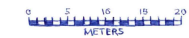


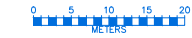
U.S.S. DISCOVERY CLASS



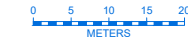
C. 2235



C. 2243



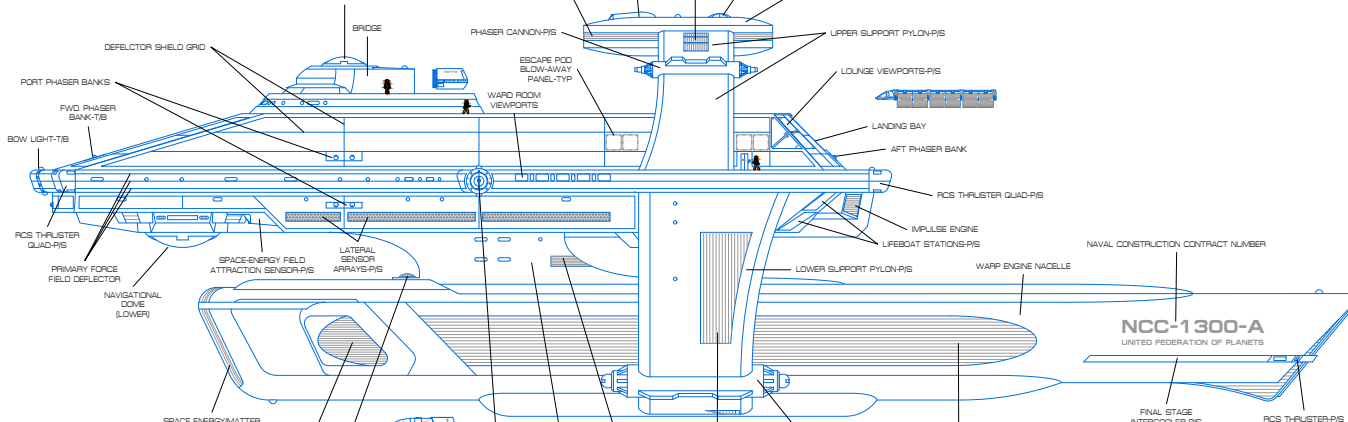
C. 2269



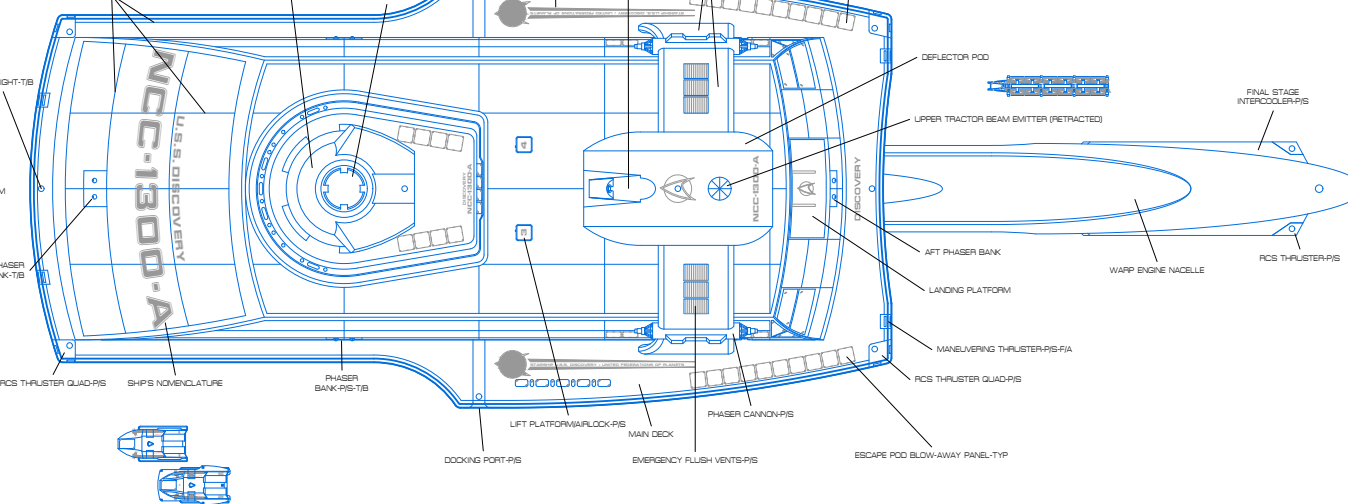
C. 2278



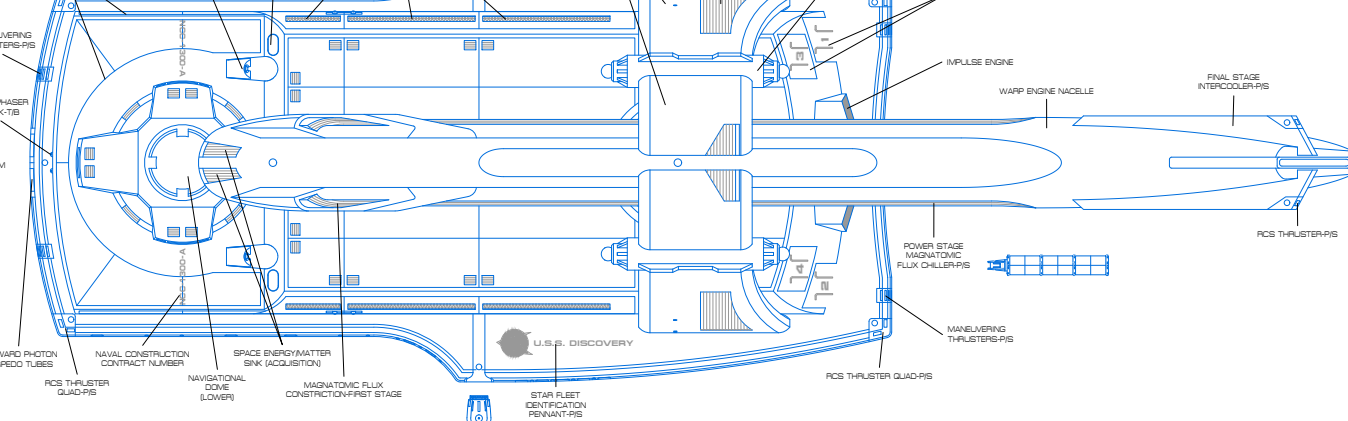
## OUTBOARD PROFILES



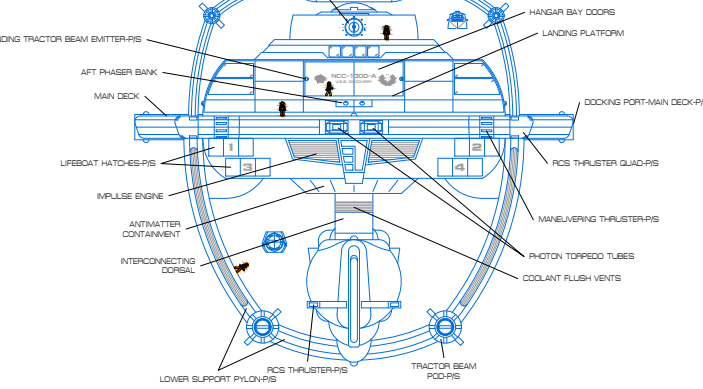
## OUTBOARD TOP PLANS



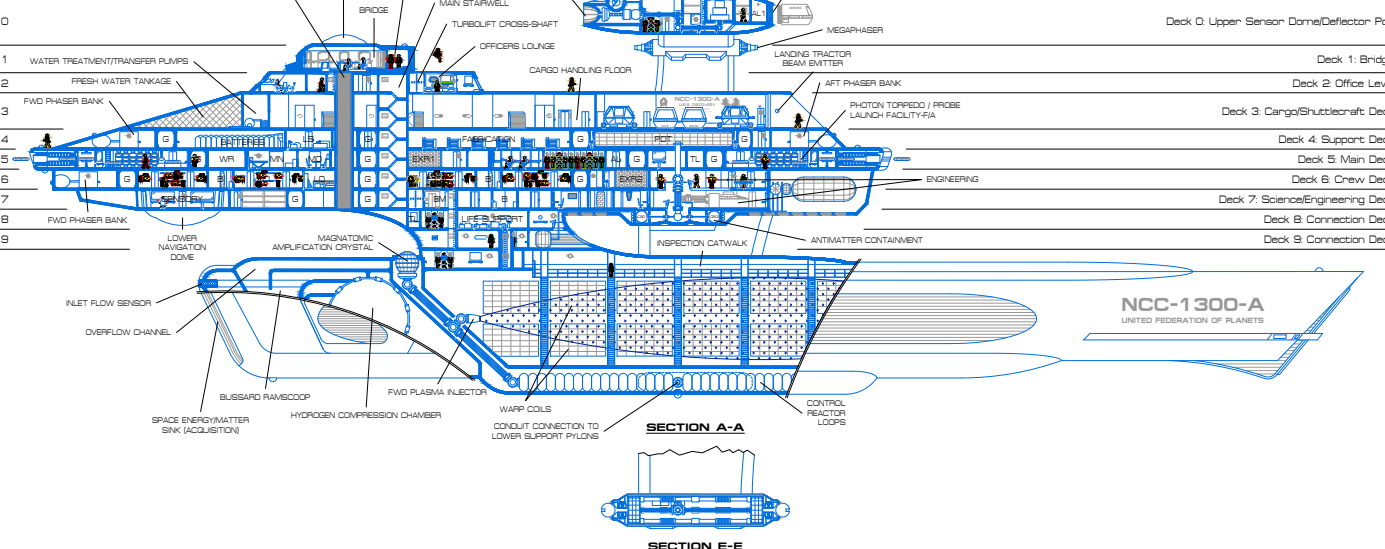
## OUTBOARD BOTTOM PLANS



## OUTBOARD BOW AND STERN ELEVATIONS



## INBOARD PROFILES

[illegible][illegible][illegible]

## DESIGN CONCEPT

THE DISCOVERY CLASS'S INITIAL DESIGN CONCEPT WAS TO CREATE A SMALL, FAST, MANEUVERABLE SHIP, USING THE SAME MAJOR POWER, PROPULSION, SENSOR, SUPPORT, AND DEFENSIVE SYSTEMS AS THE LARGER CONSTITUTION