



THONG YONG GROUP

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THONG YONG

PEARLY

32M Twin Screw Tug

PRINCIPAL PARTICULARS

OPERATING AREAS	: Sea Areas 1 + 2
TYPE OF SHIP	: Ocean Going Twin Screw Tug
FLAG	: Singapore
OFFICIAL NUMBER	: 394877
CALL SIGN	: 9V7819
IMO NUMBER	: 9507257
CLASSIFICATION	: GL (Germanischer Lloyd)
YEAR BUILT	: 2009
PLACE BUILT	: Sibul, East Malaysia
LENGTH OVERALL	: 32.00 m
REGISTERED LENGTH	: 29.53 m
BREADTH	: 9.14 m
DEPTH	: 4.20 m
DESIGNED DRAFT	: 3.50 m
GRT / NRT	: 297 / 90

STERN TUBES & SHAFTING

- * Water Lubrication Stern Tubes with BTC Cutlass B
- * 2 x Length Stainless Steel (AISI 316) Tail Shaft

STEERING GEAR SYSTEMS

- * 1 x 3.0 tons Electro-Hydraulic Steering Gear with Joystick (Joystick Steering + Emergency Helm)
- Double Steering Station (Bridge FWD and AFT)

TOWING

- | | |
|------------------------|--|
| ANCHOR WINDLASS | : 22mm U2 / ME 2.1 THWL22C330
Anchor Windlass c/w Double Gypsy
& Double Drum |
| BOW ANCHOR | : 2 x Stockless each 570kgs |
| CHAIN CABLE | : 302.5m total length, 22mm dia, Grade 2 |
| TOWING HOOK | : 30T SWL Towing Hook Op |
| TOWING WINCH | : 30T Drum Pull and 100T Brake
Single Drum Towing Winch c/w
Auto Wire Device & Drum
Capacity of 650m x 42mm dia wire. |

SOUND SIGNAL APPLIANCES & NAVIGATION EQUIPMENT

- | | |
|---------------------------|-------------------------------|
| VHF RADIOTELEPHONE | : ICOM M-304 |
| SSB TRANSCEIVER | : FURUNO FS-1503 |
| 24N MARINE RADAR | : FURUNO 1715 |
| GPS NAVIGATOR | : FURUNO GP 32 |
| ECHO SOUNDER | : FURUNO FCV 620 |
| NAVTEX RECEIVER | : FURUNO NX 300 |
| WEATHER FAX | : FURUNO FX 408 |
| MAGNETIC COMPASS | : DAIKO KEIKI T-150B |
| EPIRB | : MC MURDO SMART FIND E5 |
| PUBLIC ADDRESSERS | : TWO X ARROW (FORWARD & AFT) |
| INMARSAT C | : FURUNO FELCOM-15 |
| AIS | : FURUNO MODEL FA-150 |

FIRE FIGHTING / LIFE SAVING APPLIANCES

- | | |
|---------------------------|---|
| LIFERAFT | : 2 x KHA - 15 for 15 Pax |
| LIFE BOUY | : SDF5556 (96) x 8 pieces |
| LIFE JACKET | : XY5564-1 x 16 pieces |
| FIREMAN'S OUTFIT | : DFX-I x 1 set with accessories |
| BREATHING APP. | : RHZK-6/30-II x 1 set |
| FIRE EXTINGUISHER | : 5 x 9kg ABC Dry Powder
1 x 45litre Trolley Foam
1 x 2kg CO ₂
4 x 9kg Foam |
| PORTABLE FIRE PUMP | : CF170F / 4.5HP, 3600rpm |

PROPULSION SYSTEM

- | | |
|-----------------------------|--|
| MAIN ENGINES | : CUMMINS KTA50-M2 MARINE DIESEL
2 x 1,600 HP @ 1800 rpm (2 x 1193kW) |
| GEAR BOX | : 2 x REINTJES WAF 665L / Ratio 5.950:1 |
| AUXILIARY ENGINE | : 2 x CUMMINS 6BT5.9D (M)
each rated 91 kW @ 1500rpm |
| ALTERNATOR | : 2 x STAMFORD UC.M274E1 Output: 80kW |
| FUEL OIL PURIFIER | : OTC 2-02-137 WESTFALIA GERMANY |
| OILY WATER SEPARATOR | : CYF - 0.5Y x 01 |
| PROPELLERS | : 2 x SOLID 4 BLADES MANGANESE BRONZE
Completed with MILD S KORT NOZZLE |

