

聯和造船私人有限公司  
**LINGCO SHIPBUILDING PTE. LTD.**

(Member of LINGCO Group)

80 MARINE PARADE ROAD #13-08, PARKWAY PARADE, SINGAPORE 1544.

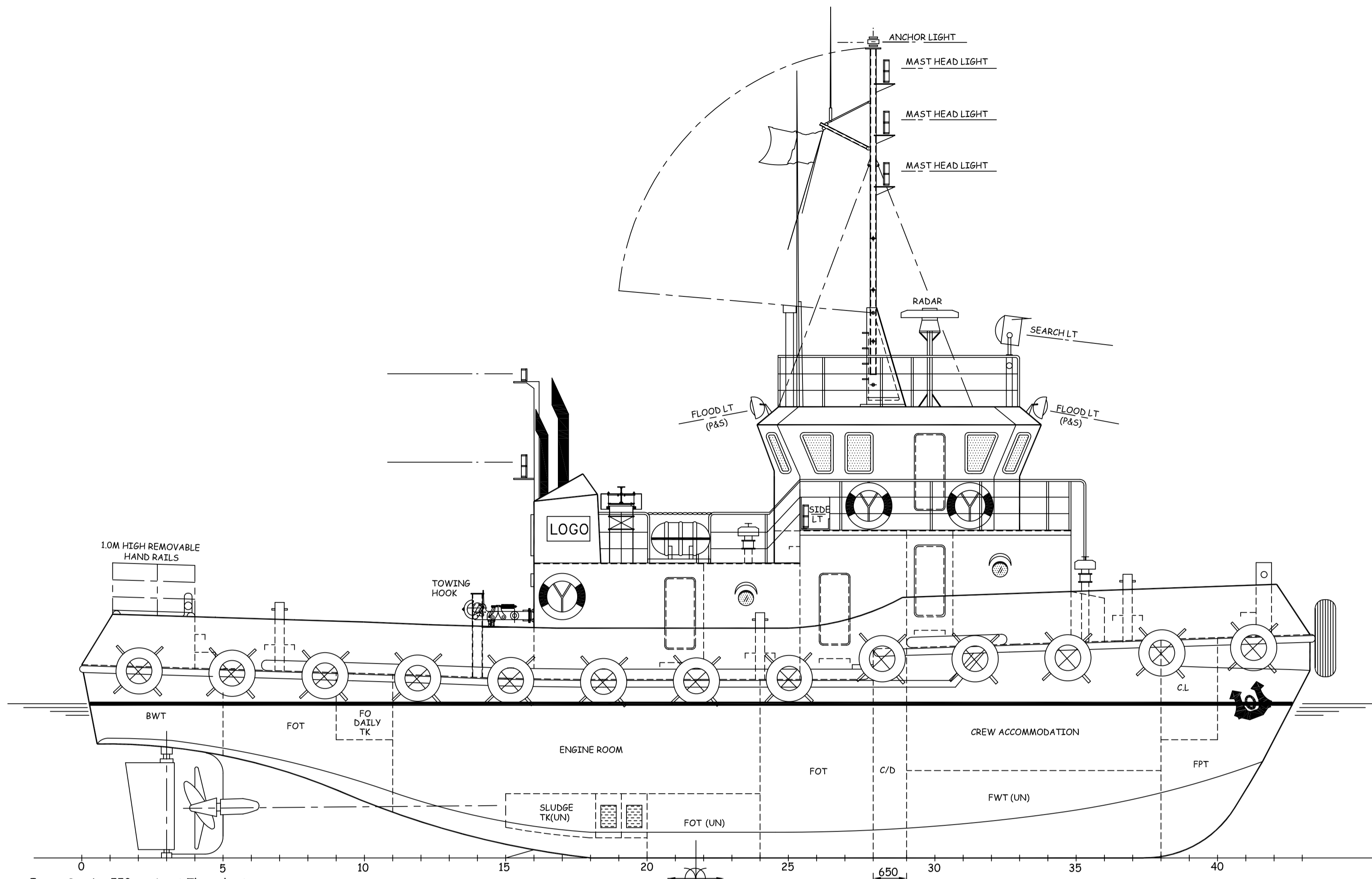
