



AOS NEPTUNE



Atlantic Maritime Group FZE

www.atlanticnavigation.com

GENERAL PARTICULARS

Year of Build / Place	: 2015 / China
IMO Number	: 9783629
Call Sign	: 3EYF6
Flag / Port of Registry	: Panama / Panama
Class	: ABS
Notation	: ⚡ A1, FFV1, OSR-C2, Offshore Support Vessel, Supply, E, ⚡ AMS, ⚡ ACCU, ⚡ DPS-2
GRT / NRT	: 2987 / 924
Vessel Manager	: Atlantic Maritime Group

DIMENSIONS

Length OA	: 75.00 m
Length BP	: 64.47 m
Breadth	: 17.25 m
Depth	: 8.00 m
Draft (Maximum)	: 6.60 m
Displacement @ Max. Draft	: 5732 T
Deadweight @ Max. Draft	: 3241 T
Lightship	: 2491 T

MACHINERY

Main Engine	: 2 x Yanmar 8EY26W @ 750 RPM Total: 6000 BHP; 4420 kW
Gear Box	: KUMERA (Fi - Fi / Shaft)
Main Generators	: 3 x Caterpillar C18, 492 kW, 415 V, 50Hz @ 1500 RPM
Shaft Generators	: 2 x Cummins PM734E2, 1200 kW, 415 V, 50 Hz
Emergency Generator	: 1 x Cummins, 130 kW, 415 V, 50 Hz @ 1500 RPM
Propellers	: 2 x Kawasaki Rexpeller Azimuth Thruster, 245 RPM
Bow Thrusters	: 2 x Nakashima TCT - 150, Tunnel, 650 kW, 10 T Thrust 1 x Nakashima TCT - 135, Tunnel, 520 kW, 8 T Thrust

FIRE FIGHTING & SAFETY EQUIPMENT

Fi-Fi Pumps	: 2 x 1800 m ³ / hr @ 120 m Head
Fi-Fi Monitors	: 2 x 1200 m ³ / hr with Remote Control
Fixed CO2 System	: In Engine Room
Rescue Boat & Davit	: 1 x 9 Pax (Open Type) & 30 KN Single Arm
Life Rafts	: 8 x 25 Persons (Inflatable - Throw Type)
Life Buoys	: 8 Nos
Fire Hydrants	: 17 Nos (50 NB) & 8 Nos (65 NB)
Life Jackets	: 67 Nos
Cascade System (Optional)	: Available

DECK MACHINERY & EQUIPMENT

Deck Crane	: 1 x Hydraulic Knuckle Boom Pedestal Crane
On Board SWL	: Main Hook 32 T @ 6 m & 7.5 T @ 20.10 m Radius Aux Hook 10 T @ 10.7 m & 7.3 T @ 20.7 m Radius
Off Board SWL	: Main Hook 25 T @ 6 m & 5.6 T @ 20.1 m Radius Aux Hook 10 T @ 10.7 m & 4.7 T @ 20.7 m Radius
Windlass	: 1 x Mentrade; Hydraulic; 12 T @ 12 m / min Double Gypsies with Double Warping Ends
Capstans	: 2 x Mentrade; Hydraulic; 10 T @ 15 m / min
Anchors	: 2 x 1980 KG D - 14, HHP Anchor
Chains	: 14 Shots each side 385 m x 50 mm
Tugger Winch	: 2 x Mentrade; Hydraulic; 15 T @ 15m / min
Motion Compensating Gangway (Optional)	: 1 x 15 m Offshore Docking Gangway; UNDERTUN Live Load: 1 Person & Emergency Load: 3 Person

DP SYSTEM

Make	: Kongsberg K-Pos-21 DP-2
	: 2 x DGPS, 1 x Radius, 1 x Cyscan; 3 x Gyro compass 3 x Wind Sensors; 3 x MRUs; 1 x cJoy

CAPACITIES & PERFORMANCE

Fresh Water Tank	: 553.10 m ³
Fuel Oil Tank	: 726.30 m ³
Drill Water / Cargo Fresh Water Tank	: 1517.30 m ³
Permanent Fresh water Tank	: 80.00 m ³
Mud Tank	: 739.40 m ³
Cement / Bulk Storage Tank	: 227.80 m ³
Base Oil Tank	: 132.60 m ³
Foam and Dispersant Tank	: 12.20 m ³ (Each)
Bilge, Ballast & Fire / GS Pump	: 3 x 80 m ³ / hr @ 70 m Head
Fresh Water Pump	: 1 x 150 m ³ / hr @ 80 m Head
Drill Water/ Cargo Fresh Water Pump	: 1 x 150 m ³ / hr @ 80 m Head
Cargo Fuel Oil Pump	: 2 x 150 m ³ / hr @ 80 m Head
Mud Pump	: 2 x 75 m ³ / hr @ 90 m Head
Deck Cargo Space	: 700 m ²
Design Deck Load	: 5.5 T / m ²
Deck Cargo Capacity	: 1200 T
Speed	: 12.5 knots
Fuel Consumption	: 12 m ³ / day @ CSR 21 m ³ / day @ MCR
Bulk Air Compressor	: 2 x 25.6 m ³ / min @ 6 bar; Ingersoll Rand
Starting / Service Air Compressor	: 3 x 30 m ³ / hr @ 30 bar
Sewage Treatment Plant	: 58 Persons
Oily Water Separator	: USCH - 10; Capacity - 1 x 1.0 m ³ / hr
Fresh Water Maker	: 2 x SW 10TK; Capacity - 10 m ³ / day (Each)
Chiller & Freezer	: 1 Month for 58 Persons
Dispersant System	: Available
Power Supply Sockets (Deck)	: 5 x 415 V @ 32 A; 1 x 415 V @ 63 A

