



ROAD FERRY 8117

ISLAND DISCOVERY & ISLAND AURORA

GENERAL

Yard number(s)	539313+539314
Hull material	Steel
Basic functions	Passenger Car Ferry
Flag	Canadian
Classification	Bureau Veritas I +HULL +MACH, ro-ro passenger ship, coastal area, AUT-CCS, CLEANSHIP, NDO (1 day), Green Passport, COMF VIB & NOISE, with a rating of 2 for accommodation, InWaterSurvey, Battery System

DIMENSIONS

Length overall	80.80 m
Beam molded	17.00 m
Depth to main deck molded	5.70 m
Design draught	3.30 m
Gross Tonnage	2277 t

TANK CAPACITIES

Fuel oil	65 m ³
Lube oil	9 m ³
Fresh water	30 m ³
Sewage	30 m ³
Technical fresh water	30 m ³

PERFORMANCES

Speed (at design draught)	14 kn
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PROPULSION SYSTEM

Propulsion	2x 900 kW twin-propeller thruster units, electric drive
Propeller	2x 1850 mm ice strength fixed pitch

AUXILIARY EQUIPMENT

Main genset power	2x 1500 kWe, 690V, 3ph / 60 Hz @ 1,200 rpm
Energy storage system	800 kWh Li-Ion battery bank
Emergency genset power	155 kWe, 690V, 3ph / 60 Hz @ 1,800 rpm

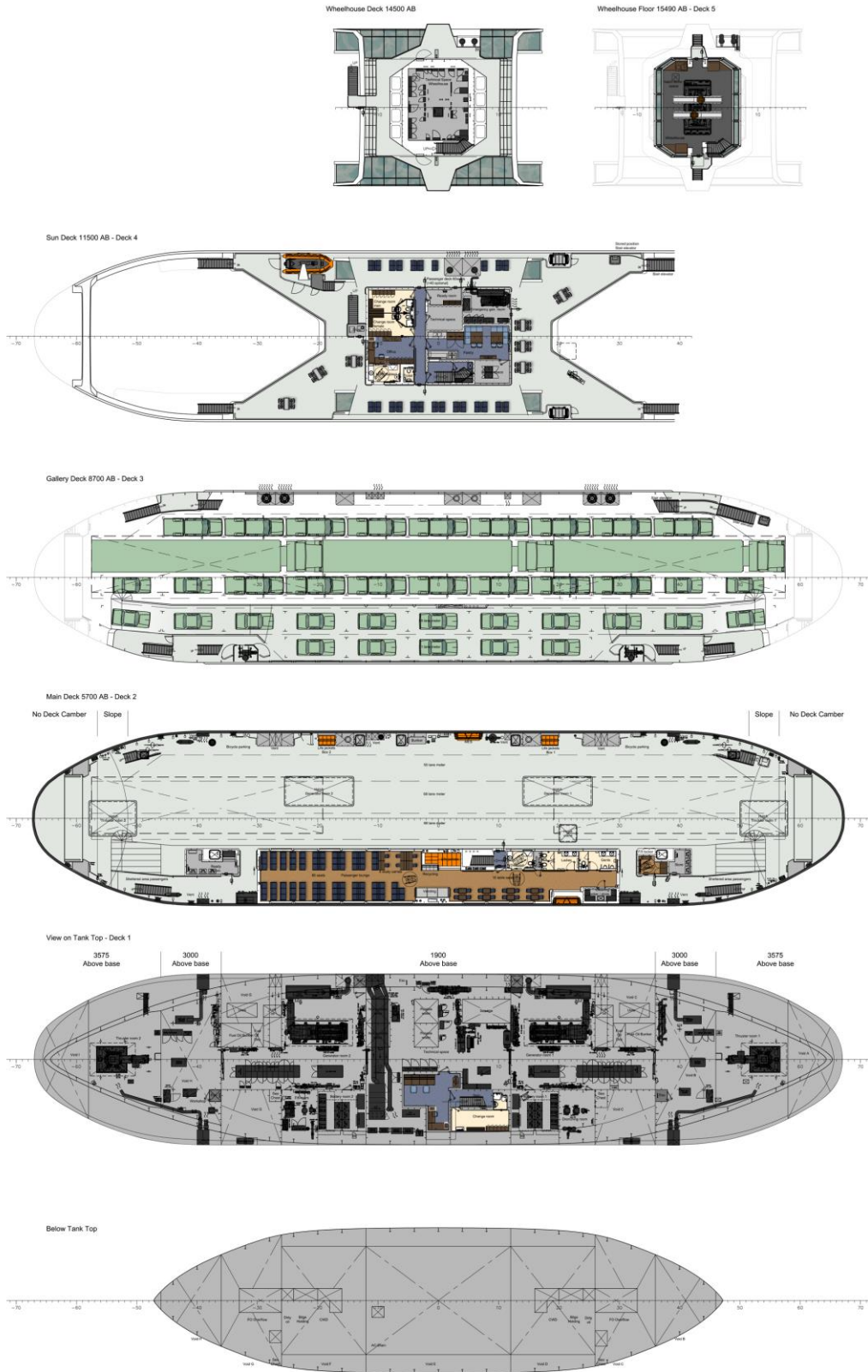
ACCOMMODATION

Passengers	450
Inside passenger lounge	101 seats
Outside passenger lounge	40 seats
Toilets passenger lounge	2 + 1 accessible toilets
Toilet sun deck	1 accessible toilet
Crew accommodation	1 mess room + pantry, 1 ships office, 1 male changing room and 1 female changing room
Cars on main deck	31
Car lane length – main deck	193 m
Trailers on main deck	2
Trailer lane length – main deck	68 m
Cars on car deck	16
Car lane length – car deck	99 m

NAUTICAL AND COMMUNICATION EQUIPMENT

Wheelhouse equipped with nautical and communications equipment according to national Authorities and owner's requirements.

S- band and X-and radars, ECDIS, Autopilot, Echo sounder, Speed log, GPS navigator, Gyro compass, Magnetic compass, Public address, CCTV, Navtex, AIS, LRIT, VHF, UHF, GDMSS 2, Infotainment system



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