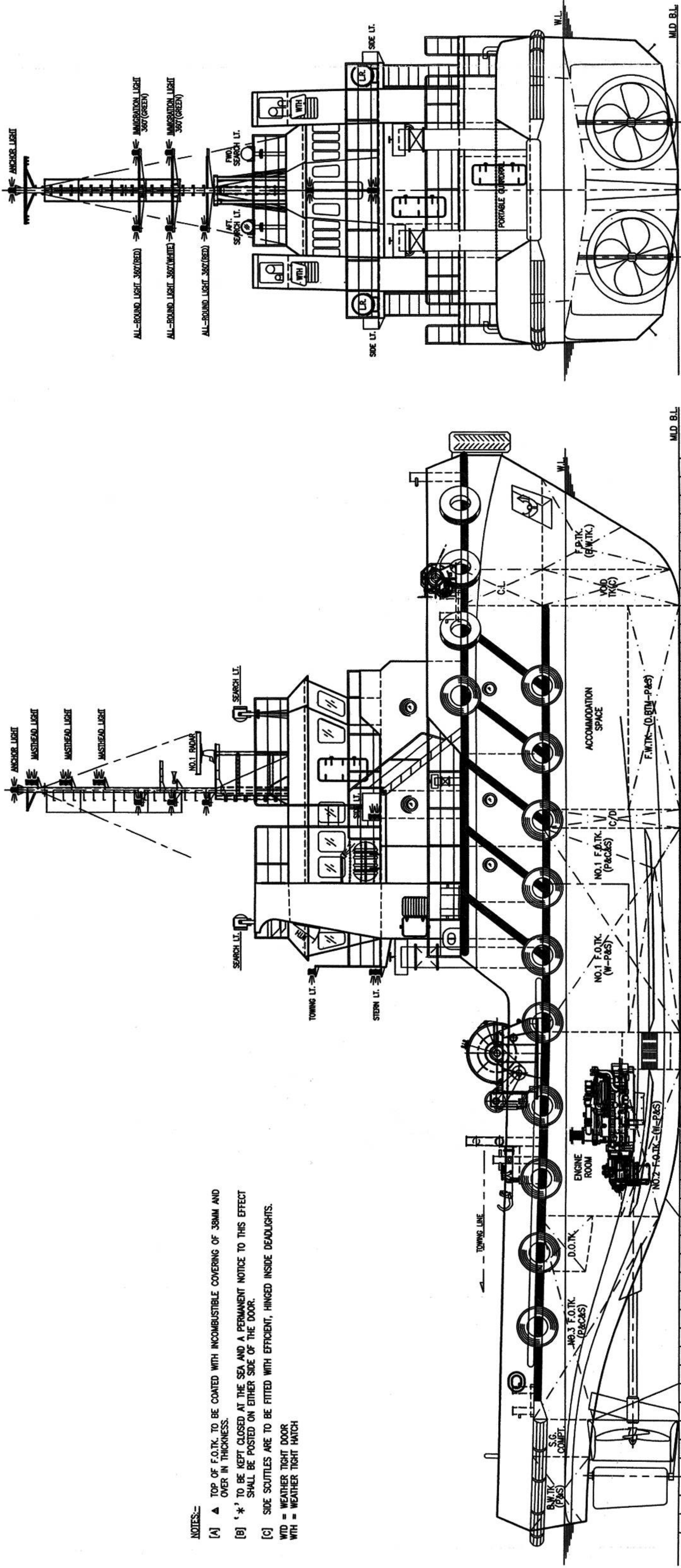
PERFORMANCE

- | | |
|-------------------------|------------------|
| MAXIMUM SPEED | : 11 knots |
| ECONOMICAL SPEED | : 9 knots |
| BOLLARD PULL | : 40 metric tons |

CARGO CAPACITIES

- | | |
|-----------------------|---------------------------------|
| FUEL OIL | : Approx. 243.00 m ³ |
| FRESH WATER | : Approx. 34.20 m ³ |
| BALLAST (F.W.) | : Approx. 58.80 m ³ |
| LUBE OIL TANK | : Approx. 2.20 m ³ |
| DIRTY OIL TANK | : Approx. 5.00 m ³ |
| ACCOMMODATION | : 12 Persons |

Particulars given are entirely without warranty as to correctness and interested parties must satisfy themselves by inspection of ship's certificate or by other means of vessel specifications.