NAVIGATION & COMMUNICATION EQUIPMENT

Fixed VHF	: 2 x JRC - JHS-770
Portable VHF (GMDSS)	: 3 x Jotron Tron TR20
MF/ HF/ DSC	: 1 x JRC - JSS-2150
Navtex	: 1 x JRC - NCR 333
Auto Pilot	: Alphatron (Alphaseapilot MFC)
Magnetic Compass	: 1 x Saura
Gyro Compass	: 3 x Yokogawa CM2900
AIS	: 1 x JRC - JHS 183
GPS	: 1 x JRC - JLR 7500
EGC	: 1 x JRC - JUE 87
SSAS	: 1 x JRC - JUE 87
GMDSS	: Area A1+A2+A3
Inmarsat C	: 1 x JRC - JUE 87
Radar	: 2 x JRC - JMA 5312/JMA 5332
EPIRB	: 1 x Jotron Tron 60S
SART	: 2 x Jotron Tron SART 20
Intercom/ P.A System	: Hanchin HX-72
V-SAT	: V-Sat Broadband (High Speed)

ACCOMMODATION

1 Man Cabin	: 6 Nos
2 Man Cabin	: 26 Nos
Total	: 58 Person
Hospital	: 1 No
Recreation Room	: 1 No
Mess Room	: 1 No
Office	: 2 No

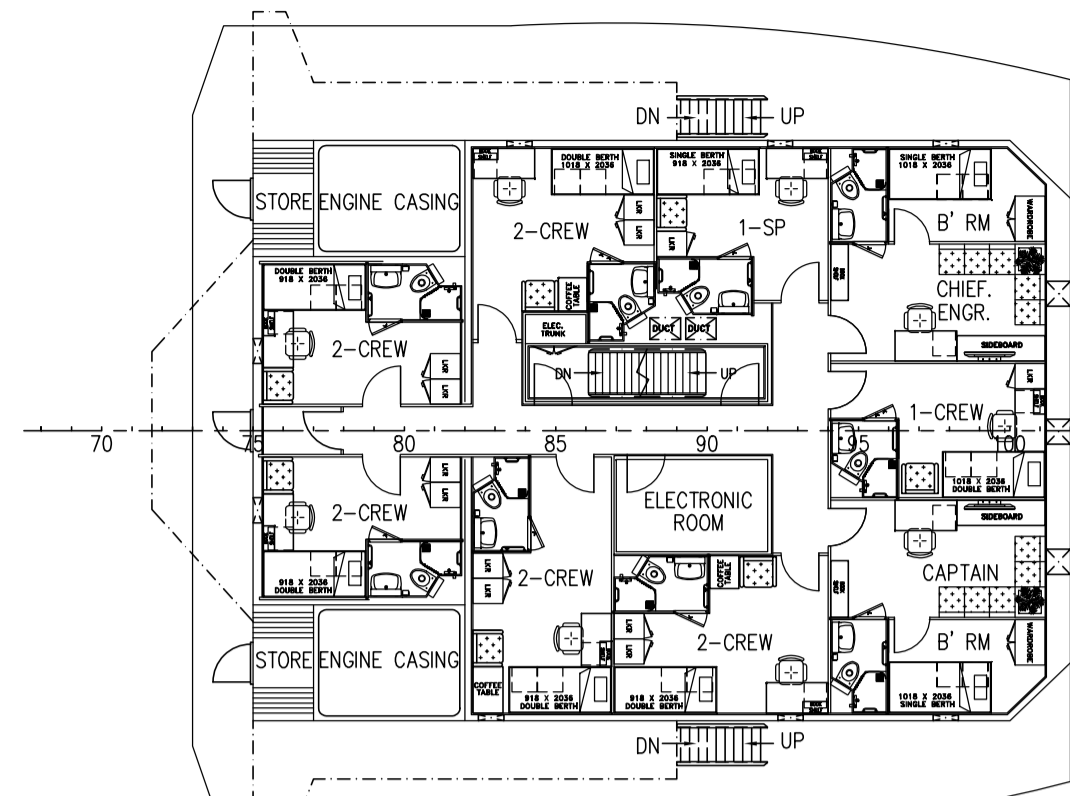
All Cabins are Fully Air Conditioned

KC-33H PSV

PRINCIPAL DIMENSIONS

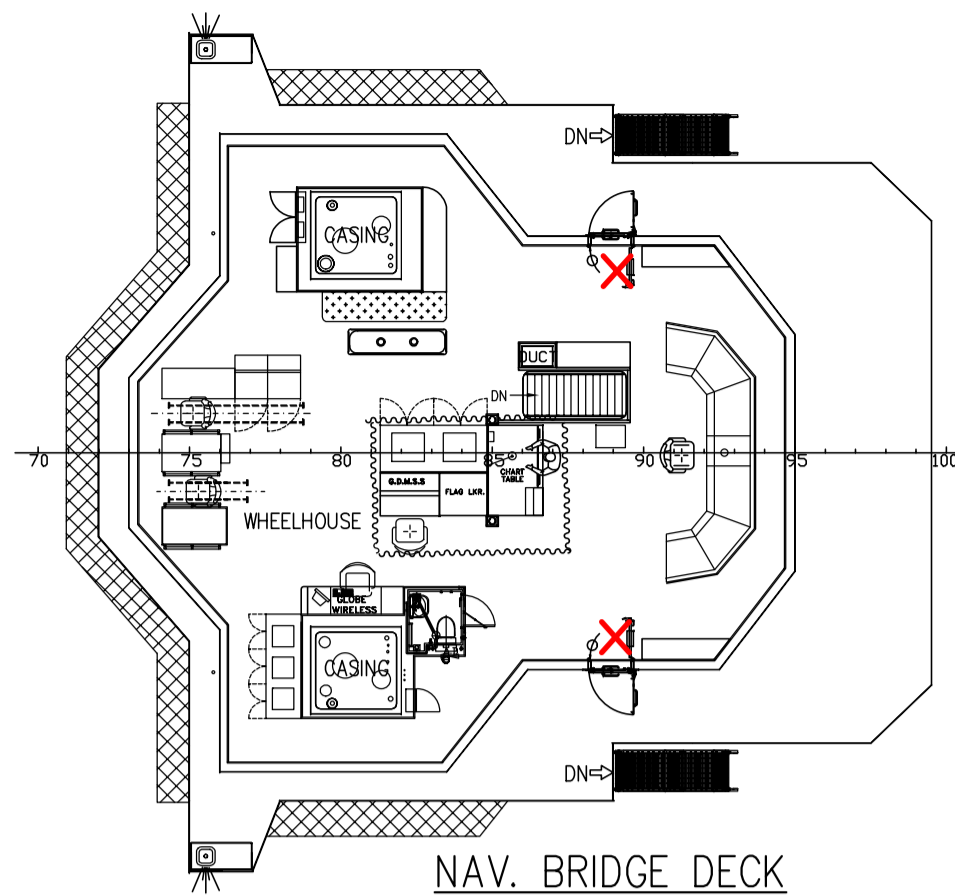
LENGTH (O.A.)	75.00 M
LENGTH (W.L.)	72.52 M
LENGTH (B.P.)	67.47 M
BEAM (MLD.)	17.25 M
DEPTH (MLD.)	8.00 M
MAX. DRAFT (MLD.)	6.60 M
TOTAL DWT	3233 TONS
FUEL OIL	720 M ³
FRESH WATER	550 M ³
MUD/ BRINE /R.O.	740 M ³
BASE OIL	130 M ³
CLEAR DECK AREA	700 M ²
DECK CARGO (DECK LOADING = 5.5T/M ²)	1200 TONS
DRY BULK TANKS (4x2000 FT ³ = 8000 FT ³)	226 M ³
MAIN PROPULSION	2 X 3000 PS
SPEED (TRIALS)	13.0 KNOTS
COMPLEMENT	CREW - 17 MEN SPECIAL PERSONEL - 41 MEN

