



BRITOIL COMMANDER

8,050 BHP | 85 t BP | DP2 AHTS — DIESEL-ELECTRIC

ABS Class Notation: A1, Offshore Support Vessel (AH, FFV 1, Supply-HNLS, TOW), AMS, ACCU, DPS-2

Additional Notation: CRC(I), ENVIRO, OSR-C1

Main Particulars

Particular	Detail
Flag	Singapore
IMO	9619024
Built	2012
Length Overall	65.8 m
Depth	6 m
Breadth (Moulded)	16 m
Design Draft	4.3 m
Max Draft	5.1 m
Gross Tonnage	2,210 t
Deadweight (Max Draught)	1,901 t

Machinery & Propulsion

Component	Specification
Main Diesel Generators	3 x 2,000 kW @ 1,800 rpm; 3-phase 480 V AC, 60 Hz
Propulsion Thrusters	2 x 1,685 kW L-drive FPP in nozzles; 360° azimuth
Stern Thruster	1 x 1,685 kW L-drive FPP in nozzle; fixed
Bow Thrusters	2 x 560 kW FPP bow thrusters
Emergency / Harbour Generator	1 x 276 kW

Deck & Anchor Handling Equipment

Equipment	Rating / Size
AH / Towing Winch	Towing / anchor-handling electro-hydraulic high-pressure winch with 2 drums in waterfall arrangement ø900 / ø2,250 mm x 1,800 mm length
- Drum Size	1,500 m x ø56 mm steel wire and 1,100 m x ø64 mm steel wire (each drum)
- Drum Capacity	150 t on 1st layer @ 0.8-5 m min ⁻¹ (each drum)
- Rated Pull	250 t on 1st layer
- Brake Holding Load	1 x 2.5" + 1 x 3" chain lifter
Cable Lifters	ø1,500 mm x 4,000 mm; 250 t SWL
Stern Roller	Standard mooring bollards / bitts as fitted
Deck Fittings	2 x 5 t
Capstans	1 x telescopic boom crane, 3 t @ 16 m outreach
Deck Crane	1 x 10.7 t
Anchor Windlass	2 x 10 t
Tugger Winches	

Deck Crane

Crane	Rating / Reach
Deck Crane	1.8 t @ 6 m

Accommodation

Item	Capacity
Single Cabins	4
2-man Cabins	11
Total Accommodation	26
Public Spaces	1 Mess Room 2 Day Rooms 1 Galley 1 Office 1 Hospital/Sick Bay (1 Berth)
Air-conditioning	Fully air-conditioned

Performance

Mode	Speed	MGO Consumption
Maximum speed	13.4 kn	22.0 t d ⁻¹
Service speed	12.0 kn	14.7 t d ⁻¹
Service speed	10.0 kn	8.8 t d ⁻¹
Eco speed	8.0 kn	6.2 t d ⁻¹
DP station keeping	—	5.0 t d ⁻¹
Standby at sea	—	2.5 t d ⁻¹
Standby in port (harbour generator)	—	0.8 t d ⁻¹

*subject to weather and operating conditions

Tank Capacities & Discharge Rates

Tank / Consumption	Capacity	Discharge Rate
Fuel Oil	752 m ³	2 x 150 m ³ h ⁻¹ @ 7 bar / 70 m head
Fresh Water	443 m ³	150 m ³ h ⁻¹ @ 7 bar / 70 m head
Ballast / Drill Water	1,091 m ³	150 m ³ h ⁻¹ @ 7 bar / 70 m head
Liquid Products Tanks	692 m ³	2 x 75 m ³ h ⁻¹ @ 18 bar / 180 m head (liquid mud transfer)
Dry Bulk / Cement	193 m ³	2 x 22 m ³ min ⁻¹ (compressor flow) @ 6 bar / 60 m
Foam (FiFi system)	11 m ³	—

