



## VESSEL OVERVIEW

Vessel Type:	Aluminium Monohull Fast Multi-Role Support Vessel
Built By:	Malasian Shipyard
Classification:	BV I ✱ HULL • MACH, Crew Boat, Sea Area 3
Safety Regulation:	BV and relevant flag state requirements
Regs, Codes, Guidelines:	MARPOL, SOLAS, IMDG

## HULL PARTICULARS

Length Overall:	42.00 m
Breadth Moulded:	8.00 m
Depth Moulded:	3.98 m
Design Draft (hull):	1.90 m
Design Draft (to the lowest tip of props):	2.02 m

## CARGO DECK

Clear Deck Area:	110 sqm
	(can fit 4 x 20-ft shipping containers)
Deck Dimensions:	18.6 m x 6.0 m
Deck Cargo Capacity:	60 MT
Deck Strength:	2.5 MT / sqm
Cargo Railing Height:	1.0 m

## TONNAGE

GRT:	Est. 332 MT
NRT:	Est. 99 MT
DWT:	Est. 151 MT

## PROPULSION EQUIPMENT

Make & Model:	3 x Caterpillar C32 ACERT IMO Tier II
	@ 1450 BHP each
Total Propulsion Power:	4500 BHP
Propellers:	3 x fixed pitch, Ni-Al-Bronze, 5 blades
Bow Thruster:	1 unit electric-driven @ 95 kW

## PERFORMANCE (BASE SPEC)

Maximum Speed:	29 knots @ 100% MCR
Maximum Fuel Consumption:	878 L/hr
Economical Speed:	27 knots @ 85% MCR
Economical Fuel Consumption:	729 L/hr

## GENERATORS

Make & Model:	3 x Caterpillar C4.4
	@ 86 kW each
Vessel Power Supply:	415/220 Volt AC, 50 Hz, 3-phase + 24 Volt DC
Shore Power / Reefer Sockets:	1 / 4

## SAFETY EQUIPMENT

Life Rafts:	8 x 25-man as per SOLAS
Life Jackets:	93 on board as per SOLAS
Life Buoys:	8 on board as per SOLAS
Scrambling Nets:	2 units
Other Equipment:	Pyrotechnics, line-throwing apparatus
Rescue Zone:	Port and Starboard

## EMERGENCY RESPONSE FEATURES

1 x external FiFi monitor with remote clutch and control @ 1200 cbm per hour  
Aerosol fire extinguishing system  
SOLAS rescue boat with davit

## ACCOMMODATION AND STORAGE

### MAIN DECK (FOR PAX)

Passenger Seats:	Business Class Recliners, 72 pax (with personal USB charging ports)
Seating Layout:	2 by 2 (2 seats per row)
Seat Pitch:	1050 mm
Passenger Toilets:	3 x WC cubicles with showers (with toilet availability indicator lights)
Passenger Shower:	1 x shower cubicle
Entertainment System:	2 x LCD TV screens
Passenger Lounge with Amenities:	Fitted
Stowable Stretcher Stand:	Fitted

### BELOW MAIN DECK (FOR CREW)

Crew Cabins / Total Bunks:	6 / 12 (2 x 1-man, 3 x 2-man, 1 x 4-man)
Crew Toilet:	1 x WC cubicle with shower
Entertainment System:	1 x LCD TV screen
Integrated Stairwell:	Fitted
Mess and Galley:	Fitted
Washer and Dryer:	Fitted
Separate Walk-in Freezer and Chiller:	Fitted
Dry Store:	Fitted

