



FLAG	<b>CHINESE</b>	PORT OF REGISTRY	<b>SHANGHAI</b>
MASTER/CREW	<b>CHINESE</b>	INMARSAT "C "	<b>441201139</b>
		IMO No	<b>9133410</b>
CALL SIGN	<b>BQIB</b>	OPERATED SINCE	<b>1997, Sept. 27th</b>
BUILT	<b>3. Maj Shipyard, Rijeka</b>		

TONNAGE		GROSS	NET
	International	<b>18207</b>	<b>9209</b>
	Suez Canal	<b>19134</b>	<b>16112</b>
	Panama Canal	-	<b>15783</b>

CLASS            CCS:    \* CSA \* CSM CMS AUT - 0

TYPE    Multipurpose cargo vessel. Strengthened for carriage of heavy cargoes and adapted for carriage of containers.



MAIN ENGINE							SPEED knots	FUEL CON- SUMPTION t/day
Type	kW ~ BHP		at rpm		Fuel			
<b>SULZER 5RTA 62</b>	<b>9 500 ~12 925</b>		<b>109</b>		<b>HFO 380</b>	<b>13,2</b>	<b>20,4</b>	
						<b>13,5</b>	<b>21,8</b>	
						<b>13,8</b>	<b>23,3</b>	
						<b>14,1</b>	<b>24,8</b>	
AUXILIARY ENGINES (Diesel Generator sets)							<b>14,4</b>	<b>26,4</b>
Type	kW	rpm	kVA	AC V	Hz	Fuel		
<b>3 x ADRIA DIESEL 6S20</b>	<b>870</b>	<b>900</b>				<b>HFO 380</b>	<b>14,7</b>	
<b>Generators SIEMENS S7178</b>			<b>880</b>	<b>450</b>	<b>60</b>		<b>28,0</b>	
<b>1 x emergency: SCANIA DS9 69M 153</b>						<b>M.D.O.</b>	<b>15,0</b>	
<b>Generator STAMFORD MHC 2746</b>			<b>175</b>	<b>450</b>	<b>60</b>		<b>29,7</b>	
							<b>15,3</b>	
							<b>15,6</b>	
							<b>33,3</b>	
							<b>15,9</b>	
							<b>35,3</b>	
							<b>16,0</b>	
							<b>36,3</b>	
							Aux.Eng.	<b>+3,6</b>
BOILERS							PORT	
Type	kg/h		mPa		Fuel	Aux.Eng.	<b>2,0</b>	
<b>Oil-fired AALBORG-SUNROD</b>	<b>2 000</b>		<b>8</b>		<b>HFO 380</b>	Boiler	<b>1,5</b>	
<b>Exhaust-gas AALBORG-SUNROD</b>	<b>1 500</b>		<b>8</b>					

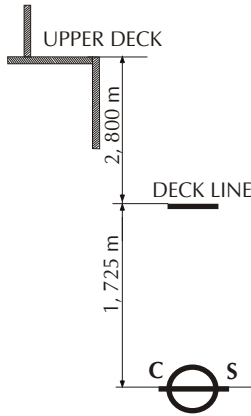
VENTILATION of cargo compartments

**Natural supply, mechanical exhaust: 10 air changes per hour.**

FRESH WATER EVAPORATOR

ALFA LAVAL: **23 t/24 h**

TANK CAPACITY	m <sup>3</sup>	Capacity 100%	SG T/m <sup>3</sup>	t
Fuel Oil	<b>1 200,3</b>	<b>98</b>	<b>0,960</b>	<b>1 152,3</b>
+ overflow & drain tanks	<b>34,0</b>	<b>98</b>	<b>0,960</b>	<b>32,6</b>
Diesel Oil	<b>80,3</b>	<b>98</b>	<b>0,860</b>	<b>69,0</b>
Lubricating Oil	<b>75,1</b>	<b>98</b>	<b>0,900</b>	<b>67,5</b>
+ storage & service tanks	<b>45,6</b>	<b>98</b>	<b>0,900</b>	<b>41,0</b>
Fresh Water	<b>234,6</b>	<b>100</b>	<b>1,000</b>	<b>234,6</b>
+ draining & washing tanks	<b>11,5</b>	<b>100</b>	<b>1,000</b>	<b>11,5</b>
Ballast Water	<b>7 391,9</b>	<b>100</b>	<b>1,025</b>	<b>7 576,6</b>
+ sludge & bilge water tanks	<b>80,2</b>	<b>100</b>	<b>1,025</b>	<b>82,2</b>