TEL : (65) 348 1077 FAX : (65) 440 7149

Company Reg No: 198204805D

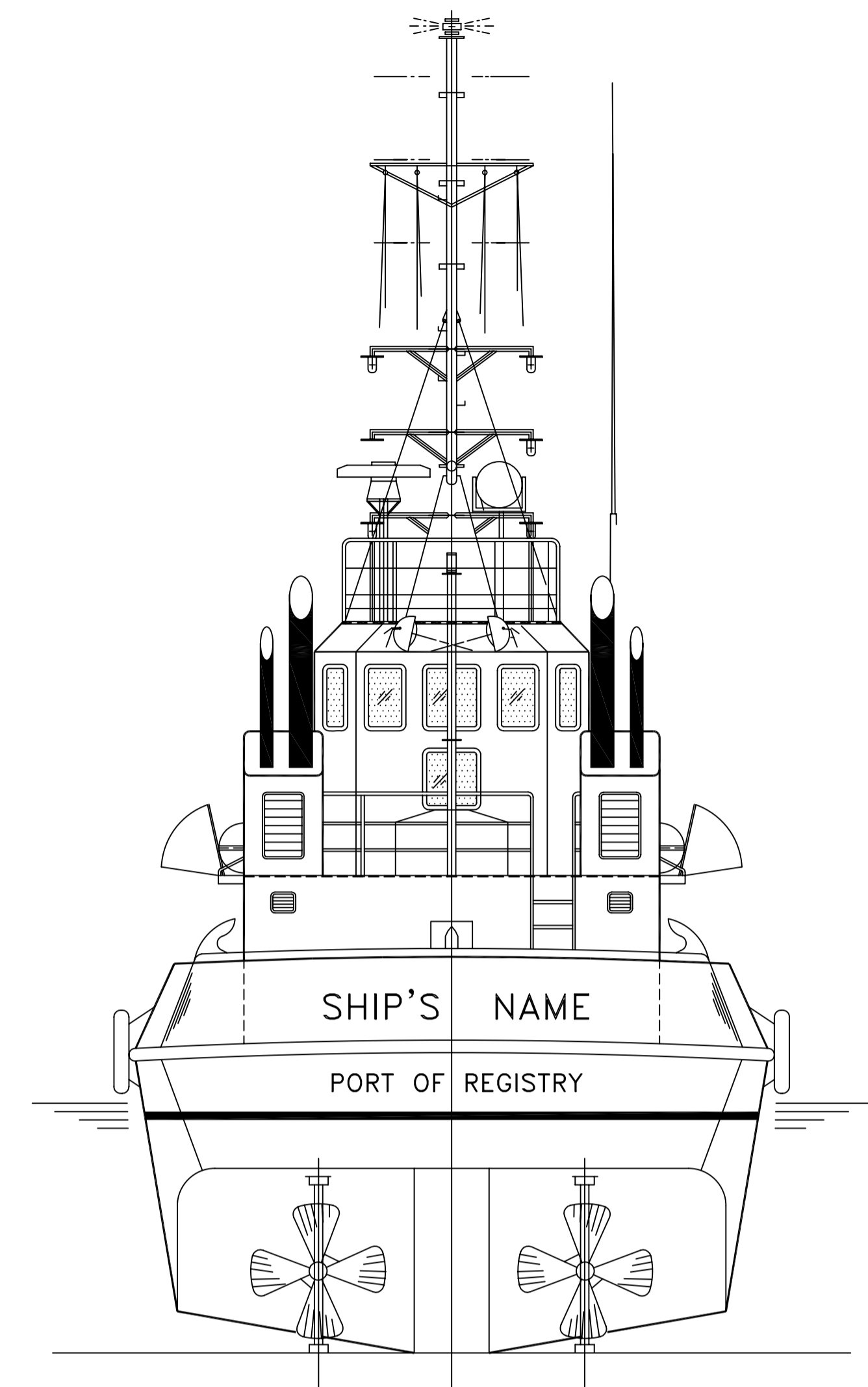
**BRIEF SPECIFICATION FOR 23.90M T.S. TUGBOAT**

