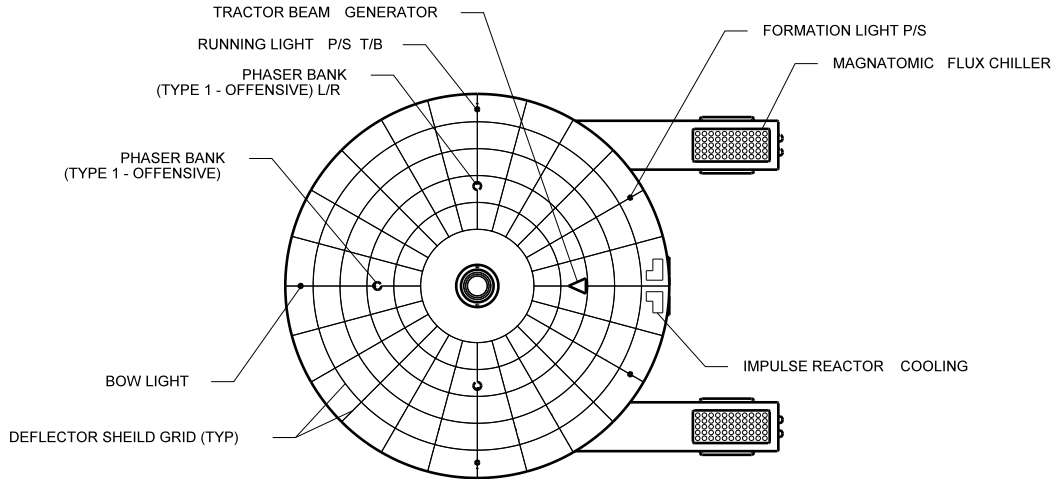


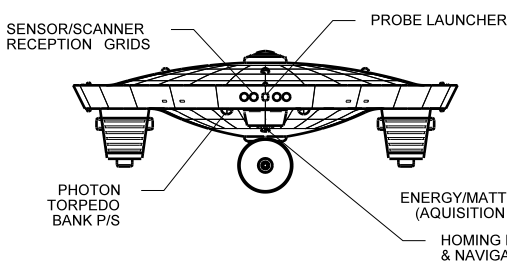
FEDERATION *BURKE* -CLASS FRIGATE (FF)

3D MODEL AND DRAWING BY: W.E.McCAMMON

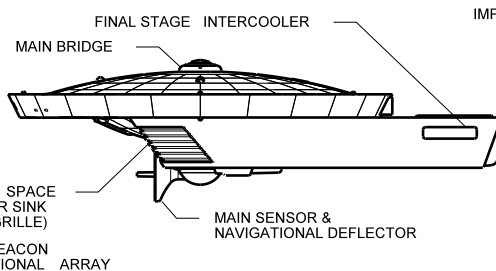
CONFIGURATION AS-PROPOSED, Y127



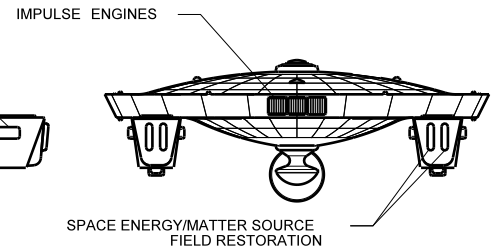
DORSAL PLAN VIEW



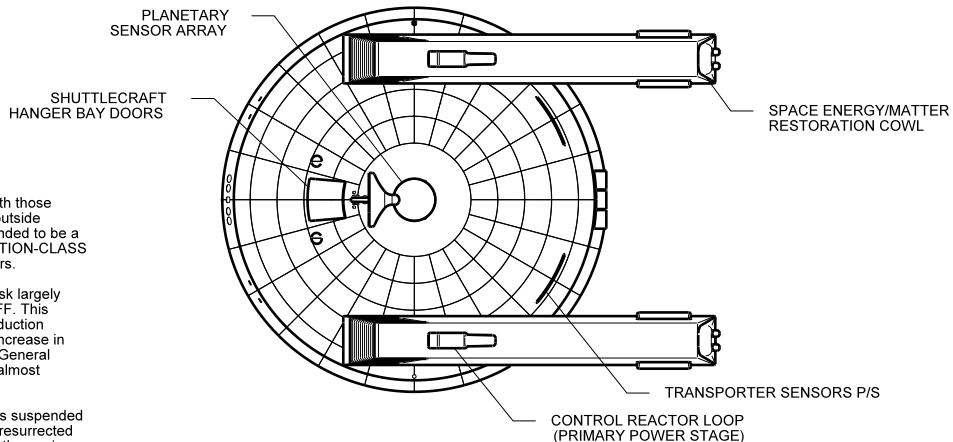
FWD ELEVATION VIEW



PORT SIDE ELEVATION VIEW



AFT ELEVATION VIEW



VENTRAL PLAN VIEW

CLASS HISTORY:

A successor to the YFF Early Frigate and (as with those vessels) designed by Star Fleet rather than an outside supplier, the BURKE-CLASS Frigates were intended to be a smaller, cheaper stable-mate to the CONSTITUTION-CLASS Heavy Cruisers and SALADIN-CLASS Destroyers.

The first conceptual designs used a main hull disk largely similar in size and loft to the one used for the YFF. This saved on tooling investments and improved production efficiency (a fact that helped greatly during the increase in production required to sustain the losses of the General War). The internal arrangement of the hull was almost completely new.

While the old YFF frigate design had the engines suspended over the primary hull on a yoke (a concept later resurrected for the NCL) the decision was made to suspend the engine nacelles beneath the hull on the new class to simplify systems integration and slightly improve the firing arcs of the side phasers.

The Naval Construction Board of Star Fleet first intended the frigates to use new, SW42/1-L10 "linear" warp drive nacelles proposed by Yoyodyne Propulsion Systems of Whorf-10. Roughly rectangular, with a grille-type Bussard intake, these engines differed greatly from the standard "circumferential" engines in common use by Star Fleet. Delivered nearly a year late for acceptance testing, the engine also failed to live up to Yoyodyne's performance claims. This combined with the lack of spare parts commonality with the SW40/5-1KT engines used on the larger ships led to their replacement with the Vulcan-designed SW46/1-4LT engines (a scaled-down version of their SW40's).

With the new engines and some additional refinements, the prototype ship U.S.S. BURKE was approved for construction in Y129 (SEE PAGE 2).

STD. SHIP'S COMPLEMENT:		PARTICULARS:	
OFFICERS (COMMAND)	41	DEADWEIGHT TONNAGE-METRIC	60,000
CREW (ENLISTED)	89	STD. RANGE	6 YEARS AT L.V.V.
TOTAL	130	MAX. SAFE CRUISING SPEED	W/F 6
		EMERGENCY SPEED	W/F 8
		MAIN PHASERS (TYPE 1-OFFENSIVE)	3
		PHOTON TORPEDO TUBES	2
		LENGTH OVERALL-METERS	124.24
		BREADTH OVERALL-METERS	96.01
		HEIGHT OVERALL-METERS	35.33
		WARP ENGINE LENGTH OVERALL-METERS	94.092
		WARP ENGINE BREADTH OVERALL-METERS	35.71
		WARP ENGINE(S)	2 x SW42/1-L10
		IMPULSE ENGINES(S)	3 x NPI-U_MK9