

# HSLC

## 15m Coastal Ferry



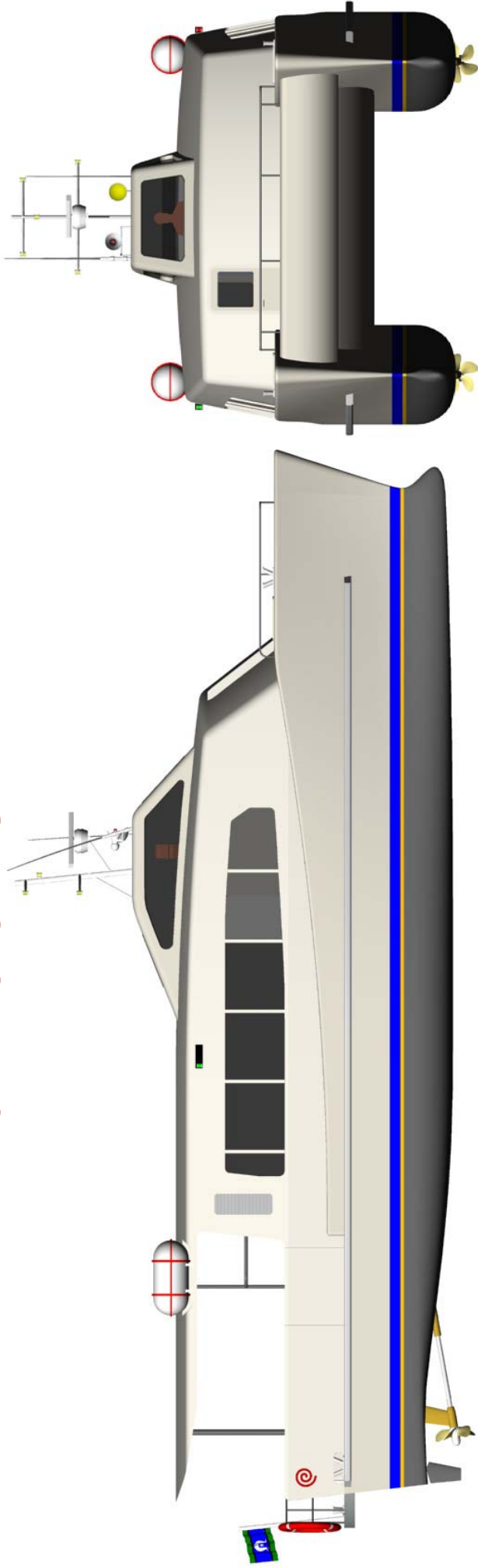
**Mark Williamson Design**

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# 15m COASTAL FERRY



## PRINCIPAL DATA

LOA : 15.30m  
LWL : 14.20m  
Beam : 5.80m  
Draft : 0.80m  
Construction: Hand Laid GRP  
Main Engines: 2 x Cummins 6BTA5.9M  
194kW @ 2600rpm  
Gearbox: 2 x ZF220 (2.4:1)  
Propulsion: 2 x 28" FPP  
Fuel : 2 x 1000lts  
Freshwater: 200lts  
Speed : 25 knots  
Passengers: 32 + 17 aft deck  
Crew : 2



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# 15m Coastal Ferry

# Vessel Description

**VESSEL TYPE:** Mid-Engine, round bilge semi-swath Catamaran for coastal applications

**SURVEY AND CLASSIFICATION:**

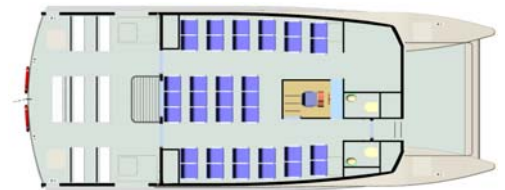
The vessel shall be classed Det Norske Veritas (DNV) with the notation  $\nabla$ 1A1 HSLC R4 Passenger, EO, shall comply with the requirements of Queensland Survey USL 1C

**STRUCTURE:** Solid GRP construction.

**OUTFIT AND FINISHING:** The vessel shall be laid out as per the general arrangement drawings and all fittings and equipment required for the operation of the vessel shall be supplied.

