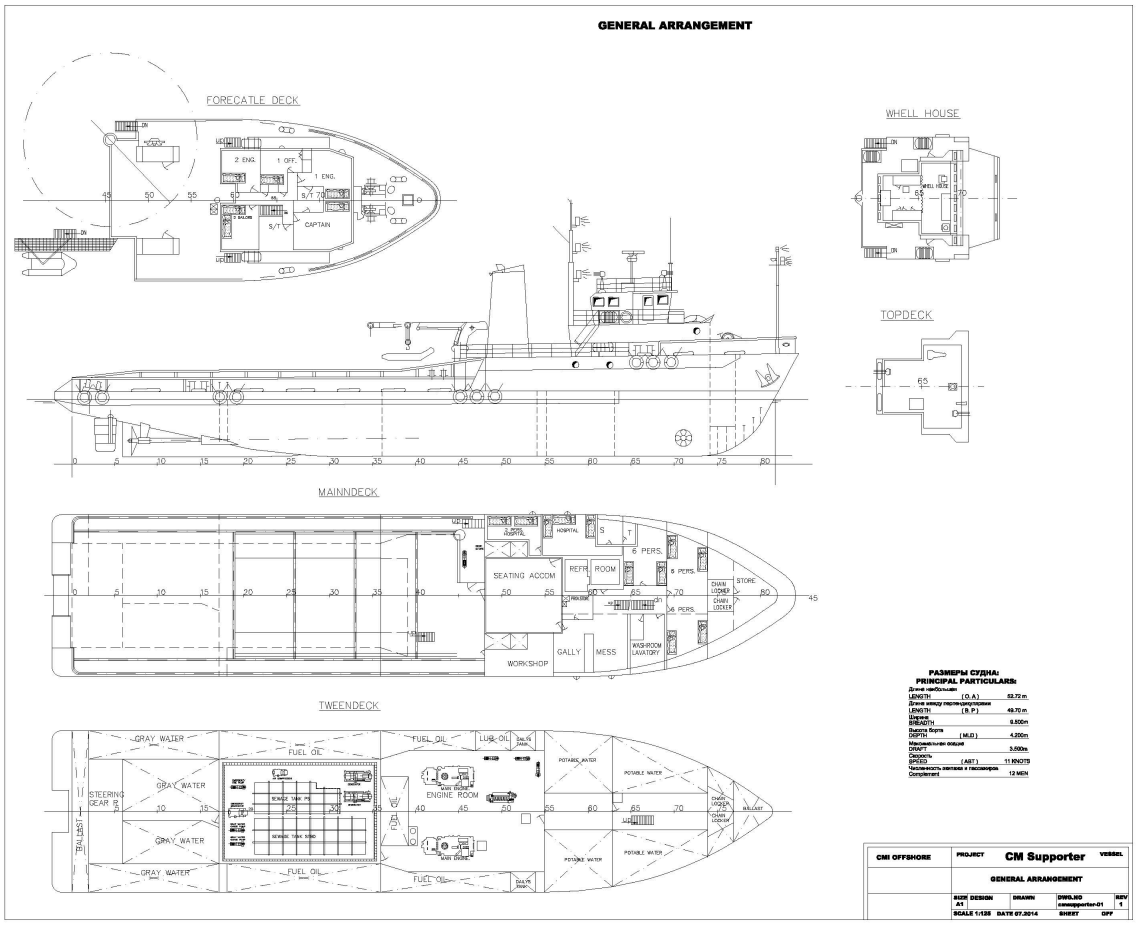
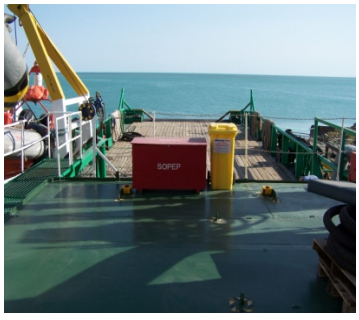
Name of Vessel
CM Supporter
Port of Registry / Flag
Aktau / Kazakhstan
IMO # / MMSI
7392634 / 436000311
Call Sign UNG M
Year of Delivery
1974 (Rebuilt 1992 & 2007)
Builder & Vessel Type
J. G. Hitzler Schiffswerft und Maschinenfabrik GmbH & Co. KG, Lauenburg, Elbe, Germany. PSV/Offshore Support/Safety Standby Vessel.
Classification - RMRS KM * Ice 1 Supply Vessel
Length over all (LOA)
52.72m (51.08m BP)
Breadth / Depth / Draft (Light/Max)
11.6m / 4.6m / 2.18m / 4.06m
GRT / NRT / DWT
692T / 207T / 1002T
Clear Deck Space / Loading
264m² (29m x 9m) / 2.5t/m² (500t max).
Speed (Full / Service)
12.0 knots / 10.0 knots.
Endurance - 30 days.
Accommodation
Fully heated & air conditioned for 24 men in 10 cabins. 5 x Single, 1 x two, 1 x Three, 2 x Four, 1 x Six berth cabins.
Lifesaving
To meet SOLAS requirements.
Rescue Class
Vessel is fitted with a single 15 man MOB boat Type Avon FRC with 2 x 60hp capable of 25 knots. The vessel has an internal survivor reception area on the main deck.
Fuel / Fresh Water / Drill Water
344.64m3 / 280.3m3 / 3.5m3
Sewage Bulk - 310.8m3 Minus 10%
Ballast – 29m3
Main Engines
2 x MWM TBD441V12 medium speed twelve cylinder, four stroke diesel engines producing 2206kw (2956bhp) total @ 900 rpm.
Propulsion
2 x L & S GUB450 3:1reverse reduction gearboxes coupled to four bladed 2250mm diameter FPP rotating @ 300rpm in 2800mm fixed Kort Nozzles.

