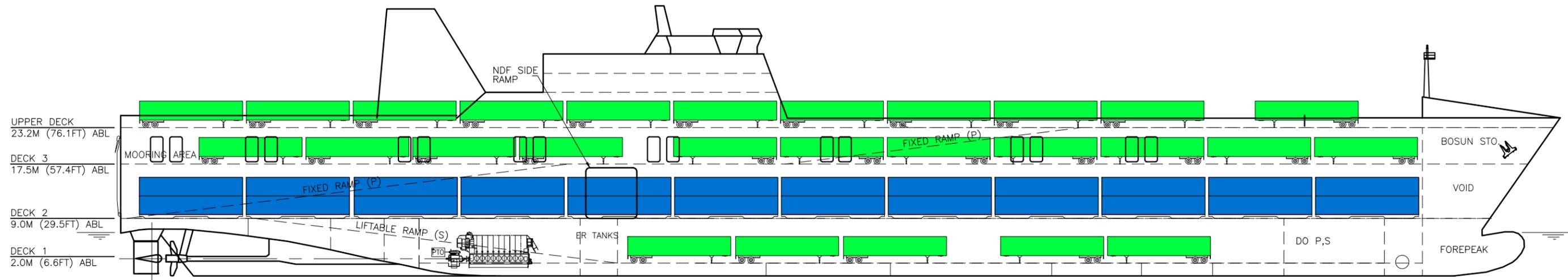


05 - AMH RoRo Large 21kt



Principal Particulars

MAIN DIMENSIONS

Length, Over All	225.7 m	740.5 ft
Length, Between Perp.	208.6 m	684.4 ft
Beam	29.5 m	96.78 ft
Depth	23.2 m	76.11 ft
Design Draft	6.8 m	22.31 ft
Dwt. at Design Draft	10,380 MT	
Cb at Design Draft	0.61	

HULL PROPORTIONS

L/B	7.1
B/T	4.3
B/D	1.3
L/D	9.0

CARGO

	Wt/Unit	Full Load Quantity	Full Load Weight
53' Containers	22	140	3,080
53' Trailers	20	203	4,060
Cassettes	3.56	70	249
Total ‡		960 TEU	7,389 MT
Reefer Outlets	50		

FULL LOAD CONDITION

Cargo Weight	7,389 MT
Consumables (98%)	2,241 MT
Ballast	650 MT
Constant	100 MT
Lightship	15,654 MT
Displacement	26,034 MT
Estimated GM	1.2 m

PROPULSION

Suggested Engine	2xMAN 9L51/60DF 2xWartsila 9L50DF
Speed at design draft	21 knots
Operating Power	16,200 kW *
MCR	18,000 kW
RPM	514

RANGE & CONSUMPTION

M/E Fuel Consumption†	76.8 MT/Day
M/E & D/G Fuel (no reefers)	80.9 MT/Day
Range (MGO)	~10,000 nm
Range (LNG)	4,000 nm

TANK CAPACITIES

Marine Gas Oil	2,300 m ³
LNG (if provided)	1,725 m ³
Fresh Water	380 m ³
Ballast Water	TBD m ³

Legend:

 53' Trailer
 53' Container

Notes:

† Fuel Consumption is based on MGO at the operating power.
LNG propulsion is an option and will require added storage tanks.
‡ Count assumes 2.8TEU/53' Trailer/Container
* Operating power is at design speed and draft with 15% sea margin