## ELECTRONICS AND CONTROLS

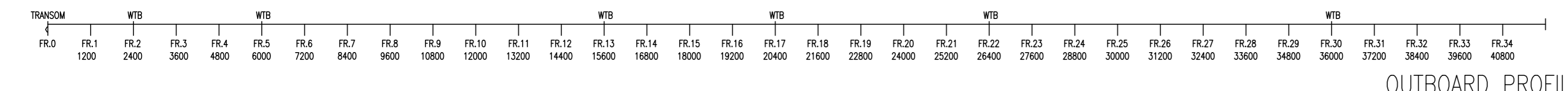
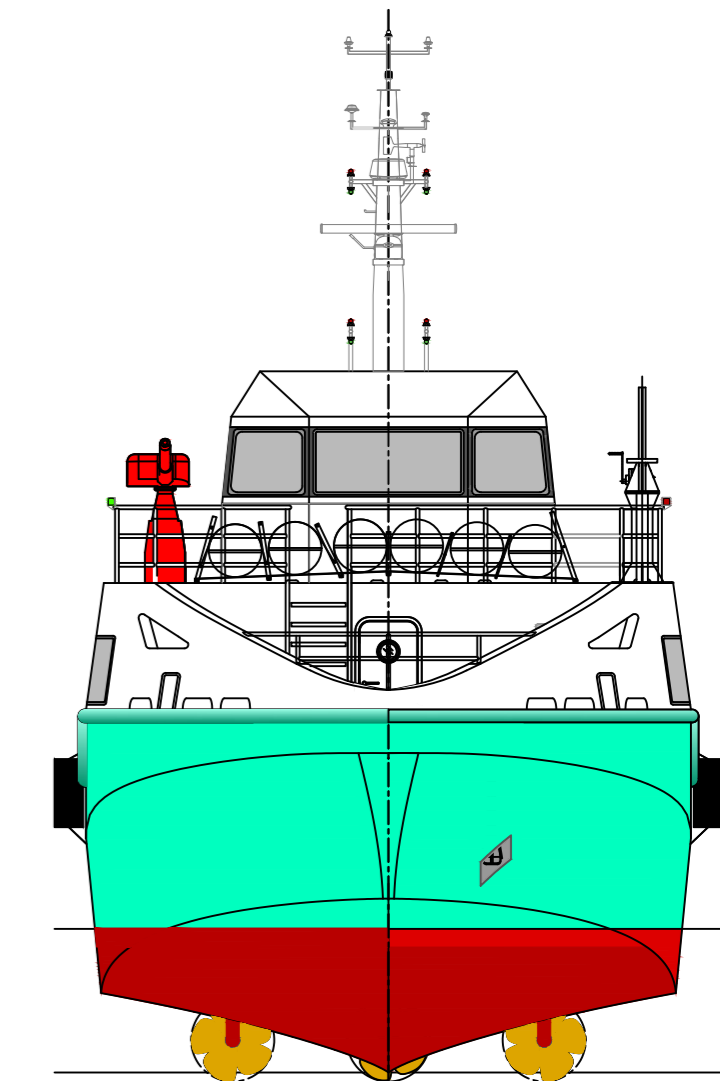
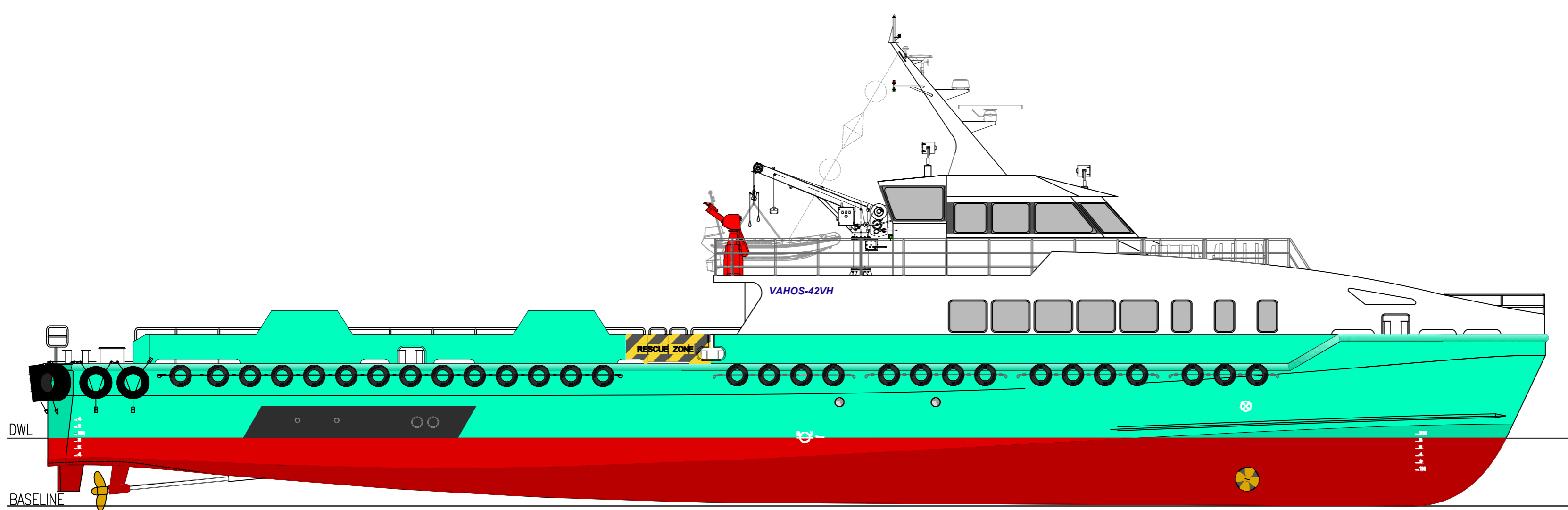
GMDSS:	Sea Area A3
VHF:	Sailor 7222
MF/HF Radio:	Sailor 6310
SSB Radio:	Icom IC-M710
BNWAS:	LeGuardian2025
Marine Radar:	Simrad R3016 + 4G/NSS12EV03
GPS:	Simrad P3007
Depth / Echo Sounder:	Simrad S3009
Autopilot:	Simrad AP70 MK2
Satellite Compass:	Comnav G2
Magnetic Compass:	Riviera 6"
Navtex:	JMC NT1800
Public Address / Intercom System:	Phontech CIS-3130
Search Lights:	3 x 1000W
EPIRB:	McMurdo G8 + AIS EPIRB Auto
SART:	McMurdo S5A
AIS:	Simrad V5035
Speed Log:	Simrad R1A
CCTV:	12 units fitted (5 x exterior, 4 x interior, 2 x engine room, 1 x bow thruster room)