CLASS & NOTATION :
 ABS * A1 Ⓢ OFFSHORE SUPPORT VESSEL(SUPPLY, FFV1,
 OSR-C2), SPS, *AMS, *ACCU, *DPS-2, RW

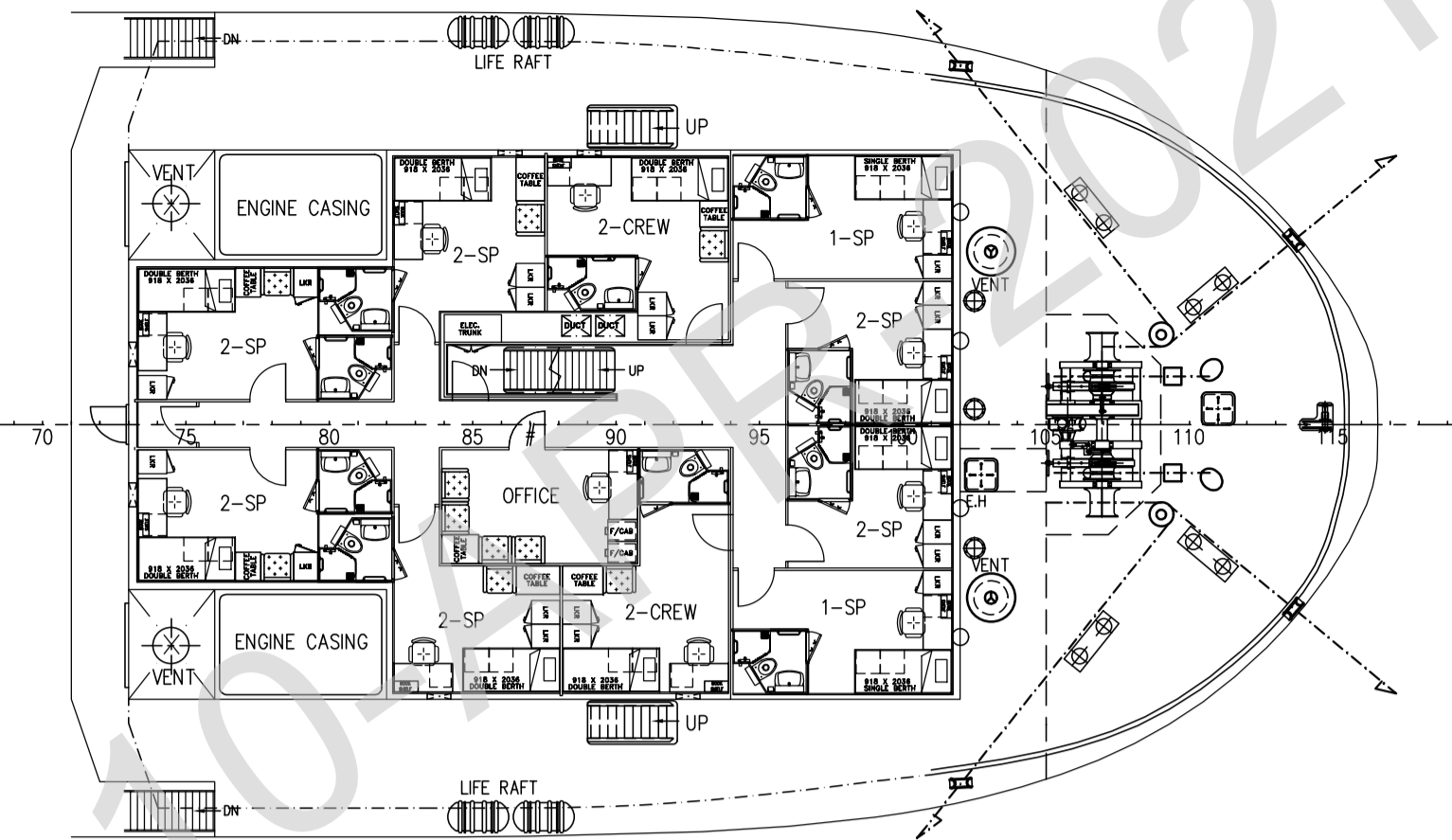


OFFICER DECK

1 x 1-SP	= 1 MEN
3 x 1-CREW	= 3 MEN
5 x 2-CREW	= 10 MEN
TOTAL	= 14 MEN

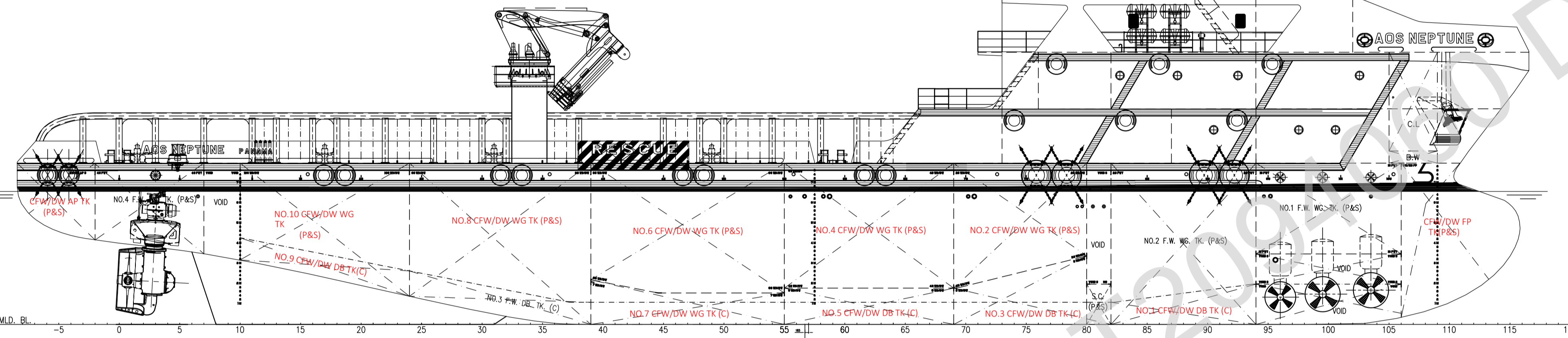


NAV. BRIDGE DECK

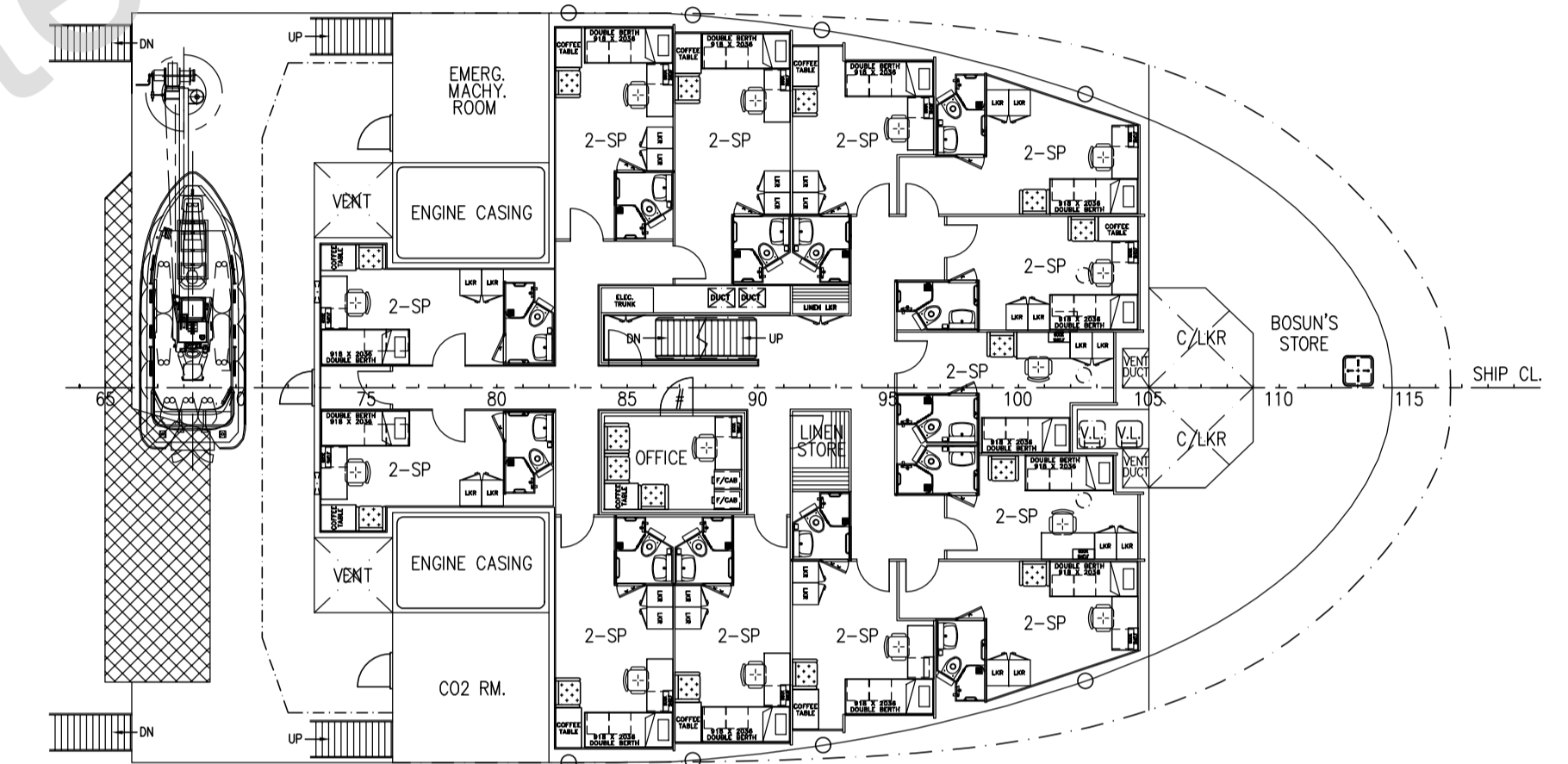


UPPER FORECASTLE DECK PLAN

2 x 2-CREW	= 4 MEN
6 x 2-SP	= 12 MEN
