



GENERAL SPECIFICATION

		ACCOMMODATION		PROPULSION SYSTEM	
Port of Registry	: Astrakhan	16 x 1 Man Cabin	: 16	Main Engine (Wartsila)	: 2 x 3650 BHP, Diesel engine @
		4 x 2 Men Cabin	: 8		1000 rpm c/w Reduction gear
		Total POB : 24 Men		Propeller	: 2 x CPP@230mm/rpm speed
				Steering Gear	: 2 x Independent Electro. Hyd. Sys
Flag	: Russia			Bow Thruster	: 2 x CPP@700kW(Elect. Motor)
Year Built	: 2015	Hospital Room	: 1 x Bed, 1 x Treatment Table	Stern Thruster	: 1 x CPP@700kW(Elect. Motor)
Hull No	: H384	[FULLY AIR - CONDITIONED]		Bollard Pull	: 61 Tons (approx.) @ 100% MCR
Builder	: Keppel Nantong Shipyard, China			VESSEL SPEED	
Designer	: Marine Technology Development Pte. Ltd.			Maximum Speed (100%)	: 14.0 Knots
Classification	: Russian Maritime Register of Shipping			Service Speed (85%)	: 13.5 Knots
Notation	: KM (*) ARC4, AUT1-ICS, DYNPOS-2, FF3WS, SUPPLY VESSEL			Economical Speed (75%)	: 13.0 Knots

PRINCIPAL PARTICULARS		DECK EQUIPMENT		ELECTRIC POWER GENERATION	
Length Overall	: 81.11 m	Tugger Winch	: 2 x 200m x 25mm dia. wire	Main Generators	: 2 x 450ekW@380V/3Ph/50Hz
Breadth Moulded	: 16.50 m	Capstan	: 2 x 10 Tons x 0~15m/min	Emergency/ Harbor Generators	: 1 x 350ekW@380V/3Ph/50Hz
Depth Moulded	: 6.20 m	Deck Crane (Fixed Boom)	: 1 x 12 Tons (SWL) @10m radius	Shaft Alternators	: 2 x 1600ekW@380V/3Ph/50Hz
Summer Draft	: 3.80 m	Accommodation Ladder	: 2 x 6.7m(L) x 0.6m(W) c/w safety net (Elect. Driven)	DYNAMIC POSITIONNNG SYSTEM	
Gross Tonnage	: 2888	ANCHOR MOORING SYSTEM		DP-2 System	: 1 set
Net Tonnage	: 866	Anchor Type	: High Holding Power Anchor	Maker	: Kongsberg
Deadweight (Summer Draft)	: 1303 Tons (approx.)	Anchor Capacity	: 2 x 1760kg @ 410kN proof load		
Free Deck Space	: 420 m ² (approx.)	Anchor Chains	: 2 x 632.5mL @ (27.5m/shackle)		
Deck Cargo Capacity	: 500 Tons	Spare Anchor	: 1 x 1750kg @ 408kN proof load		
Deck Strength	: 5 Tons/m ²				