LOADING SCALE													
FREEBOARD FROM DECK LINE	DRAUGHT	TONNES PER CM IMMERSION IN SALT WATER $\gamma=1,025 \text{ t/m}^3$	MOMENT TO CHANGE TRIM TM	DISPLACEMENT (TONNES)				DEADWEIGHT (TONNES)				DRAUGHT	
				SPEC. GRAVITY 1,000 - 1,025 t/m <sup>3</sup>		SPEC. GRAVITY 1,000 - 1,025 t/m <sup>3</sup>		SPEC. GRAVITY 1,000 - 1,025 t/m <sup>3</sup>		SPEC. GRAVITY 1,000 - 1,025 t/m <sup>3</sup>			
METRES	METRES	T/CM	TONNES X M	1,000	1,025	1,000	1,025	1,000	1,025	1,000	1,025	METRES	
1	10	40	44000	37000				27000				10	
				36000				26000					
				35000				25000					
				34000				24000					
				33000				23000					
	9	39	38	42000	32000				33000				9
					31000				32000				
					30000				31000				
					29000				30000				
					28000				29000				
2	8	37	37000	29000				19000				8	
				28000				18000					
				27000				17000					
				26000				16000					
				25000				15000					
	7	36	36	34000	26000				16000				7
					25000				15000				
					24000				14000				
					23000				13000				
					22000				12000				
3	6	35	32000	22000				22000				6	
				21000				21000					
				20000				20000					
				19000				19000					
				18000				18000					
	5	34	35	31000	18000				18000				5
					17000				17000				
					16000				16000				
					15000				15000				
					14000				14000				
4	4	34	29000	13000				13000				4	
				12000				12000					
				11000				11000					
				10000				10000					
				9000				9000					
	3	3	33	28000	9000				9000				3
					8000				8000				
					7000				7000				
					6000				6000				
					5000				5000				

DEADWEIGHT DRAFT  
(T) (m)

