

SYMBOLLOGY (SCALE: 1 : 600)

STRUCTURAL COMPONENT GROUP

BRIG PRISONER CELL

BULKHEAD SECTION WITH REMOVABLE ACCESS PANEL

CATWALK LADDER COMPARTMENT NEAR POCKET DOOR

CORRIDOR WITH JEFFRIES TUBE ENTRANCE PANEL

DAMAGE CONTROL LOCKER

ENGINEERING STATION WITH TWO POWERED LIFTS AND TWO LADDERS

EXTERIOR PERSONNEL ACCESS HATCH WITH AIRLOCK

FLOOR ACCESS HATCH

GENERAL STORAGE LOCKER

GENREAL UTILITY ROOM

HORIZONTAL TURBO-SHAFT SECTION

LANDING PAD ARMATURE

NARROW SPIRAL STAIRCASE

SHUTTLECRAFT TURNTABLE-LIFT MOTOR

STAIRS LEADING DOWN

STAIRS LEADING UP

STANDARD CARGO MODULE WITH FOUR COMPARTMENTS

STANDARD DOCKING PORT

STARWELL COMPARTMENT SECTION

STORAGE LOCKER UNIT

STRUCTURAL INTEGRITY FIELD GENERATOR

VERTICAL TURBOLIFT STATION

POWER SYSTEMS/PROPULSION GROUP

ANTIMATTER CONTAINMENT BOTTLE

ANTIMATTER GENERATION UNIT

COLD-START AUXILIARY FUSION REACTOR

DEUTERIUM/TRITIUM SLUSH TANK

DUAL-CHAMBER FUSION REACTOR ASSEMBLY

EMERGENCY COLD FUSION BATTERY BANK

GENERAL ANTIMATTER CONTAINMENT FIELD GENERATOR

HORIZONTAL INTERMIX SHAFT CONDUIT SECTION

HYDROGEN ISOTOPE PRE-MIX FILTER TANK

HYDROGEN COLD FUSION PROCESSOR

IMPULSE THRUSTER PORT

INTERMIX SHAFT MAGNETIC TRANSFER FLOW CONDUIT

LOCALIZED MACHINERY COOLING UNIT

PARTICLE BEAM MANEUVERING THRUSTER PACKAGE

PLASMA POWER CONVERTER

POWER DISTRIBUTION TRANSFORMER

POWER FREQUENCY INVERTER

SURGE PROTECTOR BLOCK

VERTICAL INTERMIX SHAFT CONDUIT SECTION

PERSONNEL SUPPORT GROUP

CARGO TRANSPORTER UNIT

DINING TABLE WITH FOUR CHAIRS

EMERGENCY/ASSAULT 22-PERSON TRANSPORTER PAD

EXAMINATION/OPERATING ROOM TABLE

INTENSIVE CARE BED

LARGE CONFERENCE TABLE WITH 16 CHAIRS

LINEAR INDUCTION ENERGIZER

OFFICE DESK WITH CHAIR

REMOTELY-CONTROLLED CARGO TRANSPORTER UNIT

SINGLE OCCUPANT LIFE POD WITH ACCESS HATCH

SIX-PERSON TRANSPORTER PAD AND CONTROL BOOTH

SOLID MATERIAL FABRICATOR UNIT

SONIC CLOTHES WASHERS/PRESSING UNITS

TURBOSHAFT PRESSURIZATION UNIT

VIRTUAL REALITY SHUTTLECRAFT SIMULATOR/WORKBEE

C3I GROUP

HELM/NAVIGATION STATION AND CAPTAIN'S CHAIR

INTERACTIVE CONFERENCE TABLE WITH SEVEN CHAIRS

MAIN COMPUTER CORE SECTION WITH FOUR COMM PANELS AND CHAIRS

MULTI-PROGRAMMABLE CONTROL/COMM STATION WITH THREE CHAIRS

MULTIPROGRAMMABLE STAND-UP AND SIT-DOWN CONTROL/COMM PANELS

NAVIGATIONAL SENSOR ARRAY

PHASER CONTROL ROOM

SHUTTLECRAFT DOCKING TRACTOR BEAM EMITTER

SUBSPACE RADIO TRANSMITTER/RECEIVER

TRANSPORTER/MATERIAL FABRICATOR CONTROL BOOTH

LIFE SUPPORT GROUP

ATMOSPHERIC PROCESSING UNIT

ATMOSPHERIC STORAGE TANKS

EXTERNAL LIFE SUPPORT FEED

INERTIAL DAMPING FIELD GENERATOR

MULTI-DIRECTIONAL GRAVITY GENERATOR

SOLID WASTE DEFABRICATOR

WATER COMPRESSION TANK

WATER TREATMENT UNIT/TRANSFER PUMP

DEFENSE GROUP

DEFLECTOR SHIELD GENERATOR

NAVIGATIONAL DEFLECTOR EMITTER

PHASER BANK MOUNT

PHOTOPP/RECORDER/MARKER BUOY

ABBREVIATIONS

| | | | | | |
|-------|---------------------------------|---------|----------------------------------|---------|--------------------------------------|
| AC | Arms Cabinet | FFG | Firing Field Generators | PSE | Power Systems Engineer |
| ACB | Antimatter Containment Bottle | FPB | Forward Phaser Bank | PSYCH | Psychology |