2 x 1-SP	= 2 MEN
TOTAL	= 18 MEN

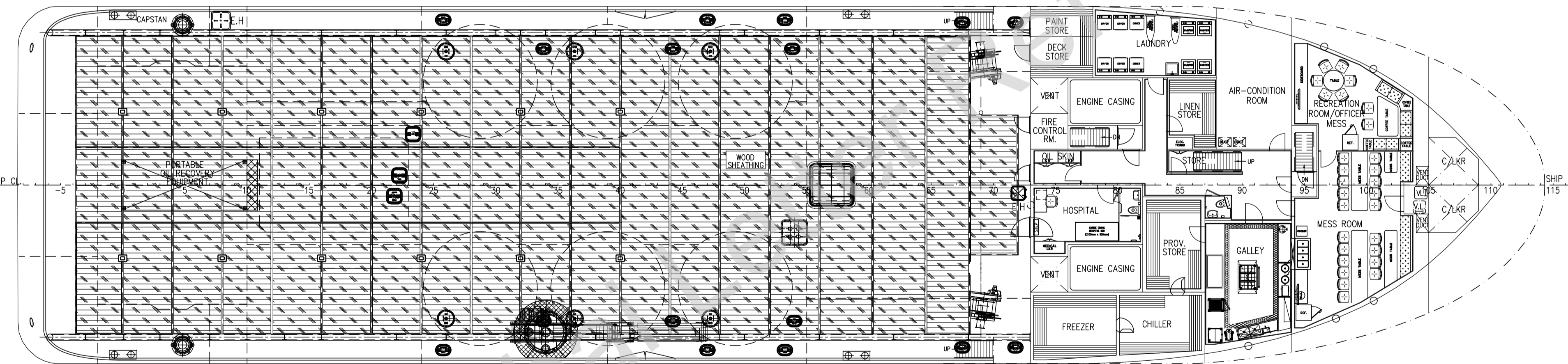


OUTBOARD PROFILE

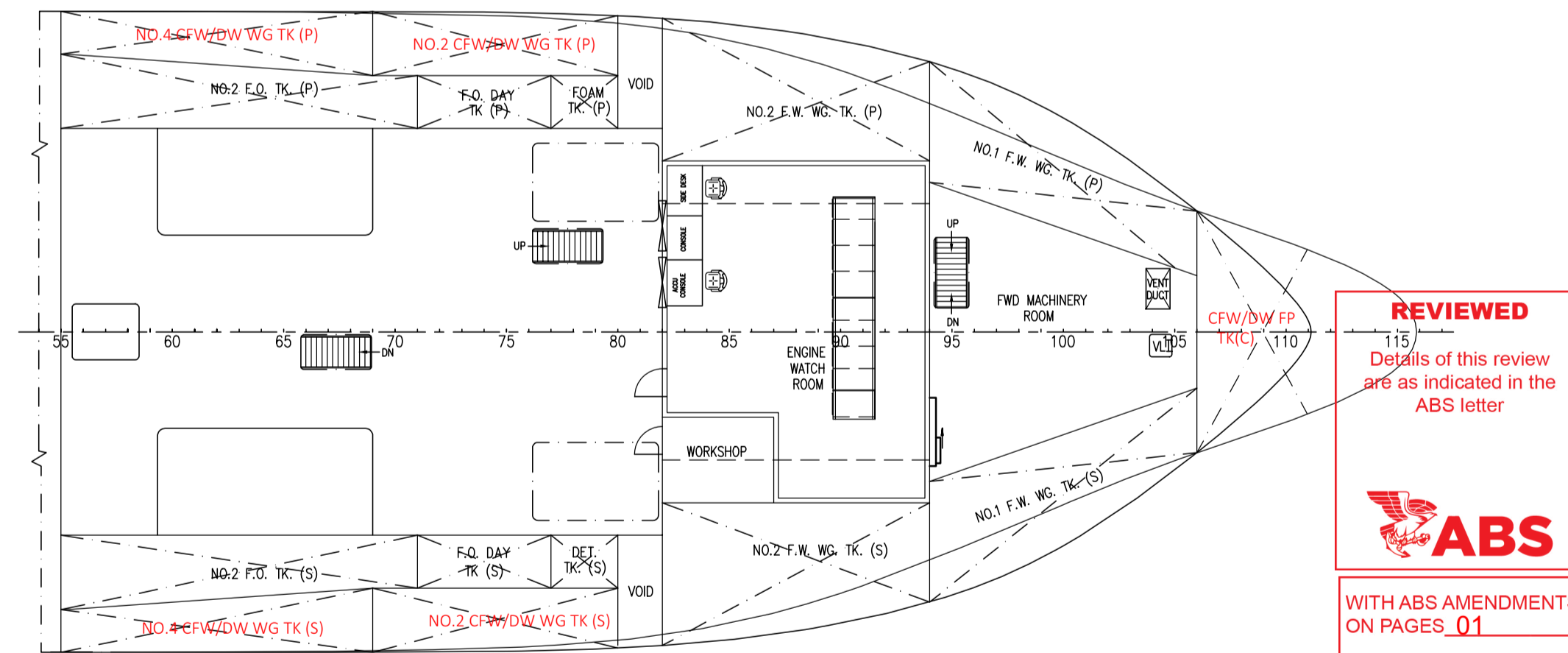


FORECASTLE DECK PLAN

13 x 2-SP	= 26 MEN
TOTAL	= 26 MEN



MAIN DECK PLAN



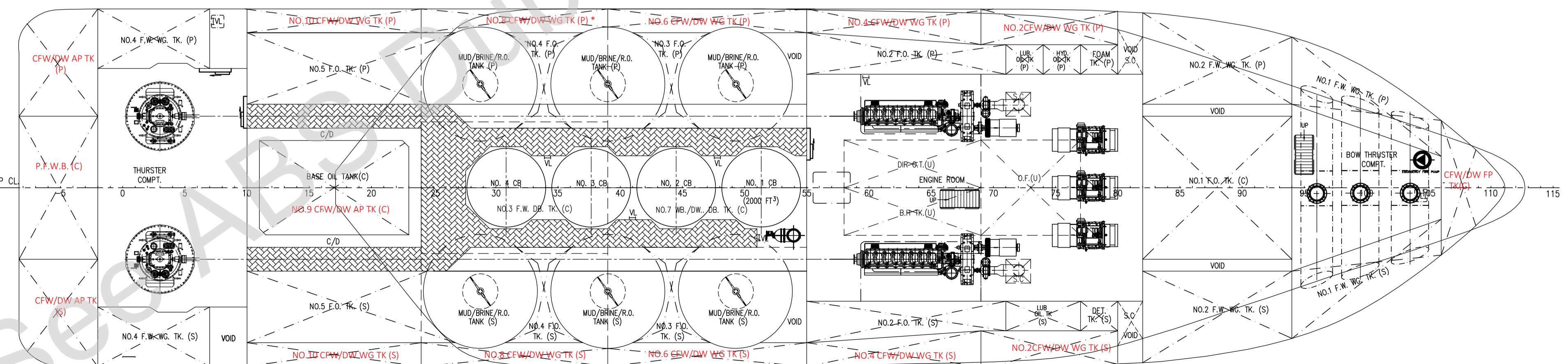
TWEEN DECK PLAN

REVIEWED
 Details of this review are as indicated in the ABS letter

ABS

WITH ABS AMENDMENTS ON PAGES 01

WITH ABS COMMENTS #S NA