Generators
2 x Main Diesel Generators, Perkins 6TWGM driving Stamford UCM 274G 140 KVA (112kW) @ 380v, 3~, 50Hz.
1 x Emergency Generator, HEEMAP DGC 763- 4, 60kW.
M.E. Consumption
10,000 litres MGO and 25 litres lube oil per 24 hours @ full power.
6,000 litres MGO and 15 litres lube oil per 24 hours @ economic cruising speed of 10.5 knots.
Generator Consumption
400 litres MGO and 4 litres lube oil per 24 hours at sea & 300 litres MGO and 4 litres lube oil per 24 hours in harbour.
Bow Thruster
Jastram tunnel thruster driven by an 8 cylinder MWM RHS 518. 236bhp @ 1500rpm via a pneumatically controlled Twin Disc RHS 518A reverse reduction gearbox. 2t static thrust.
Fuel Oil Purifier
Westfalia 661. Capacity; 11.5m³/24hr.
Oily Water Separator
RWO Type GSF 1.0. Capacity – 0.75m³/hr. (4m³ Sludge holding tank)
Aux. Boiler
RIELLO RD3, Type 483T50 Diesel Fired (For vessels central heating and domestic services).
Air Compressor
2 x Main; Hatlapa L 13. Capacity 12.3m³/h @ 30 Bar.
1 x Emergency; Meyer HD 25. Capacity 1.8m³/h @ 30 Bar.
1 x Working Air; Rednal Pneumatics S87/404EEC. Capacity 10.2m³/h @ 12Bar.
Fuel Cargo Pump
Loewe-Siemens KLBP80. Capacity 60m³/h @ 2940rpm & a pumping head of 40m.
Fresh Water Cargo Pump
Loewe-Siemens VKLW61. Capacity 60m³/h @ 2920rpm & a pumping head of 44m.
Bilge/Ballast/Drill Water Pump
Loewe-Siemens VKLW61. Capacity 32m³/h @ 2300rpm & a pumping head of 10m.
Main Fire Pump
Behrens/Siemens SFS50/160M. 25m³/h & pumping head of 43m.

