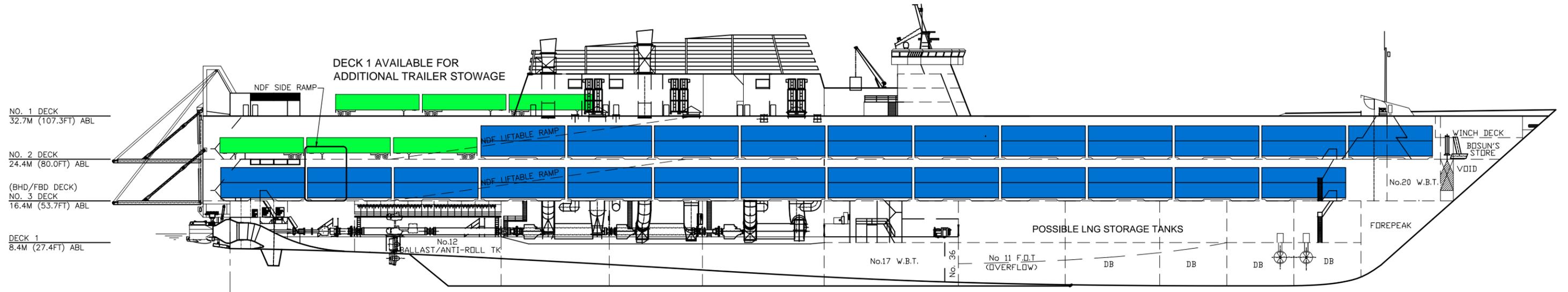


06-Fastship RoRo 30kt SR



Principal Particulars

MAIN DIMENSIONS

Length, Over All	265.0 m	869.4 ft
Length, Between Perp.	229.0 m	751.3 ft
Beam	40.0 m	131.2 ft
Depth	32.7 m	107.3 ft
Design Draft	10.0 m	32.8 ft
Dwt. at Design Draft	12,864 MT	
Cb at Design Draft	0.32	

HULL PROPORTIONS

L/B	5.7
B/T	4.0
B/D	1.2
L/D	7.0

CARGO

	Wt/Unit	Full Load Quantity	Full Load Weight
53' Containers	19.45	424	8,248
40' Containers	19.45	16	311
53' Trailers	20.0	60	1,200
Cassettes	3.56	220	783
Total ‡		1,387 TEU	10,542 MT
Reefer Outlets	50		

FULL LOAD CONDITION

Cargo Weight	10,542 MT
Consumables (2000 NM)	1,646 MT
Ballast	43 MT
Constant	633 MT
Lightship	17,098 MT
Displacement	29,962 MT
Estimated GM	7.0 m

PROPULSION

Suggested Engine	3xLM6000 Gas Turbine
Speed at design draft	29.4 knots
Operating Power	118,000 kW *
MCR	118,000 kW
RPM	3300

RANGE & CONSUMPTION

M/E Fuel Consumption†	613 MT/Day
M/E & D/G Fuel (no reefers)	623 MT/Day
Range (MGO)	4,300 nm
Range (LNG)	2,000 nm

TANK CAPACITIES

Marine Gas Oil	7,048 m ³
LNG (if provided)	3,840 m ³
Fresh Water	190 m ³
Ballast Water	9,504 m ³

Legend:

■	40' Container
■	53' Container
■	53' Trailer

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, 2.0TEU/40' Trailer/Container.
 * Operating power is at design speed and draft with 15% sea margin