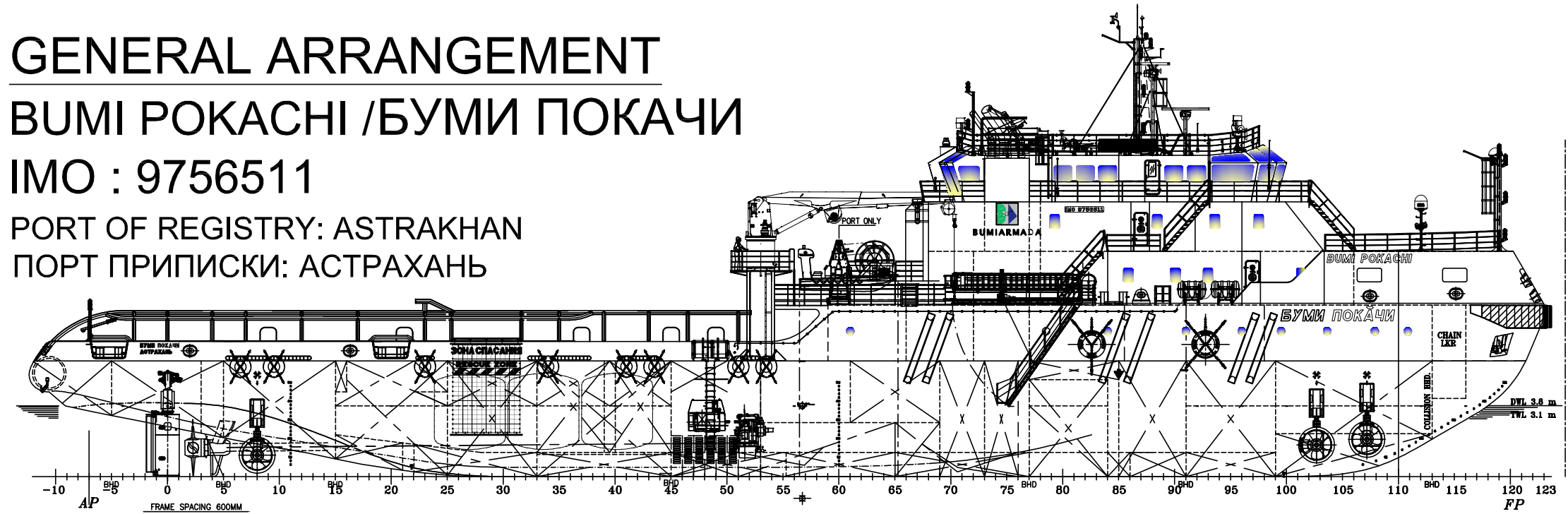
SAFETY EQUIPMENT		TOWING & ANCHOR HANDLING WINCH		NAVIGATION & COMMUNICATION EQUIPMENT	
Liferafts	: 4 x 25men	Anchor Handling and	: Duoble drum, Waterfall type	GMDSS (Area A1,A2,A3)	: 1 complete set
Rescue Boat	: 1 x 15men FRB c/w pivoting davit.	Towing Winch	: (Electro. Hyd. Sys)	DGPS	: 2 units
Scrambling Net	: 2 set	- Brake Holding Capacity	: 200 Tons @ 1st layer (static)	Gyro Compass	: 3 units
Remarks: Vessel safety equipment & Firemen's outfits are accordance to FF3WS, SOLAS & Flag State requirement		- Drum Capacity	: 1 x 1000m x 58mm dia. Wire	Satellite Compass	: 1 set
FIRE FIGHTING & ANTI POLLUTION EQUIPMENT		- Winch Load Capacity	: 120 Tons @ 8m/min. at 1 st layer	Magnetic Compass	: 1 set
FiFi Classification	: FF3WS	Storage Drum Capacity	: 1 x 1000m x 58mm dia. wire	Radar (ARPA)	: 2 units (1 x S-Band, 1 x X-Band)
Fire Pumps Capacity	: 2 x 1600m ³ /hr	- Rated Pull	: 5 Tons x 0~30m/min. at 1 st layer	BNWAS	: 1 set
Fire Monitor Capacity	: 1200m ³ /hr water & 300m ³ /hr foam	- Brake Holding	: 10 Tons at 1 st layer (static)	Echo Sounder	: 1 unit
Oil Dispersant System	: 2 x 10m Dispersant Boom	Towing Pin / Kamfork	: 2 x 160 Tons/ 300 Tons BP (SWL)	Speed Log	: 1 unit
Remarks: Machinery spaces, accommodation spaces and cabins are fitted with heat, smoke, fire detector and complied with SOLAS requirement.		Stern Roller	: 3.50m(L) x 1.6m dia.@200T(SWL)	Navtex Receiver	: 1 unit
DISCHARGE PUMPS CAPACITIES		CARGO / TANK CAPACITIES		AIS	: 1 unit
Fuel Oil (Cargo)	: 1 x 150m ³ /hr @ 90m head	Bulk Tank Compressor	: 2 x 29m ³ /min @ 6bar	SART	: 1 set
Fresh Water (Cargo)	: 2 x 70m ³ /hr @ 90m head	Bulk Tank Dryer	: 2 x 30m ³ /min @ 5.6bar	VDR	: 1 set
Drill Water	: 1 x 125m ³ /hr @ 90m head	Oily Water Separator	: 1 x 1m ³ /hr	ECDIS interface to AutoPilot	: 1 set, 1 unit of Auto Pilot
Technical Water	: 1 x 70m ³ /hr @ 9bar	Sewage Treatment	: 25men/day	Satellite Communication	: 1 set
Liquid Mud	: 1 x 75m ³ /hr @ 88m head	Water Makers	: 1 x 12m ³ /day	Satellite Data Transmission	: 1 set x Inmarsat System
Base Oil	: 2 x 150m ³ /hr @ 90m head			CCTV	: 1 set
Cargo Sewage	: 1 x 70m ³ /hr @ 90m head			Intercommunication System	: 1 set
				PA System	: 1 set
				Search Light	: 4 set