## TANK CAPACITIES

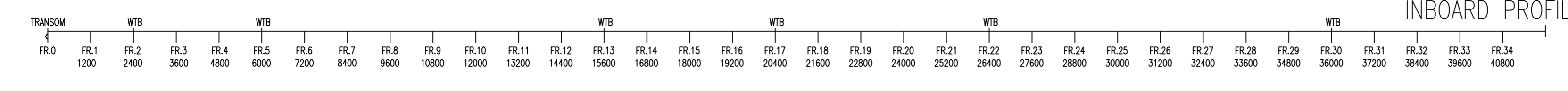
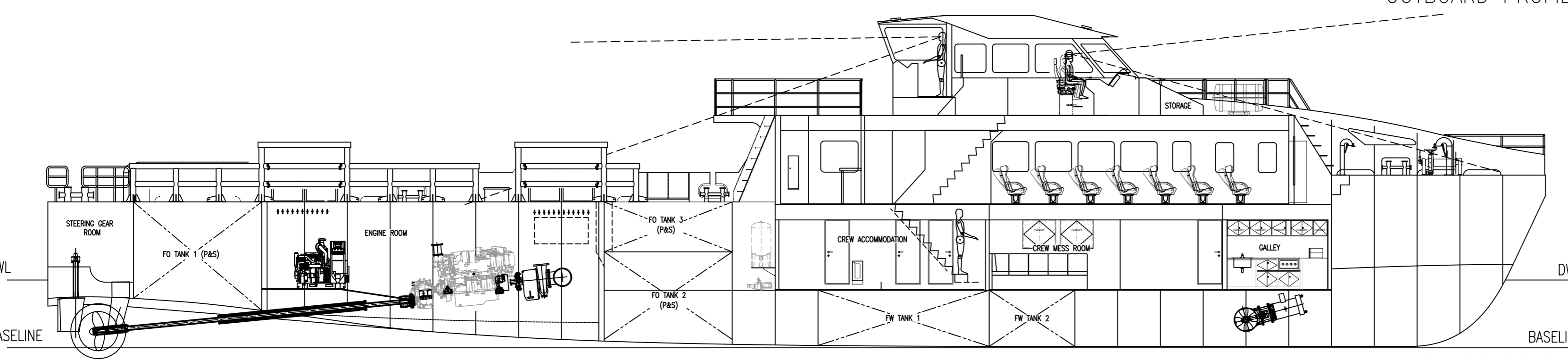
Fuel Oil:	75,600 L
Fresh Water:	20,000 L
Grey Water:	747 L
Lube Oil:	800 L
Fuel Oil Sludge:	600 L
Fuel Oil Purifier:	Heavy duty, self-cleaning unit fitted
IMO-Approved Sewage Treatment Plant:	Fitted for 15 pax
IMO-Approved Oily Water Separator:	15 ppm
Bunker Flowmeter:	Fitted

