Atlantic Maritime Group FZE

AOS VISION

45M MAINTENANCE / UTILITY VESSEL

PRINCIPAL PARTICULARS

Length Overall:	45.00 m
Length LBP:	40.52 m
Breadth Moulded:	14.20 m
Depth Moulded:	4.50 m
Draft Max:	3.50 m
Year Built:	2018
GRT/NRT:	1182 / 354
Class:	
Flag:	
Call Sign:	

CARGO CAPACITIES

Deadweight:	342.26 T
Work Cargo Space:	200 m2
W/C Design Load:	5 T/m2
Potable Water:	161.4 m3
Ship/Cargo FO:	352.6 m3
Ballast/Drill Water:	251.3 m3
Lubricating Oil:	11.6 m3
Dirty Oil:	10.3 m3
Sewage Holding Tank:	10.7 m3
Bilge Tank:	10.3 m3

PROPULSION SYSTEM

Main Engines:	2 x 1300 BHP @ 2100 RPM CAT C32, IMO-TII, Heavy Duty
Reduction Gears:	REINTJES GMBH-LAF 675L K31A
Main Generator:	2 x Cummins, 380KW, 60Hz, 440V CCFJ380-Z-W-MYCM
Main Alternator:	2 x Leroy Somer, LSAM 47.2 M7
Shaft Generator:	2 x Leroy Somer, 600kW, 60Hz LSAM 49.3 M6
Emergency Generator:	1 x Cummins, 90kW, 60Hz, 450V CCFJ90-Y-W-MYCM Alternator: LSAM 44.3 S5
Bow Thruster:	1 x 6T CPP – CAT MTT 113 CL-02
Propellers:	2 x CPP – CAT – MPP 490, 4 Blades
Rudders:	2 x High Lift Flap Spade Type
Steering Gear:	2 JASTRAM Electro Hydraulic Independent Type, Twin S2-40-1-35
Maintenance Compressors:	2 x RENNER RSF-132 / 22230 L/min or 785 ft3/min @ 8.50 Bar
Compressed Air Dryer:	1 x Buran Donaldson 1175 m3/hr @ Maximum 1.60 Mpa

PERFORMANCE

Maximum Speed:	
Economical Speed:	10.0 knots, 85% MCR

SPECIFICATIONS ARE NOT CONTRACTUAL AND SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

DECK EQUIPMENT

Windlass:	1 MacGregor x 5 T @ 9.0m/min
Anchors:	2 x 1255 Kg
Chains:	Total of 660m x 30 mm
Capstan:	2 x 5T @ 15 m/min
Tugger Winch:	2 x 5T @ 10 m/min
Deck Crane:	1 MacGregor x Electro Hydraulic
	SWL: 20 T @ 4m Working Radius
	4 T @ 20 m Working Radius
	30 m Boom Extension

RADIO AND NAVIGATION

GMDSS (A1+A2+A3)	FURUNO FS-2575
Radar:	1 Furuno x FAR-2117-D, X Band
Radar:	1 Furuno x FAR-2137-D, S Band
GPS:	2 Furuno x GP-170
Echo Sounder:	1 Furuno x FE-800
Navtex:	1Furuno x NX-700A
Auto-Pilot:	1 Anschutz x NP 60
Gyro Compass:	1 Anschutz x Standard 22
Inmarsat -C:	1 Furuno x Felcom 18
Speed Log:	1 Furuno x DS-60
SART:	2 Ocean Signal x S100
EPIRB:	1 Ocean Signal x E100
AIS:	1 Fruruno x FA-170
Port. GMDSS VHF:	3 Icom x IC-GM 1600
Weather Fax:	1 Furuno x FAX-408
Portable VHF:	3 x Motorola GP328
BNWAS:	1 x Furuno BR 500
Chart Plotter:	1 x Garmin GPSMAP7412

LIFE SAVING & HSE

Search Lights:	2 x 2,000w & 2 x 1,000w
Floodlights:	6 x 500W
Life Rafts:	6 x 20 Men
Lifejackets:	38 Nos.
Lifebuoys:	8 Nos.
Rescue Boats:	1 x Rescue Boat, 6 PAX

DISCHARGE RATES

FW Cargo Pump:	90 m m3/hr @ 30m head
FO Cargo Pump:	92 m3/hr @ 38.2 m head
Dirty Oil/Sludge Pump:	5 m3/hr @ 45 m head
Fire/GS/Bilge/Ballast pump:	2 x 80 m3 @ 60 m head
Bilge Pump:	2 x 35 m3/hr @ 25 m head
	1 x 2 m3/hr @ 25 m head
Emergency Fire Pump:	1 x 35 m3/hr @50 m head

ACCOMMODATION

Configuration:	
Single Cabin:	1 Man x 4
Twin Cabin:	2 Men x 15
Total:	34 Men

Accommodation is fully air conditioned.