DW/ BW Tanks (m³)			Fuel Oil Tanks (m³)			Potable Fresh Water Tanks (m³)			Dry Bulk Tanks (m³)			Cargo Sewage Tanks (m³)			Sludge Tanks (m³)		
1	TK1.C	34.00	1	SETTK.P	25.40	1	TK1.C	30.40	1	TK1.C	35.00	1	TK1.P	115.20	1	TK.P	15.10
2	TK2.P	103.80	2	SETTK.S	25.40	2	TK2.P	46.60	2	TK2.C	35.00	2	TK1.S	115.20	TOTAL: 15.10		
3	TK2.S	103.80	3	DAYTK.P	19.10	3	TK2.S	46.60	3	TK3.C	35.00	TOTAL: 230.40					
4	TK3.P	112.30	4	DAYTK.S	25.40	TOTAL: 123.60			TOTAL: 105.00						Dispersant Tanks (m³)		
5	TK3.S	110.60	5	TK1.P	39.90	Technical Fresh Water Tanks (m³)			Lube Oil Tanks (m³)			Sewage Tanks (m³)			1	TK.P	23.20
6	TK4.P	85.10	6	TK1.S	39.90	1	TK.P	80.90	1	TK1.P	15.50	1	TK1.C	25.20	TOTAL: 23.20		
7	TK4.S	85.10	7	TK2.P	63.80	2	TK.S	80.90	2	TK2.P	5.30	2	TK2.C	50.40			
8	TK5.P	48.20	8	TK2.S	66.80	3	TK.C	60.50	3	TK2.S	5.30	TOTAL: 75.60			Foam Tanks (m³)		
9	TK5.S	48.20	9	TK3.C	56.10	TOTAL: 222.40			TOTAL: 26.10						1	TK.S	23.20
10	TK6.P	55.10	10	TK4.P	112.50	Liquid Mud Tanks (m³)			Base Oil Tanks (m³)			Bilge Holding Tanks (m³)			TOTAL: 23.20		
11	TK6.S	55.10	11	TK4.S	112.50	1	TK1.P	48.70	1	TK.P	107.00	1	BLG.P	25.20	Slop Tanks (m³)		
TOTAL: 841.30			12	CLEAN_TK.P	2.50	2	TK1.S	48.70	2	TK.S	115.30	2	BLG.S	25.20	1	TK.P	8.40
			13	EM_TK.P	3.10	3	TK2.P	57.60	TOTAL: 222.30			TOTAL: 50.40			TOTAL: 8.40		
			TOTAL: 592.40			TOTAL: 212.70						Dirty Oil Tanks (m³)			ALL TANKS (m³) @ 100%		
Cargo Fresh Water Tanks (m³)			Hydro Oil Tanks (m³)			TOTAL: 212.70						1	TK.S	15.10	TOTAL: 3077.00		
1	TK1.C	86.00	1	TK.S	17.30							TOTAL: 15.10					
2	TK1.P	93.10	TOTAL: 17.30														
3	TK1.S	93.10															
TOTAL: 272.20																	