BELOW DECK PLAN

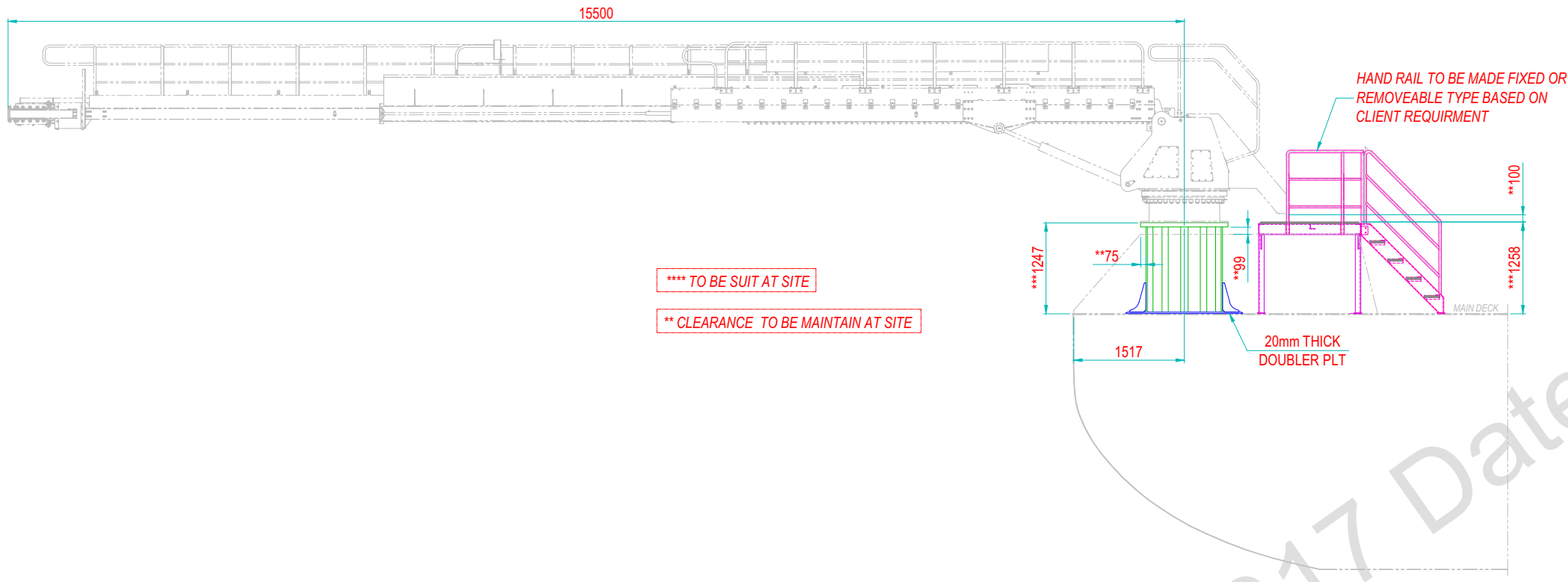
NOTE:-

- PLEASE NOTE MUD/BRINE/R.O. TANK SHALL CARRY RECOVERY OIL & POLLUTION HAZARD ONLY SUBSTANCES LISTED IN IMO A.673 HAVING A FLASHING POINT EXCEEDING 60°C.
- APPROPRIATE ARRANGEMENTS TO AVOID INJURY TO PERSONS IN THE CORRIDOR SHALL BE CONSIDERED.
- A TOE BOARD OR KICK PLATE BE INSTALLED ON THE BRIDGE WING DECK BELOW THE LOWER RAIL COURSE.