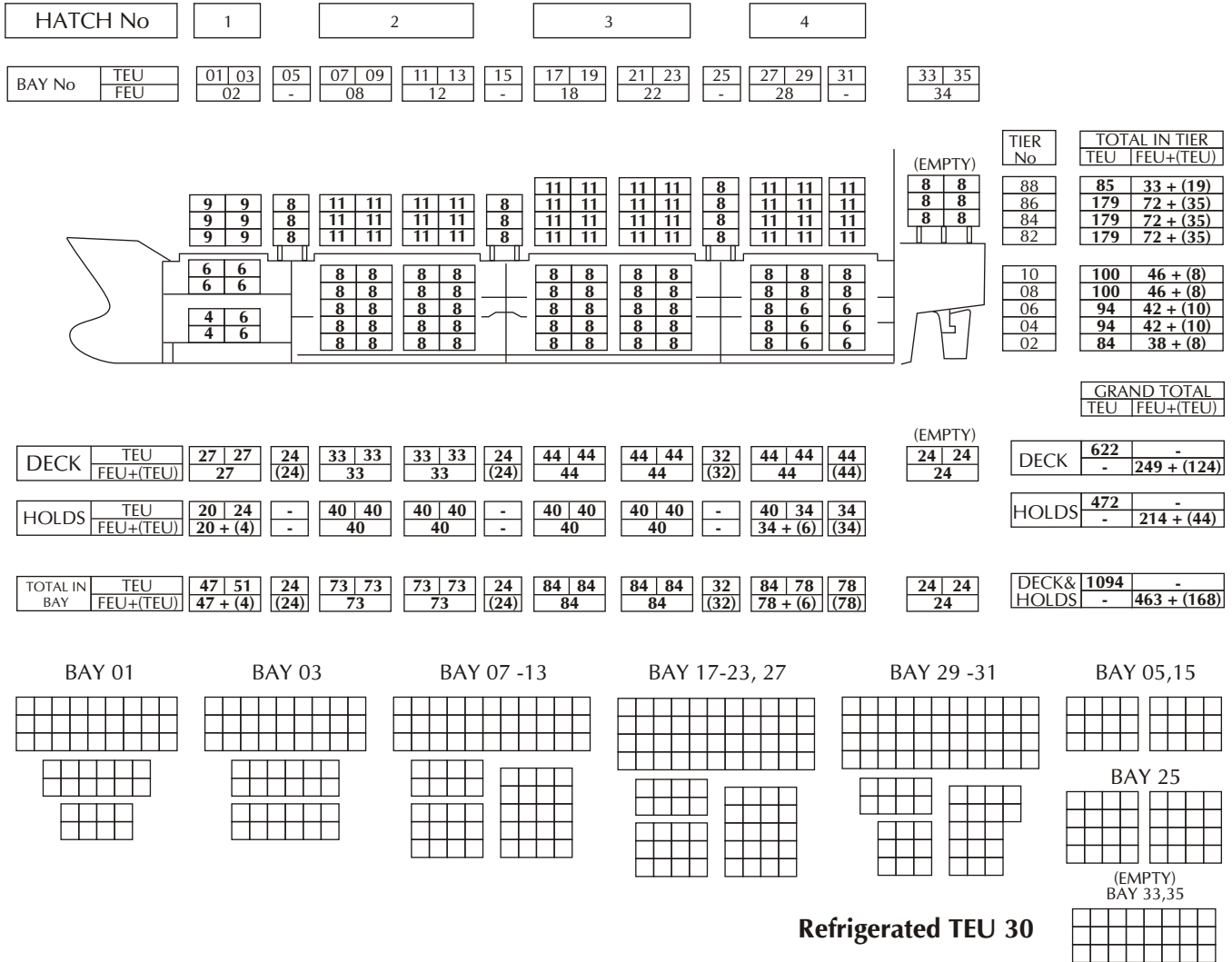
SUMMER S.W. **21 963** **9,32**

Constant stores: **460**

Light ship **9 654**

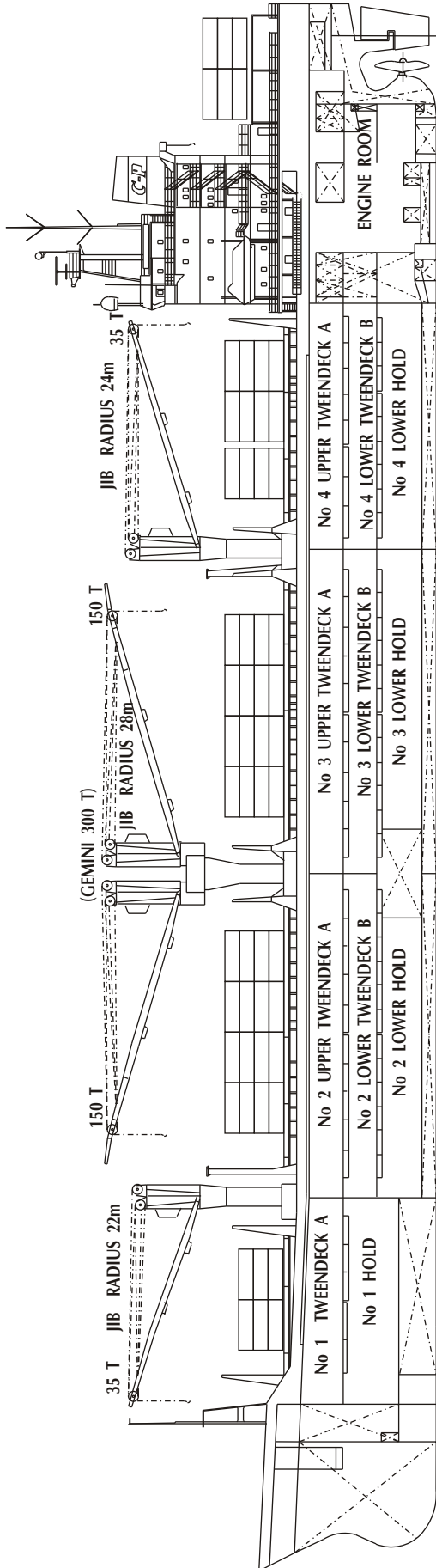


CONTAINER CAPACITY



MAX. PERMISSIBLE LOADING

PERMISSIBLE LOADING	UNIFORMLY DISTRIBUTED LOAD	CONTAINER POINT LOAD (TEU/FEU)
	T/m <sup>2</sup>	tonnes
On Upper Deck Hatch Covers Nos. 1,2,3,4	<b>1,78</b>	<b>51/63</b>
On Poop Deck		<b>9,0</b>
On 2nd Deck and 2nd Deck Hatch Covers	<b>4,0</b>	<b>48,9/61,2</b>
On 3rd Deck and 3rd Deck Hatch Covers	<b>2,7</b>	<b>24,5/30,6</b>
On Double Bottom Tank Top In Hold No 1	<b>11,2</b>	<b>97,9/122,4</b>
On Double Bottom Tank Top In Holds Nos. 2, 3, 4	<b>14,2</b>	<b>122,4/152,9</b>



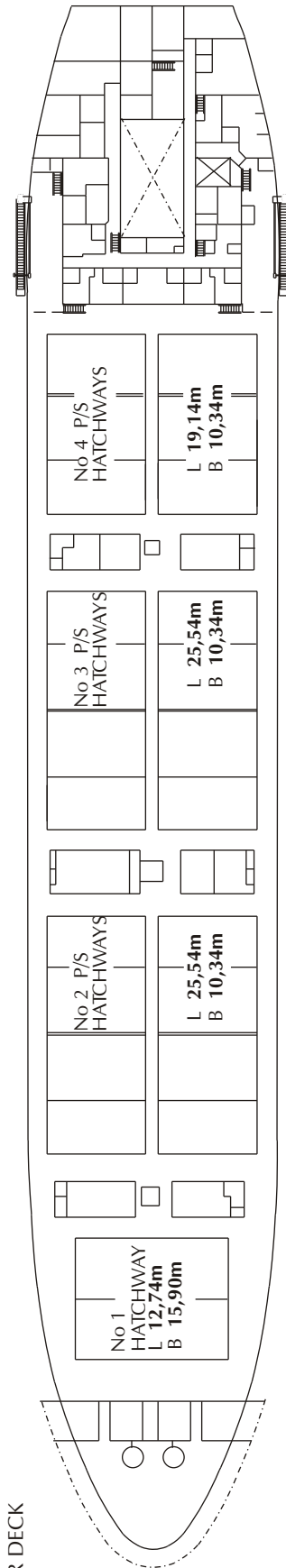
PRINCIPAL DIMENSIONS

LENGTH overall **169,69** m  
 - b/w perpendicular **162,43** m  
 BREADTH moulded **27,50** m  
 DEPTH moulded **13,80** m  
 HEIGHT maximal from keel plate to - top of aerial mast **45,0** m