GENERAL ARRANGEMENT
BUMI POKACHI / БУМИ ПОКАЧИ
IMO : 9756511

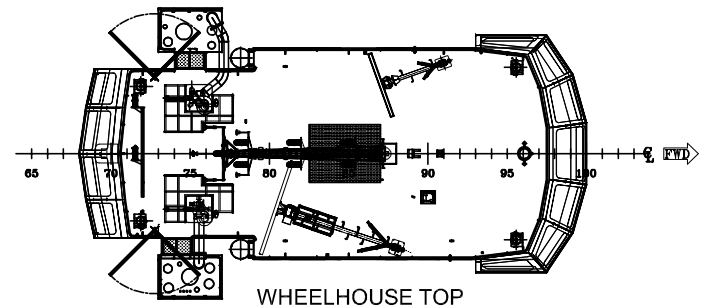
PORT OF REGISTRY: ASTRAKHAN
ПОРТ ПРИПИСКИ: АСТРАХАНЬ



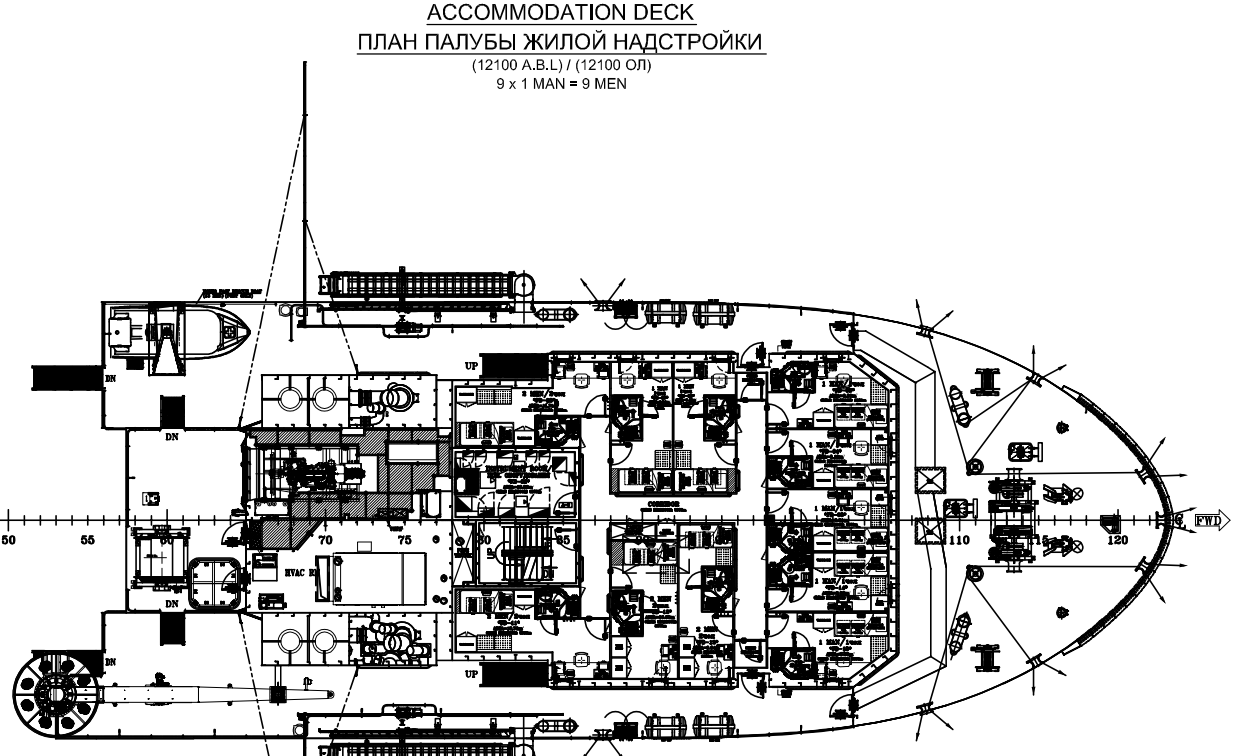
