FITTING & CONSTRUCTION

1.0 PRIMARY COMPONENT FITTING & PROCEDURES

1.1 HULL PLATING

HULL PLATING SHALL BE SUPPLIED BY APPROVED FABRICATION FACILITY, WITH ACCOMPANYING TESTING DATA PRIOR TO INSTALLATION. SHIPPING OF HULL PLATING SHALL BE CONDUCTED BY SCE BY WAY OF SUPPLY VESSELS CONTRACTED THROUGH SCE. PROPER SAFETY AND CARE SHALL BE EXERCISED AT ALL TIMES WHILE TRANSPORTING, HANDLING AND INSTALLING HULL PLATING, ACCORDING TO STARFLEET CONSTRUCTION REGULATIONS. ALL HULL PLATING SHALL BE CLASS G CERAMIC POWDER COAT (STARFLEET FS COLOR SPECIFICATIONS) PRIOR TO INSTALLATION. THE APPROVAL OF PROPOSED FS COLOR CODES SHALL BE DONE PRIOR TO POWDER COATING AND WILL BE THE RESPONSIBILITY OF STARFLEET CORP OF ENGINEERS. SAMPLES SHALL BE TESTED AND APPROVED PRIOR TO CONSTRUCTION COMMENCEMENT. HULL PLATING SHALL BE FITTED WITH GAMMA WELDS (ACCORDING TO SFS 20-2003) PRIOR TO INSTALLATION OF SHIELD GRID OVERLAY. SPECIFIED FITTINGS AND BORE HOLES SHALL BE SHAPED PRIOR TO FULL PLATING FIT AND WELD.

1.2 EXPOSED EQUIPMENT

ALL EXPOSED EQUIPMENT, INCLUDING ASSEMBLY PARTS FOR MOUNTING, SHALL HAVE ACCOMPANYING DOCUMENTATION AUTHORIZED BY RELEASING AGENCIES. EQUIPMENT MARKED "CLASSIFIED" OR "FOR SPECIAL USE ONLY", SHALL HAVE PROPER STAFFING AVAILABLE FOR INSTALLATION. SAFETY AND CARE SHALL BE EXERCISED AT ALL TIMES WHILE TRANSPORTING, HANDLING AND INSTALLING, WITH EXCEPTION FOR PREVIOUSLY MENTIONED EQUIPMENT, TO WHICH AUTHORIZED PERSONNEL SHALL BE ASSIGNED. EQUIPMENT SEALS AND ASSOCIATED PRESSURE RESISITIVE MATERIALS SHALL BE TESTED AND APPROVED PRIOR TO INSTALLATION. SAFETY AND SECURITY PROTOCOLS SHALL BE EXERCISED AT ALL TIMES WHEN HANDLING AND OR INSTALLING ANY CAPACITIVE DISCHARGE EQUIMENT AND SHALL BE UNDER CLOSE SUPERVISION OF STARFLEET FIELD MAINTENANCE DURING FINAL OPERATIONS TESTS.

1.3 ACCESS PORTS, HATCHES AND DOORS

PRIOR TO INSTALLATION, DOCKYARD SUPERVISORS SHALL CONDUCT COMPARTMENT PRESSURIZATION TESTS TO ENSURE THAT STANDARD PRESSURE IS ACHIEVED. ONCE APPROVED, THE AFOREMENTIONED ITEMS SHALL BE CONNECTED TO THE VESSEL'S MAIN POWER SYSTEMS FOR DIAGNOSTIC TESTING, TO ENSURE ALL LATCHING, SHIELDING AND SECURITY SYSTEMS ARE FUNCTIONING WITHIN NORMAL PARAMETERS. SAFETY AND CARE SHALL BE EXERCISED AT ALL TIMES WHILE TRANSPORTING, HANDLING AND INSTALLING ITEMS. A SEPARATE SYSTEMS CHECK SHALL BE PERFORMED AFTER ITEMS HAVE BEEN INSTALLED AND PRIOR TO VESSEL CONSTRUCTION INSPECTION.

1.4 SPARE PARTS

UNLESS SEPARATE FABRICATION SYSTEMS ARE INSTALLED ONBOARD THE VESSEL, SPARE PARTS, INCLUDING HULL PLATING, SHALL BE STORED IN APPROVED COMPARTMENTS AND/OR BAYS ONBOARD AS WELL AS PROPERLY CATALOGUED WITHIN THE VESSEL'S MATERIAL'S MANAGEMENT DATABASE. SHIP'S STORES SHALL BE THE DESIGNATED AUTHORITY FOR HANDLING LOGISTICAL SUPPORT FOR THE VESSEL. IF VESSEL'S ROLE INCLUDES MATERIAL SUPPORT TO A FLEET, THE VESSEL'S STORAGE COMPARTMENTS SHALL BE ORGANIZED ACCORDINGLY TO HANDLE BOTH THE VESSEL AND OTHERS, IF THE NEED ARISES. PROPER STAFFING SHALL BE EXERCISED ACCORDING TO VESSEL MISSION PROCEDURES.

1.5 ORDINANCE

STARFLEET ORDINANCE CORP SHALL OVERSEE INSTALLATION OF ANY ARMAMENT RELATED EQUIPMENT AND SHALL BE THE ONLY AUTHORITY TO INSTALL ORDINANCE PRIOR TO FINAL OPERATIONS TESTS. SAFETY AND SECURITY PROTOCOLS SHALL BE IN PLACE AND ENFORCED BY STARFLEET SECURITY.

