



OFCO EAGLE 2

5150 BHP, 65 BP, Anchor Handling Tug Supply Vessel

PRINCIPAL PARTICULARS

Length Overall :	52.93m
Breadth Moulded:	13.80m
Depth Moulded :	5.5m
Draft (Max) :	4.79m
GRT/NRT :	1373/411
Year of Built :	2009
Place of Built :	China
Class :	American Bureau of Shipping
Notation :	A1 (E) Offshore Support Vessel AH + Towing vessel + Fire Fighting Class 1 + AMS + DPS-1
Flag :	ST. Vincent and the Grenadines

PERFORMANCE

Maximum Speed :	13 knots
Economic Speed :	10 knots
Type of Fuel :	Marine Gas Oil
Fuel Consumption:	19m ³ /24 hrs @ maximum speed 12m ³ /24 hrs @ economic speed
Bollard Pull :	65 MT

CARGO CAPACITIES

Deadweight :	1200mt
Deck Cargo :	550mt
Deck Strength :	7mt/m ² uniform loading
Clear Deck Area :	330m ²
Fuel Oil :	380m ³
Fresh Water :	200m ³
Ballast/Drill Water:	375m ³
Liquid Mud :	247m ³
Cement Tank :	180m ³ (4 x 45m ³)
Freezer/Chiller :	10m ³ /10m ³
Foam/Detergent :	10m ³ /10m ³
Rig Chain Locker:	NIL

PUMPS

Fuel Oil :	1 x 100m ³ /h @ 60m head
Fresh Water :	1 x 75 m ³ /h @ 60m head
SWB/Drill Water :	1 x 75m ³ /h @ 60m head
Liquid Mud :	2 x 75m ³ /h @ 80m head
Bilge/Ballast :	2 x 60m ³ /h @ 45m head
GS/Fire Pump :	1 x 90m ³ /h @ 42m head
Bulk Cement :	2 x 60m ³ /h @ 60m head 2 x 20.5m ³ /min @ max 7.5 bar air compressors

PROPULSION SYSTEM

Main Engines :	2 x 1920kW (2,575 BHP) @ 1600rpm Caterpillar 3516B
Propulsion :	2 x CPP in Kort Nozzles; Berg Propulsion
Bow Thruster Engine:	1 x 485kW (650 BHP) @ 1800rpm Caterpillar 3412C
Bow Thruster :	1 x 440kW electric-driven brand HRP 4009 TT; tunnel type (CPP); 6T thrust
Stern Thruster :	NIL
Steering Gear :	2 x Palmarine PEH2602; 2.6T; 45 deg
Rudders :	2 x Becker Flap Type

GENERATORS

Main Generators :	3 x 320kW @ 1800rpm Caterpillar / 3406 Dita c/w Leroy Somer LSAM47.2S2 rated at 320kW/440V/3Ph/60Hz
Emergency Generators:	1 x 74kW @ 1800rpm Caterpillar / C4.4 rated at 74kW/440V/3Ph/60Hz
Shaft Alternator :	NIL

ACCOMMODATION

Berths :	6 x 1 berth cabins = 6
:	2 x 2 berth cabins = 4
:	6 x 4 berth cabins = 24
Total :	34
Hospital :	1 x 1 berth cabin = 1

All cabins fully air-conditioned and come with attached washrooms.



