



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

TONNAGE		GROSS	NET
	International	18207	9209
	Suez Canal	19134	16112
	Panama Canal	-	15783

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	FUEL CON-SUMPTION
Type	kW ~ BHP		at rpm		Fuel		knots	t/day
SULZER 5RTA 62	9 500 ~12 925		109		HFO 380		13,2	20,4
							13,5	21,8
							13,8	23,3
							14,1	24,8
AUXILIARY ENGINES (Diesel Generator sets)							14,4	26,4
Type	kW	rpm	kVA	AC V	Hz	Fuel		
3 x ADRIA DIESEL 6S20	870	900				HFO 380	14,7	28,0
Generators SIEMENS S7178			880	450	60		15,0	29,7
1 x emergency: SCANIA DS9 69M 153						M.D.O.	15,3	31,5
Generator STAMFORD MHC 2746			175	450	60		15,6	33,3
							15,9	35,3
							16,0	36,3
BOILERS							Aux.Eng.	+3,6
Type	kg/h		mPa		Fuel		PORT	
Oil-fired AALBORG-SUNROD	2 000		8		HFO 380		Aux.Eng.	2,0
Exhaust-gas AALBORG-SUNROD	1 500		8				Boiler	1,5

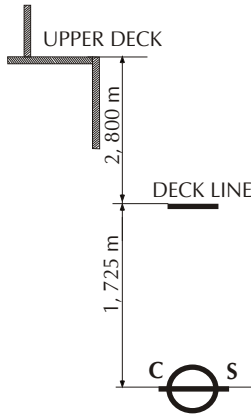
VENTILATION of cargo compartments

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

FRESH WATER EVAPORATOR

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

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



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 ³		SPEC. GRAVITY 1,000 - 1,025 t/m ³		SPEC. GRAVITY 1,000 - 1,025 t/m ³		SPEC. GRAVITY 1,000 - 1,025 t/m ³					
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				28000			
				36000				26000				27000			
				43000	35000			37000			26000			26000	
				42000	34000			36000			25000			25000	
				41000	33000			35000			24000			24000	
	9	39	38	40000	32000				34000				24000		
					31000				33000				23000		
					39000	31000			32000			22000			23000
					38000	30000			31000			21000			22000
					37000	29000			30000			20000			21000
3	8	37	36000	28000				19000				20000			
				27000				18000				19000			
				35000	27000			29000			18000			18000	
				34000	26000			28000			17000			17000	
				33000	25000			27000			16000			16000	
	7	36	36	32000	23000				17000				17000		
					22000				16000				16000		
					31000	24000			26000			15000			15000
					30000	23000			25000			14000			14000
					29000	22000			24000			13000			13000
5	6	35	31000	20000				12000				13000			
				19000				11000				12000			
				30000	21000			20000			10000			11000	
				29000	20000			19000			9000			10000	
				28000	19000			18000			8000			9000	
	4	5	34	29000	16000				7000				8000		
					15000				6000				7000		
					28000	17000			16000			5000			6000
					27000	16000			15000			4000			5000
					26000	15000			14000			3000			4000
3	3	33	28000	12000				2000				3000			
				11000				1000				2000			
				10000	13000			12000			0			1000	
3	3	33	27000	9000				0				0			
				8000				0				0			

DEADWEIGHT DRAFT
(T) (m)