| ACE | Assistant Chief Engineer | GCH | General Cargo Hold | PWR | Power |
| ACSO | Assistant Chief Science Officer | GG | Gravity Generator | QTRS | Quarters |
| AFR | Auxiliary Fusion Reactor | GNRL | General | R/MB | Recorder/Marker Buoys |
| AL | Airlock | GRD | Guard | RC | Reactor Core |
| AUX | Auxiliary | GTR | Generator | RCPN | Reception |
| BAL | Balcony | GU | General Utility Room | RCT | Reaction Control Thruster |
| BKR | Breaker | HBCB | Hangar Bay Control Booth | RCTR | Reactor |
| CB | Control Booth | HD | Head | RDO | Recreation Deck Officer |
| CE | Chief Engineer | HG | Hologram Generators | REC | Recreation |
| CKT | Circuit | IDC | Impulse Deflection Crystal | REC/MKR | Recorder/Marker |
| CMO | Chief Medical Officer | INTSV | Intensive | RGLN | Regulation |
| CN | Chief Nurse | ISE | Internal Systems Engineer | RM | Room |
| COMM | Communications | JFOQ | Junior Flight Officer's Quarters | SC | Security Chief |
| CSO | Chief Science Officer | JOQ | Junior Officer's Quarters | SFE | Shipfitting Engineer |
| CTRL | Control | JT | Jeffries Tube | SFOQ | Senior Flight Officer's Quarters |
| CW | Catwalk | LND | Lower Navigational Dome | SHLD | Shield |
| D/T | Deuterium / Tritium | MAGLEV | Magnetic Levitation | SIFG | Structural Integrity Field Generator |
| DCE | Damage Control Engineer | MATL | Material | SL | Storage Locker |
| DCL | Damage Control Locker | MCC | Main Computer Core | SNSR | Sensor |
| DEFAB | Defabrication | MCHNY | Machinery | SO | Second Officer |
| DEUT | Deuterium | MS | Monitoring Station | SOQ | Senior Officer's Quarters |
| DMG | Damage | MSA | Main Sensory Array | SPB | Starboard Phaser Bank |
| DMH | Doctor of Mental Health | NVGNL | Navigational | SPRT | Support |
| DN | Down | OFCD | Officer | SR | Subspace Radio |
| EE | Environmental Engineer | OPR | Operating | STA | Station |
| EGCY | Emergency | OPS | Operations | SYN | Synthesis |
| EGZR | Energizer | PCA | Primary Cooling Array | SYNZR | Synthesizer |
| ENG | Engineering | PCMRM | Personal Communications Room | SYS | Systems |
| ENGR | Engineer | PCR | Phaser Control Room | T/R | Transmitter/Receiver |
| EQ | Enlisted Quarters | PH | Personnel Hatch | TEMP | Temperature |
| EXMN | Examination | POL SCI | Political Science | TP | Thruster Port |
| FAB | Fabrication | PPB | Port Phaser Bank | TRNS | Transporter |
| FD | Food | PRMY | Primary | XO | Executive Officer |

AUTHOR'S NOTES

STAR TREK is a registered trademark of Paramount Pictures. Certain artwork and designs contained within this document are in fact the property of Paramount Pictures, and have been used without consent. No copyright infringement of such material was intended, and we humbly acknowledge that these designs would not have been possible without the previous works of the STAR TREK Art Department. This document is not sponsored, authorized, or approved by Paramount Pictures in any way. It is our sincere hope the management of Paramount Pictures and Viacom, Inc. recognizes this product as merely another small piece in a long line of fan-generated literature that has helped keep the STAR TREK franchise alive for the past thirty years.