**LAYOUT**

Internal Main Deck: Passenger Seating for 32 (850mm pitch), luggage racks 2.5x0.9m, wheelhouse, kiosk, 2 x toilet fwd.  
Main Deck Aft: alloy bench seating for 17



**FITOUT**

Floors: Main Access, WHS, : "Aquadeck"  
Internal Passenger Space : 100% Wool Carpet  
External Decks : Non-skid paint  
Linings: Sides: Aluminium honeycomb panels (Ayrlite)  
Bulkheads: Aluminium honeycomb panels (Ayrlite)

**AIR CONDITIONING SYSTEM:** Reverse cycle system is based on an water cooled compressor nit linked up to a multiple number of fan coil units. Design of the system shall be based upon an ambient operating temperature of 35°C (95% RH) and sea water of 30°C. Crew spaces to be cooled/heated to 21°C (50% RH).

**NAVIGATION and COMMUNICATION EQUIPMENT:**

Furuno Model 1510 15" Radar with 6ft antenna 15mtr cable ARP17 Plotter GCY8 Gyro converter  
JMC 1400 Dual frequency sounder 50/200 1kw  
JMC NP-30NT with GPS ANTENNA  
ICOM-IC-M700 complete with tuner and Banten HF antenna  
Icom IC-M502 VHF Radio with Banten antenna  
Sailor C2906 Inmarsat C VMS unit  
KVH Trac phone Inmarsat M  
Navicontrol Autopilot 3003 Gold with second station  
Cetrek "Poseidon" compass  
Den Haan DHR CS-220 Searchlight