DECK EQUIPMENT

Anchor Windlass :	1 x electro-hydraulic Zicom/HWL-9/38x2
- Drum :	NIL
- Gypsies :	Suit for 38mm chains rated pull 9mt @ 12m/min
- Warping Drum :	400mm (dia.) x 485mm (L) rated pull 9mt @ 12m/min
Bow Anchors :	2 x 1200kg HHP AC-14 anchors
Anchor Chains :	220m (L) x 38mm (dia.) Grade K3 (each side)
Capstan :	2 x 5mt @ 0-15m/min electro- hydraulic; Zicom/HCAP-5
Towing/AH Winch:	1 x electro-hydraulic double drum; Zicom/HWTW-150/52x2
- Upper Drum Cap (Tow):	1000m (L) x 58mm SWR
- Lower Drum Cap (AH):	1000m (L) x 58mm SWR
- Line Pull :	150mt @ 0-2.5m/min at first layer 30mt @ 0-10m/min at first layer 10mt @ 0-40m/min at first layer
- Stall Pull :	165mt @ first layer
- Brake Capacity :	200mt static at first layer Remote control from after control stand in wheelhouse
Stern Roller :	3.5m (L) x 1.6m (dia.); SWL 200mt
Shark Jaws :	1 x electro-hydraulic Karmoeiy; SWL 300mt
Towing Pins :	2 x electro-hydraulic with turntable top flaps; SWL 160mt
Rope Reel :	1 x electro-hydraulic Zicom/HSW-5/52 Drum Capacity: 1000m (L) x 52mm SWR
Tugger Winch :	2 x 10mt @ 15m/min electro- hydraulic; Zicom/HTUG-10/20 Drum Capacity: 200m (L) x 20mm
Crane :	HIAB type 220c-3; SWL 5mt

MISCELLANEOUS

Life Rafts :	6 x HYA-20; Type: Inflatable
Rescue Boat :	1 x YJ45KR x 6 pax (Outboard motor size -25 HP)
Oily Water Separator:	1 x HSHC-10; 1.0m ³ /h @ 30m
Water Maker :	1 x 5m ³ /day
Sewage Treatment Plant:	1 x WCB-40

RADIO & NAVIGATION EQUIPMENT

GMDSS :	1 x RC1800T; Furuno
- SSB :	1 x FS2570; Furuno
- Inmarsat C :	1 x FELCOM-15; Furuno
- VHF Radio :	2 x FM8800S; Furuno
- Navtex Receiver:	1 x NX700B; Furuno
- SART :	2 x S4; McMurdo
- EPIRB :	1 x E3; McMurdo
- Portable VHF Radios:	3 x FM8; Furuno
Radar :	1 x FR2117MAK3; Furuno 1 x FR1945MAK3; Furuno
Echo Sounder :	1 x FE700; Furuno
GPS :	1 x DGPS GP150; Furuno
Gyrocompass :	1 x standard 22; Furuno
Autopilot :	1 x NP60; Anschuetz
Magnetic Compass:	1 x SR165; Saura
Weather Fax :	1 x FAX408; Furuno
Speed Log :	1 x DS80; Furuno
Wind Indicator :	1 x WALK2050MK2; Walk
AIS :	1 x FA150; Furuno
DP :	Marine Technology Bridge Mate DP1
Joystick :	Marine Technology Bridge Mate JX
PA System :	Yes

All safety, radio and navigation equipment are in full compliance with the SOLAS/ABS requirements.

FIRE FIGHTING EQUIPMENT

<u>External</u>	
FIFI System :	Class 1 with water curtain all round
Fire Pump :	2 x 1550m ³ /h @ 128mlc, FFS / SFP 250 x 350 driven by front PTO of M/E
Monitors – Water/Foam:	1 x 300 - 1200m ³ /h, FFS / 1200 / 300 LB
Monitors – Water :	1 x 1200m ³ /h, FFS 1200 LB
Oil Dispersant System:	2 x 6m (6 nozzles) spray booms; FFS
<u>Internal</u>	
Emergency Fire Pump:	1 x 65CWY-40D; 25m ³ /h @ 45m head; Zhenhua Pump Industry
CO2 System :	1 x WLS68L X 12; Wuhan Weili Fire Control

Fire Detection & Alarm System in living spaces and engine room.