- DECK AREA FOR HANDLING OIL AND OIL-BASED LIQUID TO BE PROVIDED WITH A COAMING OF AT LEAST 150MM HEIGHT AROUND ALL PUMPS, TRANSFER FLANGE, CONNECTIONS AND OTHER EQUIPMENT WHERE LEAKAGE MAY OCCUR. COAMING FOR RECOVERY OIL MAY BE OF REMOVABLE TYPE.

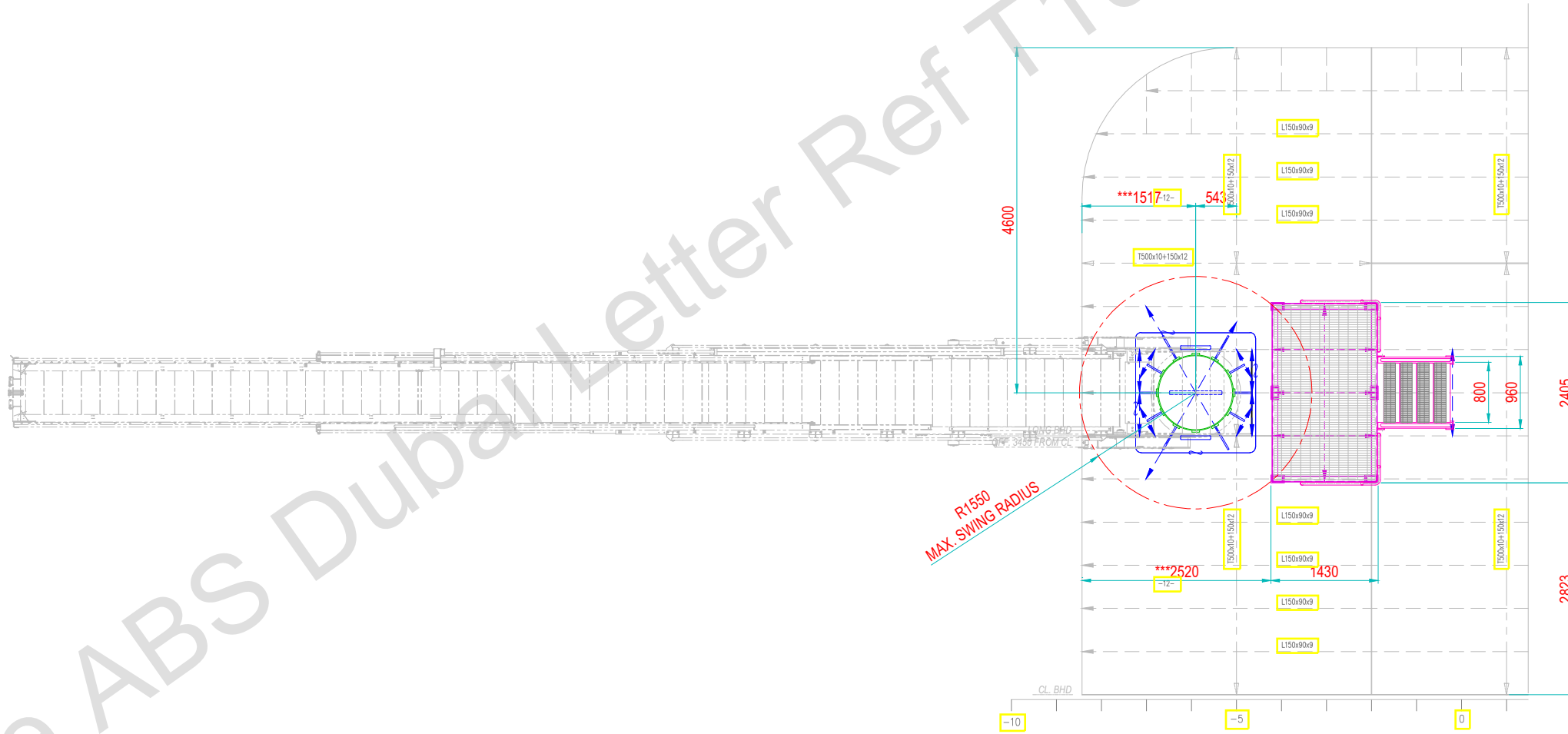
Review is limited to the conversion of existing ballast water tanks to cargo freshwater and permanent tank sealed tanks only.