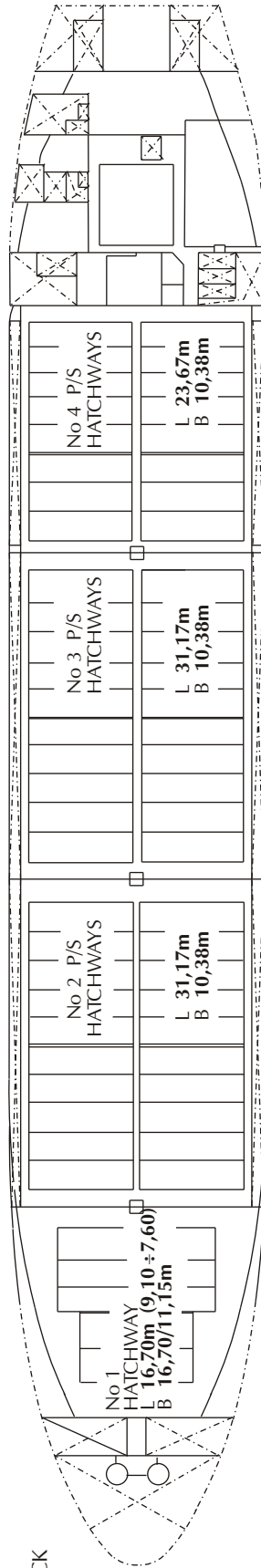
HATCH No	1	2	3	4
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DIMENSIONS (m)	L	B	H	L	B	H	L	B	H	L	B	H
Upper Tweendeck	26,4	11,2 - 25,4	3,60	35,2	24,8	3,6	35,2	24,8	3,6	26,4	24,8	3,6
Lower Tweendeck	-	-	-	35,2	27,2	3,1	35,2	27,2	3,1	26,4	23,8	3,1
Lower Hold	26,4	11,4 - 23,0	5,40	30,4	2x12,0	4,2	30,4	2x12,0	4,2	26,4	15,4 - 25,4	4,2

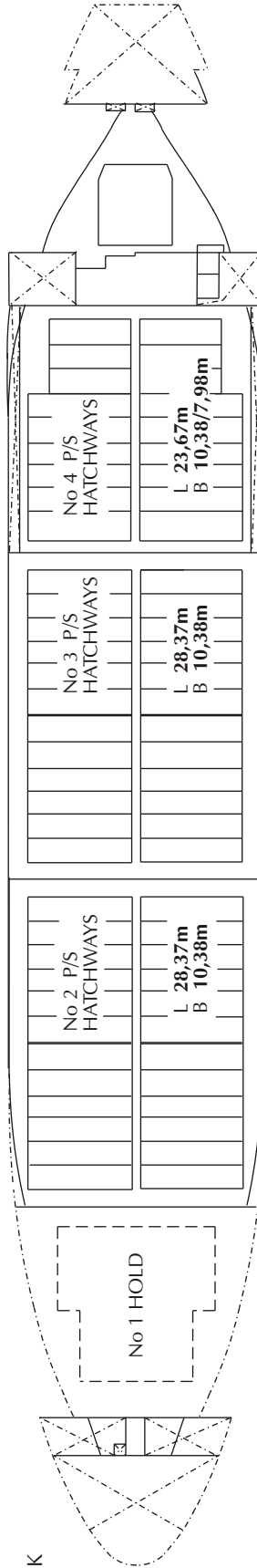
GRAIN CAPACITY	m <sup>3</sup>			cub.ft			m <sup>3</sup>			cub.ft			TOTAL		
	L	B	H	L	B	H	L	B	H	L	B	H	m <sup>3</sup>	cub.ft	
Upper Tweendeck	2 703,8	95 487	3,60	4 270,7	150 824	3,6	4 279,4	151 131	3,6	3 212,8	113 463	3,6	14 466,7	510 905	
Lower Tweendeck	-	-	-	3 566,6	125 958	3,1	3 610,8	127 519	3,1	2 480,2	87 591	3,1	9 657,6	341 068	
Lower Hold	2 874,5	101 516	5,40	3 615,9	127 699	4,2	3 494,2	123 401	4,2	3 230,5	114 088	4,2	13 215,1	466 704	
<b>Total</b>	<b>5 578,3</b>	<b>197 003</b>	<b>171 735</b>	<b>11 453,2</b>	<b>404 481</b>	<b>404 481</b>	<b>11 384,4</b>	<b>402 051</b>	<b>402 051</b>	<b>8 923,5</b>	<b>315 142</b>	<b>315 142</b>	<b>37 339,4</b>	<b>1 318 677</b>	
BALE CAPACITY	m <sup>3</sup>			cub.ft			m <sup>3</sup>			cub.ft			TOTAL		
Upper Tweendeck	2 426,0	85 677	3,60	4 172,5	147 356	3,6	4 183,1	147 730	3,6	3 124,4	110 341	3,6	13 906,0	491 104	
Lower Tweendeck	-	-	-	3 007,8	106 223	3,1	3 066,2	108 286	3,1	2 140,7	75 601	3,1	8 214,7	290 110	
Lower Hold	2 436,8	86 058	5,40	3 149,5	111 228	4,2	3 151,6	111 302	4,2	2 747,5	97 031	4,2	11 485,4	405 619	
<b>Total</b>	<b>4 862,8</b>	<b>171 735</b>	<b>171 735</b>	<b>10 329,8</b>	<b>364 807</b>	<b>364 807</b>	<b>10 400,9</b>	<b>367 318</b>	<b>367 318</b>	<b>8 012,6</b>	<b>282 973</b>	<b>282 973</b>	<b>33 606,1</b>	<b>1 186 833</b>	