*Liquid mud tanks fitted with hydraulic agitators and fixed hot-water washing system

Cargo Deck

Parameter	Value
Clear Deck Area	400 m ²
Deck Cargo Capacity	1,000 t

Dynamic Positioning (DP) System & Navigation Equipment

Instrument	Detail
DP Notation	DP Class 2
Reference Systems	2 x DGPS, 1 x Radarscan
GMDSS	Radio system compliant with GMDSS A3 rules
Satellite Communications	VSAT, FBB500, Inmarsat C
Data and voice	Email and IP voice facilities

Communications Equipment

Instrument	Detail
GMDSS Area	A3
GMDSS Installation	Radio system compliant with GMDSS A3 rules
Satellite Communications	VSAT; FleetBroadband 500 (FBB500); Inmarsat C
Data / IP Telephone	Email and IP voice facilities
MF / HF Radio	Included in GMDSS A3 radio system

Fire-Fighting & Rescue

Equipment	Capacity / Rating
FiFi Class	FiFi 1
FiFi Pumps	2 x 1,650 m ³ h ⁻¹
FiFi Monitors	2 x 1,200 m ³ h ⁻¹
FiFi Foam Tank	11 m ³ foam tank
Water Spray/Protection	Foam and water-spray protection to vessel
Rescue Boat	1 x fast rescue boat (10 persons) with davit
Life Rafts	6 x 16-person life rafts (3 each side)
Lifejackets/Immersion Suits	Life jackets and immersion suits as per SOLAS
Life Buoys	Life buoys as per SOLAS
Other LSA	Other SOLAS-compliant life-saving appliances

CHARACTERISTICS

	APPROXIMATE		APPROXIMATE
LENGTH OVERALL	Abt.65.75m	FUEL OIL - PERMANENT (@ 98% FULL)	647 m ³
LENGTH WATERLINE	62.52m	FUEL OIL @ DAY TANKS (@ 98% FULL)	48 m ³
BREADTH MOULDED	16.00m	FUEL OIL @ SETTLE TANKS (@ 98% FULL)	54 m ³
DEPTH MOULDED	6.00m	SLUDGE TANK(98% FULL)	6 m ³
SCANTLING DRAFT	5.07m	FRESH WATER (@ 100% FULL)	443 m ³
DESIGN DRAFT	4.30m	DRILL/BALLAST WATER (@ 100% FULL)	1091 m ³
BOLLARD PULL	Abt.80.0 MT	DRY BULK (NET VOLUME)	197 m ³
CARGO DECK AREA	400.0 m ²	LIQUID MUD (@100% FULL)	692 m ³
DECK STRENGTH	5.00 MT/m ²		
DECK CARGO CAPACITY	Abt.900.0 MT @ 900 mm ABV MDK		
INTERNATIONAL TONNAGES	UNDER 2200 GROSS TONS		
ACCOMMODATIONS	14 CREW + 12PASSENGERS		
DEAD WEIGHT (@ SCANTLING DRAFT)	Abt.1800.0 MT		
AIR DRAFT	29.06m ABOVE BASELINE (OR 24.76m ABV 4.3m WL)		
Z-DRIVES	(2) AZIMUTHING Z-DRIVES STEERPROP SP 20D w/HIGH PERFORMANCE NOZZLES RATED 1685kW @ 1040 RPM		
GENERATOR SETS	(1) FIXED Z-DRIVE @ CL STEERPROP SP 20D w/HIGH PERFORMANCE NOZZLE RATED 1685kW @ 1040 RPM		
BOW THRUSTERS	(3) CAT 3516C TIER II EA. RATED 2000kWe @ 1800 RPM		
CLASS	(2) BERG RATED @ 560kW EA. (MODEL BFTT 316)		
	BV 1 *HULL *MACH Unrestricted navigation Tug / Supply Vessel, LHNS, oil product / fire-fighting Ship 1, water spraying / Special service, anchor handling *AUT-UMS / *DYNAPOS-AM/AT R / CLEANSIP / PROTECTED FO TANKS		

