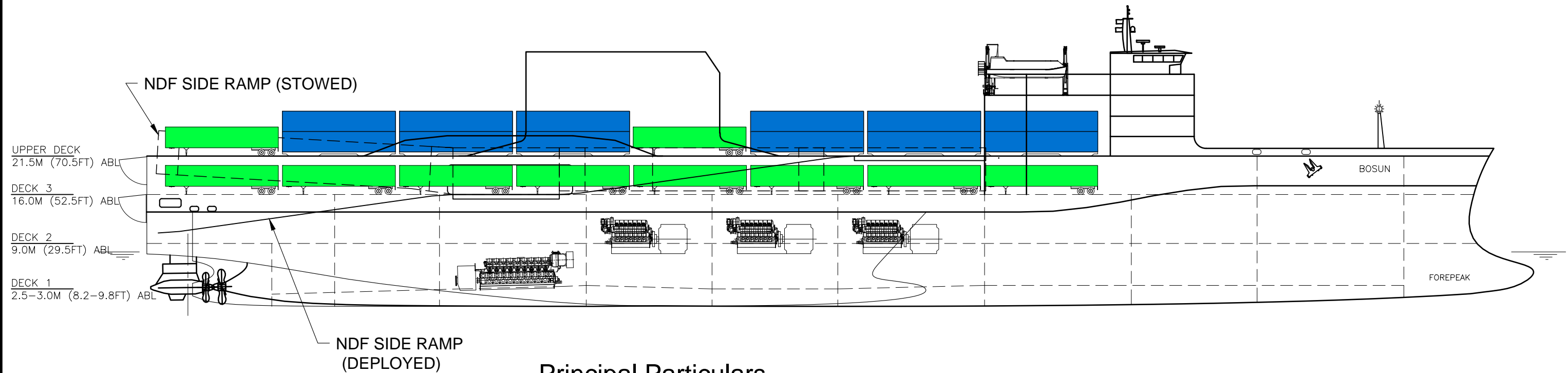


02-Trimaran RoRo 29kt SR



Principal Particulars

MAIN DIMENSIONS

Length, Over All	205 m	672.6 ft
Length, Between Perp.	186 m	610.2 ft
Beam	40.6 m	133.2 ft
Depth	21.5 m	70.5 ft
Design Draft	8.2 m	26.9 ft
Dwt. at Design Draft	7,333 MT	
Cb at Design Draft	0.54 (average)	

HULL PROPORTIONS

L/B	4.6
B/T	5.0
B/D	1.9
L/D	8.7

CARGO

	Wt/Unit	Full Load Quantity	Full Load Weight
53' Containers	17	138	2,346
53' Trailers	20	115	2,300
Cassettes	3.56	69	246
Total ‡		708 TEU	4,892 MT
Reefer Outlets	50		

FULL LOAD CONDITION

Cargo Weight	4,892 MT
Consumables (2400 NM)	1,371 MT
Ballast	950 MT
Constant	120 MT
Lightship	11,294 MT
Displacement	18,627 MT
Estimated GM	1.0 m

PROPULSION

Suggested Engine	MAN 18V48/60CR + 7 x 14V32/44CR D-G Sets
Speed at design draft	28.5 knots
Operating Power	67,400 kW *
MCR (with Elect Generators)	76,480 kW
RPM	514

RANGE & CONSUMPTION

Propulsion Fuel Cons. †	323 MT/Day
Propulsion & Elect Fuel	330 MT/Day
Range (MGO)	~5,000 nm

TANK CAPACITIES

Marine Gas Oil	3,800 m ³
Fresh Water	190 m ³
Ballast Water	9,900 m ³

Legend:

	53' Trailer
	53' Container

Notes:

- † Fuel Consumption is based on MGO at the operating power.
- ‡ Count assumes 2.8TEU/53' Trailer/Container
- * Operating power is at design speed and draft with 15% sea margin