Emergency Fire Pump
Lister Petter LVT9. Capacity 18m³/h.
Portable Emergency Fire Pump
Heinrich Behrecs Capacity 25 m³/h, 4,3 bar discharge pressure.
Steering Gear
Svendborg Steein 24D/25-4LE tied ram, twin rudders.
Anchor Windlass
Hitzler Hydraulic windlass 4 tonnes @ 30m/min.
Anchors
2 x 973kg Bower Anchor.
Anchor Chain
Ø 32mm. Port anchor 250m, Starboard anchor 250m.
Deck Crane
Norcrane NK20LE2 located portside amidships.1.5t @ 9 m.
Towing Point
40t SWL Emergency Towing SMIT Bracket Installation.
Navigation Equipment
1 x Kelvin Hughes Manta Radar
1 x Kelvin Hughes Nucleus 3 Radar
1 x Pilot 'Star D' Gyro
1 x Anschutz Auto Pilot
1 x Simrad CP 30 GPS Receiver
1 x AIS – "TRANZAS T105"
1 x Debeg 4630 Echo Sounder
3 x Icom GM 1600 portable VHF
1 x Sailor RM 2042 GMDSS VHF base station
1 x Furuno FM 8500 GMDSS VHF base station 1 x JRC NCR-333 NAVTEX
Radio Communication Equipment
1 x Sailor HC4500B Tx/Rx (H/MF/SSB/DSC)
1 x Sailor Compact RT2048 Tx/Rx (VHF)
1 x Sailor RM 2042 Tx/Rx (DSC)
1 x Inmarsat Furuno (Sat C 425000080) & (Sat C 425000081)
1 x Inmarsat Type C Furuno Felcom 15
1 x Internal P.A. System
1 x Thrane IP Handset
Thrane and Thrane Satellite
Other Equipment
1 x Kannad 406 WH EPIRB
2 x Jotron SART Radar Transponder .
1 x Anemometer.
1 x Salwico C303 Fire Detection & Monitoring System. Fleetbroadband 150

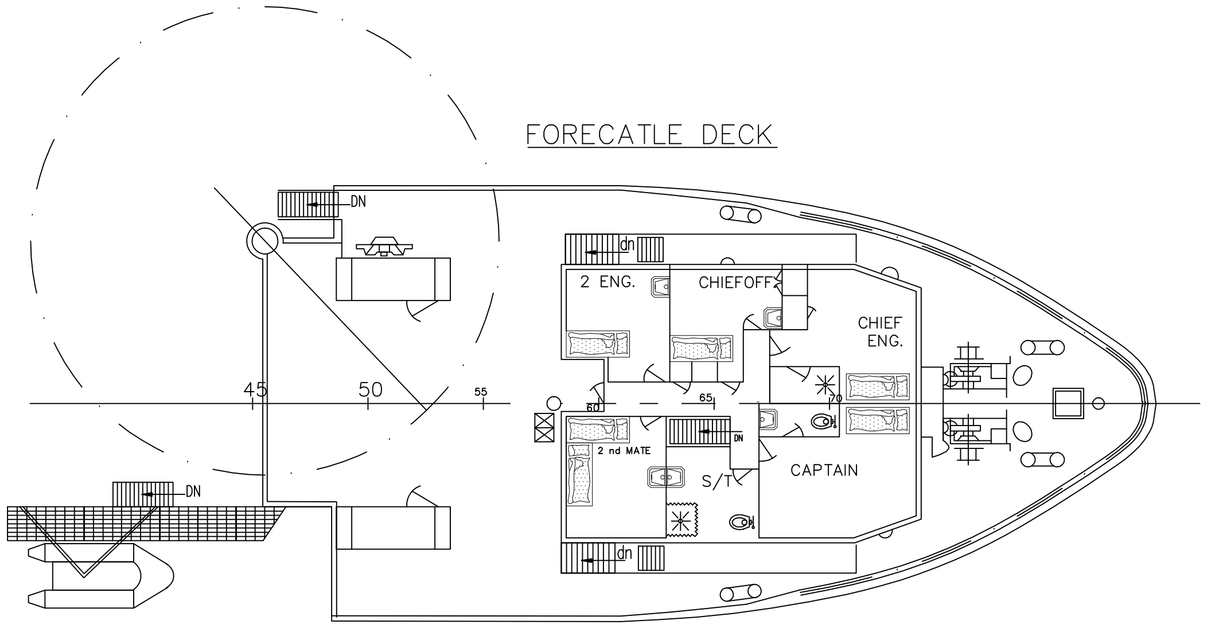
All details given in good faith and are believed to be correct, but not guaranteed.