TANK CAPACITIES

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REVISIONS 修改				
SHEET	ZONE	REV.	DESCRIPTION	DATE
		A2	AS PER OWNER COMMENTS ON AUG 10th.	04.09.2009 L.Z
		A3	AS PER MINUTES OF MEETING ON SEP 28th~29th,2009	14.10.2009
		A4	AS PER MEETING ON NOV. 10th~11th,2009	12.11.2009
		A5	AS PER MEETING ON MAR. 3RD~5TH, 2010	16.03.2010
		A6	AS PER OWNER COMMENTS ON MAR. 23TH, 2010	26.03.2010
1~4		A7	1. AS PER CLASS COMMENTS	01.06.2010
3~5			2. AS PER OWNER COMMENTS	01.06.2010
1~6		A8	1. AS PER OWNER COMMENTS	20.08.2010
4			2. AS PER SDA INTERNAL COMMENTS	20.08.2010
1~5		A9	1. AS PER OWNER'S COMMENTS	17.01.2011
1~3,5~6			2. AS PER NEW EQUIPMENT INFORMATION	17.01.2011

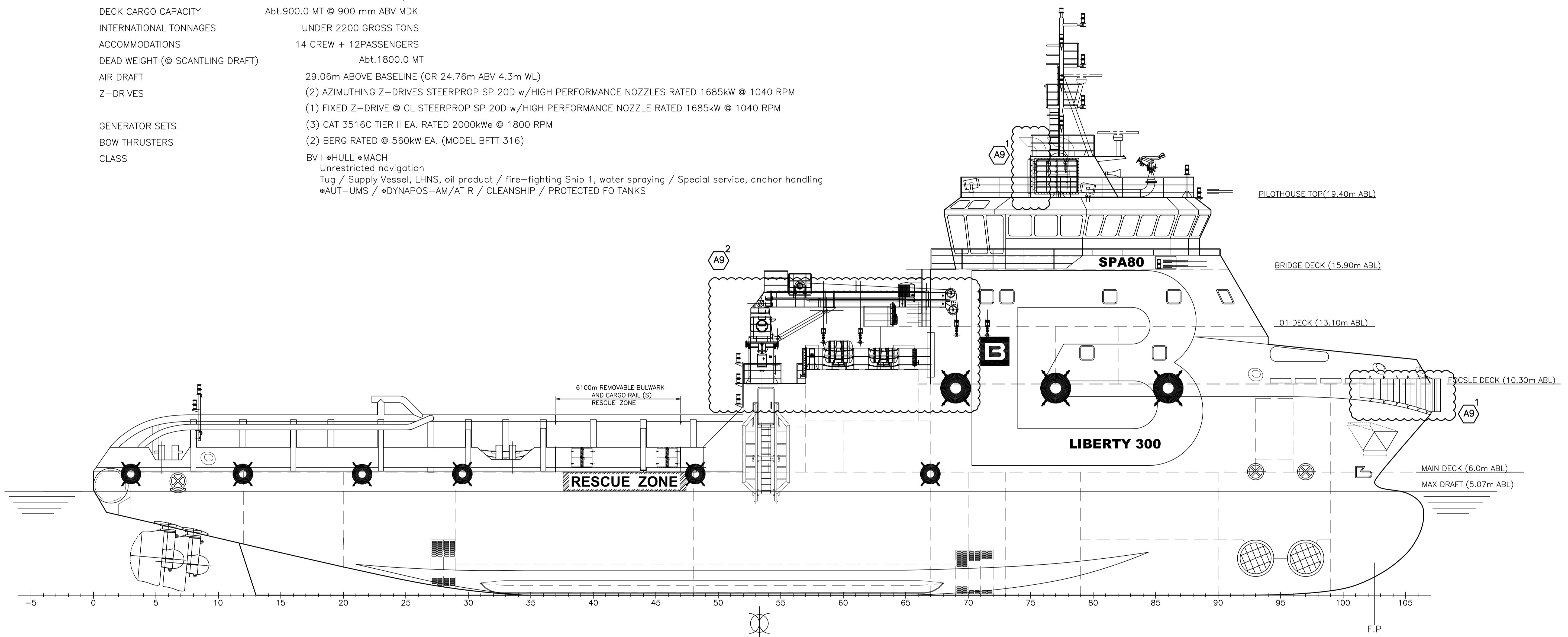
AIR DRAFT (29.06m ABL)