CLASS. THE SHIP'S PRIMARY MISSION WAS TO BE NEAR-SPACE PATROLS INSIDE FEDERATION TERRITORY, PROVIDING SEARCH AND RESCUE, DISASTER RELIEF, LIGHT RAPID TRANSPORT, INTERDICTION, AND PEACEKEEPING SERVICES TO FEDERATION MEMBERS, COLONIES, AND OUTPOSTS.

### BEHIND THE SCENE

IN APPROXIMATELY 1980, I WAS GIVEN A COPY OF FRANK J. PROSPE's CLASS SHIP FLEET TECHNICAL MANUAL, AND A SET OF HIS OWN CONSTITUTION CLASS BLUEPRINTS. THE PUBLICATIONS CHANGED MY LIFE, INSPIRING ME NOT ONLY TO CREATE MY OWN STAR TARD SHIP, BUT TO PURSUE A CAREER AS A CONSTRUCTOR. THIS HAND-DRAWN PLAN SET WAS MY FIRST REGISTRY, DRAWN BY TRACING ELEMENTS FROM THE CONSTITUTION CLASS PLANS WITH A LIGHT UPDRAWING DEVICE, A CHILD'S LIGHT TABLE MARKING. IN THE 1970S, I OBTAINED A FEED BACK LETTER FROM THE CANADIAN MARITIME