



BOS PRINCIPLE

DWT 3,800 t | DECK 750 m² | DP2 PSV

Class Notation: Offshore Support Vessel – heavycargo – chemical product; oil recovery ship (flash point > 60 °C); fire-fighting ship 1 – water spraying; unrestricted navigation; AUT-UMS; Biosafe Ship; Cargo Handling; Dynapos AM/AT R; Efficient ship 10, 3831; Green Star 3; Inwatersurvey; SPS

Main Particulars	
Particular	Detail
Flag	Gibraltar
IMO	9720744
Call Sign	ZDPQ5
Built	2016
Length Overall	80.0 m
Length Between Perpendiculars	72.38 m
Depth (Moulded)	7.8 m
Breadth (Moulded)	18.4 m
Max Draft (Moulded)	6.35 m
Design Draft	6.0 m
Freeboard at Max Draft	1.45 m
Gross Tonnage	3,548 t
Net Tonnage	1,196 t
Deadweight	3,800 t

Machinery & Propulsion	
Component	Specification
Main Engines	2 × MaK, 2,400 kW each (total ≈ 6,500 BHP)
Main Generators	3 × 500 kW (diesel-driven)
Shaft Generators	2 × Leroy Somer 1,230 kW (ME-driven)
Emergency Generator	1 × 95 kW (diesel-driven)
Propulsion System	Twin CPP rudder azimuth thrusters
Bow Thrusters	2 × 12 t (800 kW), electric-driven
Propellers	CPP

Cargo Deck	
Parameter	Value
Clear Deck Area	750 m ²
Deck Strength	7 t m ⁻²

Deck & Mooring Equipment	
Equipment	Rating / Detail
Tugger Winches	2 × 10 t @ 24 m min ⁻¹
Windlass / Mooring Winch	2 × 13 t @ 18 m min ⁻¹
Capstans	2 × 10 t @ 25 m min ⁻¹