GENERAL ARRANGEMENT
FORECATLE DECK
WHELL HOUSE
TOPDECK
MAINNDECK
TWEENDECK
SEATING ACCOM
REFR. ROOM
WORKSHOP
GALLY
MESS
ENGINE ROOM
STEERING GEAR RM
GRAY WATER
FUEL OIL
CAPTAIN
PRINCIPAL PARTICULARS
CMI OFFSHORE
CM Supporter
GENERAL ARRANGEMENT

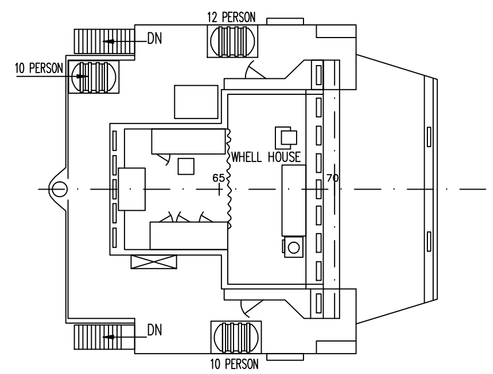


SAFETY + FIRST

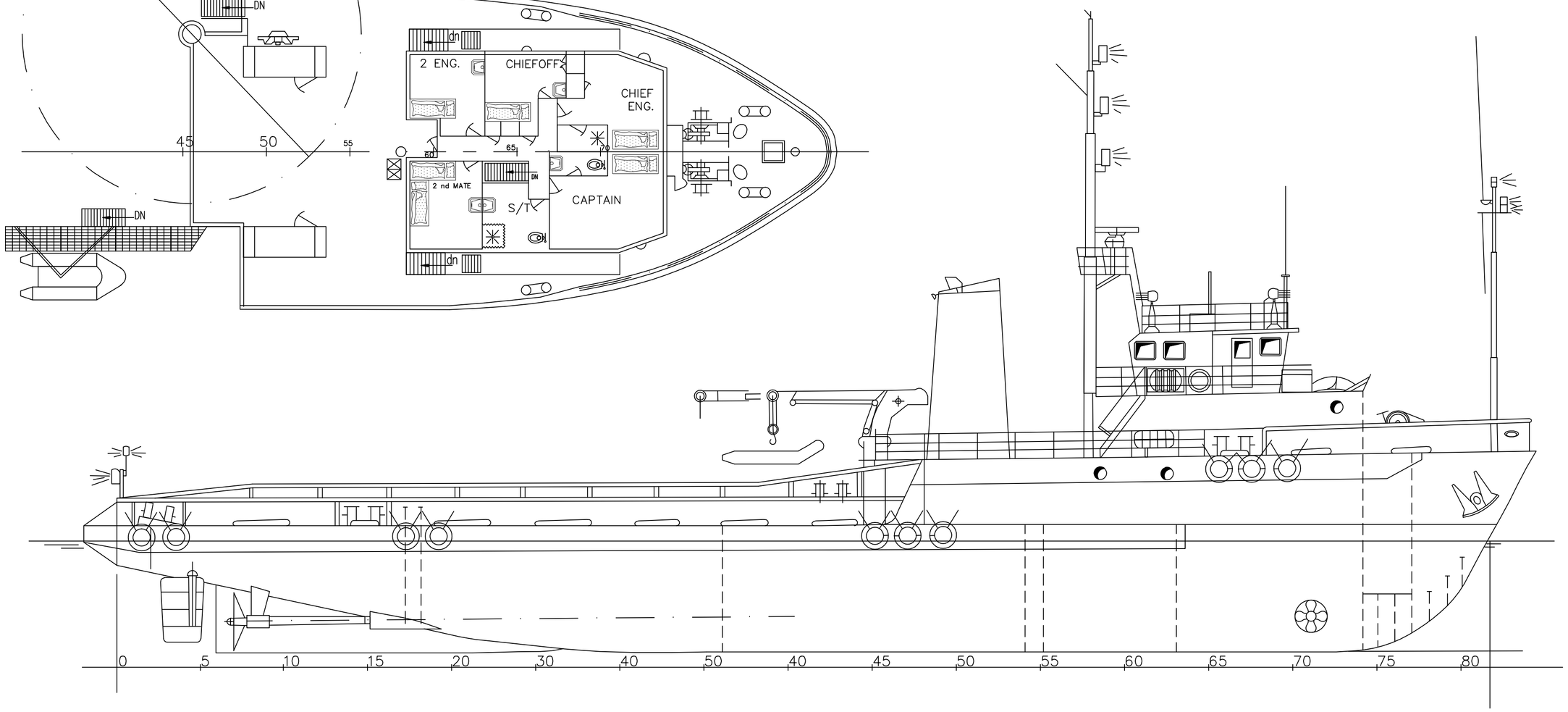
FORECATLE DECK



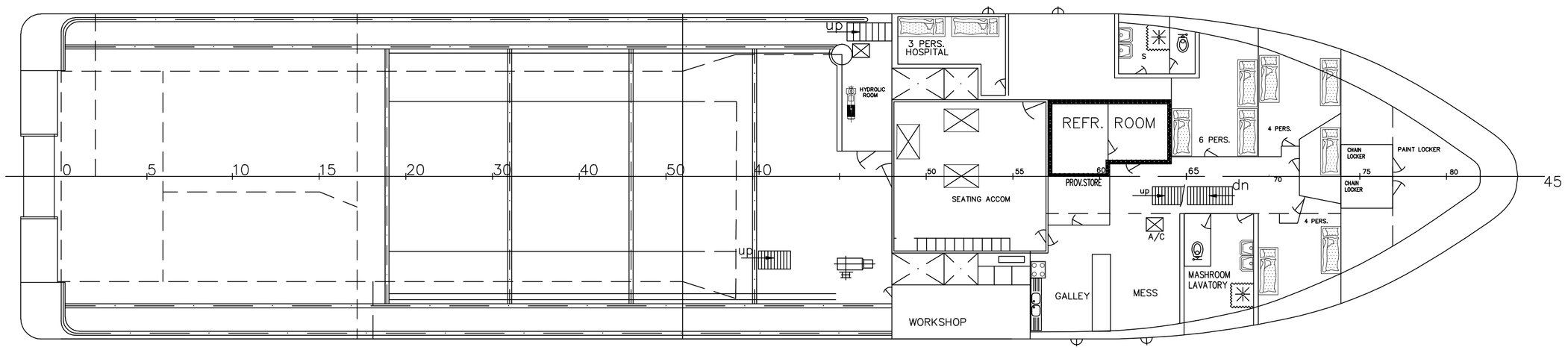
WHELL HOUSE



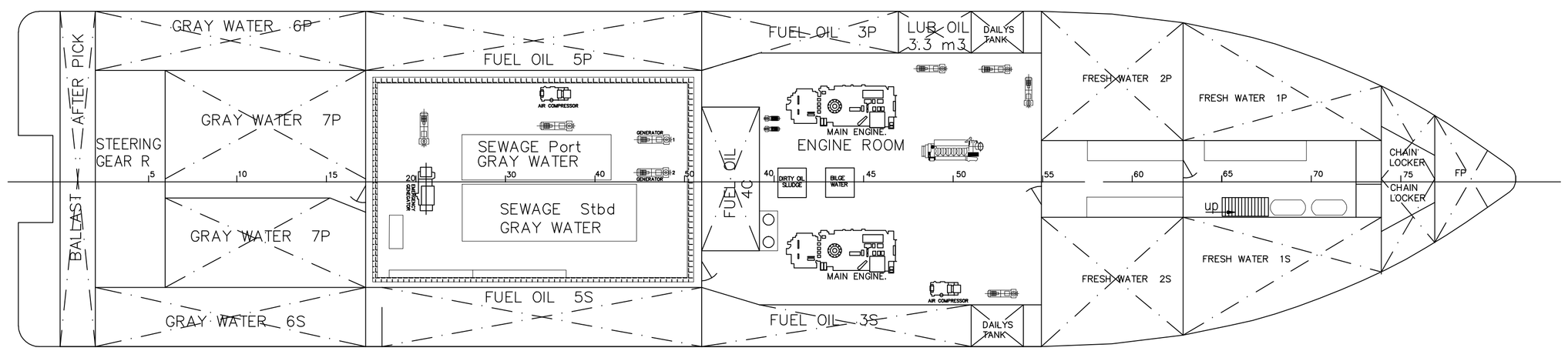
No	DESIGNATION	CAP
FP	BALLAST	12 m3
1P	FRESH WATER	62.2 m3
1S	FRESH WATER	62.2 m3
2P	FRESH WATER	77.1 m3
2S	FRESH WATER	77.5 m3
3P	FUEL OIL	63.0 m3
3S	FUEL OIL	66.7 m3
4C	FUEL OIL	40 m3
5P	FUEL OIL	88.8 m3
5S	FUEL OIL	86.1 m3
6P	GRAY WATER	40.8 m3
6S	GRAY WATER	40.8 m3
7P	GRAY WATER	68.45 m3
7S	GRAY WATER	54.75 m3
AP	BALLAST	17 m3
SWP	SEWAGE / GRAY WATER	30 m3
SWS	SEWAGE / GRAY WATER	40 m3
	LUB OIL	3.3 m3
SWS	SEWAGE / GRAY WATER	40 m3
SWS	SEWAGE / GRAY WATER	40 m3
	DIRTY OIL / SLUDGE	3.5 m3
	BILGE	4.0 m3
	FUEL OIL DAY TANK x2	5.4 m3