<b>TYPE OF VESSEL</b>	: TWIN SCREW STEEL TUGBOAT
<b>CLASSIFICATION</b>	: N K K
<b>INTENDED PORT OF REGISTRY</b>	: SINGAPORE
<b>LENGTH (L.O.A.)</b>	: 23.90M
<b>BREADTH MLD.</b>	: 7.60M
<b>DEPTH MLD.</b>	: 3.50M
<b>DESIGNED DRAFT</b>	: 2.90M
<b>FUEL OIL TANK CAPACITY</b>	: APPROX. 90 TONS
<b>FRESH WATER TANK CAPACITY</b>	: APPROX. 30 TONS
<b>MAIN ENGINE</b>	: 2 x CUMMINS KTA 19M3 @600 BHP @1800 RPM
<b>GEARBOX</b>	: 2 x REINTJES WAF 364L @ RATION 6.048:1
<b>GENERATOR</b>	: 2 x 28KW YANMAR MARINISED GENSET
<b>TOWING HOOK</b>	: 1 x 20TON WITH MECHANICAL QUICK RELEASE
<b>ANCHOR WINDLASS</b>	: 1 x ELECTRO HYDRAULIC, DOUBLE GYPSY WITH SPEED @ 10M/MIN. C/W CHAIN & ANCHOR
<b>STEERING GEAR</b>	: 1 x 2TON "PALMARINE" ELECTRO-HYDRAULIC
<b>BILGE/BALLAST/GS/FIRE PUMP</b>	: 2 x 2"Ø "ITUR" PUMP, CAPACITY 18M <sup>3</sup> /HR x 25M HEAD
<b>FUEL OIL TRANSFER PUMP</b>	: 1 x 1½"Ø KOSHIN GL-40 GEAR PUMP, CAPACITY 95L/MIN.
<b>FRESH WATER PRESSURE PUMP</b>	: 1 x 1"Ø DAVEY PRESSURE PUMP
<b>OILY WATER SEPARATOR</b>	: 1 x 0.25M <sup>3</sup> /HR (CHINA MADE)
<b>RADIO NAVIGATIONAL AIDS</b>	: 1 x VHF, 1 x SSB, 1 x RADAR, 1 x GPS 1 x ECHO SOUNDER, 1 x 6"Ø STANDARD TABLE-TYPE COMPASS
<b>AIR CONDITIONING</b>	: SPLIT-UNIT AIR CONDITIONING FOR WHEELHOUSE & MESS ROOM ONLY
<b>SPEED (FREE RUNNING)</b>	: APPROX. 11 KNOTS
<b>CREW ACCOMMODATION</b>	: 10 MEN
<b>TRADING LIMIT</b>	: UNRESTRICTED
<b>EXPECTED DATE OF COMPLETION</b>	: END 2014

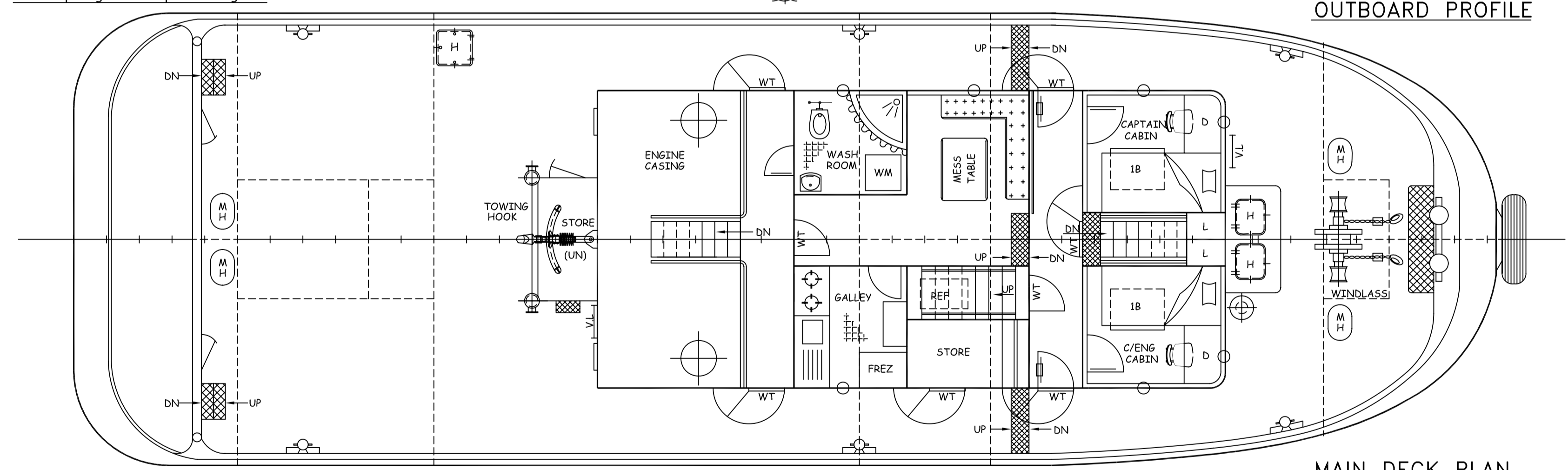
(NOTE: DETAILS GIVEN BELIEVED TO BE CORRECT BUT WITHOUT GUARANTEED)