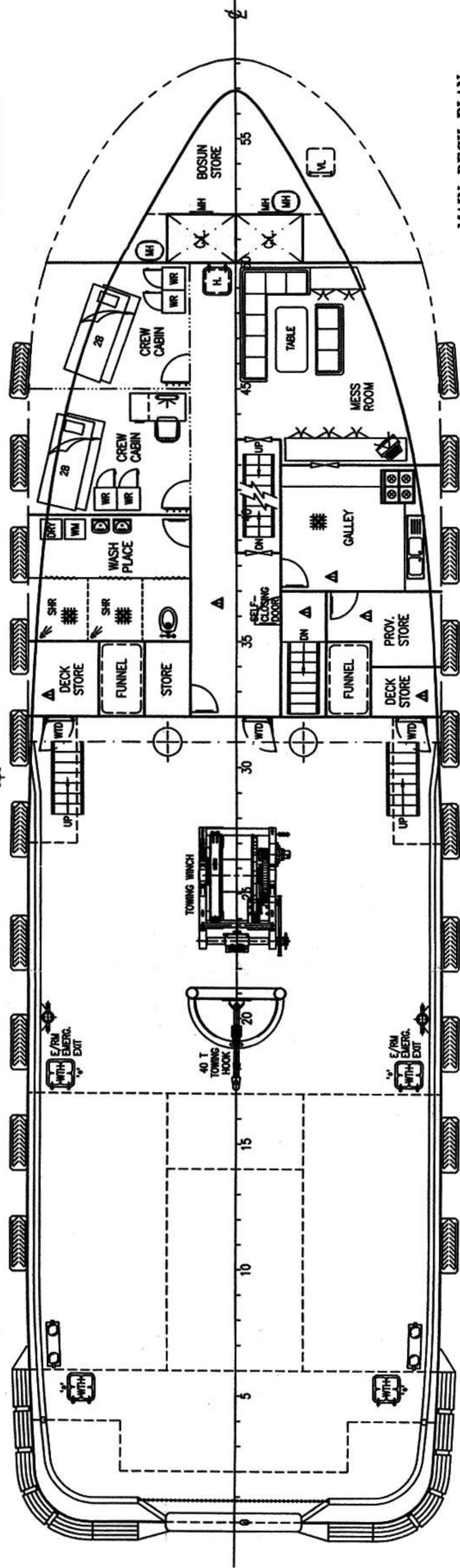


PRINCIPAL PARTICULARS :-

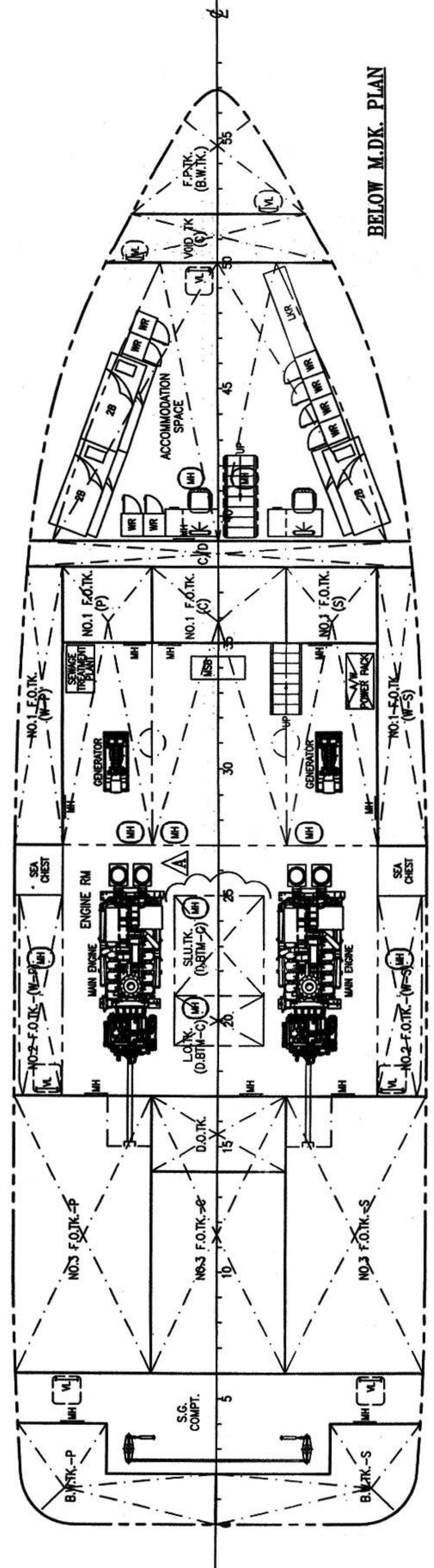
L.O.A. 32.00M (104.99FT)
L.B.P. 29.234M (95.91FT)
BREADTH MLD 9.144M (30.00FT)
DEPTH MLD 4.200M (13.78FT)
DESIGNED DRAFT 3.500M (11.48FT)
(SUBJECT TO FREEBOARD ASSIGNMENT)