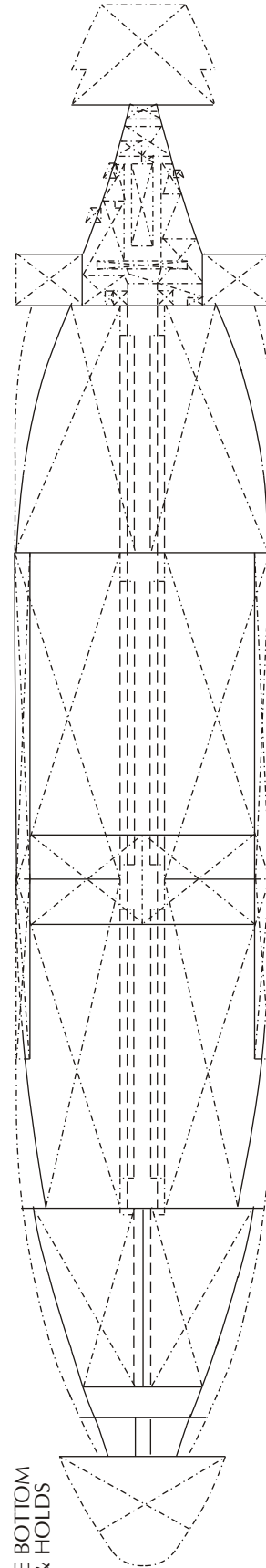
UPPER DECK



2nd DECK



3rd DECK

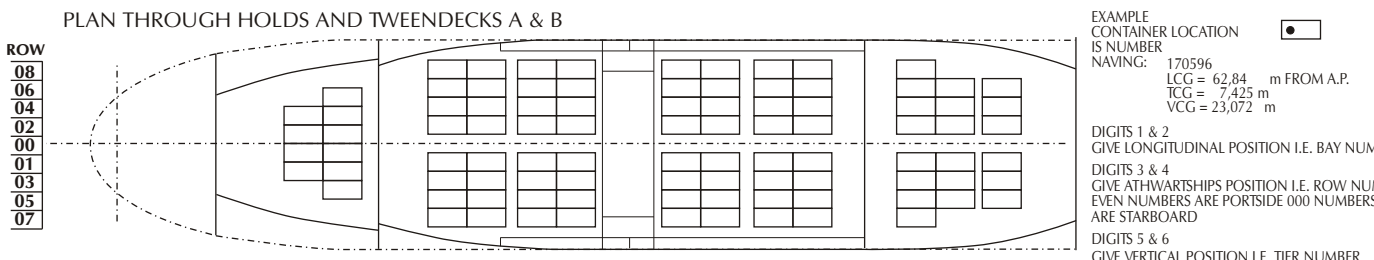
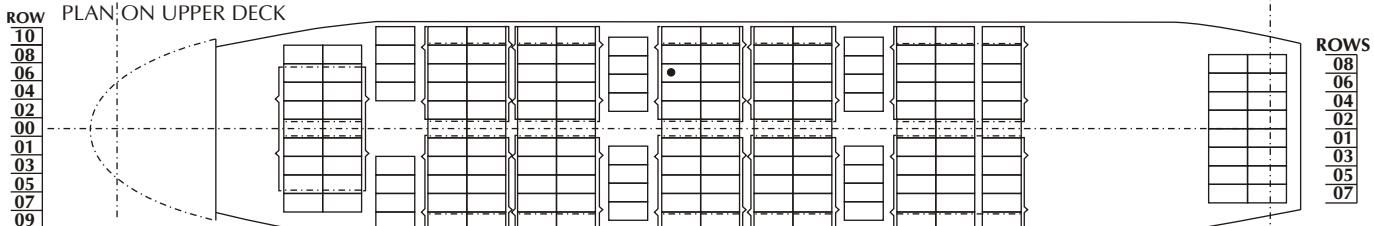
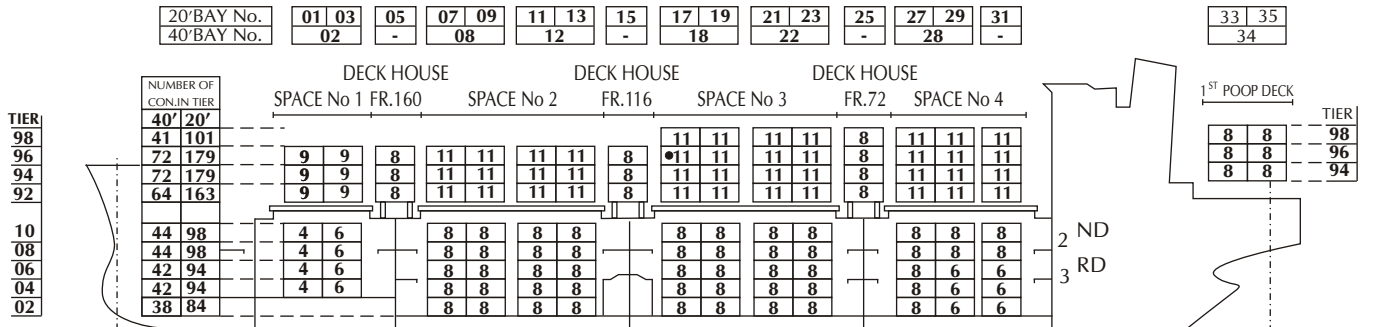


