



BOS ATLAS

5,150 BHP | 65 t BP | DP1 AHTS

Class Notation: **A1**, Towing Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel, AH, **C**, **AMS**, **DPS-1**

Main Particulars	
Particular	Detail
Flag	Singapore
IMO	9609770
Call Sign	9V9212
Built	2012
Length Overall	59.25 m
Depth (Moulded)	6.10 m
Breadth (Moulded)	14.95 m
Max Summer Draft	4.95 m
Gross Tonnage	1,678 t
Net Tonnage	503 t
Deadweight	1,360 t

Main Engines & Generators	
Component	Specification
Main Engines	2 × CAT 3516B
Generators	2 × CAT C18, 350 kW
Shaft Generators	2 × 800 kW
Emergency Generator	1 × CAT, 65 kW

Thrusters & Propulsion	
Component	Specification
Bow Thruster	Kawasaki KT-72B3, 515 kW, 8 t thrust
Stern Thruster	Kawasaki KT-55B3, 390 kW, 6 t thrust
Propellers	2 × CPP in fixed Kort nozzles

Deck & Anchor-Handling Equipment	
Equipment	Rating / Size
Tow/AH Winch Pull Capacity	150 t
Brake Holding Capacity	200 t
Tow Drum Capacity	1,000 m × ø56 mm
Anchor Handling Capacity	100 m × ø56 mm
Spare Tow Wire	1,000 m × ø56 mm
Tugger Winches	2 × 10 t @ 15 m min ⁻¹
Capstans	2 × 5 t @ 15 m min ⁻¹
Shark Jaws	200 t SWL
Tow Pins	2 × closed-top type, 200 t SWL
Stern Roller	4.0 m × ø1.6 m; 200 t SWL
Anchors	2 × 1,310 kg HHP
Anchor Chain	2 × 16 lengths × ø36 mm
Anchor Windlass	MacGregor

Deck Crane	
Equipment	Rating / Size
Deck Crane	1 × 3 t @ 9 m

Accommodation	
Item	Capacity
Crew	14
Passengers	26
Total Berths	40

Performance		
Mode	Speed	MGO Consumption
Max Speed	13 kn	18 m ³ d ⁻¹
Economical Speed	10 kn	10 m ³ d ⁻¹
Towing	—	20 m ³ d ⁻¹
Standby	—	1.2 m ³ d ⁻¹

**subject to actual weather and operating conditions*

Tank Capacities & Discharge Rates		
Tank	Capacity	Discharge Rate
Fuel Oil	535 m ³	150 m ³ h ⁻¹ @ 75 m head
Fresh Water	360 m ³	100 m ³ h ⁻¹ @ 75 m head
Drill Water*	400 m ³	100 m ³ h ⁻¹ @ 75 m head
Mud/Base/Brine*	378 m ³	70 m ³ h ⁻¹
Dry Bulk/ Oil Recovery*	187 m ³	—

**indicates tanks with shared capacity*

Cargo Deck	
Parameter	Value
Clear Deck Area	340 m ²
Deck Dimensions	12 m × 28 m
Deck Cargo Capacity	500 t
Deck Strength	7 t m ⁻²
Reefer Points	6

Dynamic Positioning (DP) System & Navigation Equipment	
Instrument	Model / Detail
DP Class	Class 1 - Kongsberg
References	DGPS × 2; WS; MRU
Joystick	Kongsberg C-Joy
Radar No. 1	Furuno X-band (21" screen)
Radar No. 2	Furuno X-band (15" screen)
GPS	GP-150
Echo Sounder	Furuno FE-702
Navtex	NX-700
Autopilot	Nautopilot NP-60
Gyro Compass	Anschutz STD 22