GALLEY & LAUNDRY

Electric Cooking Range:	1 x 4 Hot Plates
Refrigerator Capacity:	300 Litres
Freezer/Chiller Room Capacity:	11.5 m3 / 12.5 m3
Electric Water Boilers:	2 x 30 Litres
Washing Machines:	3 x 10 Kgs
Dryers:	3 x 10 Kgs
Fodable Iron:	1 with Ironing Table

FIRE-FIGHTING

1 x CO2 System: Engine Room, Paint Locker and Galley

MISCELLANEOUS

Sewage Treatment:	1 x Treatment Plant for 40 Men
	Sewage Discharge pump 53.0 m3/hr
Oily Water Separator:	1.0 m3/hr
Freshwater Maker:	1 Set / 8 T Per Day

Main & Emergency Switch Boards

(Include PMS): **SAIERNICO**

Atlantic Maritime Group FZE

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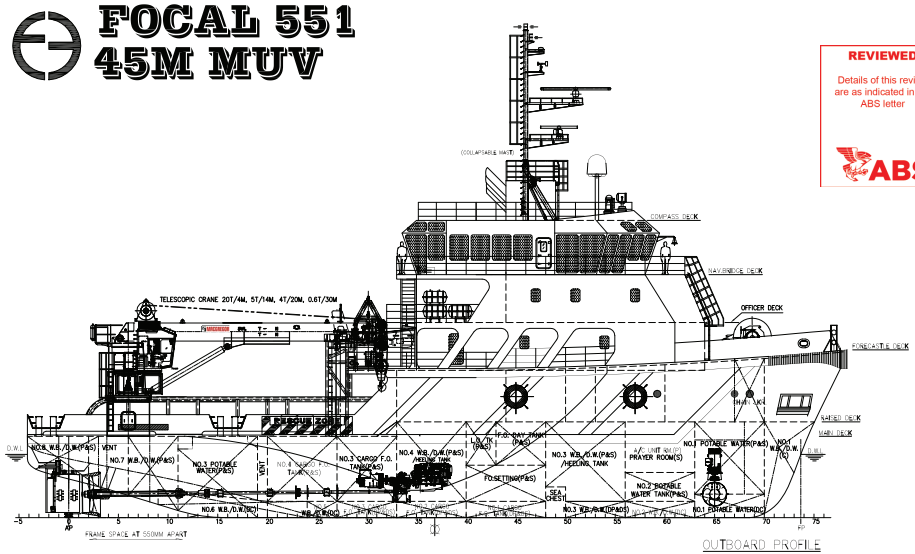
FOCAL 551
45M MUV