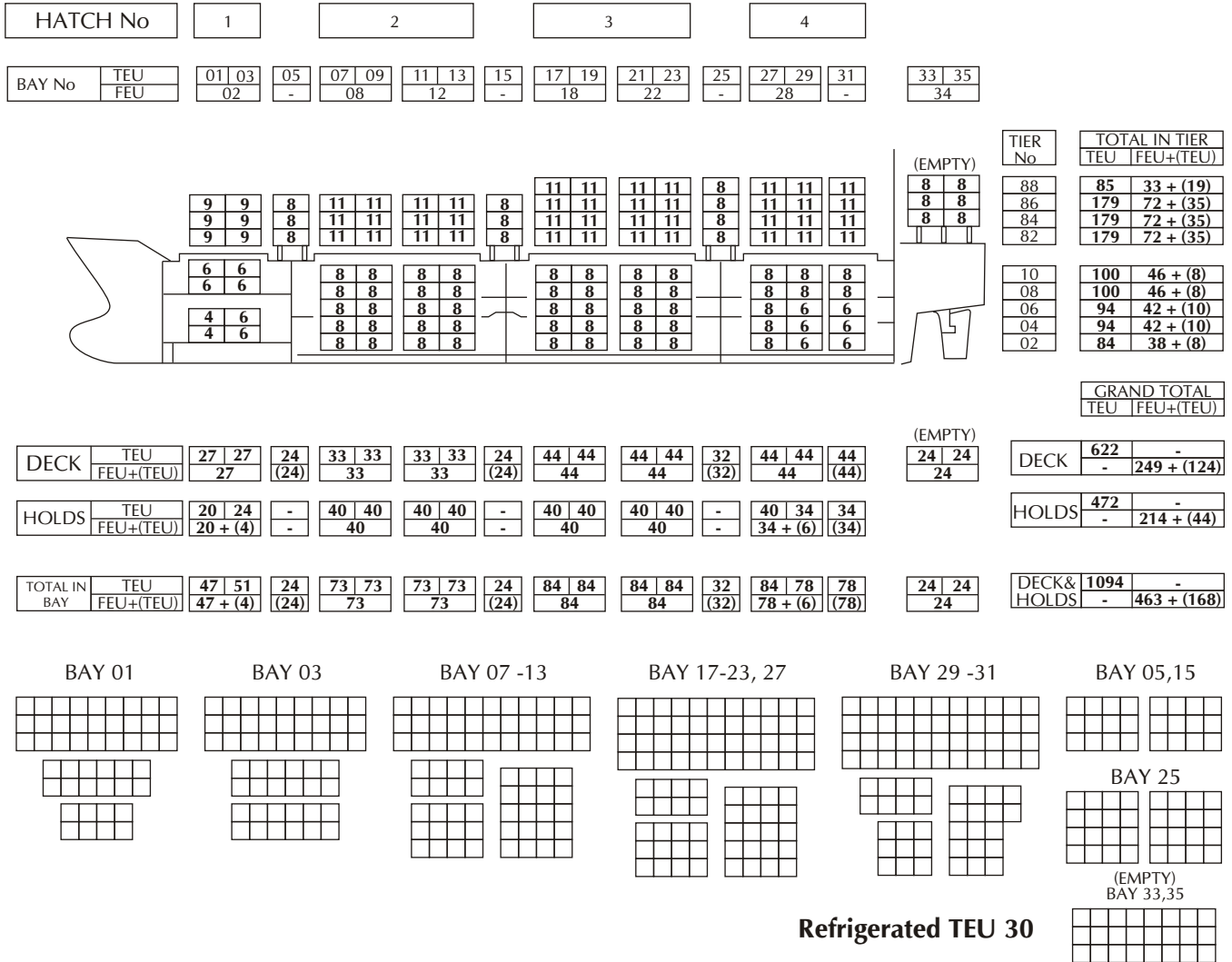
SUMMER S.W. **21 963** **9,32**

Constant stores: **460**

Light ship **9 654**

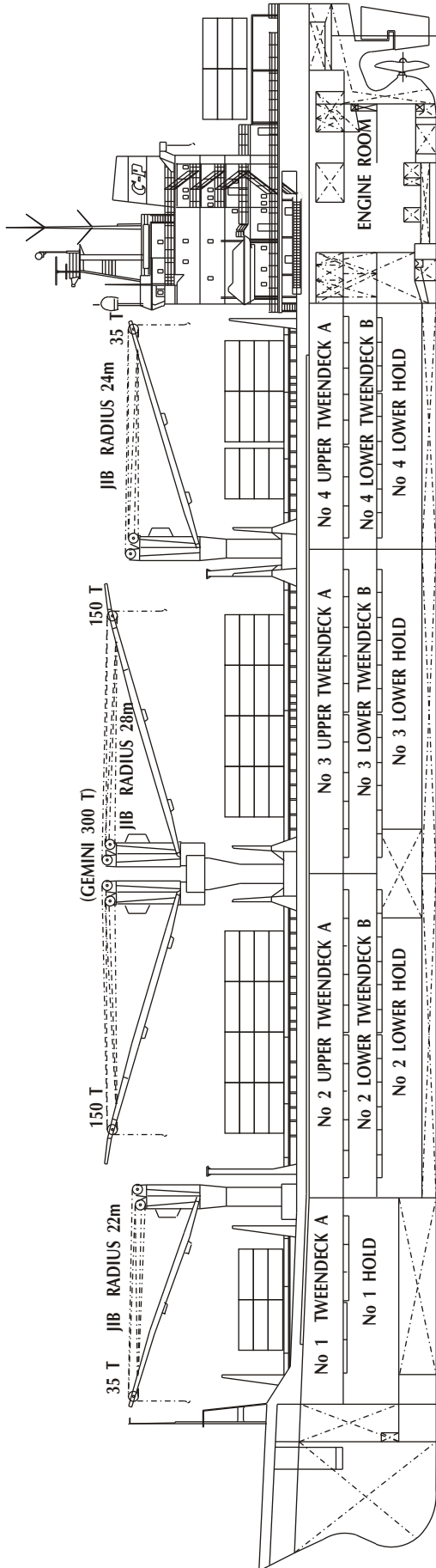


CONTAINER CAPACITY



MAX. PERMISSIBLE LOADING

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



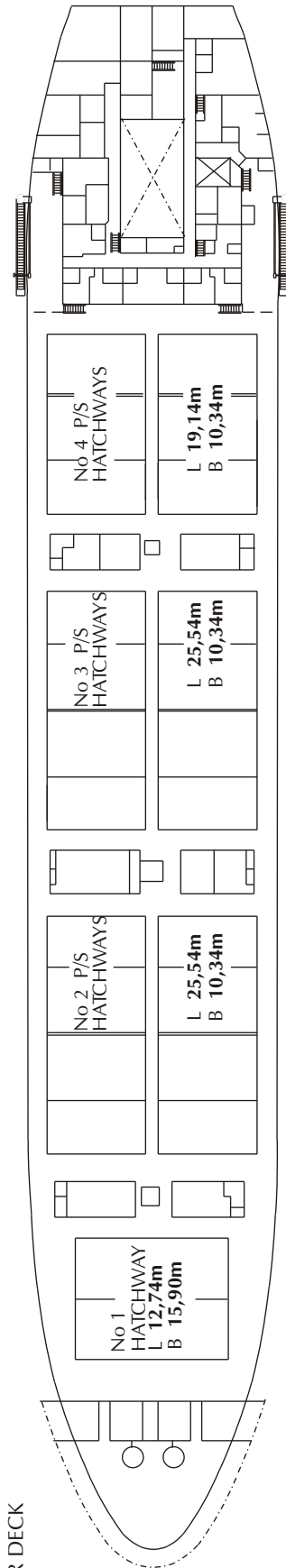
PRINCIPAL DIMENSIONS

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

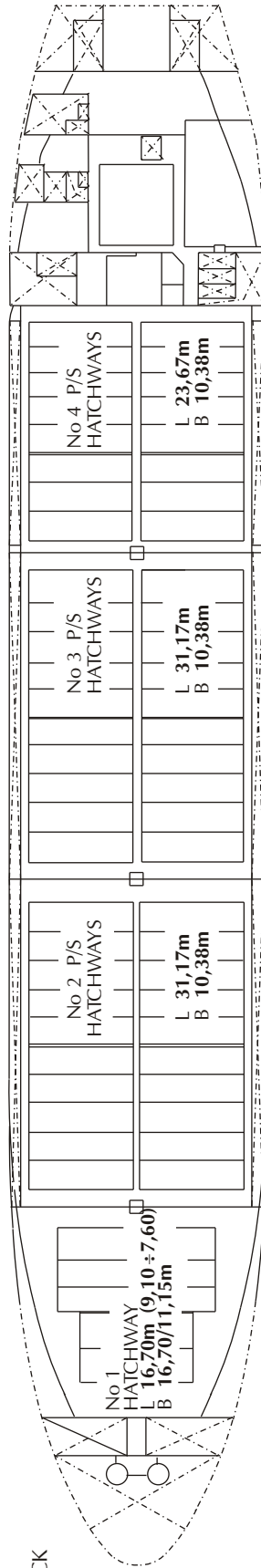
HATCH No	1	2	3	4
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DIMENSIONS (m)	L	B	H	L	B	H	L	B	H	L	B	H