Deck Crane	
Crane	Rating / Reach
Deck Crane	1 × 3 t SWL @ 10 m

Accommodation	
Item	Capacity
Single Cabins	12
Two-Man Cabins	20
Total Persons	52

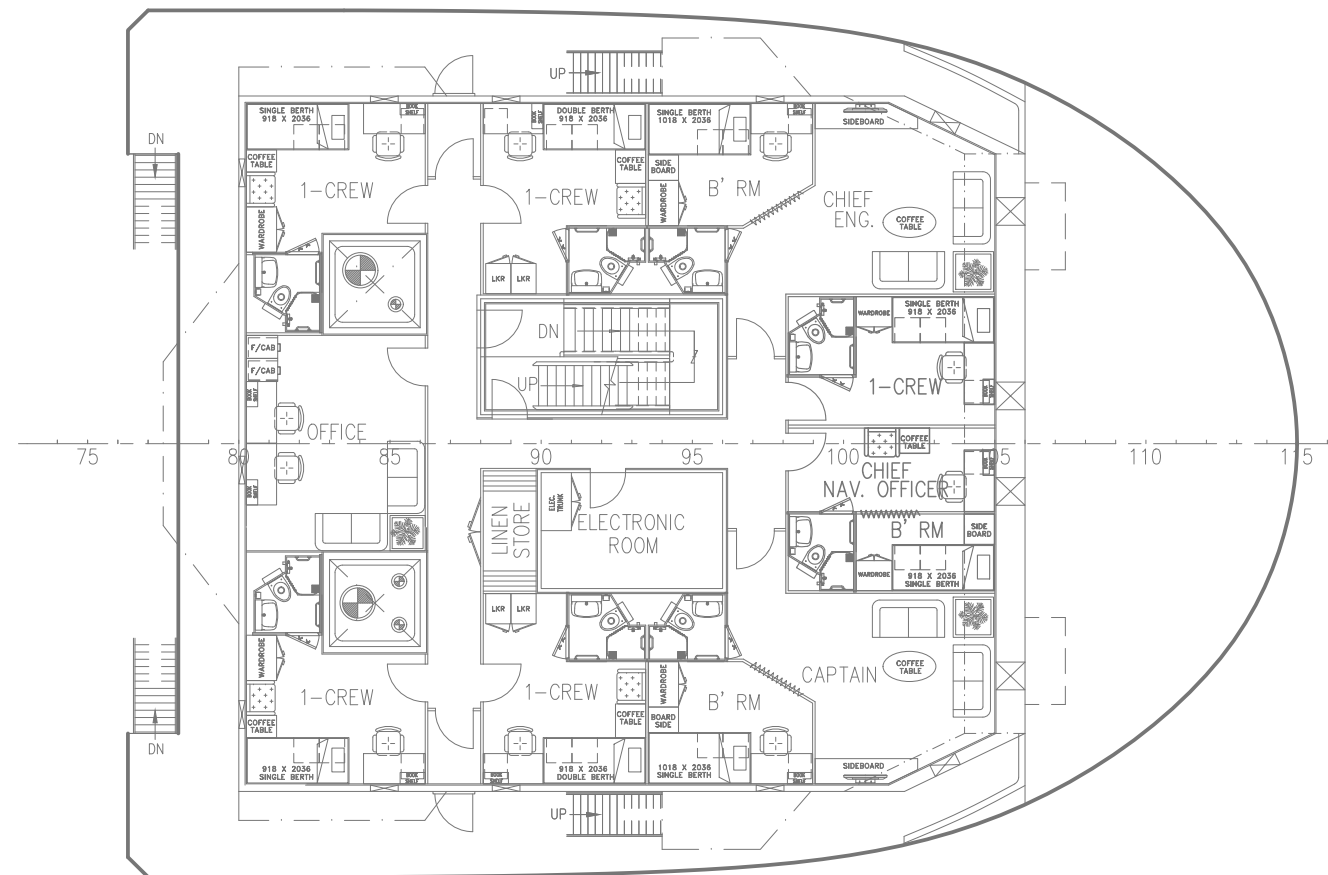
Tank Capacities & Discharge Rates		
Tank / Medium	Capacity	Discharge Rate
Fuel Oil Cargo	860 m ³	150 m ³ h ⁻¹ @ 80 m head
Fresh Water	730 m ³	150 m ³ h ⁻¹ @ 80 m head
Mud / Brine	816 m ³	2 × 75 m ³ h ⁻¹ @ 80 m head
Ballast / Drill Water	1,442 m ³	100 m ³ h ⁻¹ @ 80 m head
Dry Bulk	226 m ³ /4 × 2,000 ft ³	40 m ³ h ⁻¹
Foam	27 m ³	—
Detergent	27 m ³	—
Fresh-water Maker	2 × 10 m ³ d ⁻¹	—

Dynamic Positioning (DP) System & Navigation Equipment	
Instrument	Model / Detail
DP Class	Class 2 (DP2)
System	Kongsberg K-Pos DP21
References	DGNSS 1 — Kongsberg DPS112; DGNSS 2 — Kongsberg DPS110; 1 × CyScan
Radar No. 1	Furuno FAR-2117-D, X-band
Radar No. 2	Furuno FAR-2137S-D, S-band
GPS	2 × Furuno GP-150
Echo Sounder	Furuno FE-700
Autopilot	Raytheon Anschütz PilotStar D
Gyro Compass	3 × Raytheon Anschütz gyro
Magnetic Compass	Raytheon Anschütz Magnetic Standard 22