REGISTRY, ADVISING THAT MY PLAN SET WAS NOT ELIGIBLE FOR REGISTRY. NUMBER OF NCC-130 FROM ALBANY, AND NAMED MY FICTITIOUS STARSHIP US DISCOVERY, AFTER ONE OF NASA'S SPACE SHUTTLE ORBITERS, WHICH AT THE TIME HAD NOT YET BEEN FLOWN IN SPACE (DISCOVERY OF P-103 FIRST LAUNCHED ON AUGUST 31, 1984).

THESE PLANS ARE IMAGES OF THE ORIGINAL SET, SCANNED IN 2021, EXCEPT FOR THE SHIP'S PARTICLES, WHICH I HAD NOT INCLUDED IN THE ORIGINAL SET. THESE I CREATED BY AUTOCAD IN 2021, PRINTED ON PAPER, AND TRACED USING THE SAME TECHNIQUES I USED TO CREATE THE REST OF THE PLAN SET ABOUT FORTY YEARS AGO. AND, I TRACED THEM USING THE SAME LIGHT UP DRAWING DEVICES I USED IN THE 1980s. TO PROVIDE A HINT OF THE PLAN SET'S BLUE PINK TARTAN MATCHED MY USED TO BE A 1980S YOUNG MAN'S FAVORITE COLOR.

YEARS AGO, THOUGH.