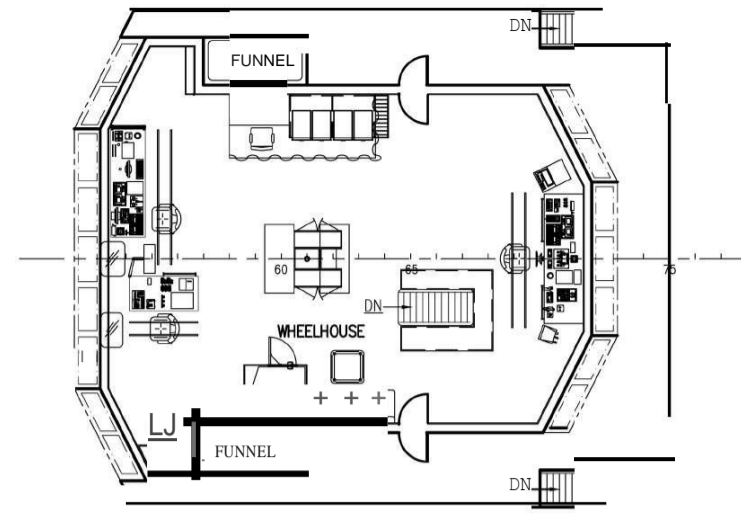
* RECOMMENDATION: A TOE BOARD OR KICK PLATE TO BE INSTALLED ON THE DECK BELOW THE LOWER RAIL COURSE IN ORDER TO REDUCE THE LIKELIHOOD OF INJURY DUE TO A FOOT/LEG SLIPPING UNDER THE LOWER RAIL COURSE AND OVER THE EDGE OF THE BRIDGE WING DECK.

REVIEWED

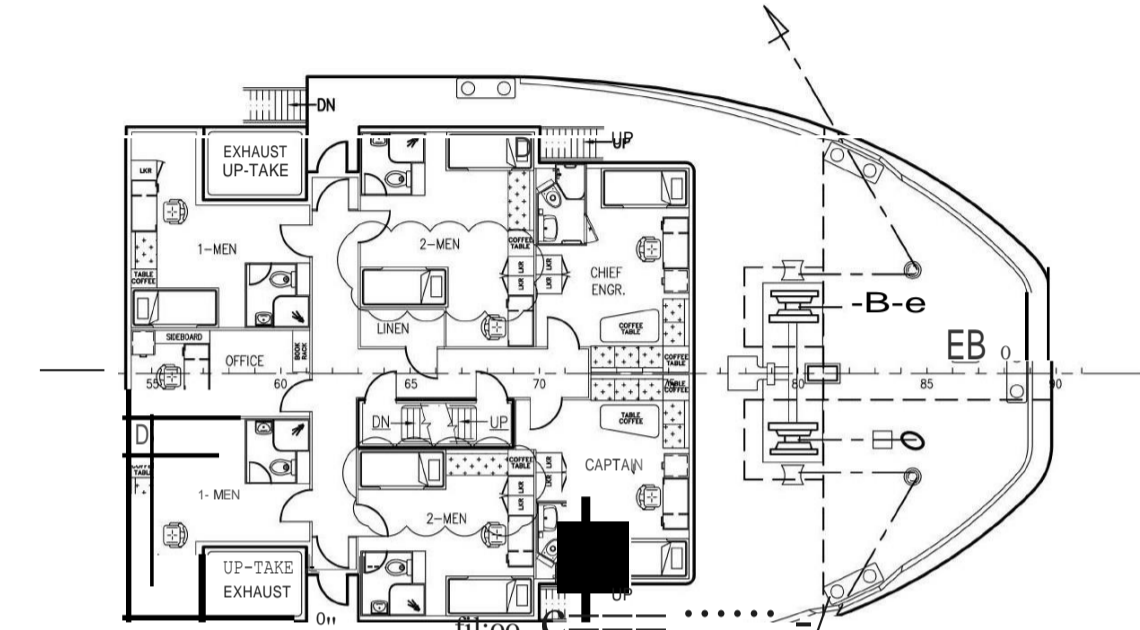
Details of this review are as indicated in the ABS letter

