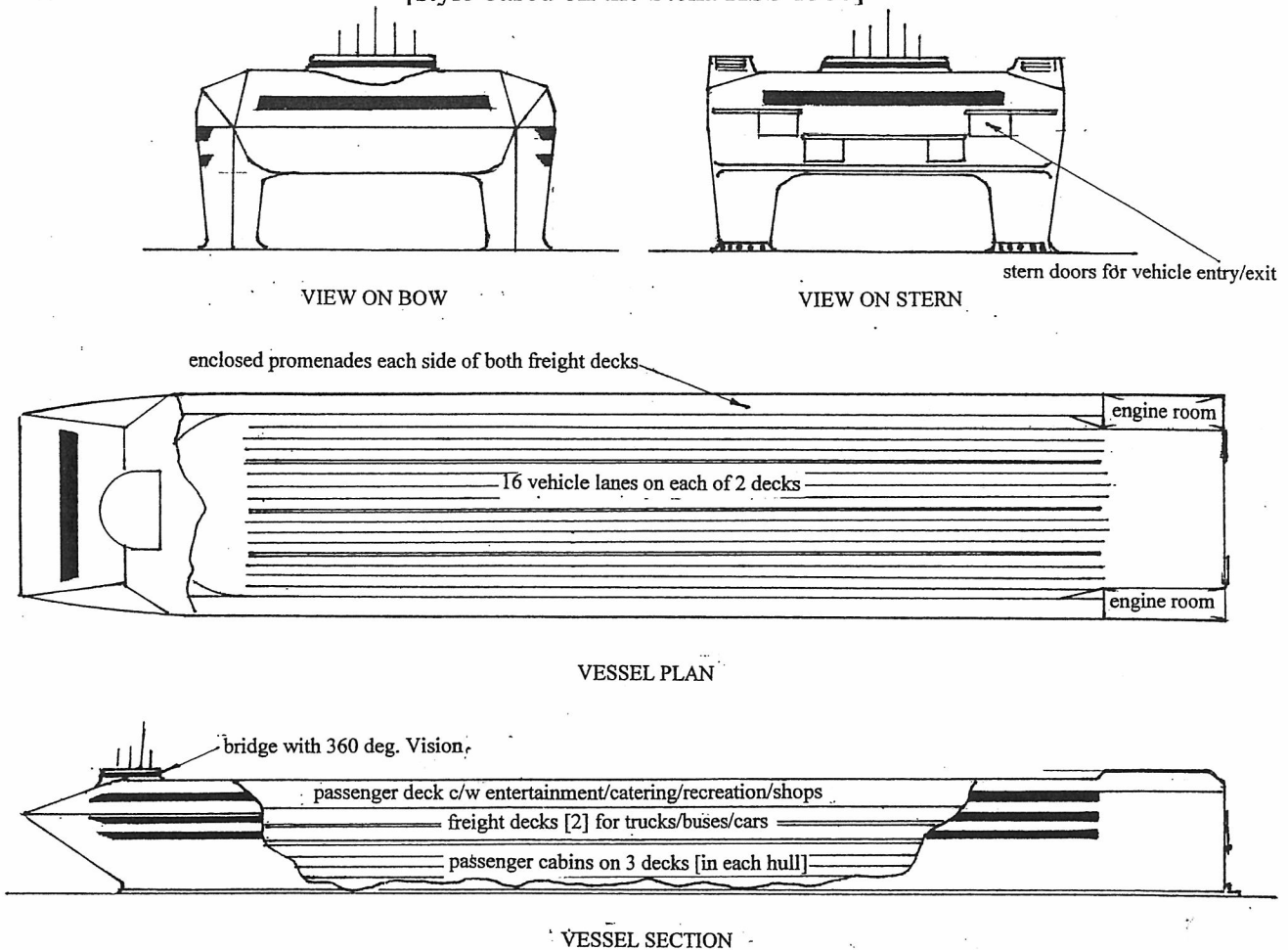


THE OCEAN GOING GLOBAL FAST FERRY

Concept designed by J Varney April 12th. 2007
[style based on the Stena HSS 1500]



VESSEL DATA

Construction: Aluminum and some components of carbon composites.

Vessel Type: Twin hull catamaran propelled by motor driven water jets.

Dimensions: O/A length – 1200 feet. Beam – 225 feet. O/A height – 125 feet.

height of bow – 80 feet. Tunnel height [water clearance] – 50 feet.

Displacement: 50,000 tons. [c/w roll on roll off freight and passengers].

Freight: Trucks/buses/cars with a total of 30,000 lane feet on two main decks.

Passengers: 4,000 with utility cabins [bunks/w.c./sink/shower] on 3 hull decks.

Engines: 2 “Large Plasma gas Turbines”, each rated at 150MW of electric power.

Ships services power: 2 “Small Plasma Gas Turbines”, each rated at 10 MW

Propulsion: 10 motor driven water jets [5 per hull], each rated at 30 MW.

Vessel’s service speed 70 knots. Total hydrogen rate [plasma], – 492 lbs/hour.

Liquid hydrogen tankage for a vessel range of 20,000 miles – 123,000 lbs [27,800 cu.ft.]

Reverse osmosis plant rated at 400,000 gallons per day, in each hull.

FIG.1