SPEED ABT 11 KNOTS
COMPLEMENT 12 MEN
MAIN ENGINE CUMMINS KTA50-M2
1600HP@1800RPM x 2 UNITS
GEAR BOX REINTJES WAF-665L, RATIO 5.950:1
GENERATOR 80KW x 2 UNITS
UNRESTRICTED SINGAPORE
PORT OF REGISTRY SINGAPORE
F.O. CAPACITY 212 TONNES (approx.)
F.W. CAPACITY 34 TONNES (approx.)
B.W. CAPACITY 24 TONNES (approx.)

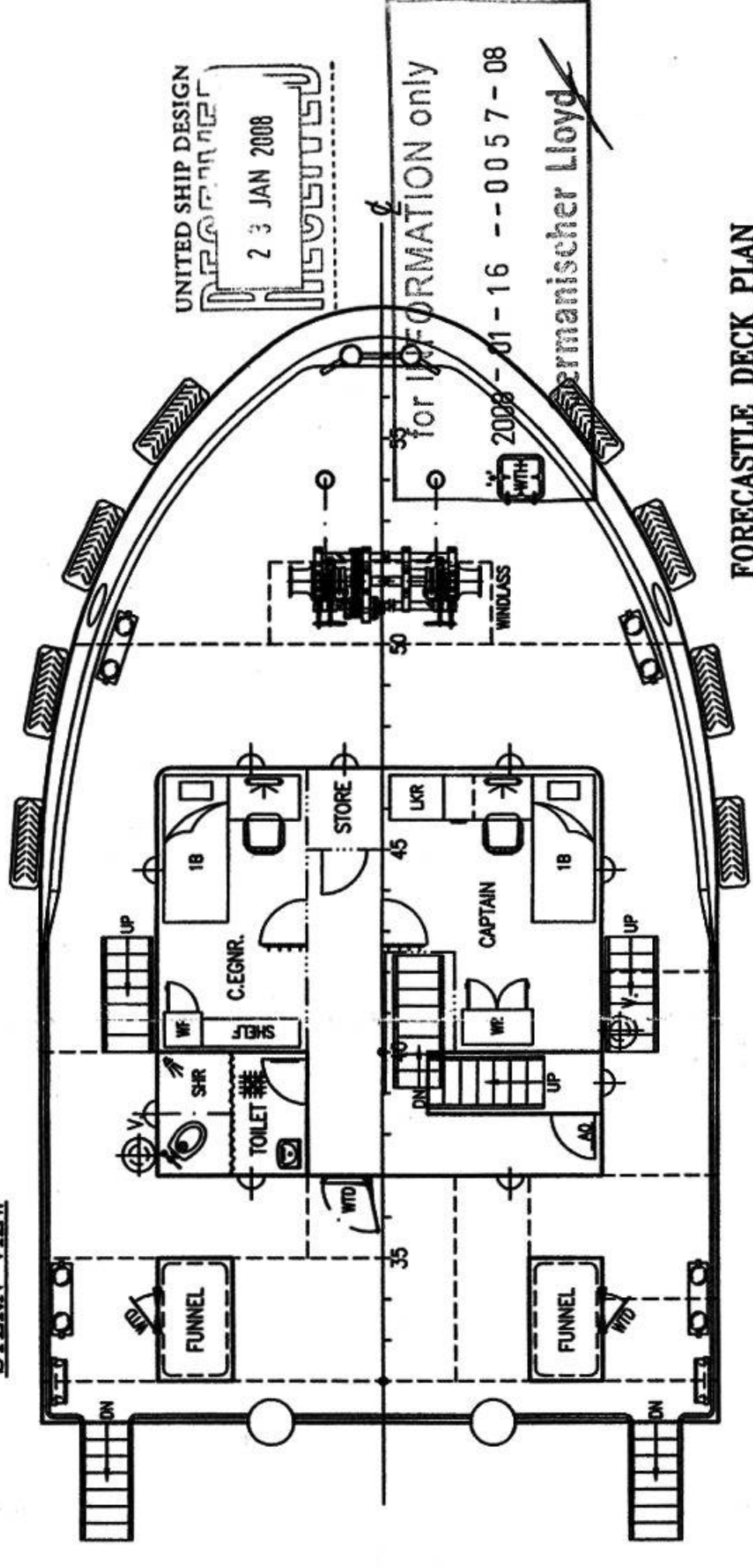
SIDE PROFILE



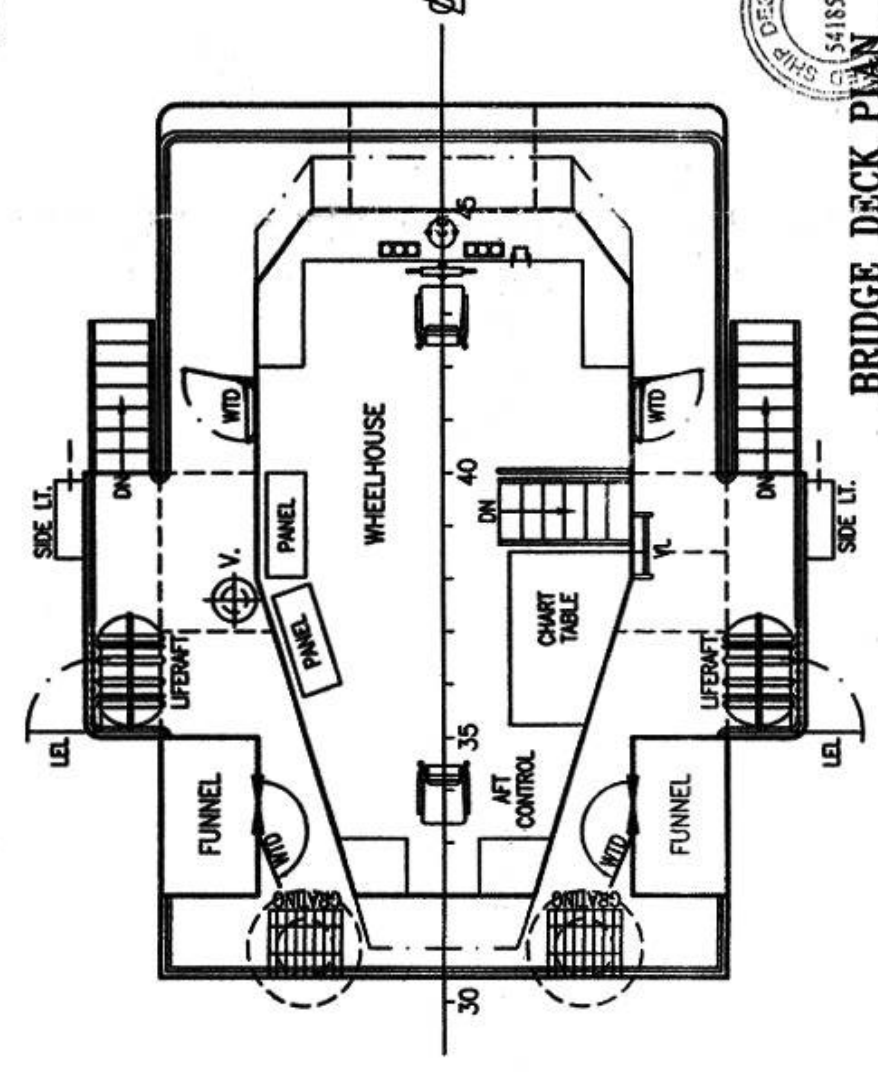
BELOW M.D.K. PLAN



STERN VIEW



FORECASTLE DECK PLAN



FOR APPROVAL

DATE	MODIFICATION	REV	BY
03.12.07	SLUDGE TK. BHD 08R.26 MOVE BACKWARD TO FR.25	A	WONG

UNITED SHIP DESIGN (NAVAL ARCHITECTS) NO.4, 1ST FLOOR, LORONG CHENGAL 2, 98000 SIBU, SARAWAK, MALAYSIA. TEL : +6084-328225, FAX : +6084-333825 EMAIL : usdesign@usdesign.com.my, usdesign@freemove.com		SHIP 32M TWIN SCREW TUG TITLE GENERAL ARRANGEMENT OWNER SL SHIPBUILDING CONTRACTOR SBN BHD BUILDER CL CLASS DRAWN CHECKED APPROVED SCALE T.K.WONG 14.07.07 1 : 75 US/250-01(A)
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BRIDGE DECK PLAN

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