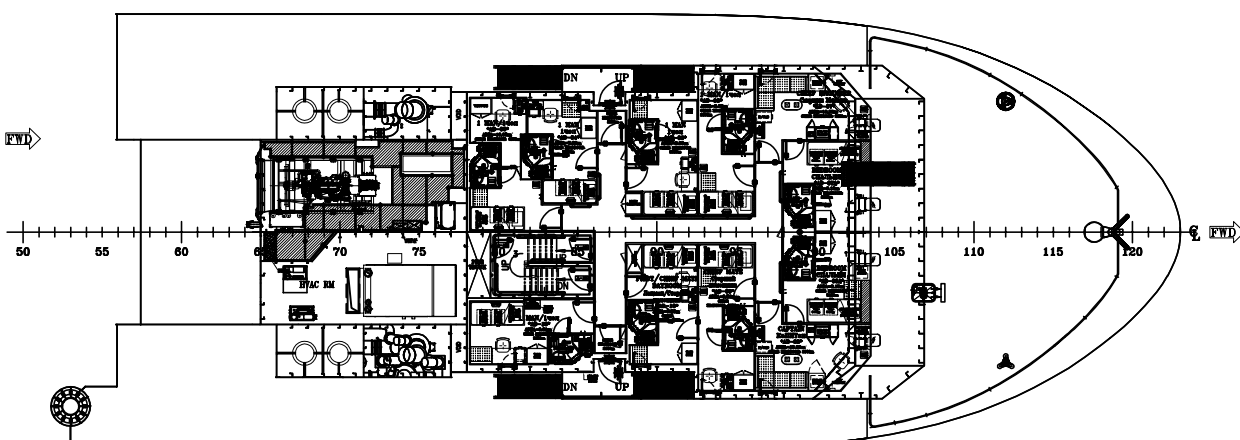
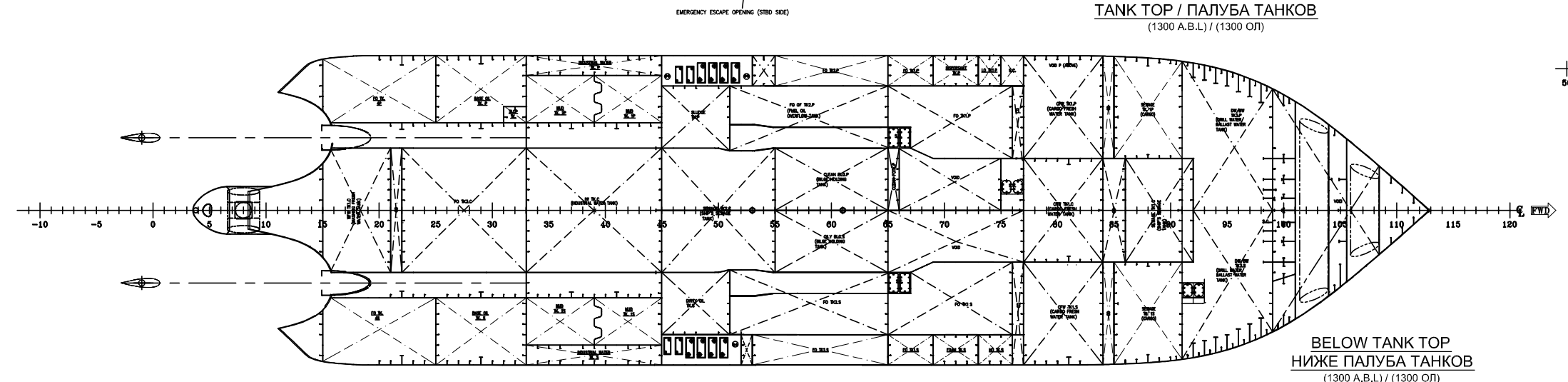
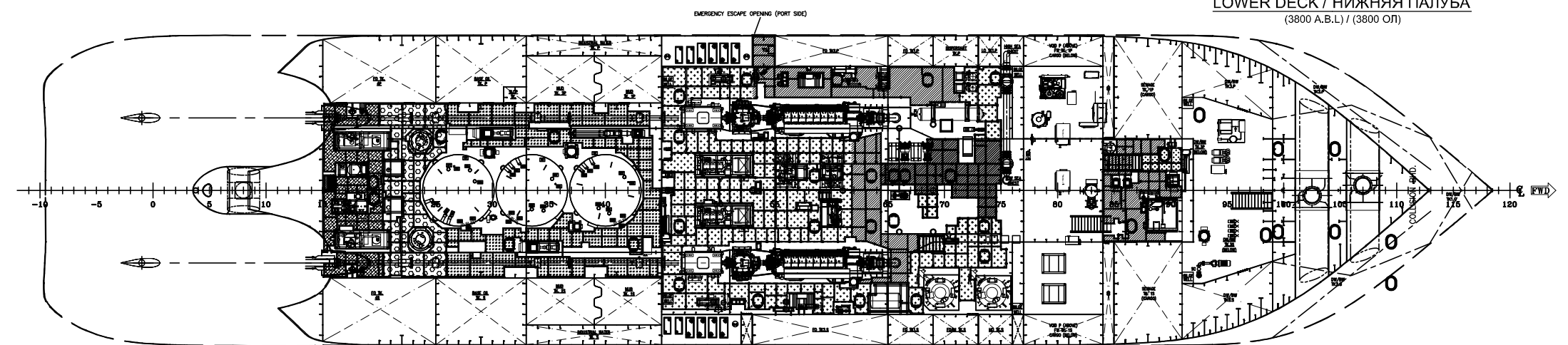
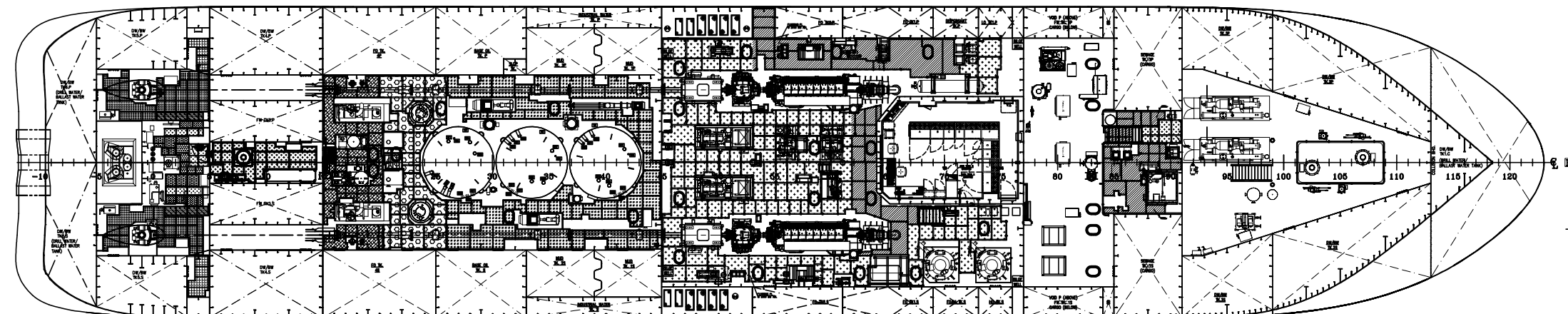