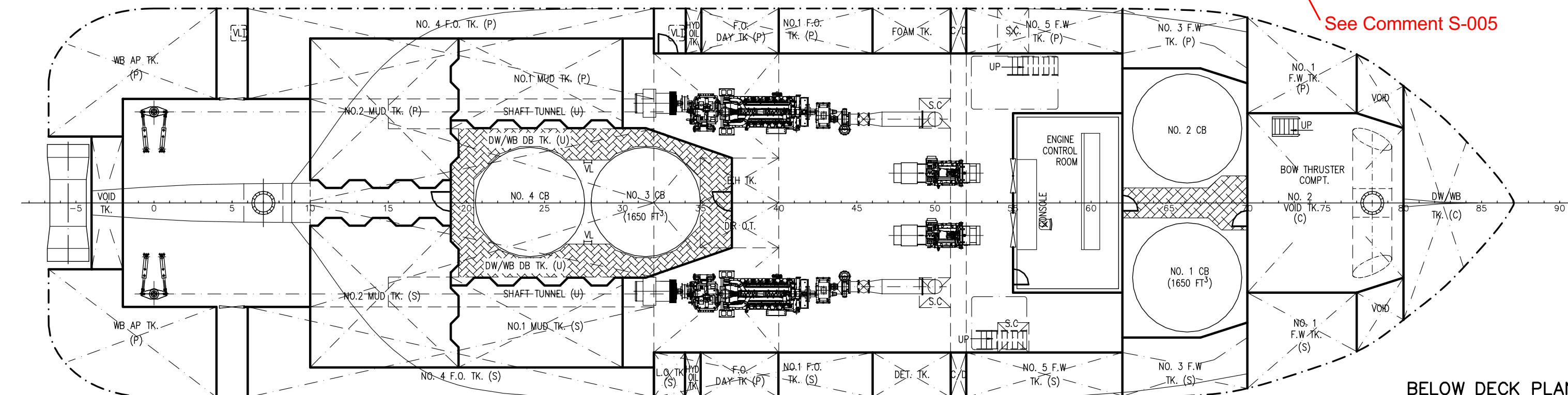
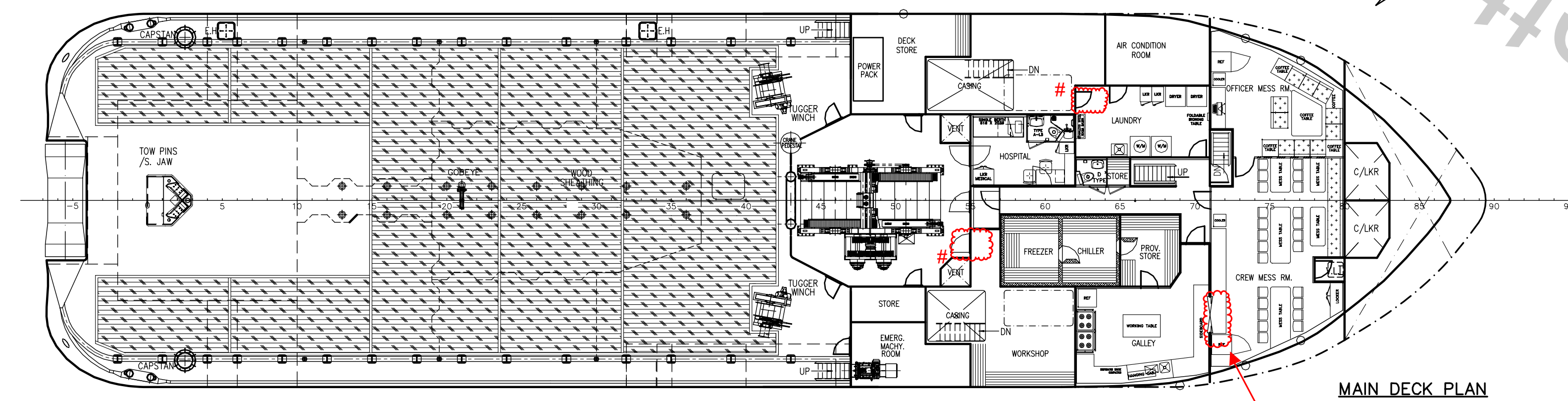