PILOTHOUSE TOP(19.40m ABL)

BRIDGE DECK (15.90m ABL)

01 DECK (13.10m ABL)

FOCSELE DECK (10.30m ABL)

MAIN DECK (6.0m ABL)
MAX DRAFT (5.07m ABL)

OUTBOARD PROFILE

BUREAU VERITAS Register : 19012S
FOR REFERENCE
See report n° CPO/1229/STA

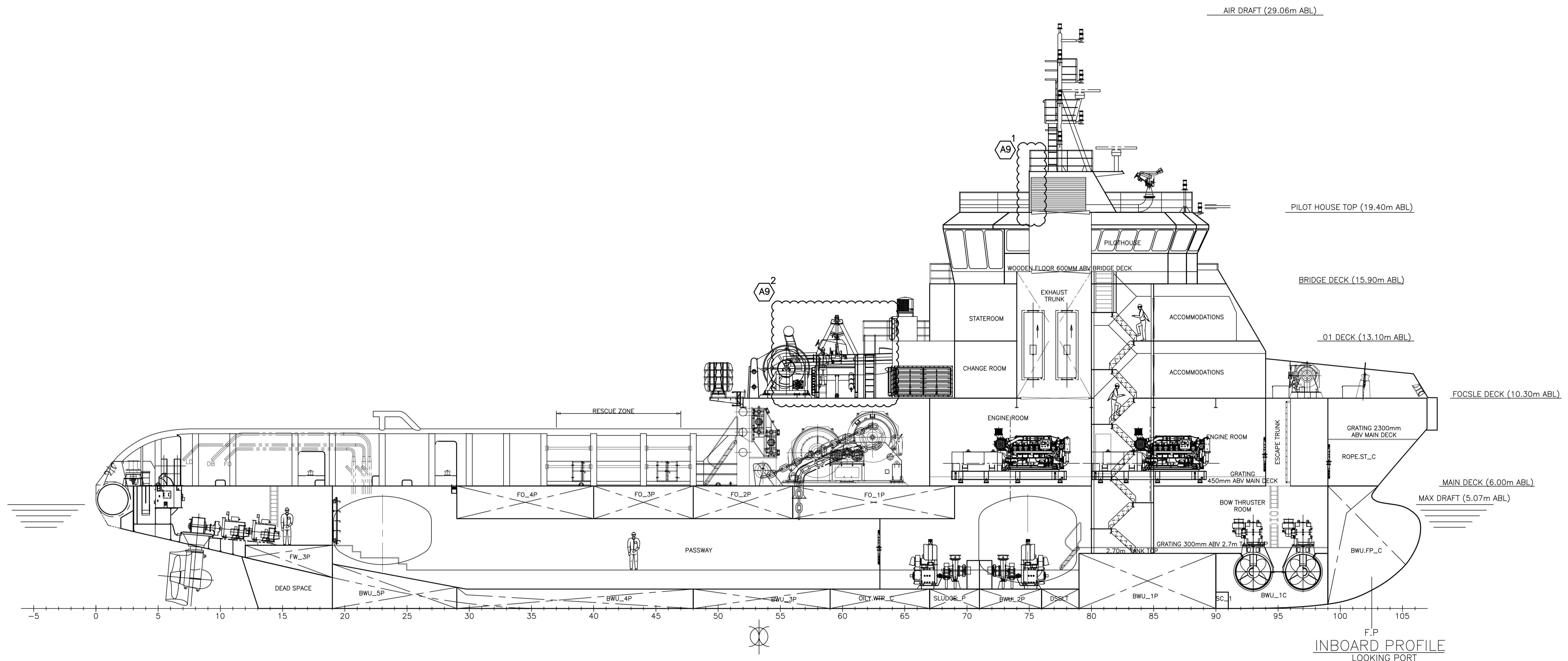
Shanghai, 11-May-2012