DOUBLE BOTTOM  
TANKS & HOLDS



CONTAINER STOWAGE PLAN

2<sup>ND</sup> AND 3<sup>RD</sup> DECK HATCH COVERS OPENED

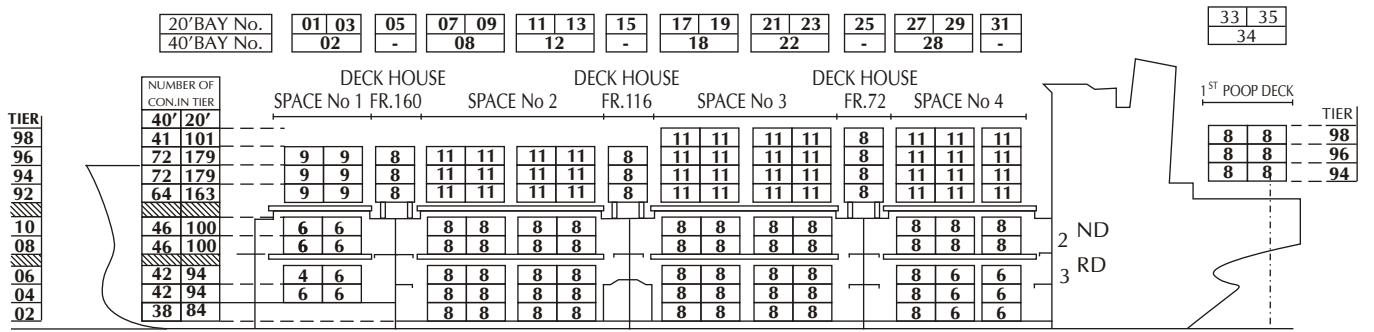


EXAMPLE CONTAINER LOCATION IS NUMBER:  
NAVING: 170596  
LCG = 62,84 m FROM A.P.  
TCG = 7,425 m  
VCG = 23,072 m

DIGITS 1 & 2 GIVE LONGITUDINAL POSITION I.E. BAY NUMBER  
DIGITS 3 & 4 GIVE ATHWARTSHIPS POSITION I.E. ROW NUMBER  
EVEN NUMBERS ARE PORTSIDE 000 NUMBERS ARE STARBOARD  
DIGITS 5 & 6 GIVE VERTICAL POSITION I.E. TIER NUMBER

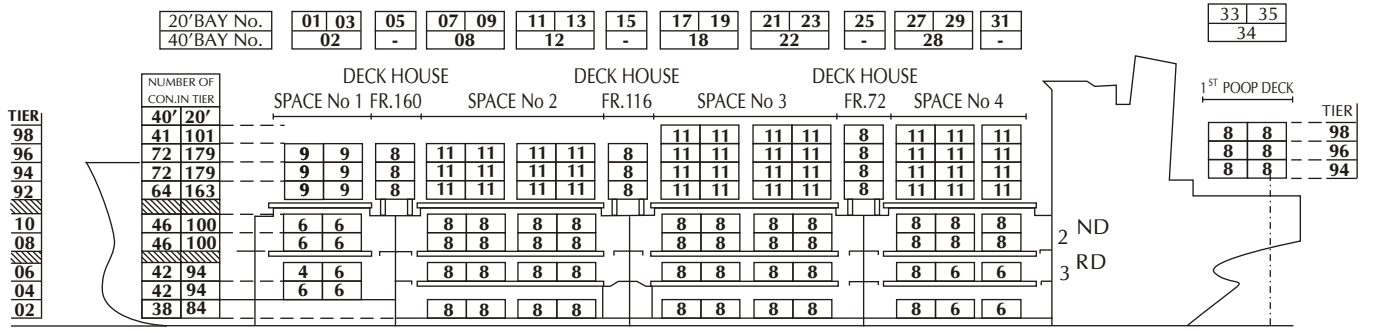
NUMBER OF CONT IN BAYS	43	51	24	73	73	73	73	24	84	84	84	84	32	84	78	78	20 FT (TEU)	24	24
NUMBER OF CONT IN BAYS	43	-	-	73	73	73	73	-	84	84	84	84	-	78	78	-	40 FT (FEU)	24	24