DRWN CNC
CHKD EVR
DATE 05-03-11
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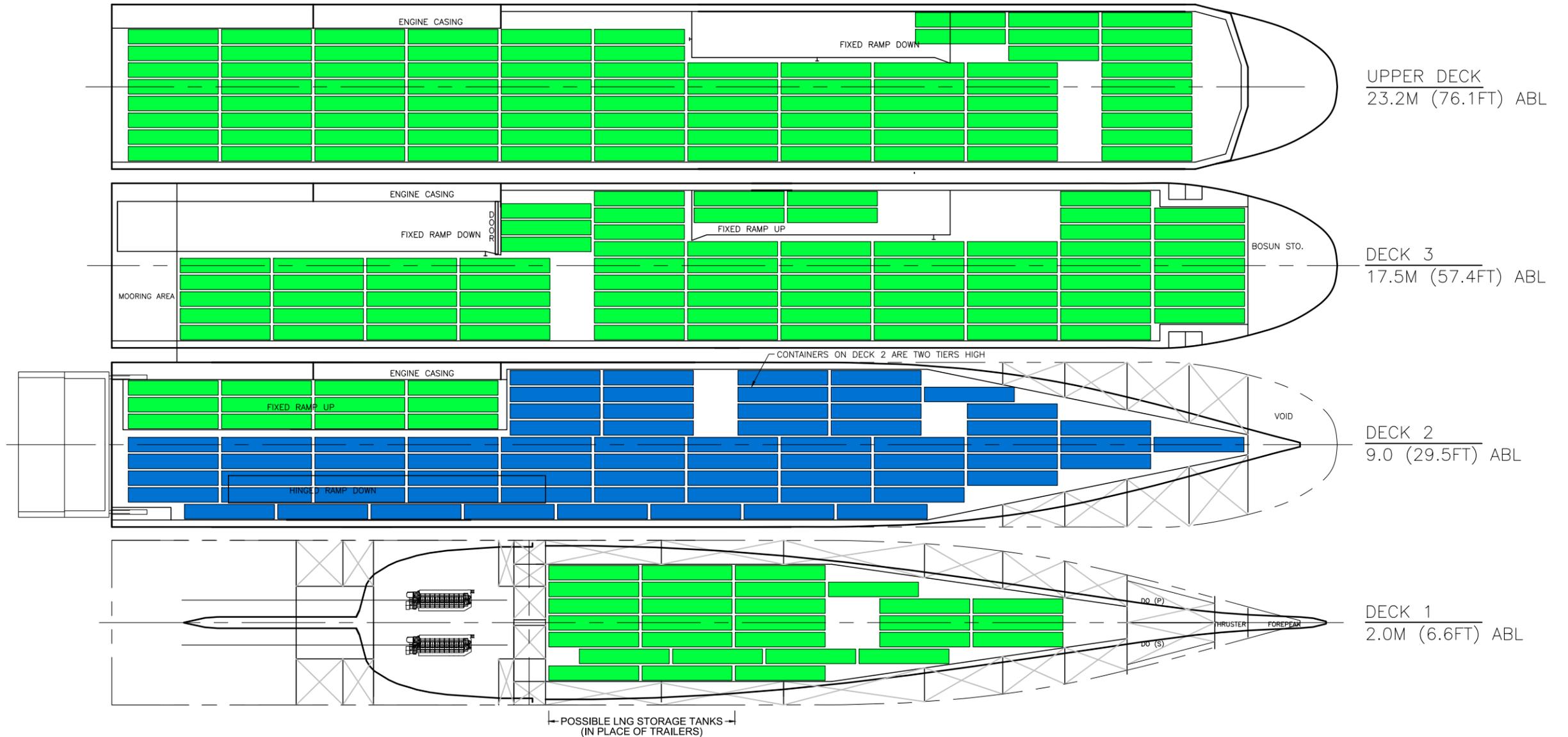
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DESIGN CONCEPT

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RORO DECKS	HEIGHT OF DECK m	HEIGHT TO DECK ABOVE m	DEPTH OF STRUCT OF DECK ABOVE m	CLEAR HEIGHT FOR VEHICLES		NET AREA		LANE LENGTH		SAMPLE STOW		DECK STRENGTH	
				m	ft	m ²	ft ²	lane-m	lane-ft	# trailers	# containers	t/m ²	PSF
Upper Deck	23.2	open	-	-	-	4,785	51,504	1,558	5,111	86	-	1.25	250
Deck 3	17.5	5.7	1.0	4.7	15.4	4,461	48,017	1,432	4,698	76	-	1.5	300
Deck 2	9.0	8.5	1.2	7.3	23.9	4,402	47,382	1,470	4,823	12	140	2.0	400
Deck 1	2.0	7	1.2	5.8	19.0	1,785	19,213	538	1,765	29	-	1.5	300
Total						15,433	166,116	4,998	16,397	203	140		

Legend:

- 53' Trailer
- 53' Container



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