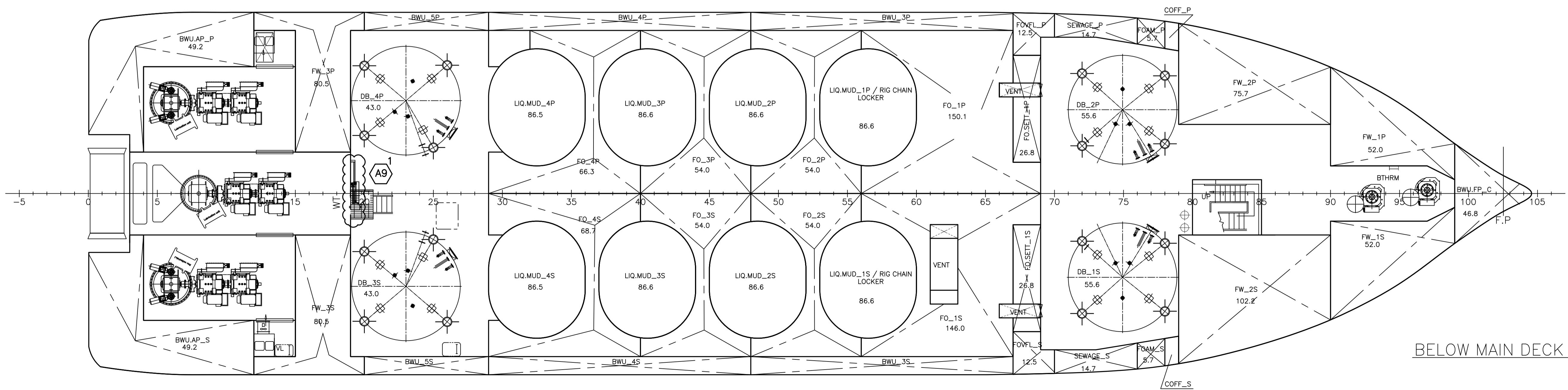
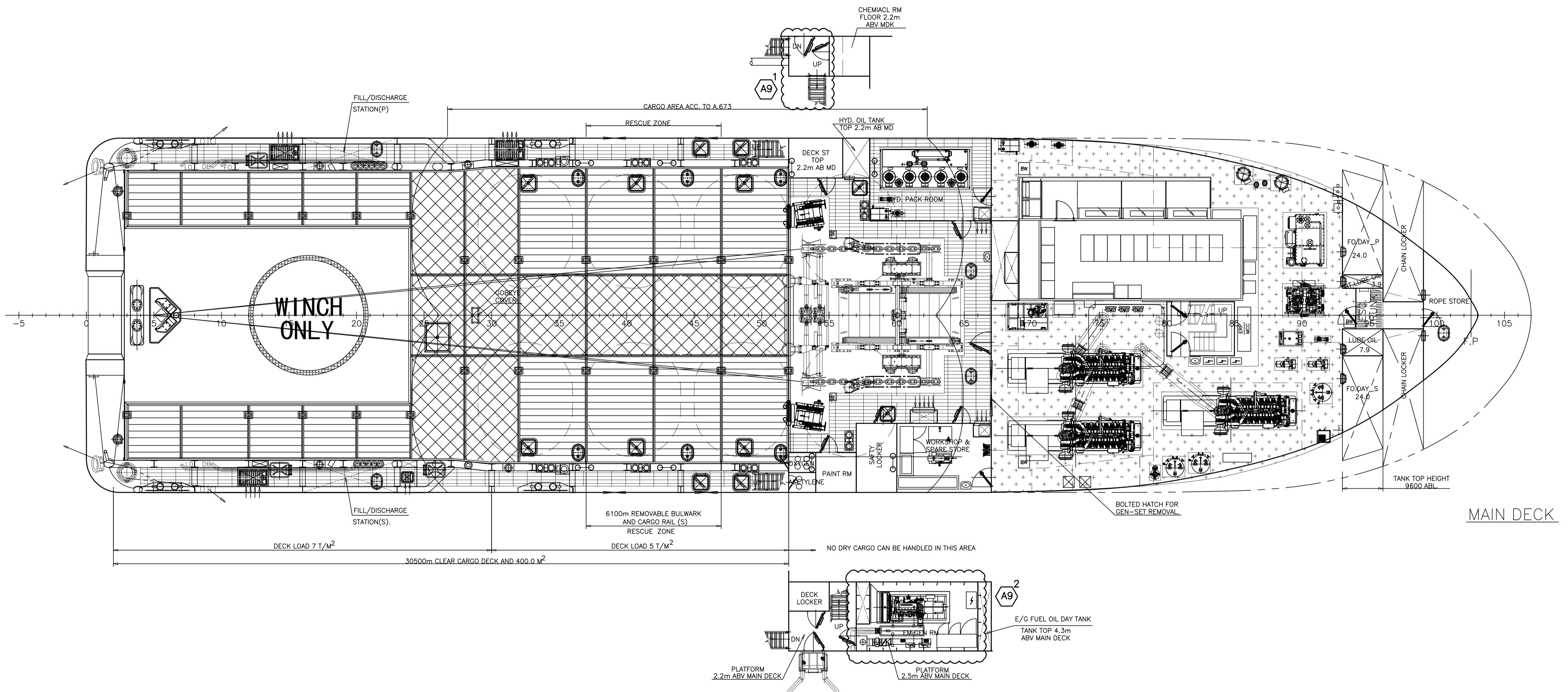
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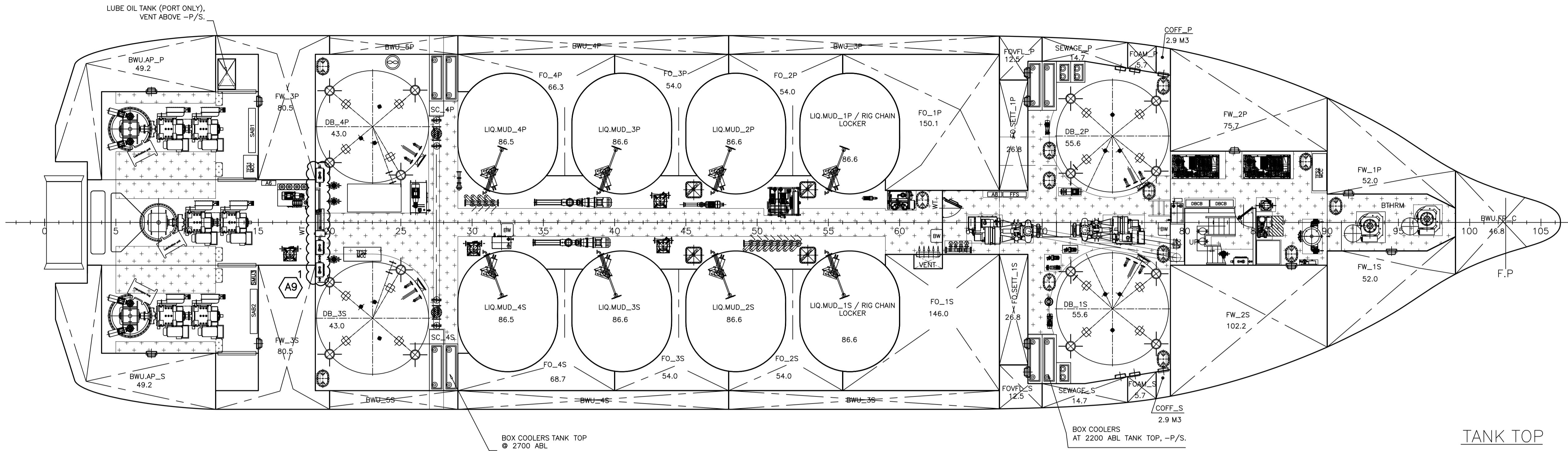