17/03/2021	---	---	UPDATED AS PER DESIGN PROGRESS	ANV	RS
02/02/2021	---	---	ISSUED FOR REVIEW	ANV	RS
REV.	DATE	MARK	ZONE	DESCRIPTION	MOD.BY/CHK.BY
			REVISIONS		
CLIENT			ATLANTIC MARITIME GROUP FZE	SHIP	
				AOS NEPTUNE	
VEDAM			DESIGN & TECHNICAL CONSULTANCY	TITLE	
				GENERAL ARRANGEMENT	
SCALE	DRAWN	ANV	HULL NUMBER	DRAWING NUMBER	REV
1:150	CHECKED	RS	---	V1084-G-01	1
SIZE: A1	VERIFIED	ROY	DATE: 17/03/2021	SHEET: 1	

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GANGWAY LOCATION (OUTBOARD PROFILE)
(SCALE 1:50)



GANGWAY LOCATION (PLAN VIEW)
(SCALE 1:50)

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. DIMENSIONS SHOWN DO NOT INCLUDE ALLOWANCE FOR GREEN.
3. ALL SCALLOPS ARE OF 25mm RADIUS UNLESS NOTED.
4. CONNECTION BETWEEN ALL MEMBERS TO BE FULL PENETRATION WELDING U.N.O
5. LEG LENGTH OF ALL FILLET WELDS TO BE 0.7 x MIN THK. OR MIN 5 mm. WHICHEVER IS GREATER.
6. ——— CONTINUOUS
7. - - - INTERCOSTAL
8. FABRICATOR TO VERIFY ALL DIMENSIONS ON SITE BEFORE THE FABRICATION.
9. ALL THE STRUCTURE MATERIAL GRADE TO BE ABS AH36/DH36/EH36.
10. ALL SHARP EDGE CORNERS OF THE SKID SHALL BE SMOOTH GRINDED.
11. PEDESTAL PLATE (ITEM No:1 MATERIAL GRADE TO BE AH70.