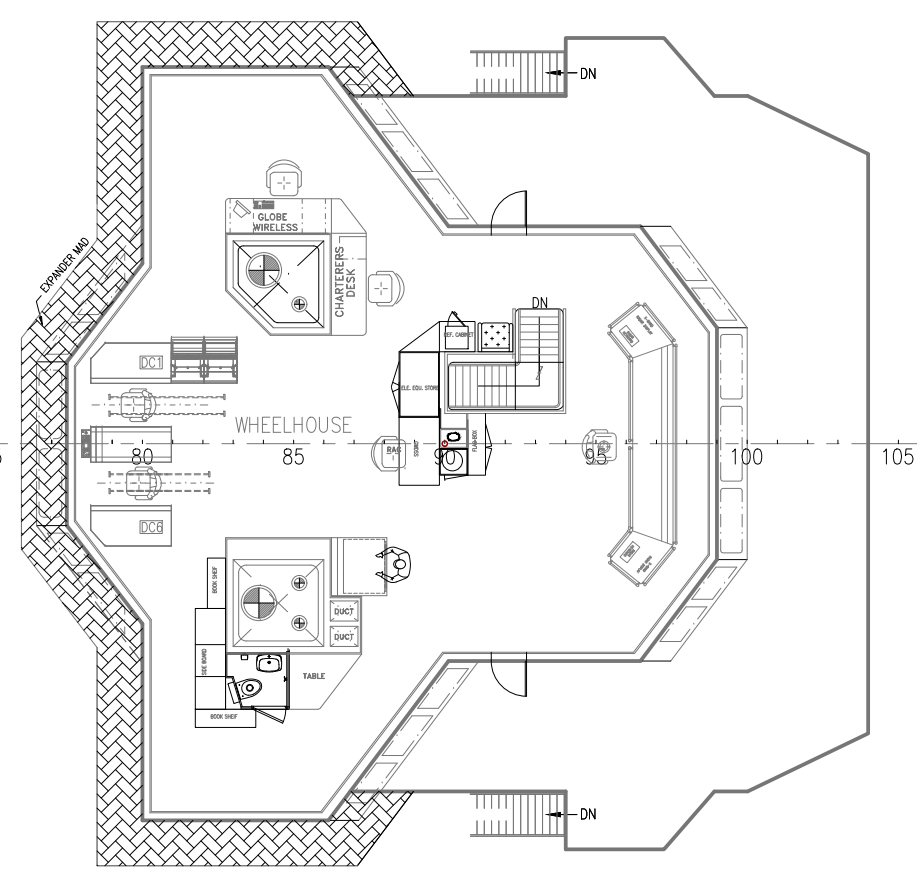
Communications Equipment	
Instrument	Model / Detail
HF Radio	Furuno RC-1800T
VHF Radio	Furuno FM-8800S
Portable VHF Radio	3 × McMurdo R2 GMDSS
Satellite EPIRB	McMurdo SMARTFIND E5
Inmarsat	Inmarsat-C with EGC
NAVTEX Receiver	Furuno NX-700A (GMDSS)
SART	2 × McMurdo S4 Rescue SART
AIS	Furuno FA-150

Fire-Fighting & Rescue	
Equipment	Capacity / Rating
Firefighting Class	FiFi-1
Pumps	3,000 m ³ h ⁻¹
Monitors	2 × 1,200 m ³ h ⁻¹
Throw × Height	120 m × 45 m
Liferafts	6 × 25-person; 2 × 15-person
Rescue Boat	1 × 6-person with 25 HP OBM