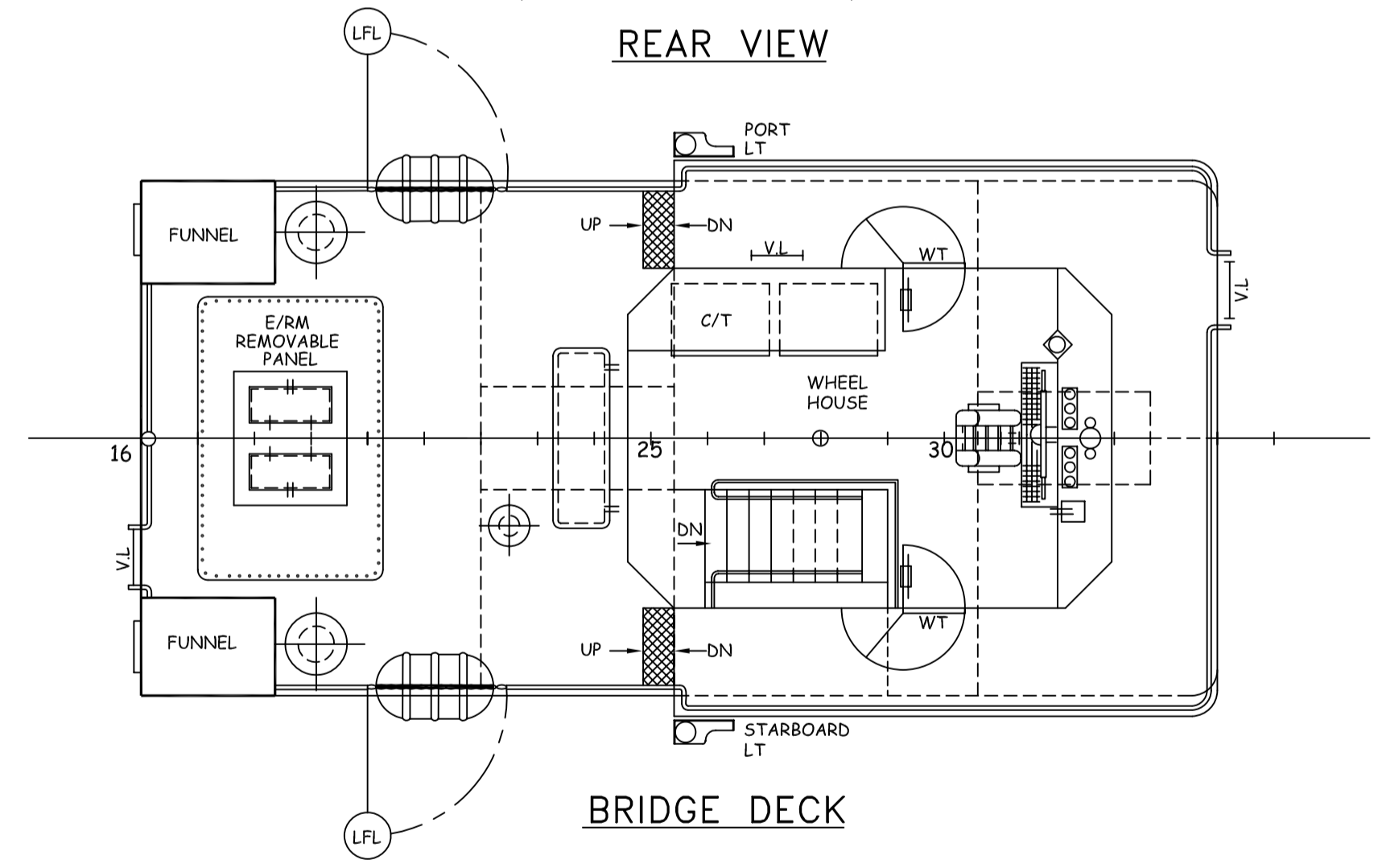
OUTBOARD PROFILE



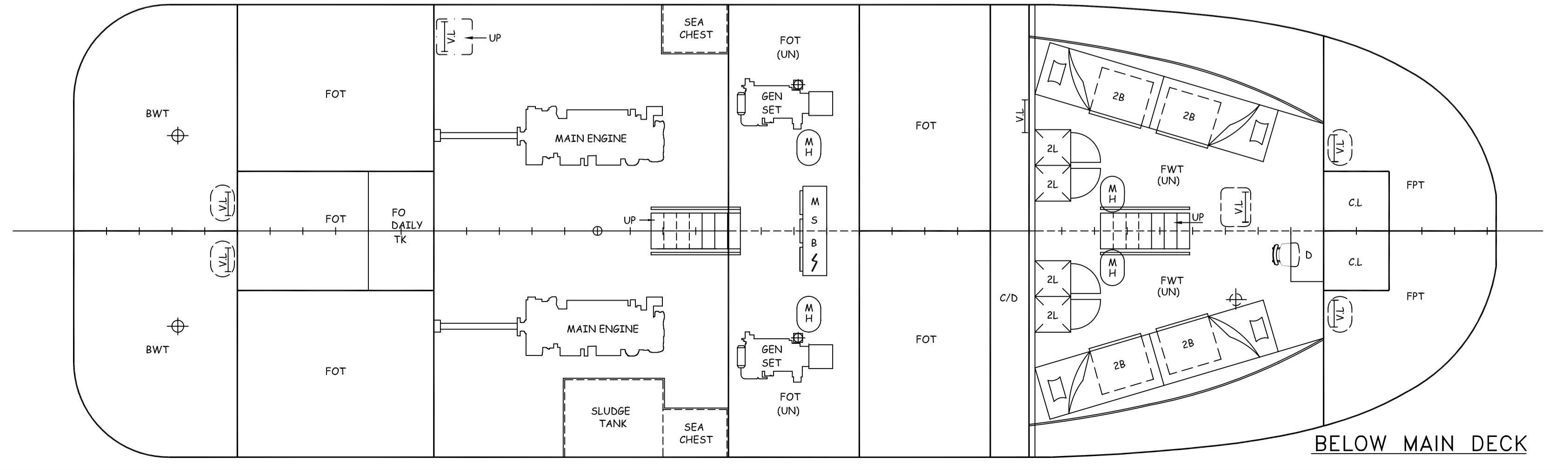
REAR VIEW



MAIN DECK PLAN



BRIDGE DECK



BELOW MAIN DECK

PRINCIPAL PARTICULARS:-	
L.O.A	23.90M
BEAM MLD	7.60M
DEPTH MLD	3.50M
DESIGNED DRAFT	2.90M
DESIGNED SPEED	ABT 11.0 KNOTS
CREW	10P
FOT	90 TONS APPROX
FWT	30 TONS APPROX
MAIN ENGINES	CUMMINS KTA19-M3 600HP @ 1800RPM x 2 NOS
GEN SETS	28KW x 2 NOS

DATE		MODIFICATION	
SHIP: 23.9M TWIN SCREW TUG			
SYARIKAT CHIENG, NAVAL ARCHITECT			
1st Floor, No. 7, Kai Peng Road Off Jalan Kampong Nyabor, P.O.Box 1281, Sibul, Sarawak, Malaysia. Tel. No: 326734, 324326 Fax No: 333544			
OWNER	EAST OCEANIC SHIPYARD SDN. BHD. YARD NO: E05 010		
BUILDER	NK		
TITLE: GENERAL ARRANGEMENT			
DRAWN	CHECKED	SCALE	DRAWING NO. REVISION NO.
		1:60	4812H-A 0

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