We acknowledge that the *Star Trek Encyclopedia*, first published in 1994, lists the U.S.S. Reliant, along with all vessels of similar design, as Miranda-class starships. However, David John Nielsen's drawings, first printed in 1983, established the Reliant as an Avenger-class heavy frigate more than a decade earlier. Although much of fandom has now adopted the Paramount-sanctioned Miranda classification, we have decided to hold true to the notion that the first starships of this design, including the Reliant, are of the Avenger-class line. Additionally, we feel there is enough room in the STAR TREK universe for both Avenger-class and Miranda-class starships, considering the diversity in design and time-span in which they have been seen. We have also strayed from Paramount-sanctioned resources by using Alex Rosenzweig's *Timeline of Star Trek History*, which is more accurate for our needs than the more accepted *Star Trek Chronology: The History of the Future*. Some of the dates listed within may conflict.

In the summer of 1992, I made the decision to join Starfleet (www.sfi.org), an international fan association dedicated to the spirit of STAR TREK. As a resident of central New Jersey, I was assigned to a local chapter in its Region 7, which by chance turned out to be the U.S.S. Avenger (FH 1860). After attending several club meetings, I became aware of my new vessel's historic fictional lineage. Being a technical draftsman by trade, I had spent much of my free time, before joining the Avenger, drawing various vessels from the STAR TREK universe. Therefore in mid-1994, after finishing basic exterior drawings of my new ship, I made the decision to create a complete set of deck plans of the heavy frigate. Over the next several years, with the help of Alex Rosenzweig and a library of sourcebooks, I fleshed out the interior of the Avenger, based upon established Motion Picture-era Trekology. This is our finished product. I hope you have enjoyed viewing it as much as we have enjoyed creating it.

I would like to thank a number of important people who were instrumental in the completion of this project. They are, in no particular order: Jim Migacz, Dean Gangaware, John Tully, Keith Kambach, Tim Farley, Michelle Bowlin, Carlos Maldonado, Liz Woolf, Hartriono and Rahadyan Sastrowardoyo, Wayne Snyder, Jon Kus, John Burt, Victoria Mackey and Paul Frenclzi. For their superb works, which I often referenced, I would like to acknowledge Franz Joseph, David Kimble, Shane Johnson, David John Nielsen, Todd Guenther, David Schmidt, Lawrence Miller, Eric Kristiansen, Roy Firestone, Bernard Guignard and Mark Wilson. Finally, for their wonderful creations, I would like to recognize the designs of Matt Jeffries, Greg Jain, Andrew Probert, Joe Jennings, Mike Minor,

Herman Zimmerman, Michael and Denise Okuda, Doug Drexler, and of course Rick Sternbach. I made various attempts to contact these people before releasing this document. I sincerely hope none of them are offended by my expansion upon the terrific works which they have already established.

Special thanks goes to Arnand Kularajah for his keen set of eyes and his superior design of the Torpedo Pod. A very special thanks goes to my long-time friend Matthew T. Farley, who has been with me from the start of my study of Trekology, and graciously gave me my first copy of *Ships of the Star Fleet, Volume One / Revised*. Most of all I would like to thank my mentor, Alex Rosenzweig. He taught me everything I needed to know about this ship. Over the past several years he has endured unjustified periods of inactivity, long hours of repetitive questioning, design reviews, editing sessions, re-editing sessions, and most of all...changes, after changes, after more changes. This document would not have been possible without his hard work, patience, and vision. Alex never gave up on me, and in the end he let me see this ship, through the eyes of its Captain, like no other piece of fiction I have or will ever again.

This packet represents five years of extensive work by Alex Rosenzweig, myself, and the design contributors listed on Sheet 1. We are attempting to control unauthorized duplication of this material, and have taken certain precautions to this end. Set authenticity can be most easily verified by the **red** numbered stamp on the cover envelope, which should match the number listed below:

AUTHENTICATION #

The validity of these sheets can also be determined by the quality of their printing (1200 dpi). No photocopied sets of these plans have been sanctioned by Alex Rosenzweig or myself, and if discovered, should be considered forgeries. Anyone purchasing a fraudulent pack of this kind can have their sheets replaced, free of charge, with an official set at my expense. Please note the source of your purchase and contact me via e-mail or at the address listed below. I will gladly instruct you on our reimbursement procedures. Thank you all for your help in this area. Please help keep the good will and spirit of STAR TREK alive. For additional orders, please contact me at the aforementioned addresses, or visit our web site at <http://members.aol.com/FH1860/>. We welcome any and all comments and corrections to our designs.

Sincerely,

Michael C. Rupprecht

FEDERATION FRONTIERS
c/o Michael C. Rupprecht
3711 Bloomingdale Dr.
Hillsborough, NJ 08844-5531

Michael C. Rupprecht
MRupprecht@aol.com