OFFICER DECK PLAN



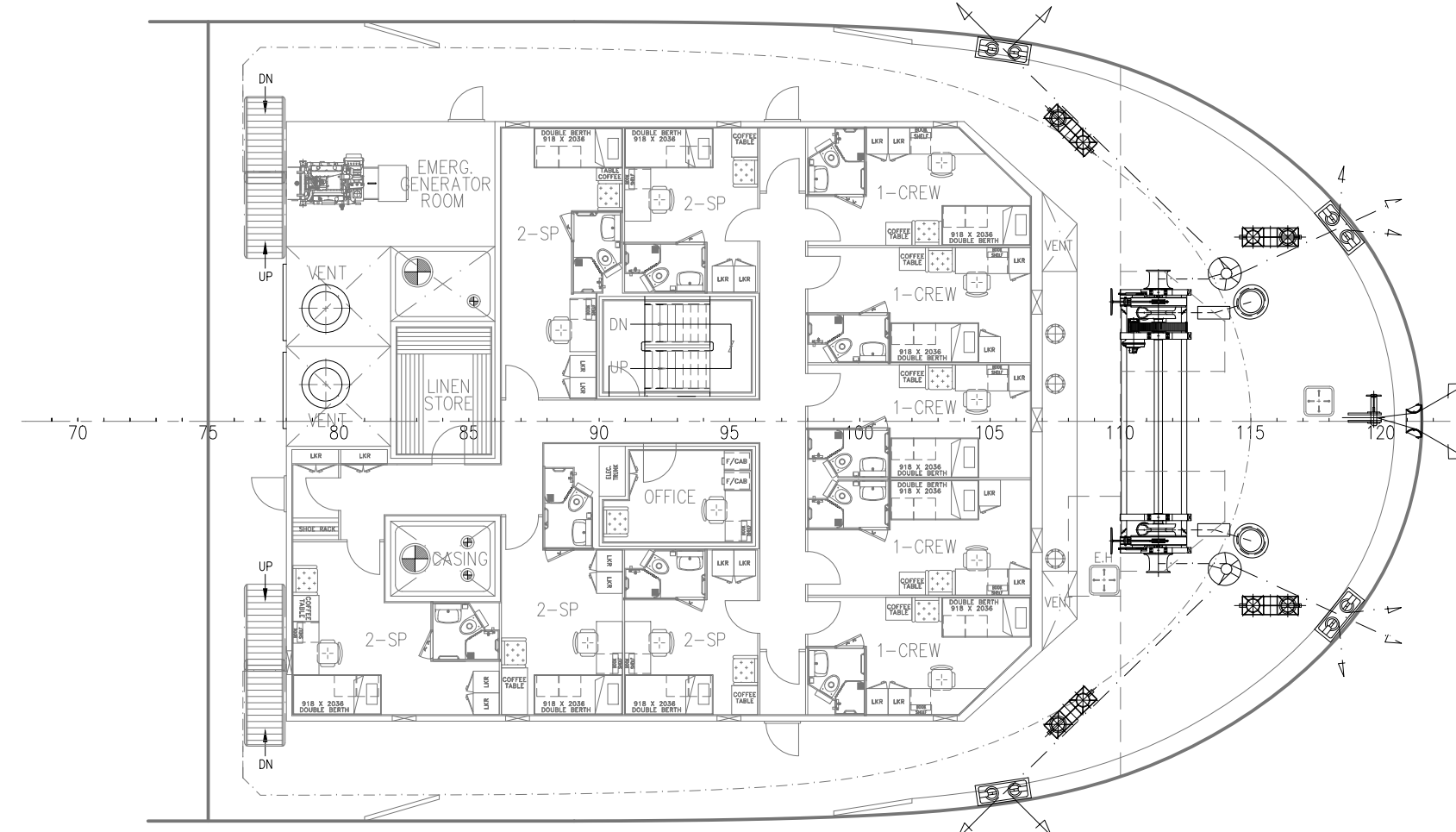
NAVIGATION BRIDGE DECK



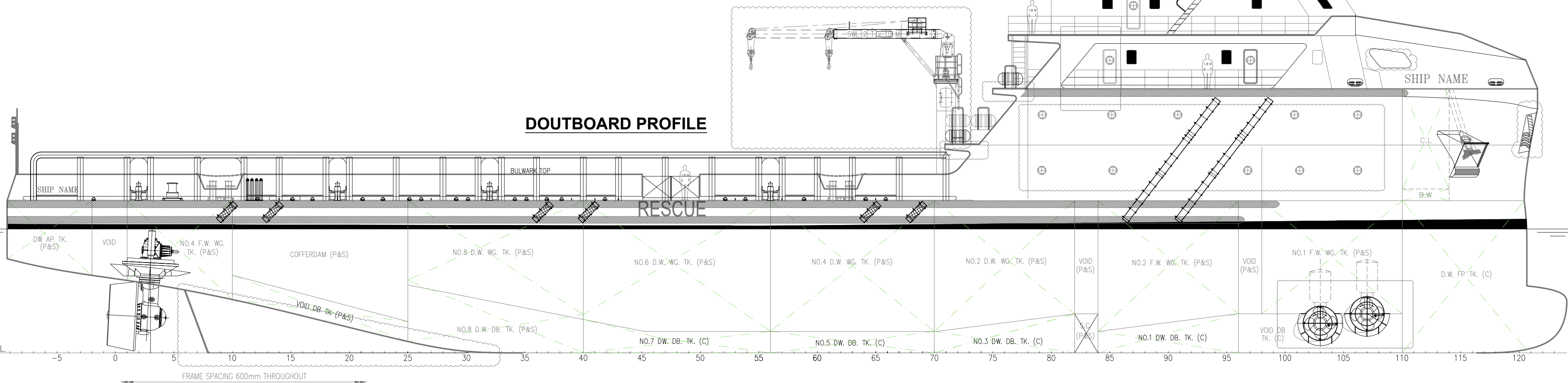
MAIN DIMENSIONS

LENGTH (O.A.)	80.00	M
LENGTH (B.P.)	72.38	M
BEAM (MLD.)	18.40	M
DEPTH (MLD.)	7.80	M
MAX DRAFT (MLD.)	6.35	M
CLASS	RINA	
FLAG	GIBRALTAR	
C+: Offshore Support Vessel - heavycargo - chemical product; oil recovery ship - flash point > 60° C; fire-fighting ship - 1 - water-spraying; unrestricted navigation		
+AUT-UMS; BIOSAFE SHIP; CYR; + DYNAPOS AM/AT R; Efficient ship 10; 3818; GREEN PLUS; INWATERSURVEY; MLCDESIGN; SPS; SUSTAINABLE SHIP 30		