2<sup>ND</sup> DECK HATCH COVERS CLOSED  
3<sup>RD</sup> DECK HATCH COVERS OPENED



NUMBER OF CONT IN BAYS	43	51	24	73	73	73	73	24	84	84	84	84	32	84	78	78	20 FT (TEU)	24	24
NUMBER OF CONT IN BAYS	43	-	-	73	73	73	73	-	84	84	84	84	-	78	78	-	40 FT (FEU)	24	24

2<sup>ND</sup> DECK HATCH COVERS CLOSED  
3<sup>RD</sup> DECK HATCH COVERS OPENED



NUMBER OF CONT IN BAYS	43	51	24	73	73	73	73	24	84	84	84	84	32	84	78	78	20 FT (TEU)	24	24
NUMBER OF CONT IN BAYS	43	-	-	73	73	73	73	-	84	84	84	84	-	78	78	-	40 FT (FEU)	24	24

2<sup>ND</sup> DECK HATCH COVERS CLOSED  
3<sup>RD</sup> DECK HATCH COVERS OPENED



DISTRIBUTION OF 40 FT AND 20 FT CONTAINERS																			
		ON 1 <sup>ST</sup> POOP DECK		SPACE No. 4		DECK HOUSE FR 72		SPACE No. 3		DECK HOUSE FR 116		SPACE No. 2		DECK HOUSE FR 160		SPACE No. 1		TOTAL	
BAY No.	TIER No.	20 FT		40 FT		20 FT		40 FT		20 FT		40 FT		20 FT		40 FT			
		34	28	25	15	12	08	05	02	20'	40'								
<b>ON UPPER DECK</b>		98	8	11	11	8	11	11	8	/	/	/	/	19	41				
		96	8	11	11	8	11	11	8	11	11	8	9	35	72				
		94	8	11	11	8	11	11	8	11	11	8	9	35	72				
		92	/	11	11	8	11	11	8	11	11	8	9	35	64				
<b>TOTAL 1</b>		20'		44		32			24			24		124					
		40'	24		44		44	44		33	33		27		249				
<b>2<sup>ND</sup> DECK HATCH COVERS - CLOSED 3<sup>RD</sup> DECK HATCH COVERS - OPENED</b>		<b>CARGO SPACE</b>		TWEENDECK "A"		TWEENDECK "B"		TWEENDECK "C"		TWEENDECK "D"		TWEENDECK "E"		TWEENDECK "F"		TWEENDECK "G"		TWEENDECK "H"	
				10		8	8		8	8		8	8		6	8	46		
				08		8	8		8	8		8	8		6	8	46		
				20'		16										16			
				40'			16		16	16		16	16		12		92		
				06		6	6		8	8		8	8		4	6	42		
				04		6	6		8	8		8	8		4	6	42		
				02		6	6		8	8		8	8		/	6	38		
				20'		18										18			
				40'			18		24	24		24	24		8	/	122		
<b>TOTAL 2</b>		20'		34										34					
		40'			34		40	40		40	40		20		214				
<b>GRAND TOTAL 1+2</b>		20'		78		32			24			24		158					
		40'	24		78		84	84		73	73		47		463				
<b>2<sup>ND</sup> DECK HATCH COVERS - CLOSED 3<sup>RD</sup> DECK HATCH COVERS - OPENED</b>		<b>CARGO SPACE</b>		TWEENDECK "A"		TWEENDECK "B"		TWEENDECK "C"		TWEENDECK "D"		TWEENDECK "E"		TWEENDECK "F"		TWEENDECK "G"		TWEENDECK "H"	
				10		8	8		8	8		8	8		4	8	44		
				08		8	8		8	8		8	8		4	8	44		
				06		6	6		8	8		8	8		4	6	42		
				04		6	6		8	8		8	8		4	6	42		
				02		6	6		8	8		8	8		/	6	38		
				20'		34										34			
				40'			34		40	40		40	40		16		210		
		<b>TOTAL 3</b>		20'		78		32			24			24		158			
				40'	24		78		84	84		73	73		43		459		
<b>2<sup>ND</sup> DECK HATCH COVERS - CLOSED 3<sup>RD</sup> DECK HATCH COVERS - OPENED</b>		<b>CARGO SPACE</b>		TWEENDECK "A"		TWEENDECK "B"		TWEENDECK "C"		TWEENDECK "D"		TWEENDECK "E"		TWEENDECK "F"		TWEENDECK "G"		TWEENDECK "H"	
				10		8	8		8	8		8	8		6	8	46		
				08		8	8		8	8		8	8		6	8	46		
				20'		16										16			
				40'			16		16	16		16	16		12		92		
				06		8	6		8	8		8	8		4	8	42		
				04		8									8				
				02		/	/		/	/		/	/		4	/	4		
				20'		8			8	8		8	8		/	8	38		
				40'			6		8	8		8	8		8		38		
<b>TOTAL 4</b>		20'		32										32					
		40'			28		32	32		32	32		20		176				
<b>GRAND TOTAL 1+4</b>		20'		76		32			24			24		156					
		40'	24		72		76	76		65	65		47		425				