DRWN RVS DATE 05-27-11
CHKD EVR FILE 2010-083



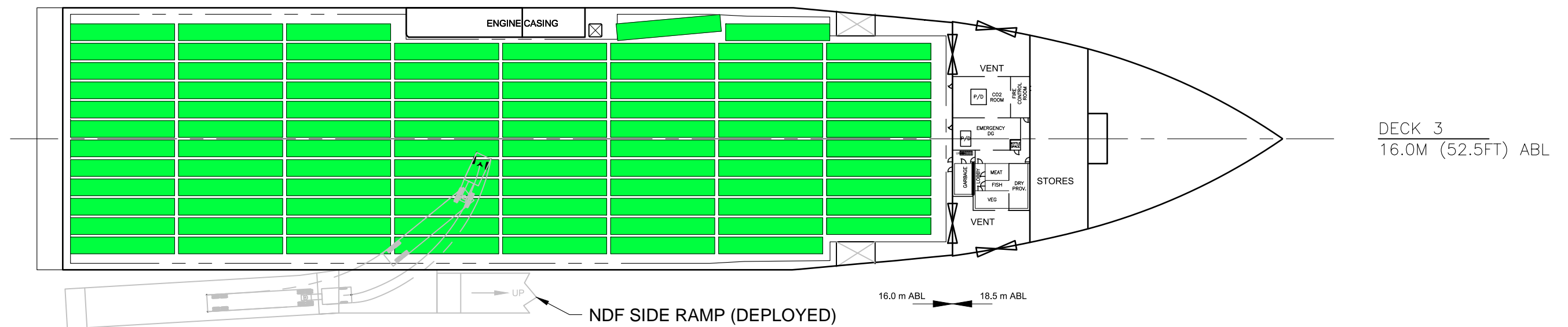
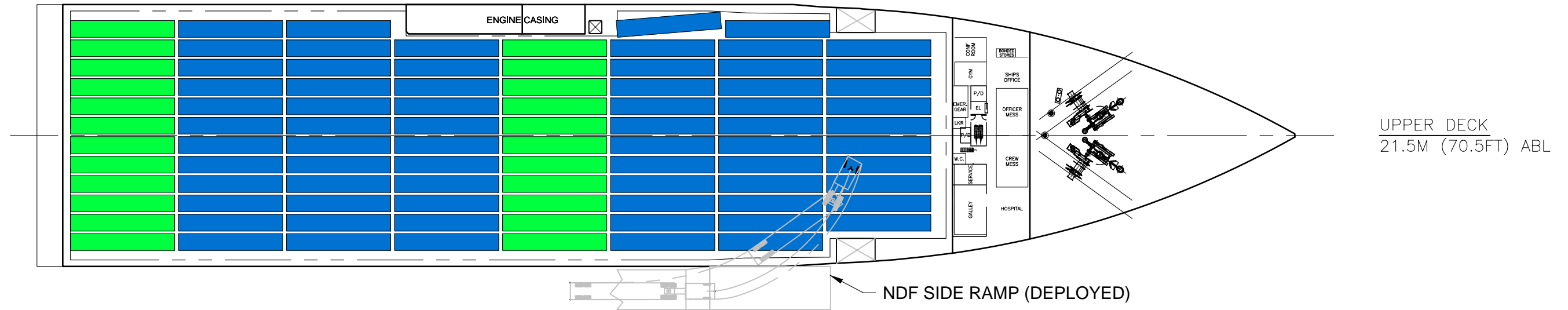
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AMERICAN MARINE HIGHWAY
DESIGN CONCEPT

TYPE Trimaran 29 Kt
CLASS RoRo

2010-083-050-02
Sheet 1 of 2 Rev. -

02-Trimaran RoRo 29kt SR



RORO DECKS	HEIGHT OF DECK	HEIGHT TO DECK ABOVE	DEPTH OF STRUCT OF DECK ABOVE	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	21.5	open	-	-	-	5,000	53,819	1,572	5,157	23	138	2.0	400
Deck 3	16	5.5	0.8	4.7	15.4	4,850	52,204	1,572	5,157	92	-	1.5	300
Total						9,850	106,023	3,144	10,315	115	138		

Legend:

- 53' Trailer
- 53' Container



DRWN RVS
CHKD EVR
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AMERICAN MARINE HIGHWAY
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2010-083-050-02
Sheet 2 of 2 Rev. -