1.6 FUELING

AFTER INSTALLATION OF ALL POWER GENERATION COMPONENTS AND FITTING OF APPLICABLE CONDUITS AND CAPACITIVE EQUIPMENT, STARFLEET SHALL DISPATCH A REFUELING VESSEL TO FILL THE PRIMARY DEUTERIUM TANKS TO CAPACITY, ENSURING OVERFLOW VALVES ARE NOT TRIPPED. ANTI-DEUTERIUM (ANTIMATTER) CONTAINMENT PODS SHALL BE LOADED WHILE THE VESSEL MAINTAINS A SAFE DISTANCE FROM THE SHIPYARDS. SPACE TUGS SHALL BE DISPATCHED TO MOVE THE VESSEL TO A DESIGNATED AREA FOR SAFE PROCDEDURES TO BE INTIATED. ONCE ANTIMATTER CONTAINMENT PODS HAVE BEEN SAFELY LOADED, CHECKED FOR INTEGRITY AND INITIATED FOR STARTUP, VESSEL OPERATIONS MAY RESUME AT THE SHIPYARDS FOR FOLLOW-UP PHASE INITIATION. WARP ENGINE TESTS SHALL BE INITIATED ACCORDING TO STARFLEET PROPULSION PROCEDURES.

1.7 SHIELDING

DUE TO THE SENSITIVE NATURE OF THE SYSTEMS, ALL DEFENSIVE SHIELD GENERATORS SHALL BE PLACED IN STANDBY STATUS AFTER INSTALLATION UNTIL ALL OTHER SHIELDING SYSTEMS ARE TESTED WITH DEFENSE PROTOCOLS IN PLACE. ALL GENERATORS SHALL BE TESTED AT MAXIMUM CAPACITY FOR A PERIOD OF NO MORE THAN 2 STANDARD HOURS. ENGINEERING STAFF SHALL MONITOR ALL SYSTEMS FOR INTEGRITY AND ENERGY OUTPUT.

1.8 COMPUTERS

PRIMARY COMPUTER CORE SHALL BE INSTALLED AND PLACED INTO DIAGNOSTIC MODE UNTIL ALL PRIMARY SYSTEMS COMPONENT CONTROL MONITORS HAVE BEEN INSTALLED AND POWERED ON. LCARS SUBROUTINES SHALL BE INITIATED AFTER ALL OPERATIONAL STATIONS REPORT NORMAL OPERATION. ACTIVE SCANNER EQUIPMENT SHALL BE PLACED INTO DIAGNOSTIC STANDBY ONCE INSTALLED AND ATTACHED TO MAINFRAME SYSTEM PORTS.

1.9 ENVIRONMENTAL

CRITICAL VENTILATION, OXYGEN SUPPLY AND TEMPERATURE CONTROL SYSTEMS SHALL BE INSTALLED FIRST, FOLLOWED BY INSPECTION AND TESTING OF COMPARTMENT PRESSURIZATION SHALL BE CONDUCTED AFTER CONSTRUCTION COMPLETION.

2.0 HABITABLE COMPARTMENTS

CREW, RECREATION, AND DINING COMPARTMENTS SHALL BE CONSTRUCTED AND ACCOMODATING TO INCOMING CREW DURING THE SECOND PHASE OF REFIT TO ALLOW FOR TEMPORARY QUARTERS AND ACCOMODATIONS UNTIL FINAL INSPECTION COMPLETE. ENVIRONMENTAL SYSTEMS SHALL BE IN PLACE AND ONLINE FOR ANY COMPARTMENTS INSPECTED AND APPROVED BY THE SHIPYARD PROJECT INSPECTOR. COMPARTMENTS SHALL BE PRESSURIZED, CHECKED AND MONITORED IF OCCUPIED.

2.1 SPECIALTY COMPARTMENTS

COMPARTMENTS DESIGNATED FOR RESEARCH, MEDICAL, FABRICATION OR OTHER SPECIALIZED DUTY, SHALL BE IN PLACE, AND ONLINE AFTER INSPECTION AND APPROVAL BY THE SHIPYARD PROJECT INSPECTOR. CAUTION SHALL BE EXERCISED AT ALL TIMES WHEN HANDLING AND OR INSTALLING ANY CAPACITIVE DISCHARGE EQUIPMENT AND SHALL BE UNDER CLOSE SUPERVISION OF STARFLEET FIELD MAINTENANCE DURING FINAL OPERATION TESTS.

3.0 MISCELLANEOUS NOTATIONS

A THREE SHIFT ROTATION SHALL BE IN PLACE FOR ALL CONSTRUCTION, TESTING AND INSPECTION PERSONNEL DURING ALL PHASES OF VESSEL CONSTRUCTION OPERATIONS.

ALL SYSTEMS SPECIFIC EQUIPMENT SHALL BE INSPECTED, TESTED AND APPROVED BY THEIR RESPECTIVE AGENCIES PRIOR TO SHIPMENT AND INSTALLATION ABOARD THE VESSEL. ALL APPROPRIATE DATA SHALL BE FILED WITH THE DOCKMASTER AND SHIPYARD PROJECT INSPECTOR.

ANY AND ALL AMENDED CHANGES THAT MAY OCCUR DURING CONSTRUCTION SHALL BE FILED WITH STARFLEET CORP OF ENGINEERS PRIOR TO IMPLEMENTATION INTO FINAL CONSTRUCTION DOCUMENTS.