<b>DISTRIBUTION OF 20 FT CONTAINERS</b>																						
		ON 1 <sup>ST</sup> POOP DECK		SPACE No. 4			DECK HOUSE FR 72	SPACE No. 3				DECK HOUSE FR 116	SPACE No. 2				DECK HOUSE FR 160	SPACE No. 1		TOTAL		
		BAY No.	TIER No.	35	33	31	29	27	25	23	21	19	17	15	13	11	09	07	05		03	01
<b>ON UPPER DECK</b>		98		8	8	11	11	11	8	11	11	11	11	/	/	/	/	/	/	/	101	
		96		8	8	11	11	11	8	11	11	11	11	8	11	11	11	11	8	9	9	179
		94		8	8	11	11	11	8	11	11	11	11	8	11	11	11	11	8	9	9	179
		92	/	/	11	11	11	11	8	11	11	11	11	8	11	11	11	11	8	9	9	163
<b>TOTAL 1</b>		24	24	44	44	44	32	44	44	44	44	44	24	33	33	33	33	24	27	27	622	
<b>2<sup>ND</sup> 3<sup>RD</sup> DECK HATCH COVERS - CLOSED DECK HATCH COVERS - OPENED</b>	<b>CARGO SPACE</b>	<b>HOLD AND TWEENDECK "A"</b>	10		8	8	8		8	8	8	8		8	8	8	8		6	6	100	
			08		8	8	8		8	8	8	8		8	8	8	8		6	6	100	
			TOTAL		16	16	16		16	16	16	16		16	16	16	16		12	12	200	
			06		6	6	8		8	8	8	8		8	8	8	8		6	4	94	
			04		6	6	8		8	8	8	8		8	8	8	8		6	4	94	
			02		6	6	8		8	8	8	8		8	8	8	8		/	/	84	
			TOTAL		18	18	24		24	24	24	24		24	24	24	24		12	8	272	
			TOTAL 2		34	34	40		40	40	40	40		40	40	40	40		24	20	472	
<b>GRAND TOTAL 1+2</b>		24	24	78	78	84	32	84	84	84	84	24	73	73	73	73	24	51	47	1094		
<b>2<sup>ND</sup> 3<sup>RD</sup> DECK HATCH COVERS - CLOSED DECK HATCH COVERS - OPENED</b>	<b>CARGO SPACE</b>	10		8	8	8		8	8	8	8		8	8	8	8		6	4	98		
		08		8	8	8		8	8	8	8		8	8	8	8		6	4	98		
		06		6	6	8		8	8	8	8		8	8	8	8		6	4	94		
		04		6	6	8		8	8	8	8		8	8	8	8		6	4	94		
		02		6	6	8		8	8	8	8		8	8	8	8		/	/	84		
		TOTAL 3		34	34	40		40	40	40	40		40	40	40	40		24	16	468		
<b>GRAND TOTAL 1+3</b>		24	24	78	78	84	32	84	84	84	84	24	73	73	73	73	24	51	43	1090		
<b>2<sup>ND</sup> 3<sup>RD</sup> DECK HATCH COVERS - CLOSED DECK HATCH COVERS - OPENED</b>	<b>CARGO SPACE</b>	<b>TWEEN- DECK "B"</b>	10		8	8	8		8	8	8	8		8	8	8	8		6	6	100	
			08		8	8	8		8	8	8	8		8	8	8	8		6	6	100	
			TOTAL		16	16	16		16	16	16	16		16	16	16	16		12	12	200	
			06		6	6	8		8	8	8	8		8	8	8	8		6	4	94	
		<b>HOLD</b>	TOTAL		6	6	8		8	8	8	8		8	8	8	8		/	/	84	
			04		/	/	/		/	/	/	/		/	/	/	/		6	4	10	
			02		6	6	8		8	8	8	8		8	8	8	8		/	/	84	
			TOTAL 4		6	6	8		8	8	8	8		8	8	8	8		12	8	104	
<b>TOTAL 4</b>			28	28	32		32	32	32	32		32	32	32	32		24	20	388			
<b>GRAND TOTAL 1+4</b>		24	24	72	72	76	32	76	76	76	76	24	65	65	65	65	24	51	47	1010		

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