MAINNDECK

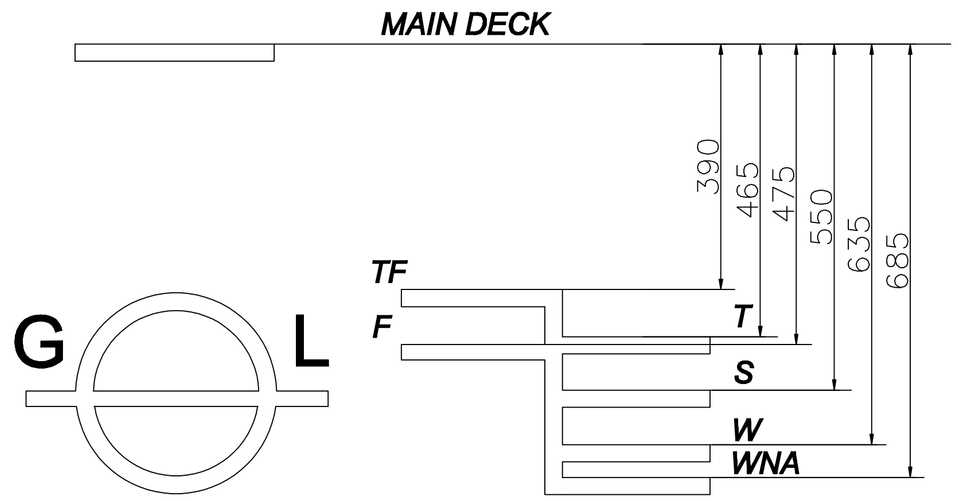


TWEENDECK



РАЗМЕРЫ СУДНА:
PRINCIPAL PARTICULARS:

Длина наибольшая LENGTH	(O. A.)	52.72 m
Длина между перпендикулярами LENGTH	(B. P.)	49.70 m
Ширина BREADTH	(MLD.)	11.60 m
Ширина BREADTH	(O.A.)	11.94 m
Высота борта DEPTH		4.60 m
Питьевая вода FRESH WATER		279.5 m3
Топливо FUEL OIL		344.6 m3
Балластный танк BALLAST		29.0 m3
Фикальный танк SEWAGE		70.0 m3
Сточные воды GRAY WATER		204.8 m3
Всего Фикальный танк + Сточные воды TOTAL SW + GW		274.8 m3
Грязное масло / шлам DIRTY OIL / SLUDGE		3.5 m3
Подсланновые воды BILGE		4.0 m3
Топливный расходной танк FUEL OIL DAY TANK x2		2.7 m3 each



CASPIAN MAINPORT	PROJECT	CM Supporter	VESSEL	
	CAPACITY PLAN ПЛАН ВМЕСТИМОСТИ			
	SIZE A1	DESIGN	DRAWN	DWG.NO cmsupporter-CP-1 REV 1
	SCALE 1:125	DATE 02.2013	SHEET	OFF