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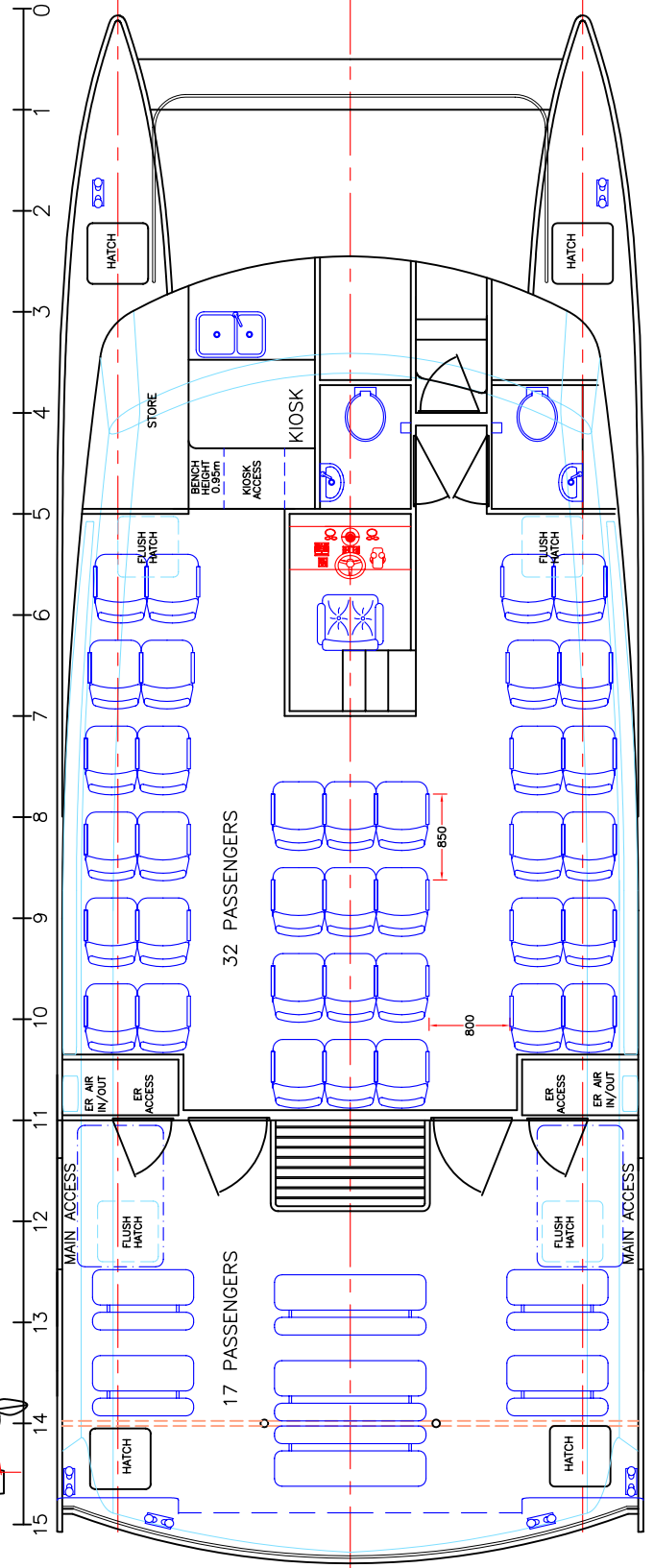
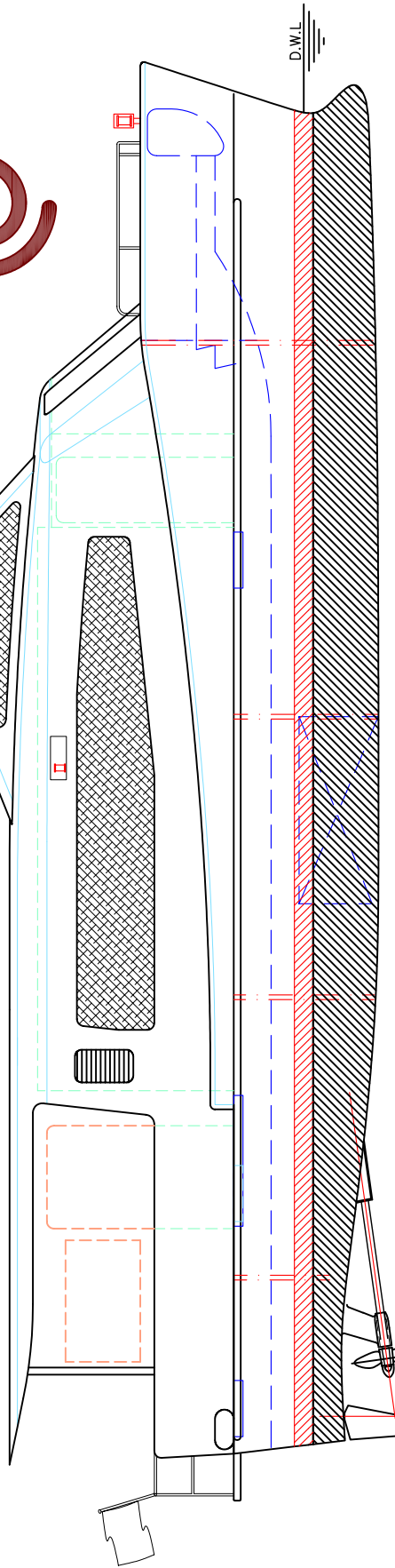
# 15m COASTAL FERRY

## 49 PASSENGERS 26 KNOTS



**MAIN ENGINES:** 2 x CUMMINS 6BTA5.9-M  
 194kW @ 2600rpm  
**GEARBOX:** 2 x ZF 280 (2.478:1)  
**PROPULSION:** 2 x 28" 4 BLADE FPP  
**MAX SPEED:** 26knots  
**PASSENGERS:** 32 + 17 aft deck

**LOA:** 15.3m  
**LOP:** 14.2m  
**BEAM:** 5.8m  
**DRAFT:** 0.8m  
**FUEL:** 2 x 1000lts  
**WATER:** 200lts



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15m CATAMARAN FERRY

TITLE: GENERAL ARRANGEMENT

DWG No: P15C-100

SCALE:

DATE: 9/2/2004

DRAWN: MDW