Upper Tweendeck	26,4	11,2 - 25,4	3,60	35,2	24,8	3,6	35,2	24,8	3,6	26,4	24,8	3,6
Lower Tweendeck	-	-	-	35,2	27,2	3,1	35,2	27,2	3,1	26,4	23,8	3,1
Lower Hold	26,4	11,4 - 23,0	5,40	30,4	2x12,0	4,2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

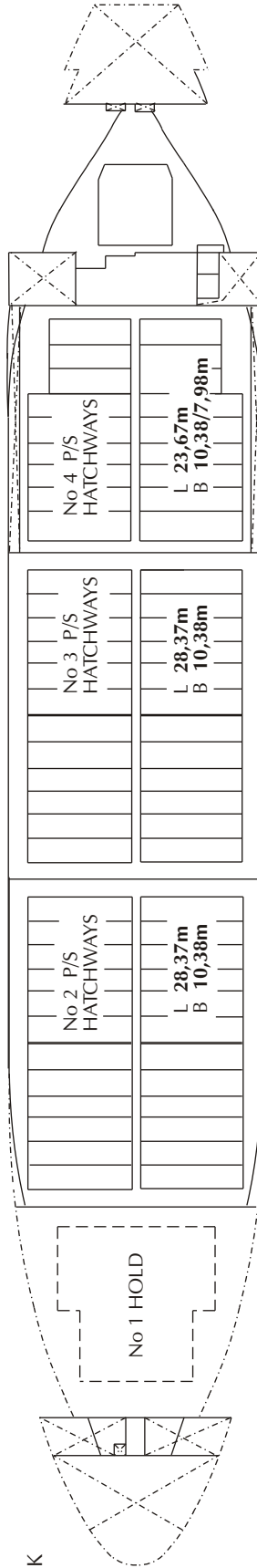
GRAIN CAPACITY	m ³			cub.ft			m ³			cub.ft			TOTAL			
	L	B	H	L	B	H	L	B	H	L	B	H	m ³	cub.ft	m ³	cub.ft
Upper Tweendeck	2 703,8	95 487	3,60	4 270,7	150 824	3,6	4 279,4	151 131	3,6	3 212,8	113 463	3,6	14 466,7	510 905		
Lower Tweendeck	-	-	-	3 566,6	125 958	3,1	3 610,8	127 519	3,1	2 480,2	87 591	3,1	9 657,6	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		
Total	5 578,3	197 003	171 735	11 453,2	404 481	404 481	11 384,4	402 051	402 051	8 923,5	315 142	315 142	37 339,4	1 318 677		
BALE CAPACITY	m ³			cub.ft			m ³			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		
Total	4 862,8	171 735	171 735	10 329,8	364 807	364 807	10 400,9	367 318	367 318	8 012,6	282 973	282 973	33 606,1	1 186 833		