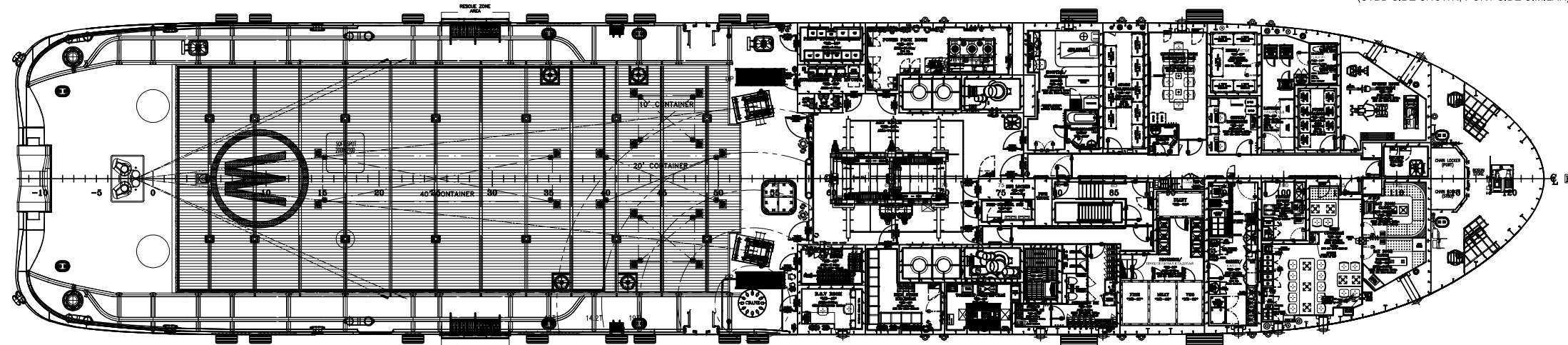
WHEELHOUSE TOP
(17250 ABL)
WHEELHOUSE DECK
(14750 ABL)
ACCOMMODATION DECK
(12100 ABL)
FORECASTLE DECK
(9200 ABL)
MAIN DECK
(6200 ABL)
TANK TOP
(1300 ABL)
BASE LINE

