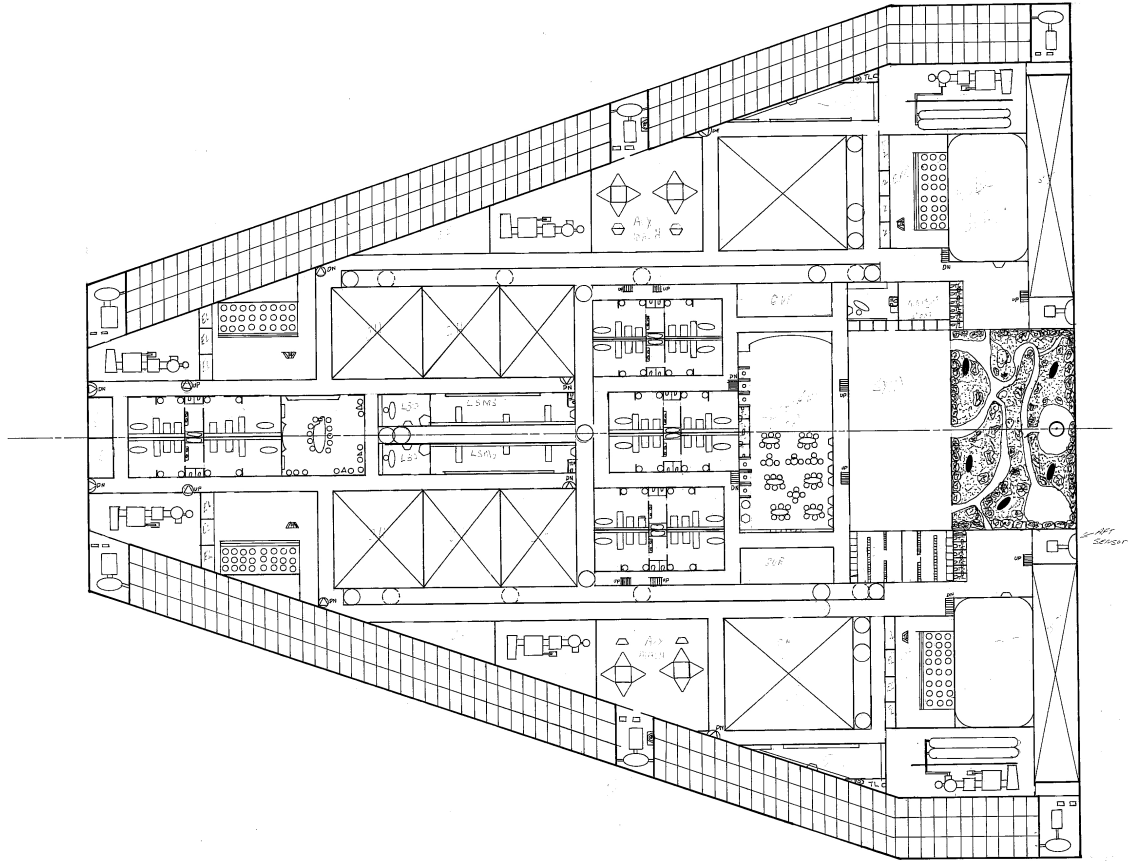


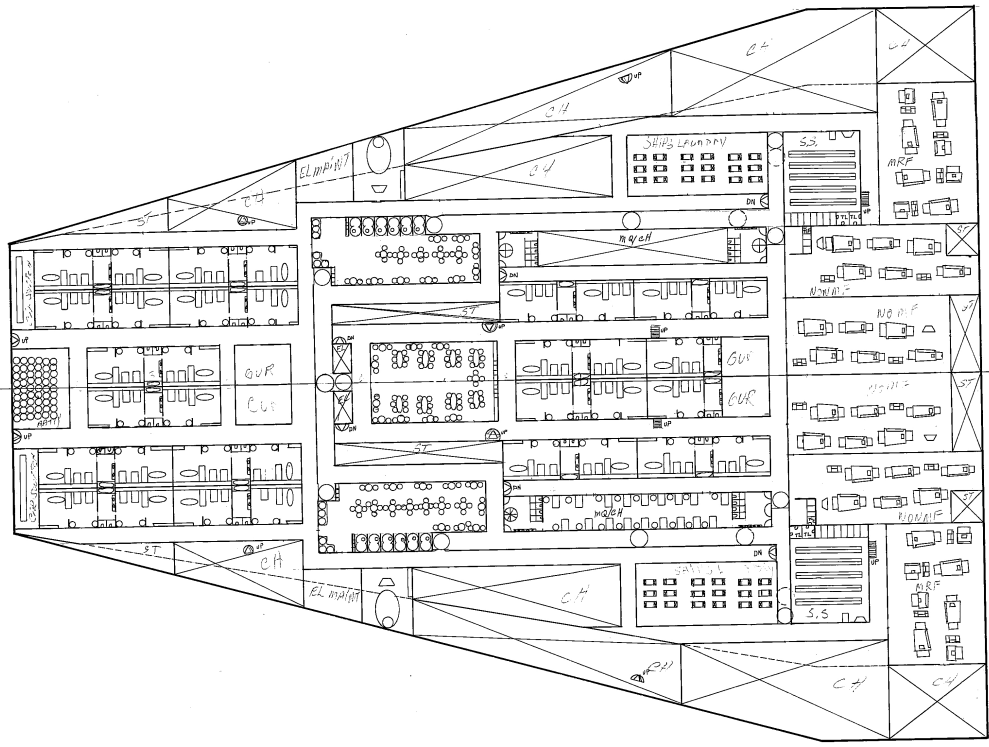


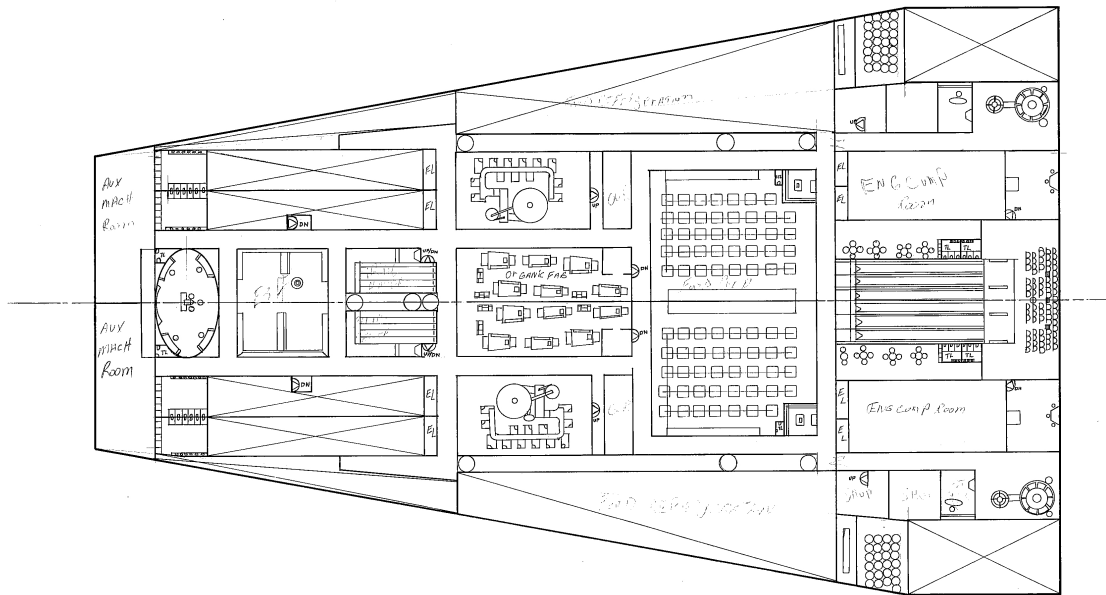


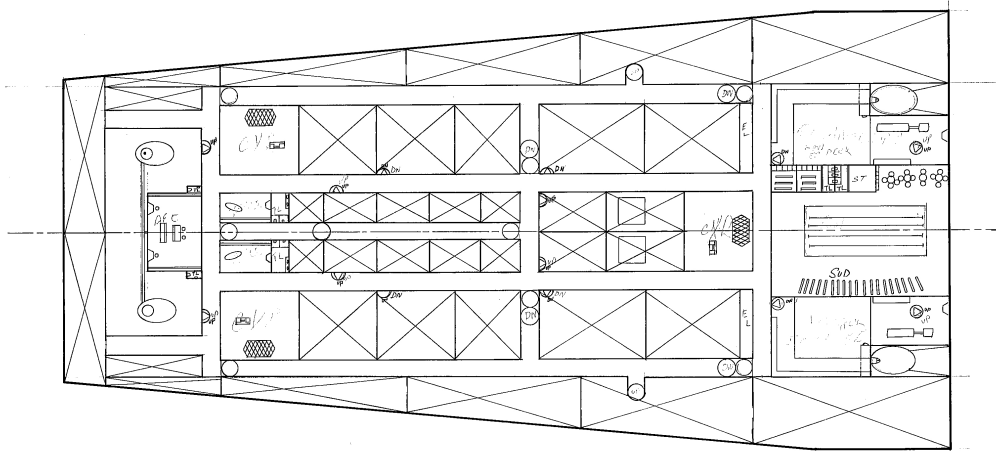


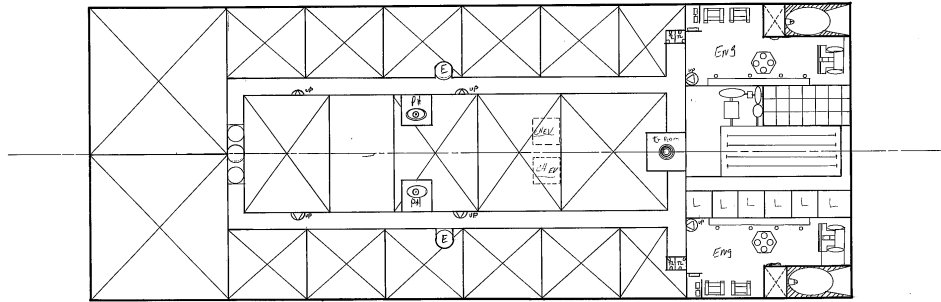


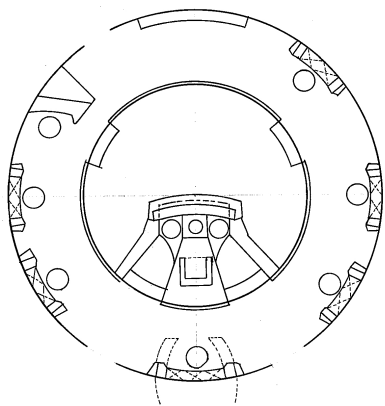




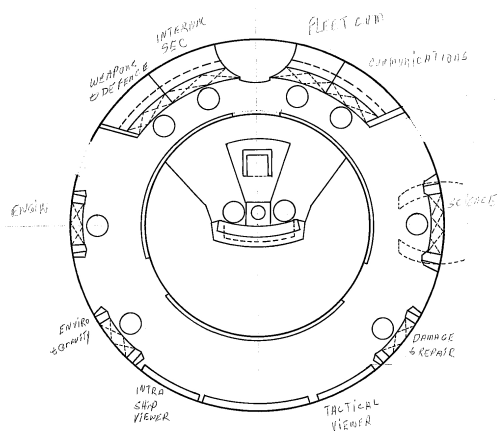




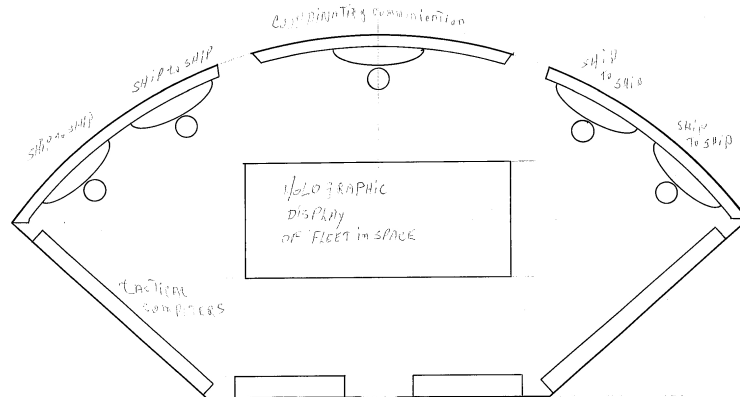




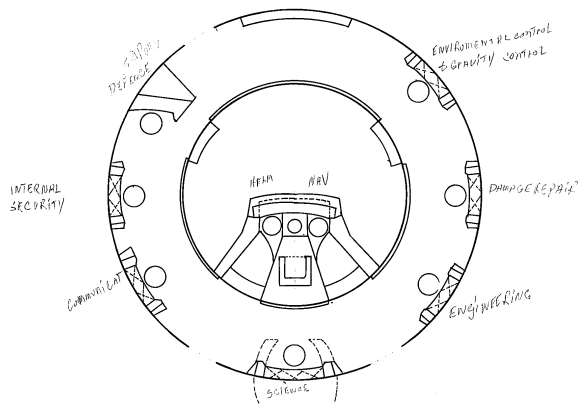