**DESIGN CONCEPT:**

[illegible]

#### BEHIND THE SCENES

[illegible]

## DESIGN CONCEPT

THROUGHTOUT THE 2260S AND 2270s, WITH MANY MISSIONS TO PROTECT AND SERVE, THE FLIGHT POOL FOUND IT NEARLY IMPOSSIBLE TO UPGRADE THE CAPABILITIES OF VIRTUALLY EVERY CLASS OF STARSHIP, THROUGH A CONTINUING PROGRAM OF REITS AND OVERHAULS. AS THE DISCOVERY CLASS'S ROLE IN STAR FLIGHT NEAR-SPACE OPERATIONS EXPANDED TO COVER MORE AND MORE DUTIES SECTOR-WIDE, ALMOST FROM THE DAY THE FIRST SHIP WAS COMMISSIONED, ALL SHIPS OF THE DISCOVERY CLASS UNDERWENT REPAIR TO VARIOUS SYSTEMS AT THE END OF EACH ORBITAL CYCLE. HOWEVER, UPGRADING THE SHIPS' MECHANICAL CAUSES AS MANY DIFFICULTIES AS IT SOLVED, LEADING STAR FLIGHT REBID TO PROPOSE A TOTAL OVERHAUL OF THE CLASS IN THE 2280s. THIS UNLIVED CONCEPT INCLUDED A REPLACEMENT OF VIRTUALLY EVERY SYSTEM, TO THE POINT THAT THE SHIP WOULD HAVE BEEN GIVEN ALMOST TO THE SPACEFRAME. THIS PROVED IMPRACTICAL, AND THE CONCEPT WAS ABANDONED BEFORE ANY SERIOUS DESIGN WORK EVER BEGAN.

NEEDS DRAFTING  
TEMPORAL TO GEM

LONG BEFORE I DECIDED TO TRY MY HAND AT DRAWING A STARSHIP IN AUTOCAD, ATTEMPTING TO DRAW A RIBBIT OF THE DISCOVERY CLASS SEEMED LIKE A LOGICAL CHOICE, SO I DESIGNED THE VERSION OF THE SHIP, FIRST BY HAND ON GRAPH PAPER, AND THEN TRANSFERING IT INTO CAD. THE ANGULAR NATURE OF THE DESIGN DOESN'T REALLY FIT WELL WITH THE STAR TREK AESTHETIC, SO I ABANDONED THE IDEA ONCE I HAD COMPLETED THE PLAN SET, BUT I STILL HAVE THE AUTOCAD FILES, AND THEY REPRESENT AN IMPORTANT MILESTONE IN MY PERSONAL DEVELOPMENT AS A GRAPHER AND AS A STAR TREK FAN - THIS WAS MY FIRST ATTEMPT AT DRAWING A STARSHIP OF ANY KIND IN CAD. ALTHOUGH THE RESULTS ARE SOMEWHAT LESS THAN STELLAR (AS IT WERE), THE DESIGN LAYS THE GROUNDWORK FOR FUTURE PROJECTS.

## DESIGN CONCEPT

[illegible]

**FACTED THROUGH**  
 BULLDOG, THE BULLDOG

**REIMAGINING THE SCENE:** AFTER COMPLETING THE REIMAGINED TOS DESIGN OF DISCOVERY DURING THE COVID-19 PANDEMIC, IT WAS ONLY NATURAL THAT I WOULD WANT TO TRY A TRIP PERIT OF THE LITTLE SHIP TO GAIN A MORE EYE-MAKING / DREAM INSPIRATION FOR THE REIT DESIGN FROM ENTERPRISE, AS SHE APPEARED IN THE FIRST THREE TOS MOVIES, AND FROM REUNITS, TAKING MANY SPECIFIC INTERIOR AND EXTERIOR FEATURES FROM BOTH SHIPS, BUT I ALSO DREW INSPIRATION FROM THE TOS SHUTTLECRAFT AND THE ORBERTY CLASS. THE OVERALL LOOK OF THE SHEETS WAS INSPIRED BY THE PUBLISHED TRIP BLUEPRINTS OF THE EARLY 1980S, BUT WITH A MORE SOPHISTICATED MULTI-COLOR AESTHETIC MORE IN LINE WITH MODERN DESIGN AND GRAPHICS SOFTWARE.

No man ever made a great Discovery  
without the exercise of the imagination  
- George Henry Lewes