ABS

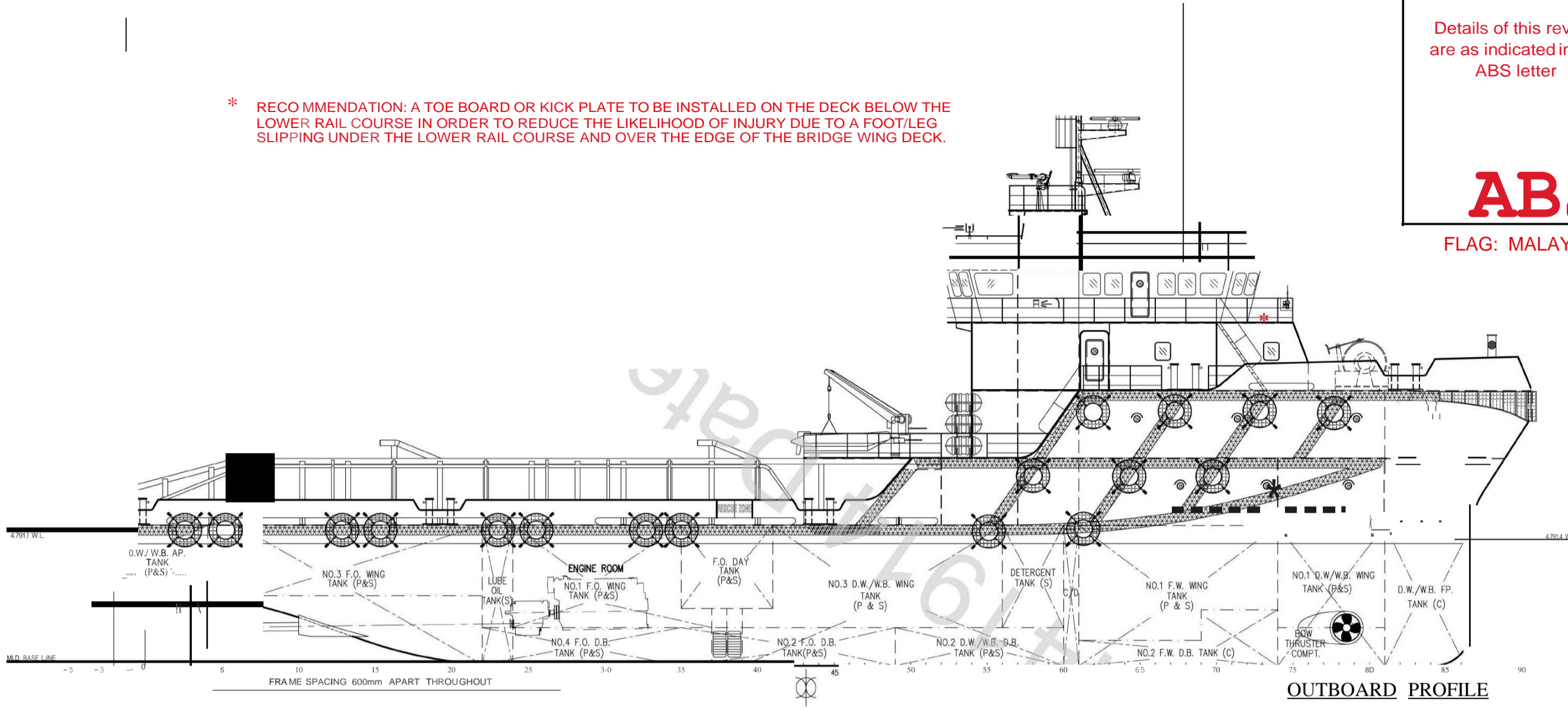
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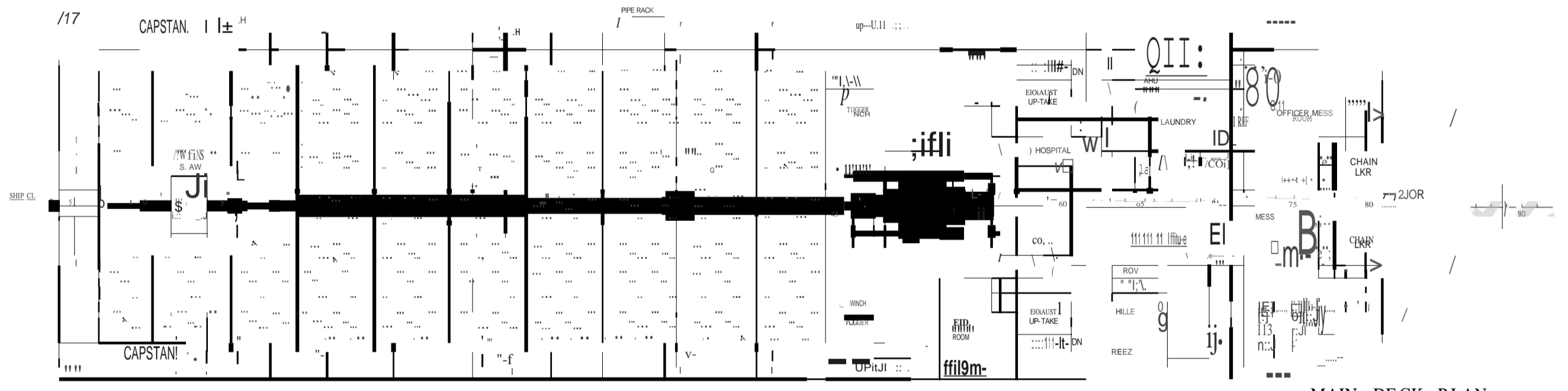
NAV. BRIDGE DECK