CLIENT:	APPROVED BY	DATE	FILE NO.
BOURBON OFFSHORE			
MARSEILLE - FRANCE			
CLASS: BV			
PROJECT: SPA80			PHASE: DETAIL DESIGN
ANCHOR HANDLING/TUG,SUPPLY VESSEL			HULL No.: ZJ3001-ZJ3004
DWN: 说绘	C. H.D.	DWG No.	SDA805-101-101
CKD: 框栏	Z. P.X.	REV. 版本	A9
COS: 标检	—	SHEET 页数	WEIGHT(kg) 重量
ACPD: 会签	—	总布置图	SCALE 比例
APVD: 审定	W. H.G.	1 / 6	1:100
DATE: 日期	Jan.17.2011		

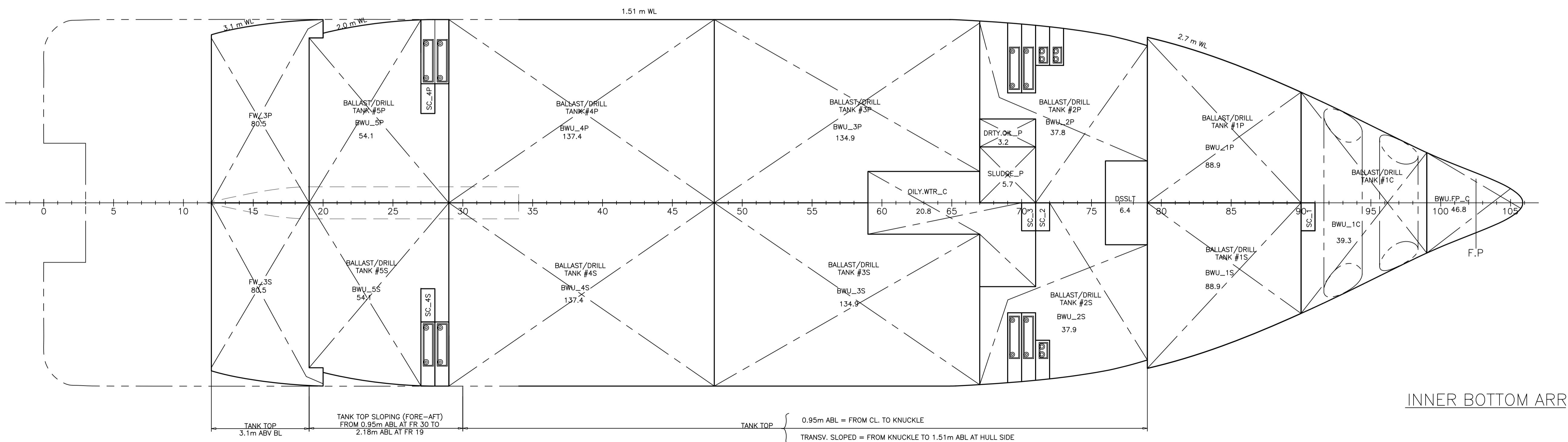
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TANK TOP



INNER BOTTOM ARR