LEGENDS

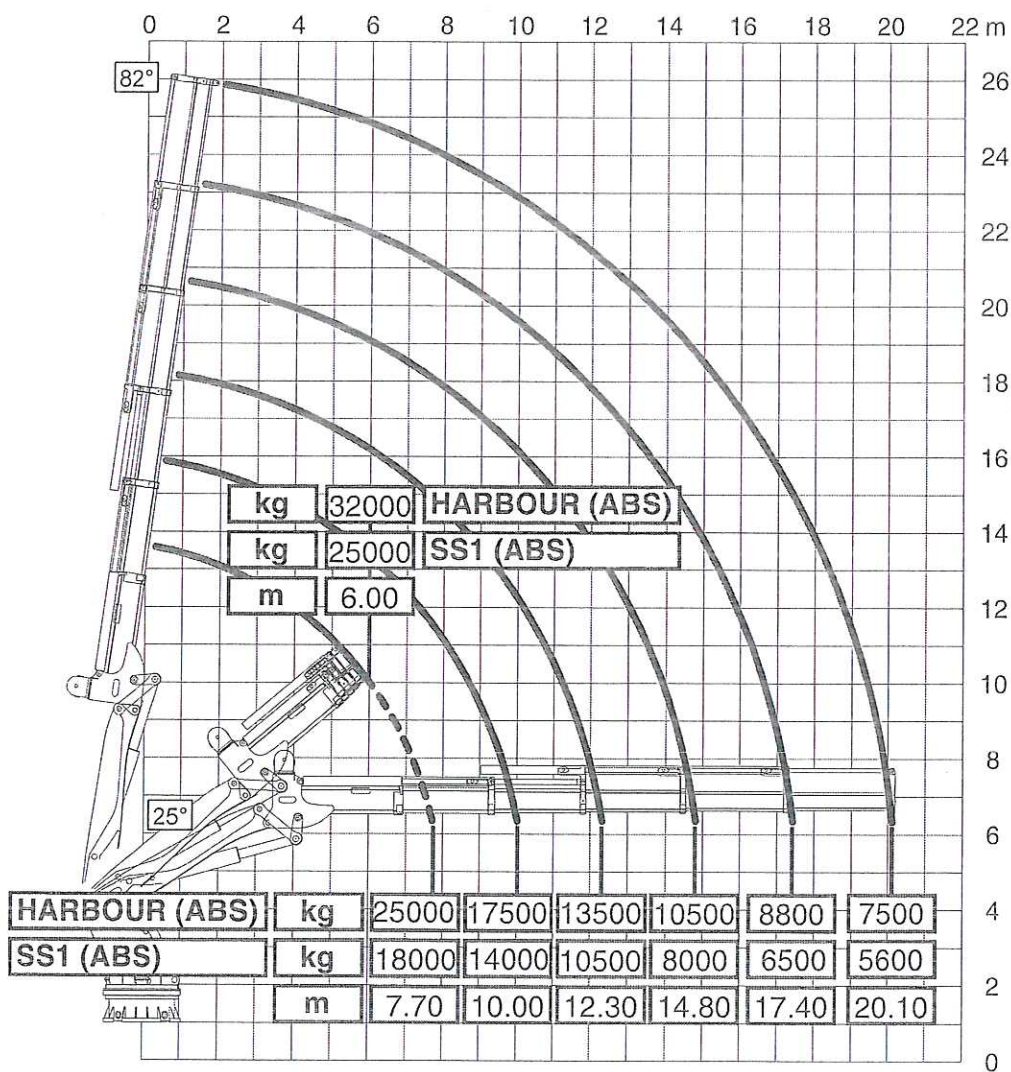
	V.F.E
	EXISTING HULL
	NEW MEMERS

CLIENT REV.	B5	11/12/2019	ISSUED FOR REVIEW	MR	SMS	DPV
REASON FOR ISSUE	GPMC REV.	ISSUE DATE	REASON FOR ISSUE	DRAWN BY	CHECKED BY	APPROVED BY
CLIENT			PROJECT			
ATLANTIC MARITIME GROUP			DESIGN OF MEZZANINE DECK AND GANGWAY			
Green Palm Marine Consultancy FZE Suite No. 1101, Mai Tower, Al Nadha-1, Amman Street, P.O.Box 48072, Dubai, U.A.E. Tel: +971(0)42391722 Email: info@gpmc.sg, www.greenpalmconsultancy.com						THIS DOCUMENT IS FORWARDED TO THE RECIPIENT SOLELY FOR USE IN CONNECTION WITH PROJECT 3494. AND IS TO BE HELD IN CONFIDENCE.
PROJECT No.	3494	CLIENT DOCUMENT No.	CLIENT REV.			
TITLE						SCALE
GANGWAY PEDESTAL AND PLATFORM LOCATION DRAWING						AS SHOWN
GPMC DRAWING No.						FORMAT
GPMC/3494/2A/DG/208						A3
SHT. No.					REV.	
1/3					B5	

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245000 5S

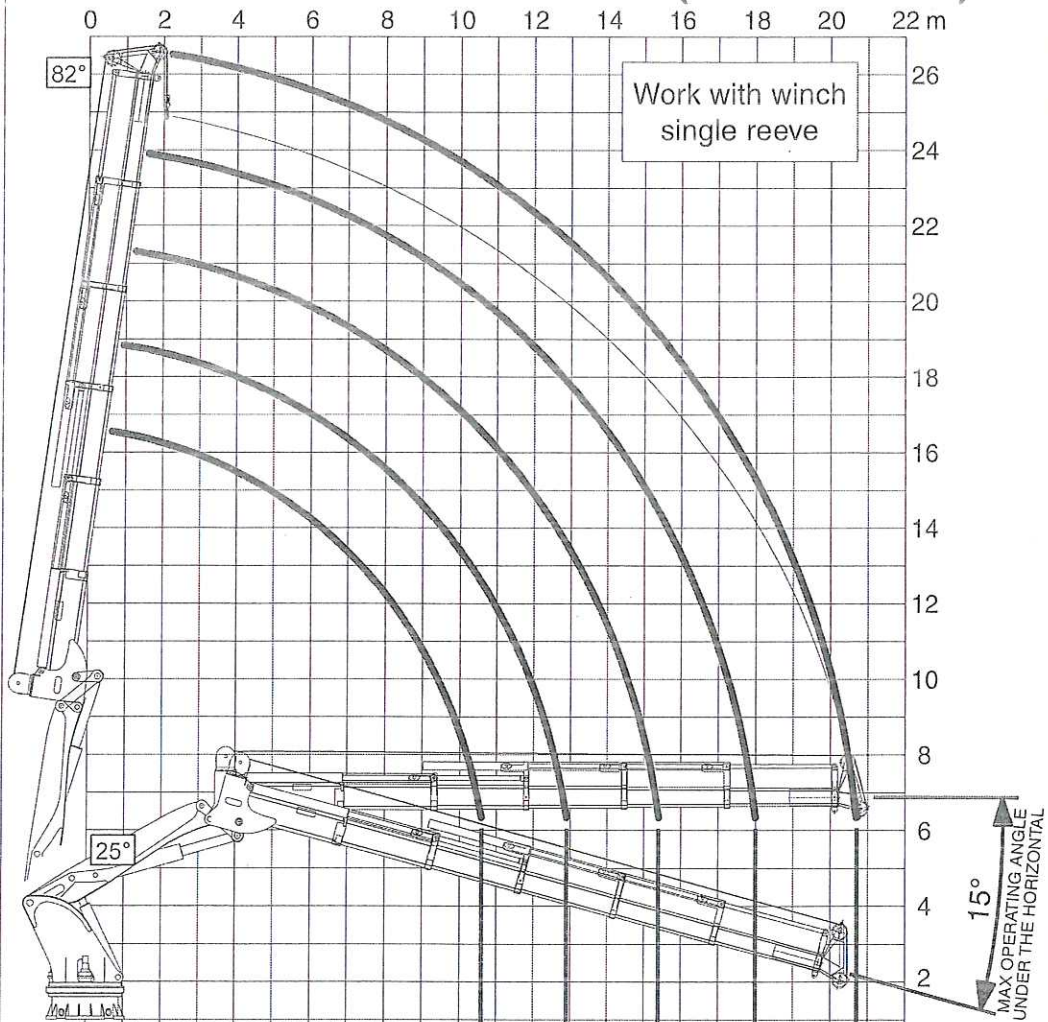
LIFTING WITH HOOK





245000 5S

LIFTING WITH WINCH (10 t winch)



HARBOUR (ABS)	kg	10000	10000	10000	8500	7300
SS1 (ABS)	kg	10000	8600	6700	5500	4700
	m	10.7	13.0	15.5	18.1	20.7

MIN OPERATIONAL HORIZONTAL OUTREACH

AD4A009_0