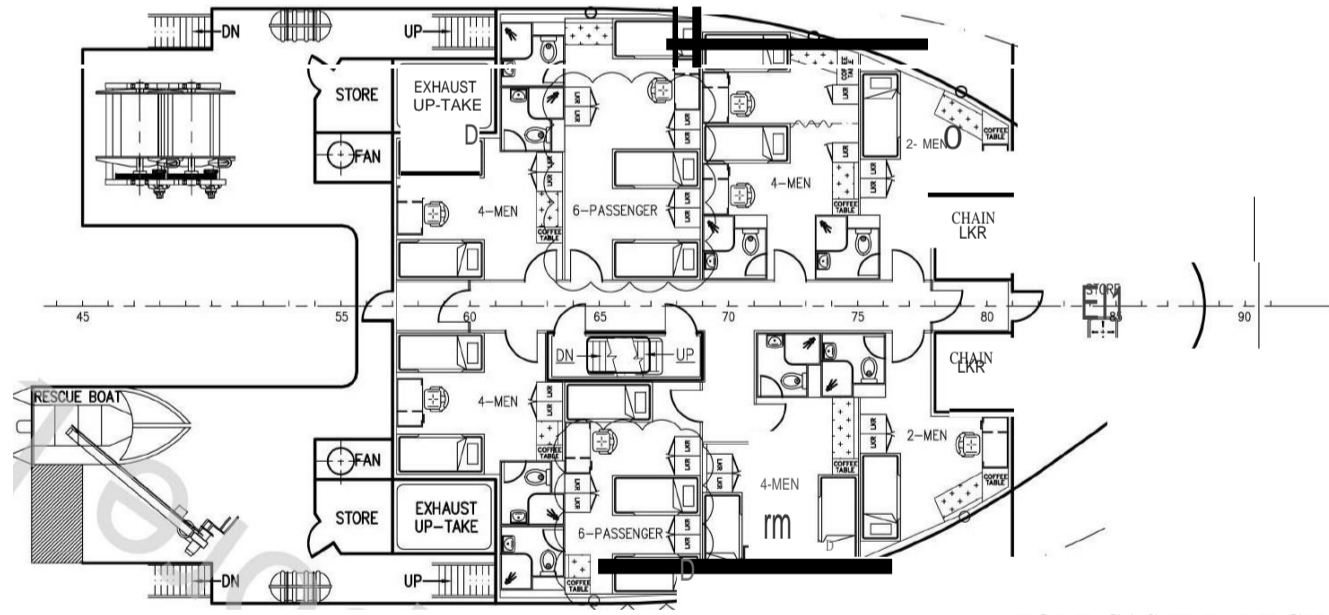
UPPER FORECASTLE DECK



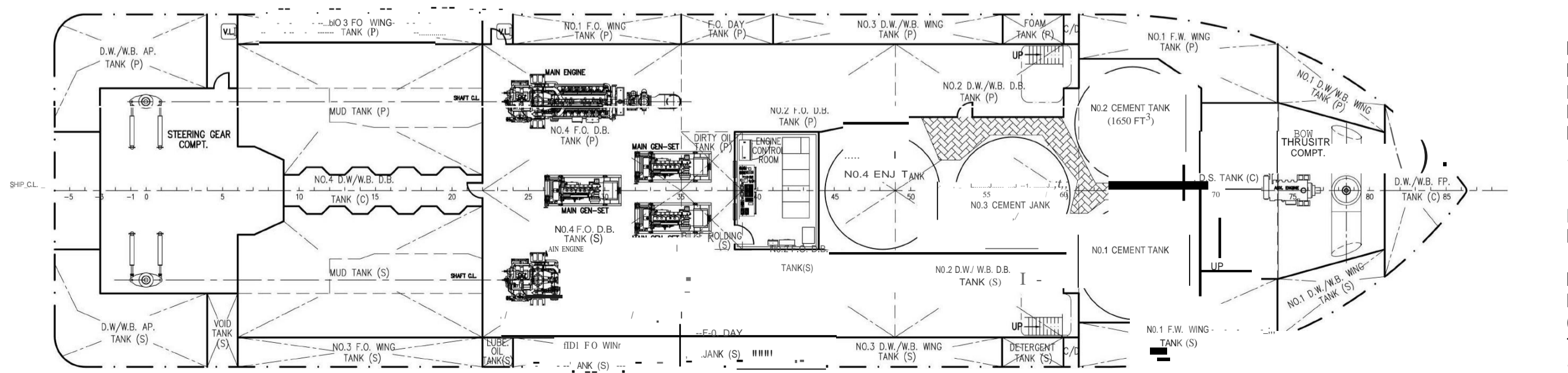
OUTBOARD PROFILE



MAIN DECK PLAN



FORE CASTLE DECK



BELOW MAIN DECK PLAN

PRINCIPAL DIMENSIONS

LENGTH OVERALL	57.50 M
LENGTH WATERLINE	55.05 M
LENGTH BETWEEN PERPENDICULARS	52.00 M
BREADTH MOULDED	13.80 M
DEPTH MOULDED	5.50 M
DESIGN DRAFT MOULDED	4.79 M
ACCOMMODATION	
CREW -	28 MEN
PASSENGER	12 MEN
FUEL OIL	375 M ³
FRESH WATER	200 M ³
DRILL WATER	365 M ³
MUD (S.G. - 2.5)	250 M ³
DRY BULK TANKS(4 x 1650 FT ³ = 6600 FT ³)	186 M ³
CLEAR DECK AREA (DECK LOADING = 7 T/M ²)	330 M ²
TOTAL POWER	5150 HP
SPEED	13.0 KNOTS

SHIP YARD: WEIHAI XINGHAI SHIPYARD, HULL NO.: 07MZC006; GUIJIANG SHIPBUILDING CO., LTD. CSSC, HULL NO.: GJ01-2007-01

NO.	DESCRIPTION	DATE
1.	COMPLET AMENDED AS 40	UMINGYE 08.10.15
2.	UPDATED AS PER CAPACITY PLAN	PangJJ 01.12.09
3.	AMENDED AS PER YARD'S COMMENTS	YUDIN 08.03.09

BUILDER: **P.T. BATAMEC**

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PROJECT: 5150HP ANCHOR HANDLING/TOWING SUPPLY VESSEL

TITLE: **GENERAL ARRANGEMENT**

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CLASSIFICATION	HULL NO.	SSSsi
DRAWN (m L A)	CHECKED	SCALE
20-12-04		1.125
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KCM/Q468(A)-G1	C1	