## OWNER'S OPTIONS (NOT INCLUDED IN BASE SPEC)

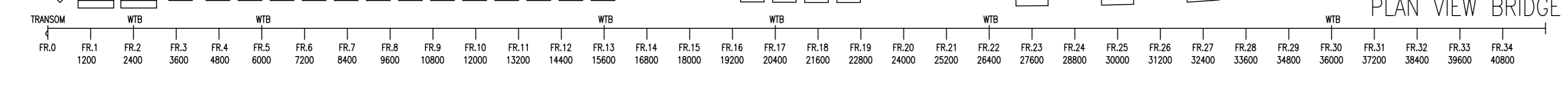
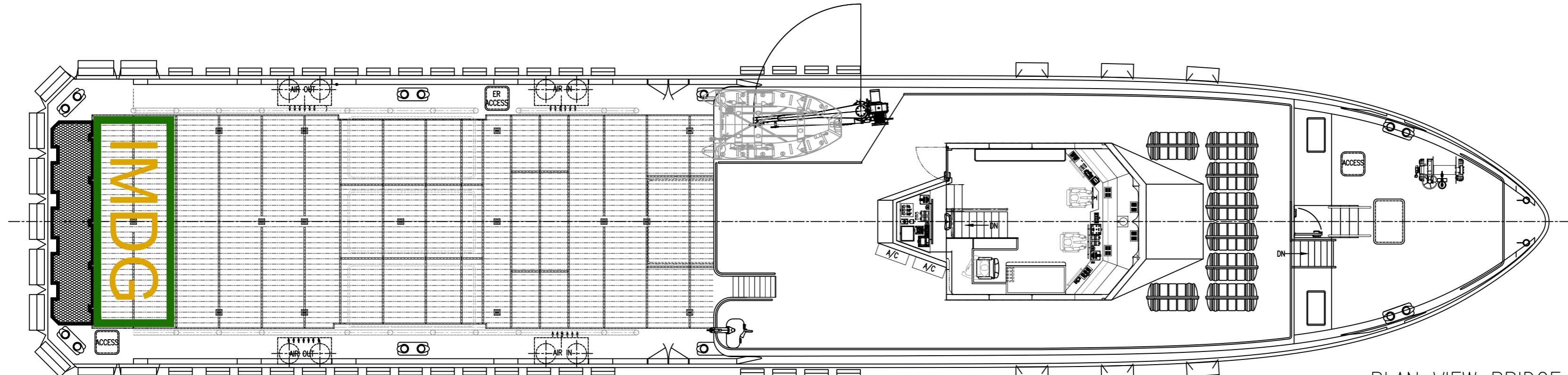
Option: Deck Crane (plug-and-play, delivery lead times apply)  
Option: Gyro Stabiliser (plug-and-play, delivery lead times and speed impact apply)  
Option: Electronic Fuel Management System (plug-and-play, delivery lead times apply)