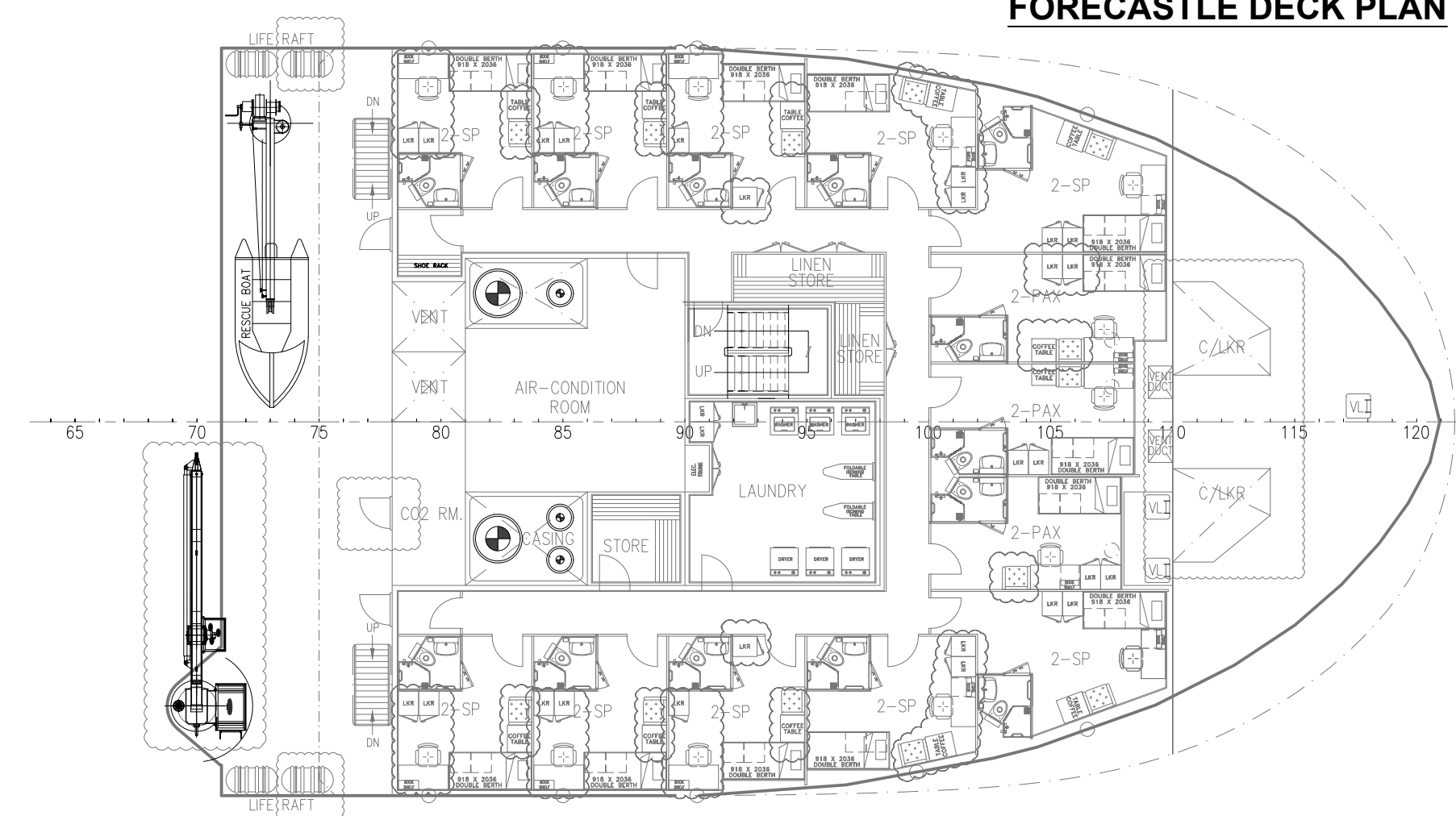
UPPER FORECASTLE DECK PLAN



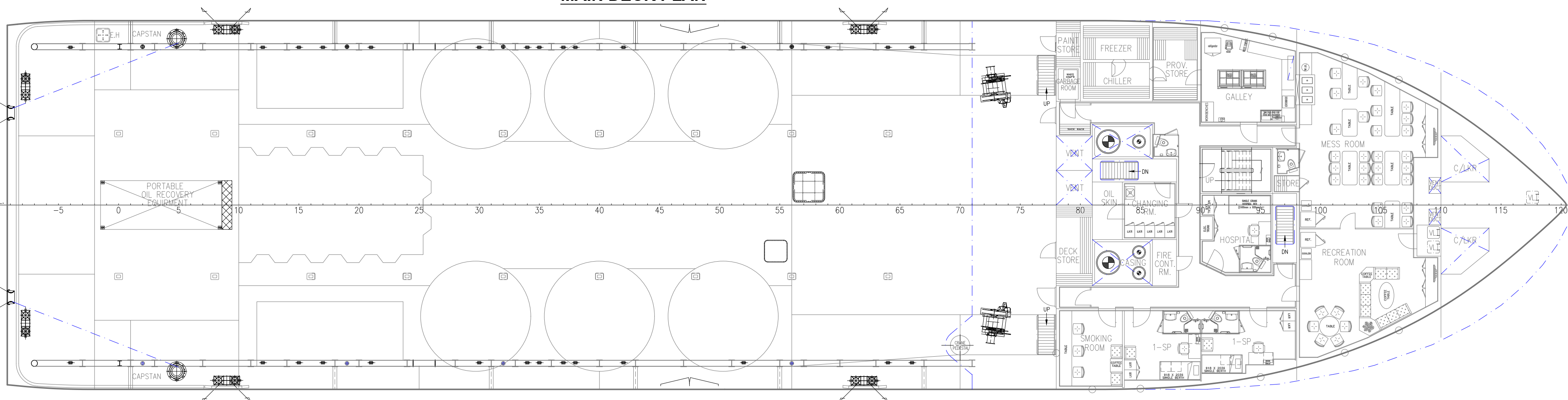
OUTBOARD PROFILE



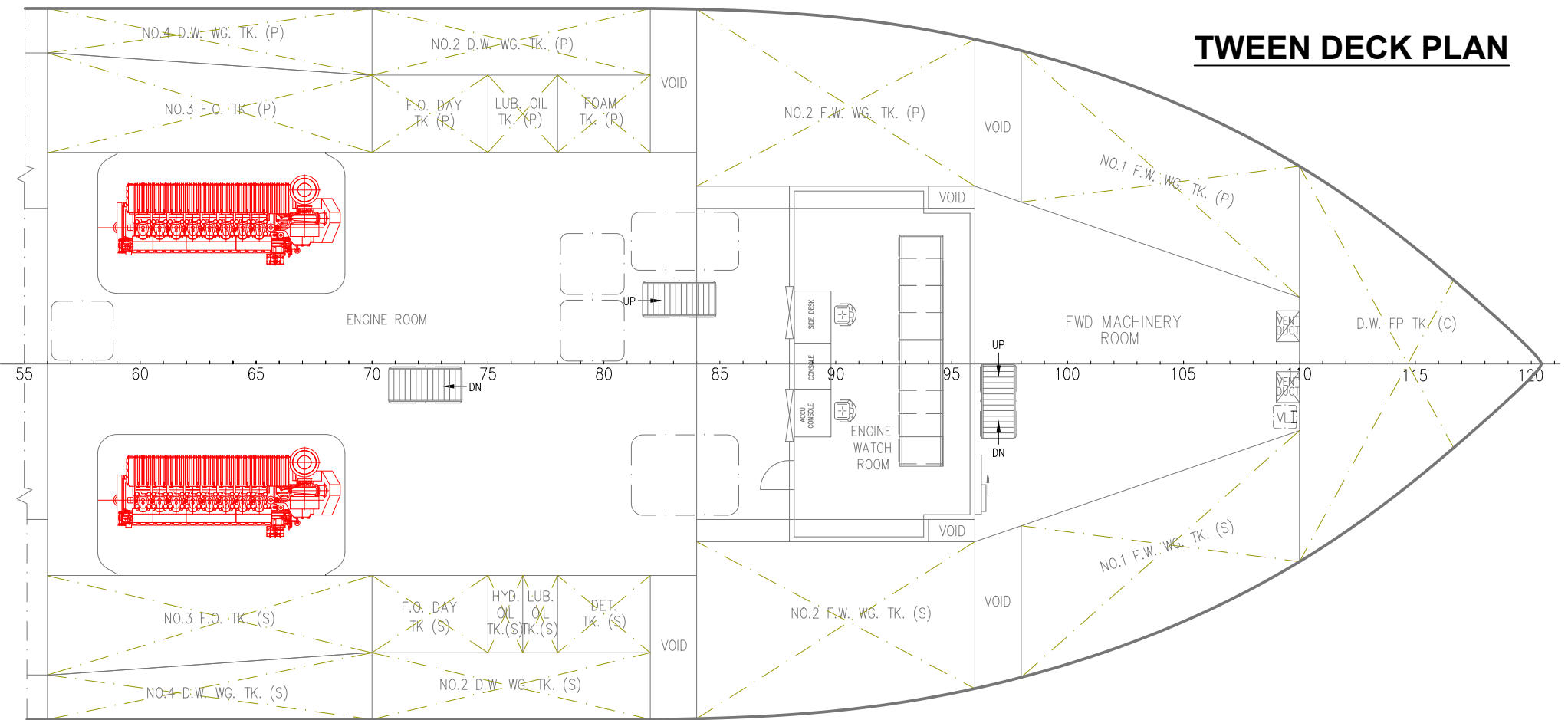