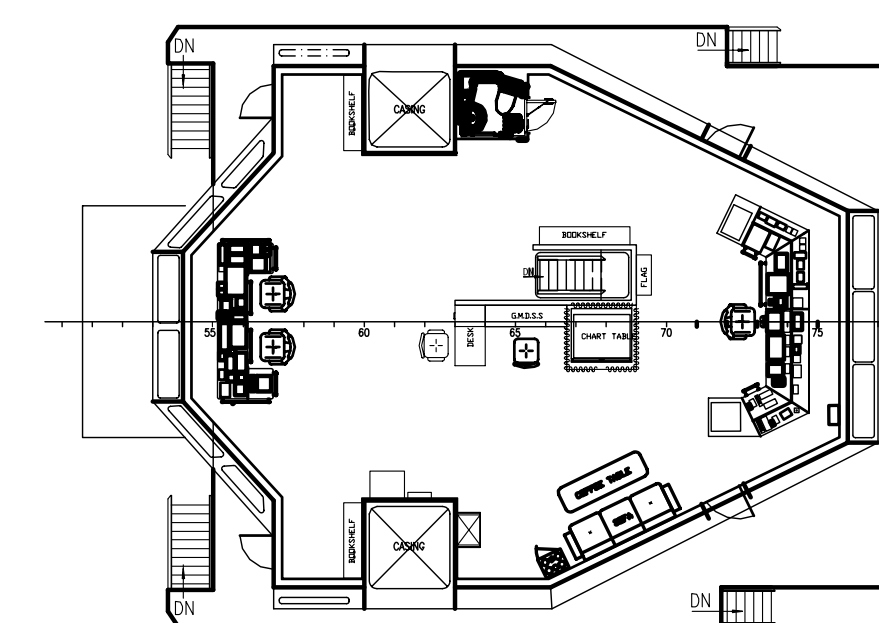
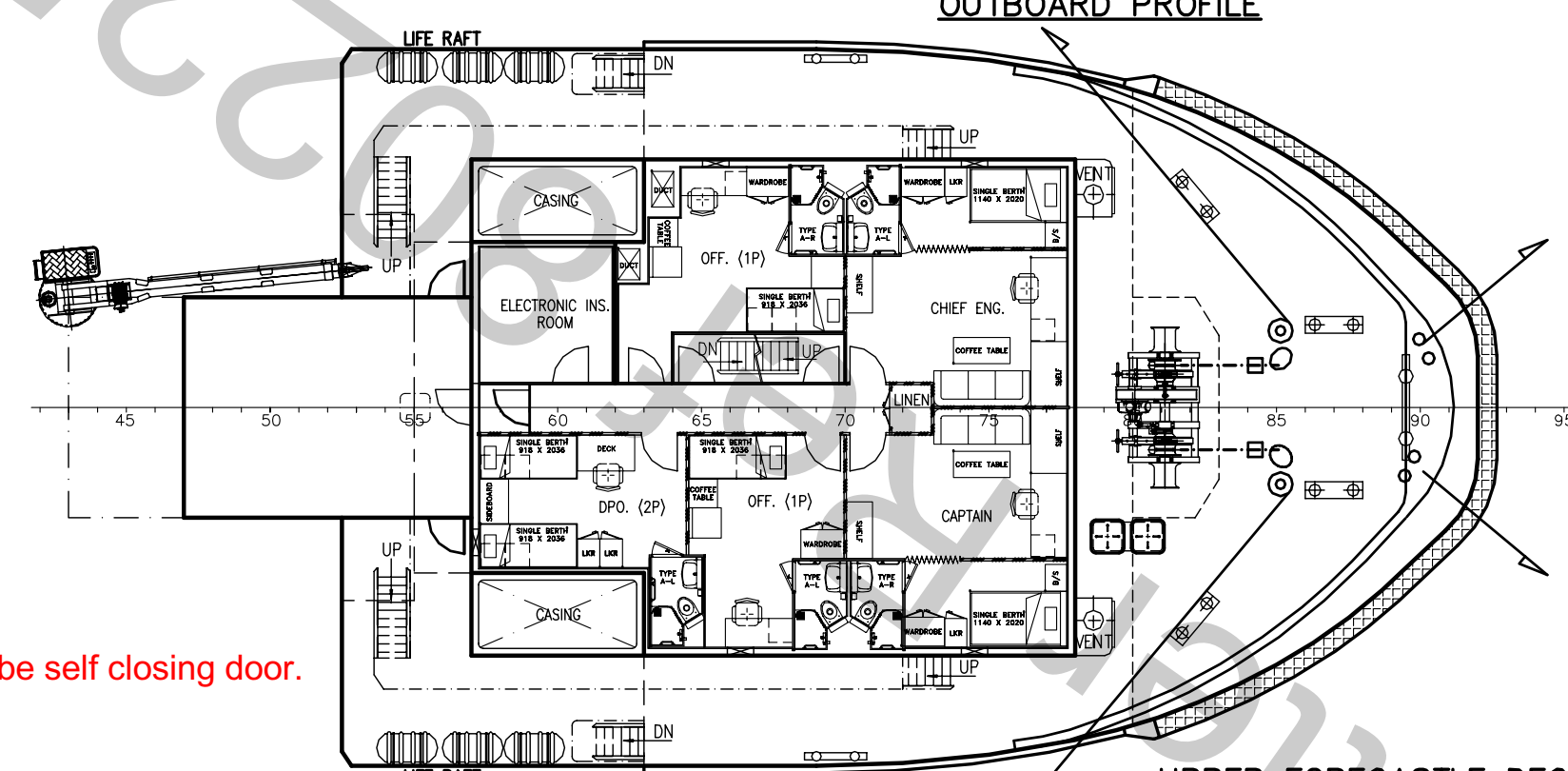
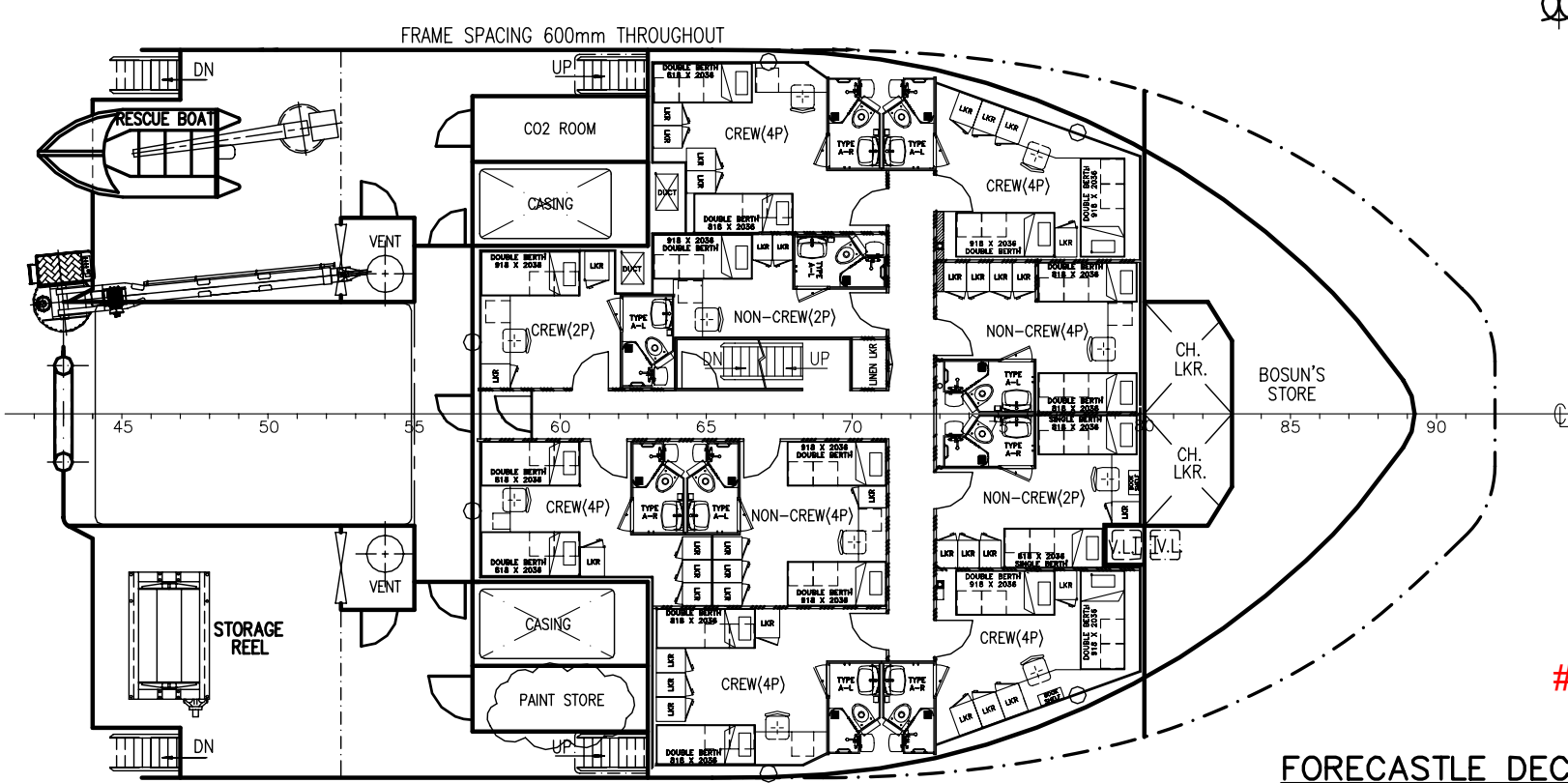