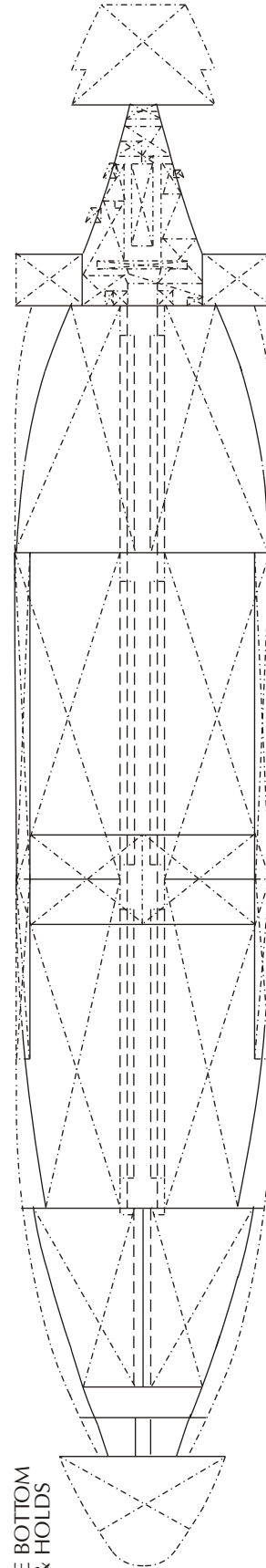
UPPER DECK



2nd DECK



3rd DECK

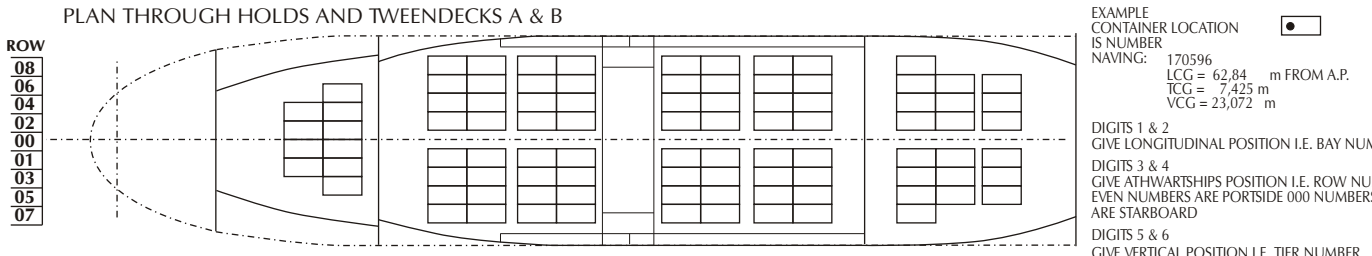
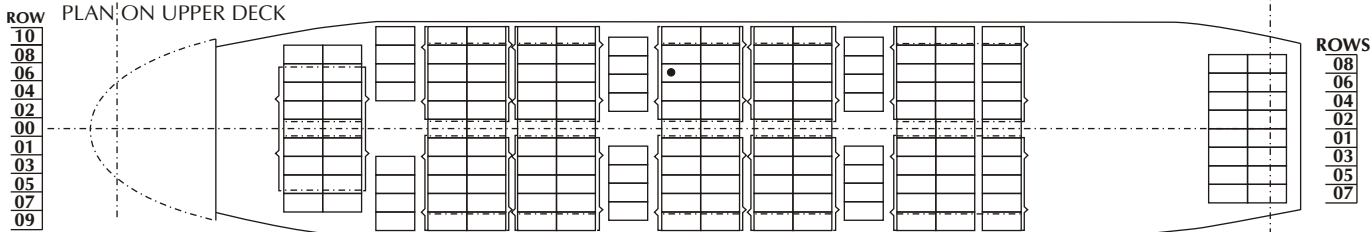
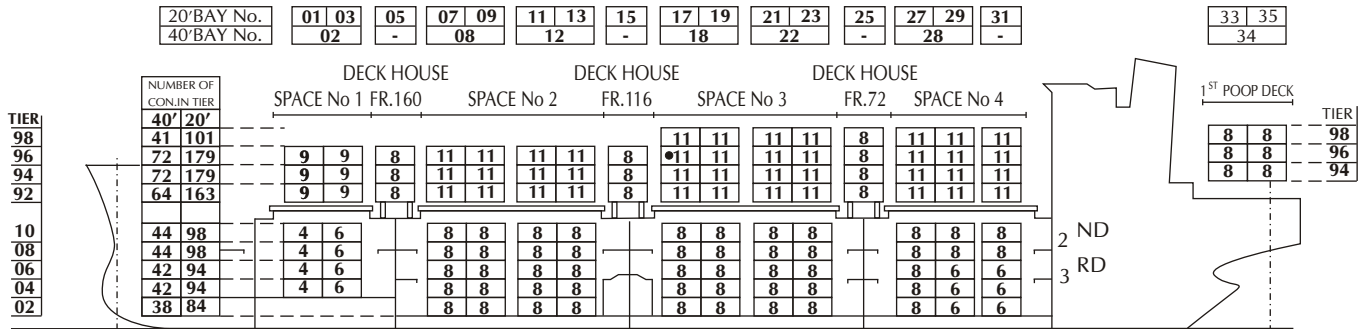