DRWN RVS DATE 06-03-11
 CHKD EVR FILE 2010-083



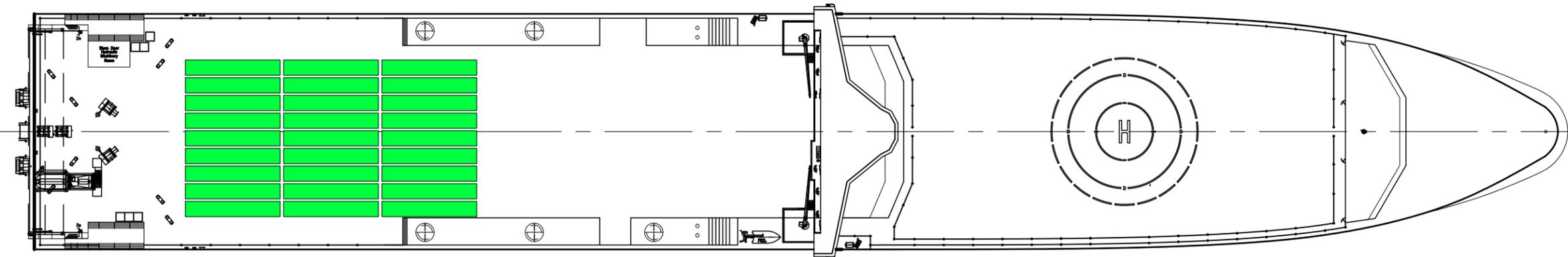
U.S. Maritime Administration

AMERICAN MARINE HIGHWAY
 DESIGN CONCEPT

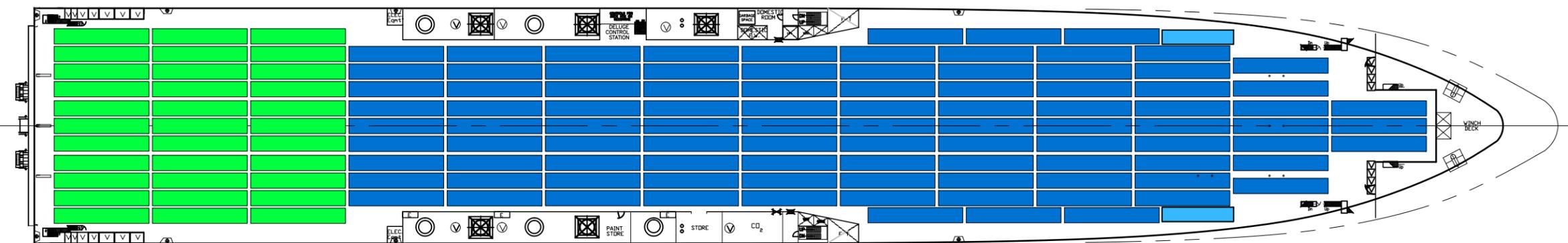
TYPE Large 30kt
 CLASS RoRo

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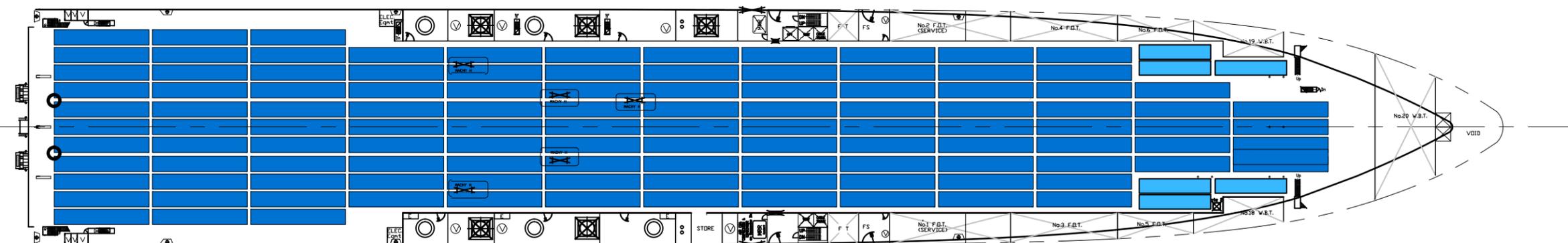
06-Fastship RoRo 30kt SR



NO. 1 DECK
32.7M (107.3FT) ABL



NO. 2 DECK
24.4M (80.0FT) ABL



NO. 3 DECK
16.4M (53.7FT) ABL

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
No. 1 Deck	32.7	open	-	-	-	3,364	36,209	1,041	3,415	27	0	1.25	250
No. 2 Deck	24.4	8.3	0.8	7.5	24.6	7,664	82,493	2,249	7,377	33	198	2.0	400
No. 3 Deck	16.4	8.0	0.8	7.2	23.6	6,861	73,850	2,046	6,713	0	242	2.0	400
Total						17,889	192,552	5,336	10,793	60	440		

Legend:

- 40' Container
- 53' Container
- 53' Trailer



DRWN RVS
CHKD EVR
DATE 06-03-11
FILE 2010-083



U.S. Maritime Administration

AMERICAN MARINE HIGHWAY
DESIGN CONCEPT

TYPE Large 30kt
CLASS RoRo

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