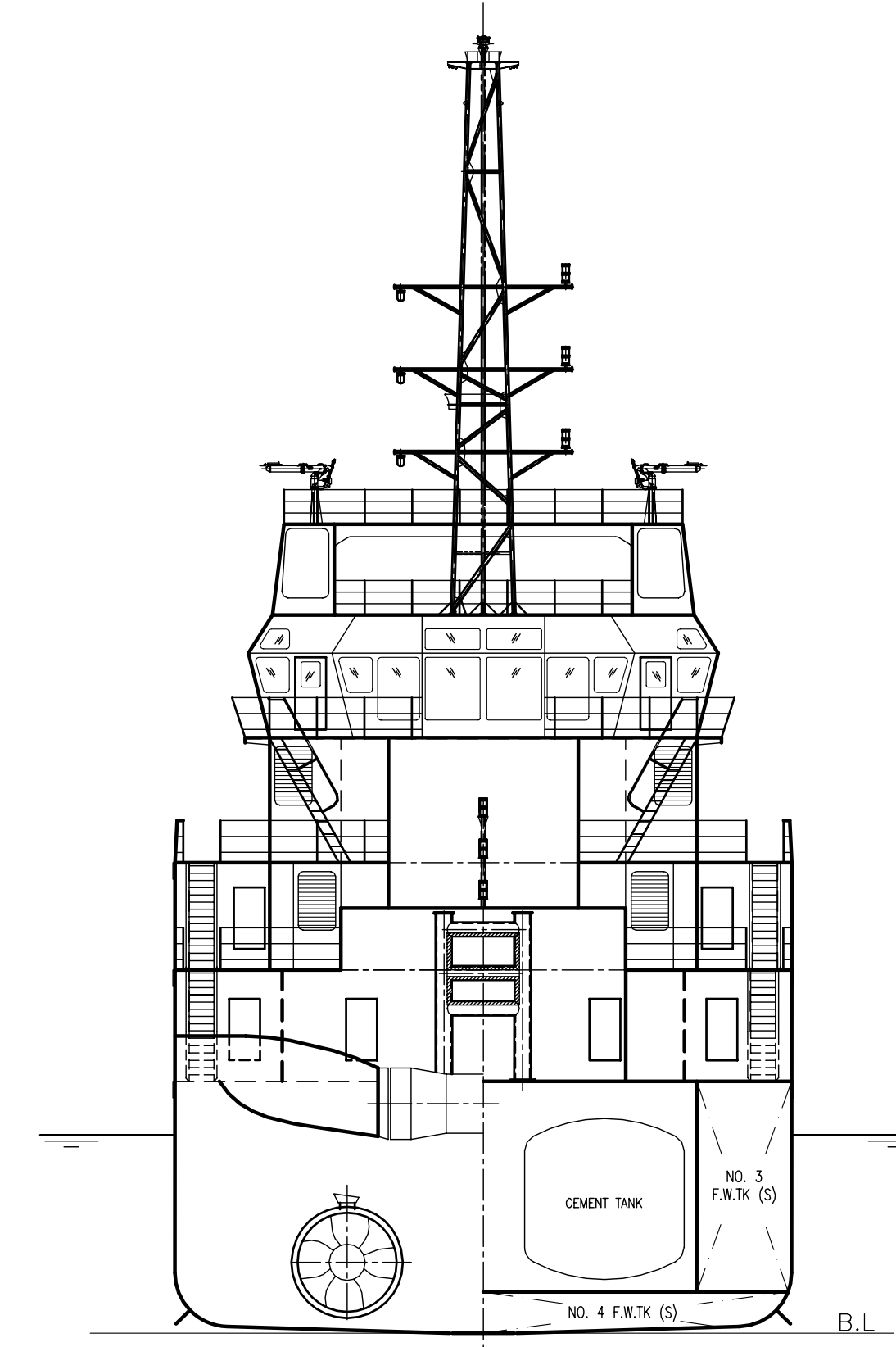
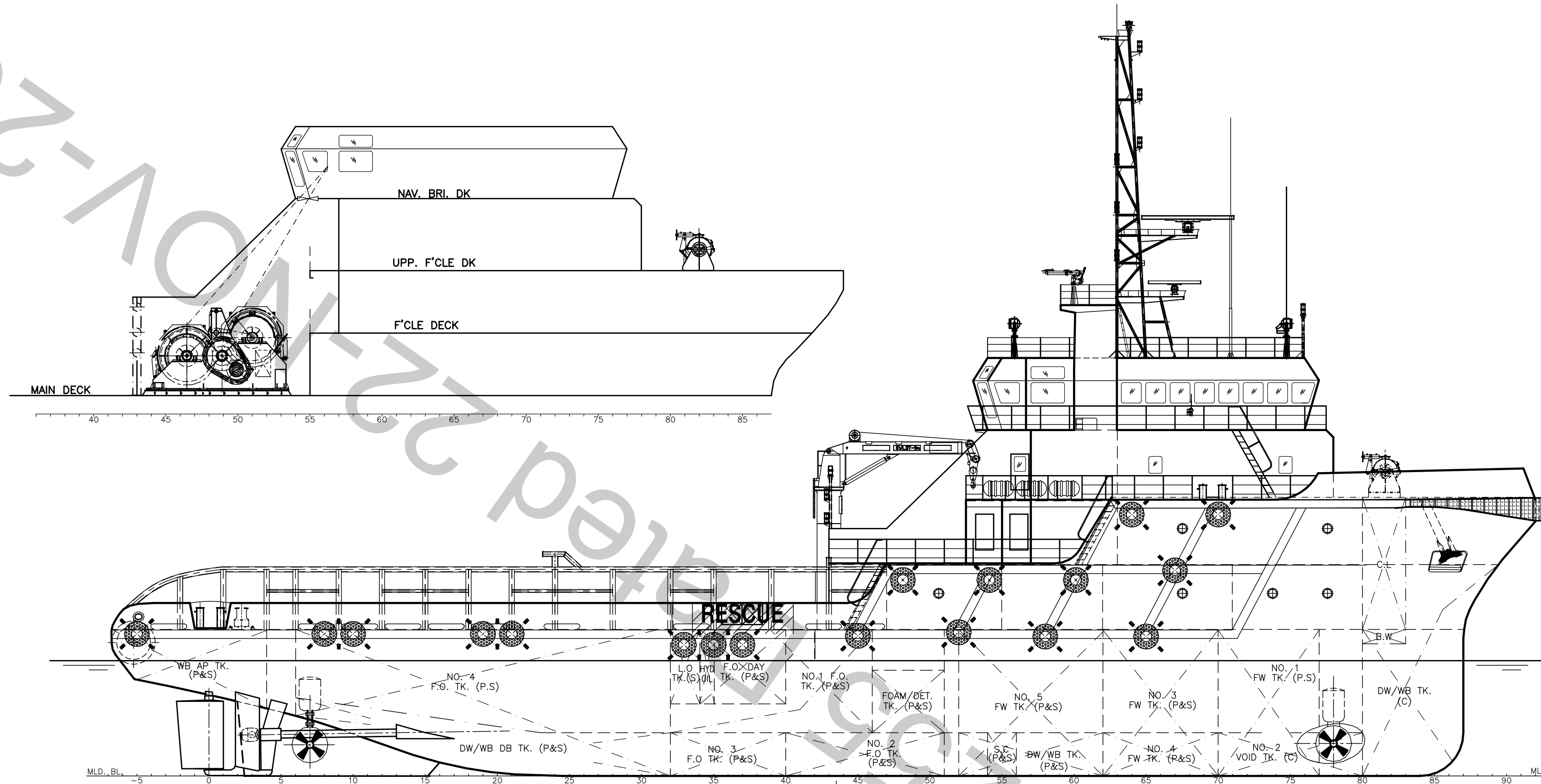
Communications Equipment	
Instrument	Model / Detail
HF Radio	FURUNO RC-1500-1T 400 W
VHF Radios	2 × FURUNO
Portable VHF	3 × FURUNO
Satellite Communications	VSAT (voice & fax)
EPIRB	McMurdo 406
GMDSS Compliance	Area A3