BRIDGE
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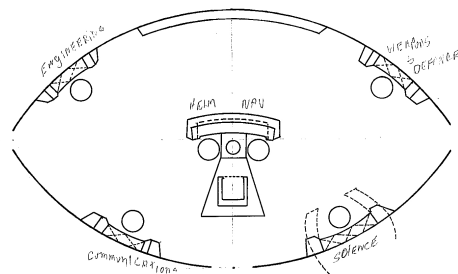
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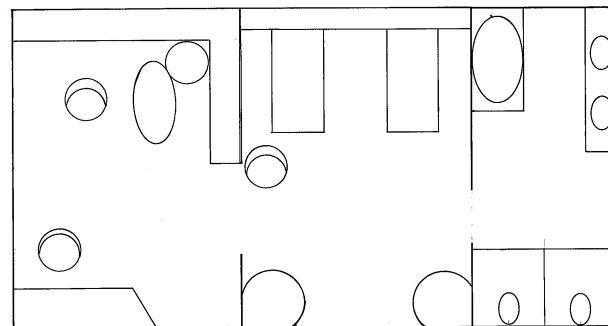
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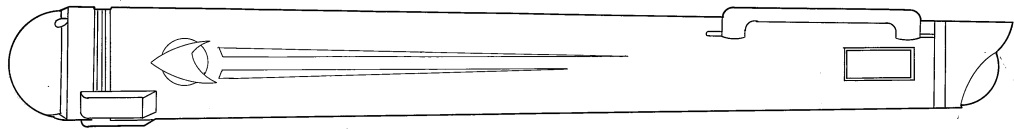
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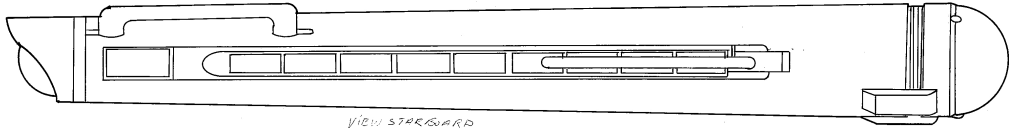