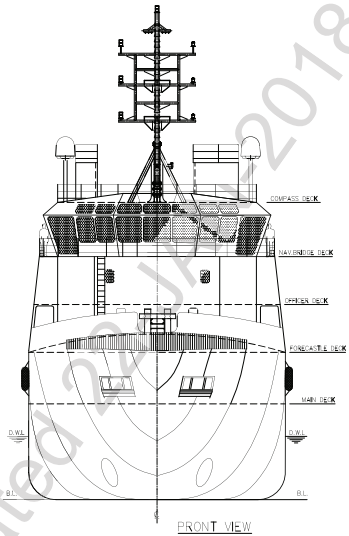
REVIEWED

Details of this review are as indicated in the ABS letter

ABS



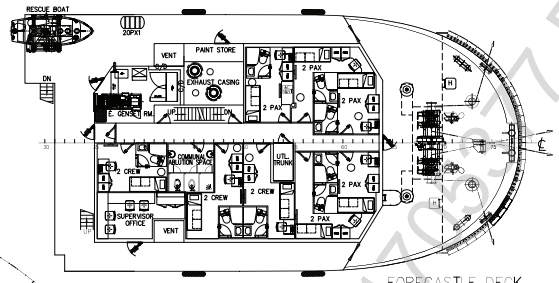
OUTBOARD PROFILE



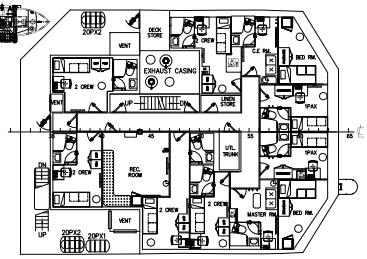
FRONT VIEW

PRINCIPAL PARTICULARS & CAPACITIES

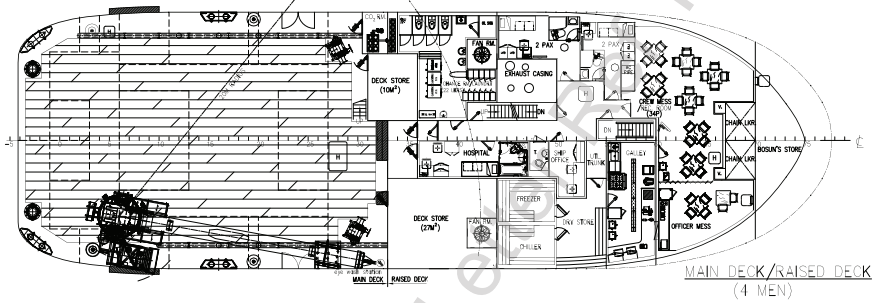
LENGTH OA	45.00M
LENGTH BP	40.52M
BEAM MLD.	14.20M
DEPTH MLD.	4.50M
DRAFT SCANTLING	3.50M
DRAFT DESIGNED	3.20M
COMPLEMENT	34 MEN
MAIN ENGINE	2 x 1,300 BHP
DECK LOADING	5T/M^2
TRIAL SPEED	10.5 KTS
CARGO DECK AREA	200 M^2
FUEL OIL	350 M^3
W.B./D.W.	250 M^3
POTABLE WATER	160 M^3



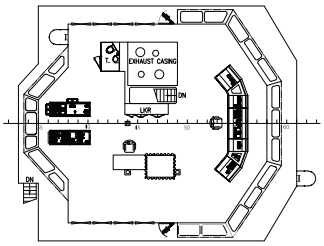
FORECASTLE DECK
(16 MEN)



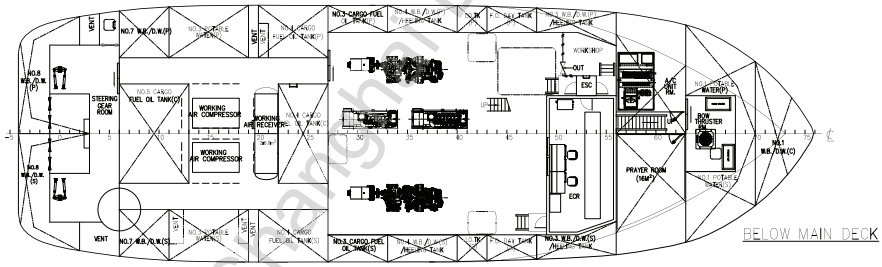
OFFICER DECK
(14 MEN)



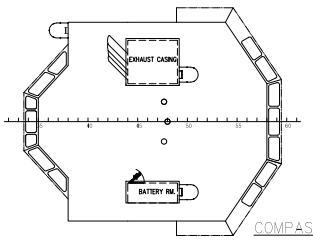
MAIN DECK/RAISED DECK
(4 MEN)



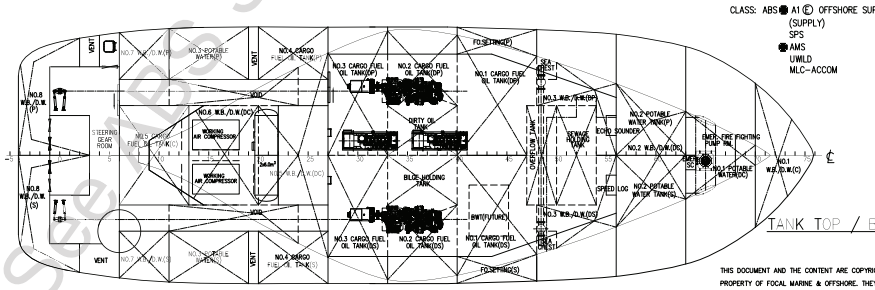
NAV. BRIDGE DECK



BELOW MAIN DECK



COMPASS DECK



TANK TOP / BOTTOM

CLASS: ABS ✠ A1 Ⓔ OFFSHORE SUPPORT VESSEL
(SUPPLY)
SPS
✠ AMS
UWLD
MLC-ACCOM

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REV NO.	REVISION DESCRIPTION	BY	DATE
9	AMENDED AS BUILT ON SITE	ZF	DEC-28-2017
8	AMENDED AS DESIGN PROGRESS	YP	SEP-30-2016

OWNER: ATLANTIC MARITIME GROUP FZE

BUILDER: WUCHANG SHIPBUILDING INDUSTRY CO., LTD
HULL NO.: BG0012A09M/BG0013A09M/BG0014A09M/BG0015A09M

PROJECT: 45M MAINTENANCE / UTILITY VESSEL "FOCAL 551"

APPROVE		DWG TITLE: GENERAL ARRANGEMENT	JOB NO.: P-1919
VERIFY			DWG NO.: P-1919-G01
CHECKER			SCALE : 1:125 (A1)
DRAWER	YP		CLASS : ABS

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See ABS Shanghai Letter No. T170837 Dated 24 JAN 2018