Fire-Fighting & Rescue	
Equipment	Capacity / Rating
Firefighting System	FiFi-1
FiFi Pumps	2 × 1,200 m ³ h ⁻¹
FiFi Monitors	2 units
Spray Booms	2 units
Throw × Height	120 m × 50 m
Foam Capacity	13 m ³
Rescue Boat	15 HP OBM, 6-person capacity
Life Rafts	6 units, 150-person total

Details given in good faith but not guaranteed. Owners reserve the right to amend specifications without notification.

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PRINCIPAL DIMENSIONS

LENGTH (O.A.)	59.250 M
LENGTH (W.L.)	56.000 M
LENGTH (B.P.)	52.200 M
BEAM (MLD.)	14.950 M
DEPTH (MLD.)	6.100 M
DESIGN DRAFT	4.950 M
FUEL OIL	540 M ³
FRESH WATER	300 M ³
DRILL WATER / W.B.	400 M ³
MUD	385 M ³
CLEAR DECK AREA	320 M ²
DECK CARGO (DECK LOADING = 7.5T/M ²)	500 TONS
DRY BULK TANKS (4x1650 FT ³)	187 M ³
MAIN PROPULSION ENGINE	2 X 2575 BHP
SPEED (TRIALS)	13.0 KNOTS
BOLLARD PULL	62 TONS
COMPLEMENT	40 MEN
CREW	28 MEN
NON-CREW	12 MEN
CLASS & NOTATION : ABS * A1 E C TOWING VESSEL, FIRE FIGHTING VESSEL CLASS 1, OFFSHORE SUPPORT VESSEL " / A H + AMS + DPS-1	



See Comment L-008, S-003, S-004, S007 & S-009

5	AMENDED AS PER YARD'S COMMENTS	SZ.YU	06.09.11
4	AMENDED BY KCM HULL TEAM	JUN.XIE	15.07.11
3	AMENDED AS PER YARD'S COMMENTS	SZ.YU	07.07.11
2	MAST TO BE UPDATE.	SZ.YU	21.02.11
1	AMENDED AS PER YARD'S COMMENTS	SZ.YU	03.12.10
ITEM	DETAILS OF MODIFICATION	BY	DATE
CONSULTANT	KHIAM CHUAN MARINE PTE LTD		
PROJECT	59m MULTI-PURPOSE OFFSHORE SUPPLY/ ANCHOR HANDLING VESSEL		
TITLE	GENERAL ARRANGEMENT		
CLASSIFICATION		HULL NO.	DN99M-97/99/99
DRAWN	CHECKED	SCALE	DRAWING NUMBER
SZ.YU		1:150	KCM/Q331(E)-G1
22-11-10			9