FORECASTLE DECK PLAN



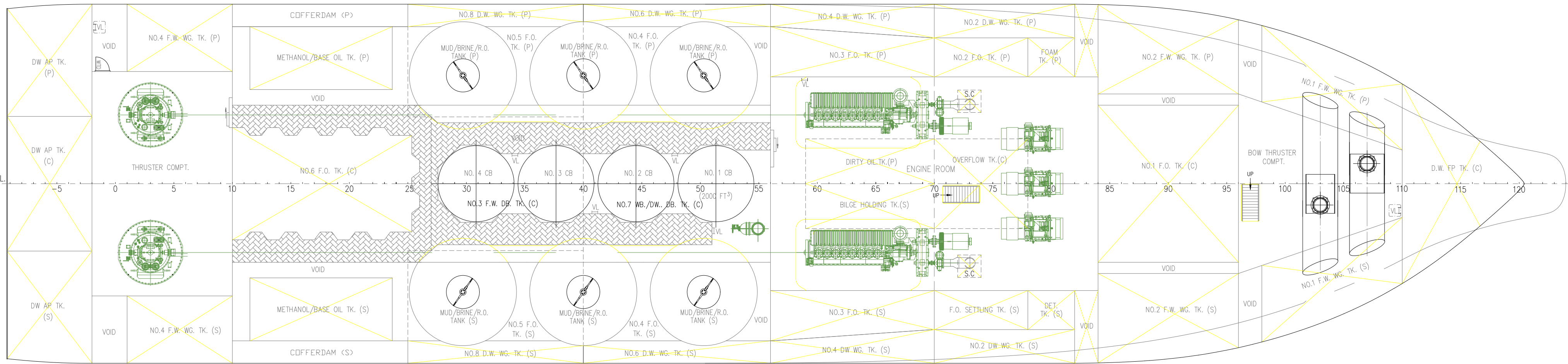
MAIN DECK PLAN



TWEEN DECK PLAN



BELOW DECK PLAN



REV.	DESCRIZIONE MODIFICHE	DATA	FIRMA
		SCALA	DATA
		1:150	25/02/2016
APPROV.	BOS PRINCIPLE		DIS. N°
N°	IMO 9720744 — RI 96327		VPC-000-001
DATA	GENERAL ARRANGEMENT		TAV. 1/1
F			FILE: teknoconsulting.com
APPROV.			
N°			
DATA			
F			
DIS.			