DOUBLE BOTTOM
TANKS & HOLDS



CONTAINER STOWAGE PLAN

2ND AND 3RD DECK HATCH COVERS OPENED

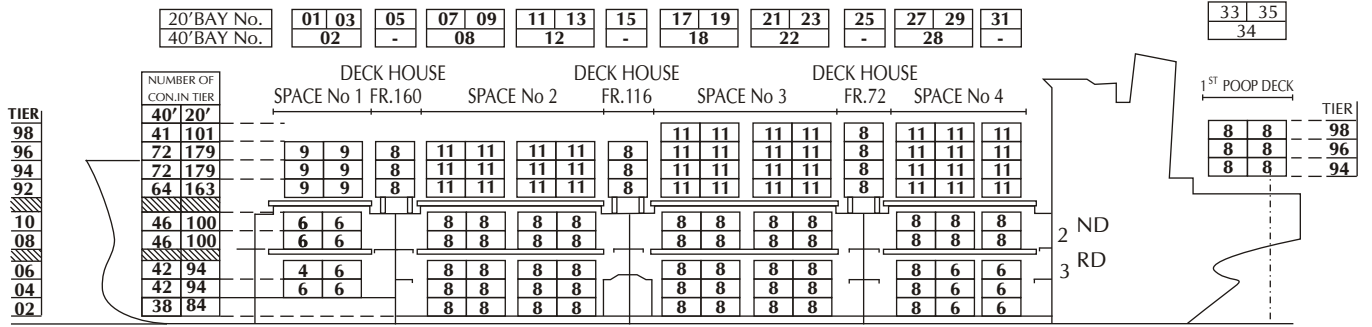


EXAMPLE CONTAINER LOCATION IS NUMBER:
NAVING: 170596
LCG = 62,84 m FROM A.P.
TCG = 7,425 m
VCG = 23,072 m

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

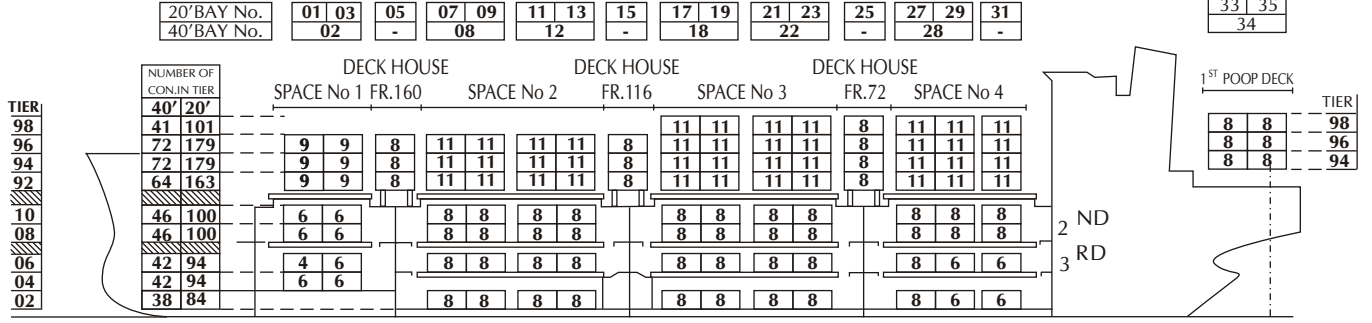
NUMBER OF CONT IN BAYS	43	51	24	73	73	73	73	24	84	84	84	84	32	84	78	78	20 FT (TEU)	24	24
NUMBER OF CONT IN BAYS	43	-	-	73	73	73	73	-	84	84	84	84	-	78	78	-	40 FT (FEU)	24	24