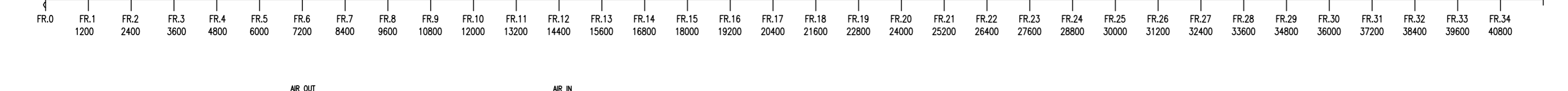
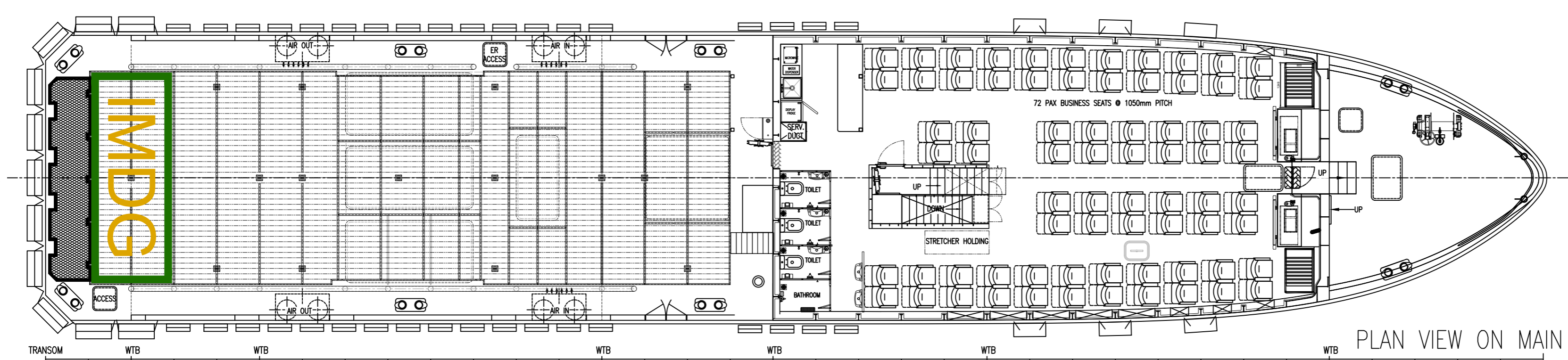
OUTBOARD PROFILE



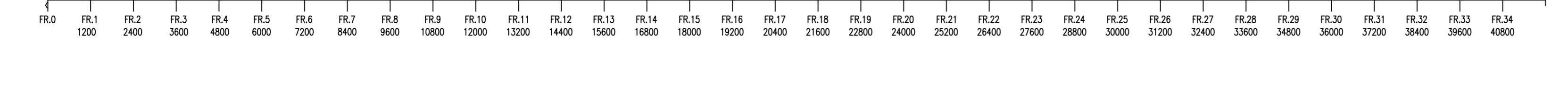
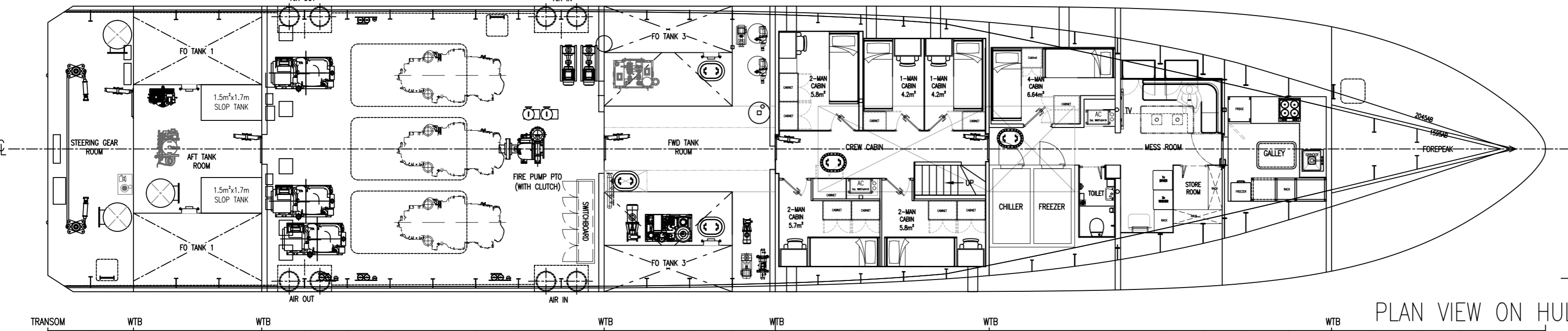
INBOARD PROFILE