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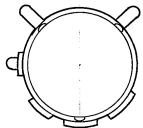
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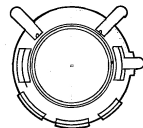
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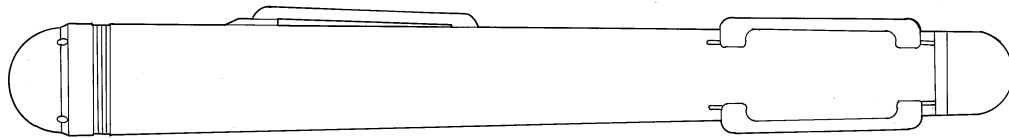
VIEW STARBOARD



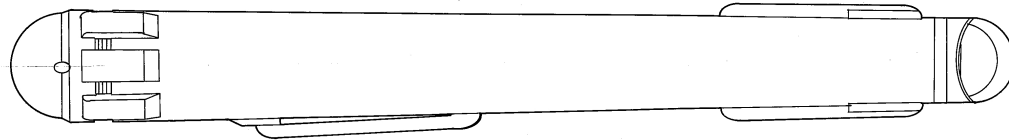
VIEW BOW



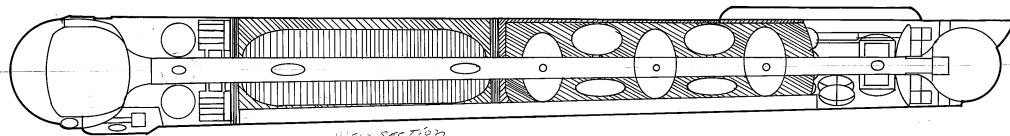
VIEW STERN



VIEW TOP



VIEW BOTTOM



VIEW SECTION

SCALE 2.5:1m

- 1- DECK PLATE TITANIUM 30mm
- 2- FLOORJOIST TITANIUM
- 3- BRACE - TITANIUM
- 4- GRAVITY COIL
- 5- LUMINESCENT BOX (LIGHTING)
- 6- CEILING TILE
- 7- CRAWLSPACE ACCESS DOOR 700
- 8- CRAWLSPACE
- 9- CRAWLSPACE FLOOR TITANIUM 10mm
- 10- FLEX TILE FLOORCOVERING 5mm
- 11- INSUL SOUND SPRAYON SOUND INSULATION