PARTICULARS :	
LENGTH, OVERALL	81.11 METERS
LENGTH, WATERLINE	76.36 METERS
BEAM (MOULDED)	16.50 METERS
DEPTH (MOULDED)	6.20 METERS
DRAFT (SUMMER)	3.80 METERS
DRAFT (TRANSIT)	3.10 METERS
COMPLEMENT :	
CREW	24 MEN

ОСОБЕННОСТИ:	
ГАБАРИТНАЯ ДЛИНА	81.11 МЕТРОВ
ДЛИНА ПО ВАТЕРЛИНИИ	76.36 МЕТРОВ
ЛУЧ (ФОРМОВАННЫЕ)	16.50 МЕТРОВ
ГЛУБИНА (ФОРМОВАННЫЕ)	6.20 МЕТРОВ
ПРОЕКТ (ЛЕТО)	3.80 МЕТРОВ
ПРОЕКТ (ТРАНЗИТ)	3.10 МЕТРОВ
ДОПОЛНЕНИЕ:	
ЭКИПАЖ	24 чел



MAIN DECK / ПЛАН ГЛАВНОЙ ПАЛУБЫ
(6200 A.B.L.) / (6200 Ofl)



FORECASTLE DECK
ПЛАН ПАЛУБЫ БАКА
forecastle deck (9200 A.B.L.) / (9200 Ofl)
7 x 1 MAN + 4 x 2 MEN = 15 MEN

ALTERATIONS				
REV.	AMENDMENT DETAILS	DATE	BY	PCM APP'D
0 1	AS-BUILT AS-BUILT	10/09/2015 11/02/2016	HERNIE SZW	

REFERENCE PLANS			
REF.	DWG/DOC NO	DRAWING/DOCUMENT TITLE	BY
1	MTD P227-D100	GENERAL ARRANGEMENT (REV 1)	MTD

PC
ОДОБРЕНО

141 ПОДРАЗДЕЛЕНИЕ
BRANCH OFFICE

RS
APPROVED

2016.02.25
15:17:55 +
03'00'

Letter 141-351-10.1-44371 dated 25.02.2016

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PRINT RECORD			
C : CONSTRUCTION	I : INFORMATION	A : APPROVAL	
NO PRINTED			
DATE PRINTED			
ALTERATION			
OWNER (BUMI ARMADA)			
CLASS (RMRS)			
PROJECT MANAGER			
PROJECT SUPT.			
PRODN. (HULL)			
PRODN. (OUTFIT)			
PRODN. (ACCOM)			
PRODN. (MECHANICAL)			
PRODN. (PIPING)			
PRODN. (ELECTRICAL)			
PLANNING DEPT.			
PURCHASING DEPT.			
Q.A. DEPT.			
ENGINEERING DEPT.:			
HULL/OUTFIT			
MECHANICAL/PIPING			
ELECTRICAL			
PROJECT ENGINEER			
VENDOR			
CONSULTANT			

APPROVED BY :
OWNER (BUMI ARMADA)
CLASS (RMRS)

DATE:
11/07/2014
25/06/2014 (WITH COMMENTS)

KM ARC4, AUT1-ICS, DYNPOS-2, FF3WS, SUPPLY VESSEL

Keppel Singmarine

Keppel Singmarine Pte Ltd
15 Benoi Road
Singapore 629888
Tel: (65) 6861 6622
Fax: (65) 6860 2863

Date:	8th MAY 2015	Scale:	1:200 @A1
Designed By:	KSM	Hull No.:	H384
Drawn:	JURALYN	Eng. Proj. No.:	H384
Checked:	PHILIP KOH	Basic Design Appr'd:	PHILIP KOH
Job:	SUPPLY VESSEL		
Title:	GENERAL ARRANGEMENT		
Drawing No:	H384-D100 (AS-BUILT)	Rev.	1
Sheet	1	Of	1
Sheets			