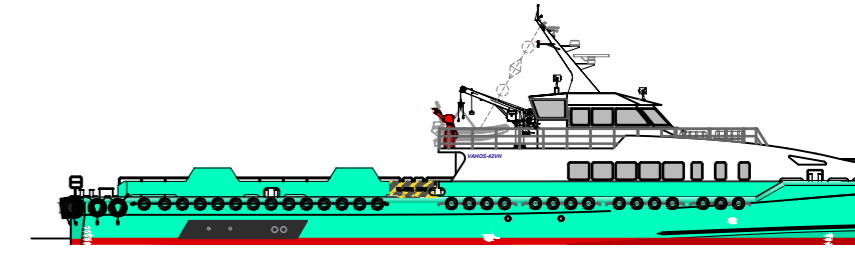
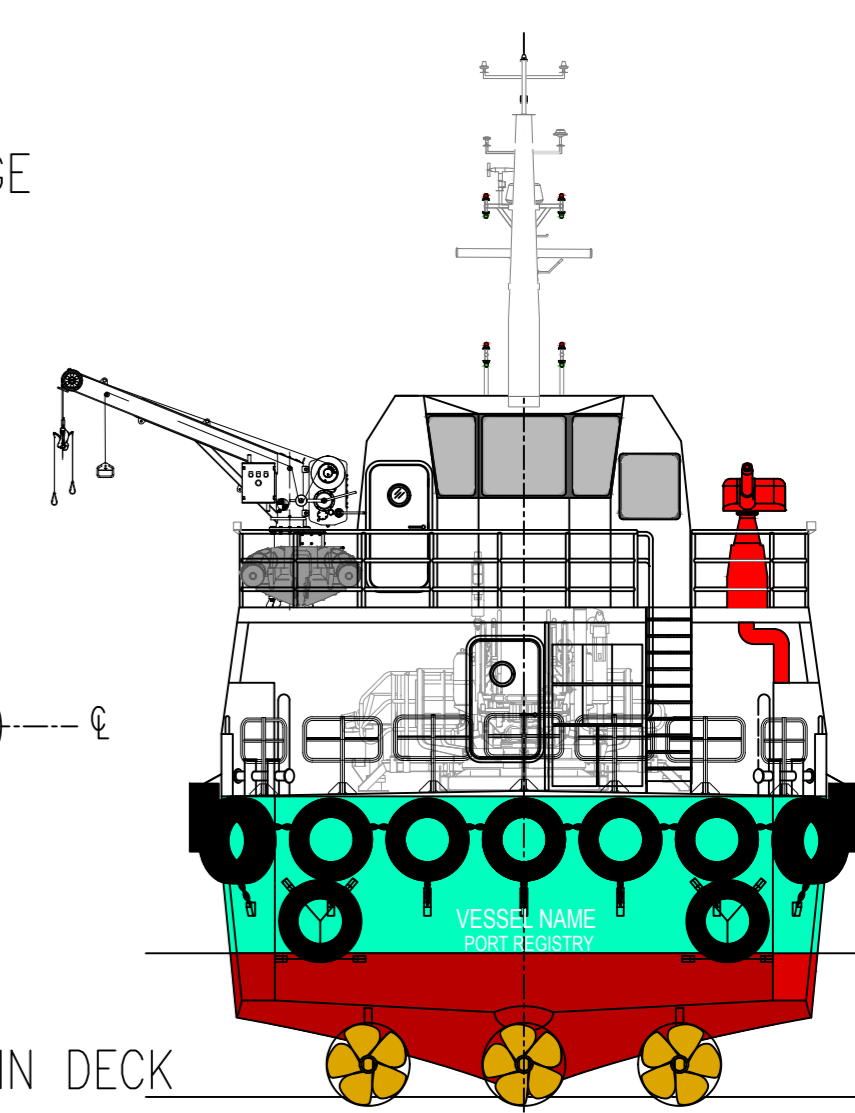
PLAN VIEW BRIDGE



PLAN VIEW ON MAIN DECK



PLAN VIEW ON HULL



PRINCIPAL PARTICULARS			
LENGTH OVERALL:	42.0 m	FUEL:	75 600 L
LENGTH WATERLINE:	40.6 m	FRESH WATER:	20 000 L
BREADTH MOULDED:	8.0 m	GREY WATER:	747 L
DESIGN DRAFT:	1.9 m	MAIN ENGINES:	3 x CAT C32 @ 1450 BHP each
PAX CAPACITY:	72 BUSINESS CLASS	SPEED @ 35MT DWT 100% MCR:	29 knots (without gyro stabiliser)
CREW:	12		

CLASSIFICATION	
NOTATION:	BV I * HULL • MACH, CREW BOAT SEA AREA 3 (max wave 3m)

**PRELIMINARY**

**VAHOS**  
Group of Companies

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Project: **VAHOS-42VH**

Title: **General Arrangement**  
Crane-Ready, Gyro-Ready, EFMS-Ready

Date: 17-12-2024      Sheet: 1 of 1      Revision: P1

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