2ND DECK HATCH COVERS CLOSED
3RD 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

2ND DECK HATCH COVERS CLOSED
3RD 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

2ND DECK HATCH COVERS CLOSED
3RD DECK HATCH COVERS OPENED



DISTRIBUTION OF 40 FT AND 20 FT CONTAINERS																			
		ON 1 ST 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'								
ON UPPER DECK		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				
TOTAL 1		20'		44		32			24			24		124					
		40'	24	44		44	44		33	33		27		249					
2ND DECK HATCH COVERS - CLOSED 3RD DECK HATCH COVERS - OPENED		CARGO SPACE		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			
TOTAL 2		20'		34									34						
		40'		34		40	40		40	40		20		214					
GRAND TOTAL 1+2		20'		78		32			24			24		158					
		40'	24	78		84	84		73	73		47		463					
2ND DECK HATCH COVERS - CLOSED 3RD DECK HATCH COVERS - OPENED		CARGO SPACE		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			
		TOTAL 3		20'		78		32			24			24		158			
				40'	24	78		84	84		73	73		43		459			
2ND DECK HATCH COVERS - CLOSED 3RD DECK HATCH COVERS - OPENED		CARGO SPACE		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				
				40'		6		8	8		8	8		8		38			
		04		/	/		/	/		/	/		4	/	4				
		02		8	6		8	8		8	8		8		38				
		20'		8			/	8					8						
		40'		6		8	8		8	8		8		46					
TOTAL 4		20'		32									32						
		40'		28		32	32		32	32		20		176					
GRAND TOTAL 1+4		20'		76		32			24			24		156					
		40'	24	72		76	76		65	65		47		425					



DISTRIBUTION OF 20 FT CONTAINERS																						
		ON 1 ST 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
ON UPPER DECK		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
TOTAL 1		24	24	44	44	44	32	44	44	44	44	44	24	33	33	33	33	24	27	27	622	
2ND 3RD DECK HATCH COVERS - CLOSED DECK HATCH COVERS - OPENED	CARGO SPACE	HOLD AND TWEENDECK "A"	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	
GRAND TOTAL 1+2		24	24	78	78	84	32	84	84	84	84	24	73	73	73	73	24	51	47	1094		
2ND 3RD DECK HATCH COVERS - CLOSED DECK HATCH COVERS - OPENED	CARGO SPACE	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		
GRAND TOTAL 1+3		24	24	78	78	84	32	84	84	84	84	24	73	73	73	73	24	51	43	1090		
2ND 3RD DECK HATCH COVERS - CLOSED DECK HATCH COVERS - OPENED	CARGO SPACE	TWEEN- DECK "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	
		HOLD	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	
TOTAL 4			28	28	32		32	32	32	32		32	32	32	32		24	20	388			
GRAND TOTAL 1+4		24	24	72	72	76	32	76	76	76	76	24	65	65	65	65	24	51	47	1010		

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NOTES



Gdynia, November 2012.

Edition: 200 copies

Published by: CHIPOLBROK Chinese - Polish Joint Stock Shipping Co. Branch Office, Gdynia

Printed by: KRET

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