

M/V Kelly Ann Candies

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GENERAL

IMO No……..9562427
Owner/Manager……..Otto Candies, LLC
Classification and Flag ……..U.S. Flag – Jones Act Compliant
Vessel purpose……DSV
Year built ……..2012
Design……..Candies Shipbuilders
Place built……...Houma, Louisiana USA
Builder……..Candies Shipbuilders
Class society ……..DNV
Class notation ……..USCG, ✠100A1, LMC,1NA1, LMC, DP2, ES (Clisan Dosing), UWILD, General Cargo, MARPOL, SOLAS, IMO
Port of Registry……New Orleans, LA
Home Port in GOM……Port Fourchon, LA

MAIN DIMENSIONS

Length O.A……...84.70m / 277.8 ft
Length waterline……81.415m / 267 ft
Breath molded……..18m / 59 ft
Depth molded……..7.4m / 24.3 ft
Design draught……5m / 16.4 ft

TONNAGE

Gross tonnage……5,289 GT ITC
Net tonnage……1,586 NT ITC
Deadweight……2,756.31 DWT

PERFORMANCE

Service speed……..10 knots

HELIDECK

Helio-deck is designed according to CAA regulation and is suitable for a Sikorsky S76 and smaller helicopter.

MAIN ENGINES AND PROPULSION (A/C ELECTRIC PROPULSION)

Main Engines……..4 x 3512 Cat = 1700kW/ each
Tunnel Thrusters……..TT4 / 2.0m diameter CPP (Schottel)
Stern Thrusters……..SRP 1515 / 2.8m Diameter Variable speed 4 blade (Schottel)
Electric Propulsion……Siemens Marine Multi Drive Solution

CAPABILITIES

Cargo Deck……..(140.5m^2) 1,512 ft^2
Deck strength……..5 ton / m^2

TANK CAPACITY

Fuel oil……800m^3 / 209,600 gal
Ballast water……..2381m^3 / 623,822 gal
FW generation……19.5m^3 day / 5,200 gal. day

DECK EQUIPMENT

Crane……Triyards.
Crane description……..60ton Knuckle Boom Crane
Main crane offshore rating……60 ton @ 10m
Main crane maximum wire length….609m / 2,000ft

Electrical power to deck……Yes
Air power to deck……..Yes
A-frame……30 t A-Frame with Active Heave Compensated winch
Wire Length……..3,000 m

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NAVIGATION EQUIPMENT

Furuno GMDSS Model 1815
Furuno FAR2137S/12 S-Band Radar
Furuno FAR2117/6.5 X-Band Radar
Furuno FES700 Echo Sounder
Furuno DS-50 Doppler Speed Log
Danelec DM500 Voyage Data Recorder
Furuno FA150 AIS
DM60 Daylight Signal Light
AT150/330 Air Whistle
Thrane & Thrane Ship Security Alert System (SSAS)
Transas Navi-Sailor ECDIS
Sound Signal Surveillance System
Furuno GP90D DGPS
Reflecta 1 Binnacle Compass
CCTV
Central Aerial System, CA3050
BST4000 Sound Powered Phone System
CIS3000 Intercom/Talk Back System
DICS6100 Digital Integrated Communications System

MANEUVERING

Kongsberg K-Pos DP2
Dynamic Position System / Position Reference Systems
Independent Joystick Control:
Kongsberg CC 1 C-Joy
Position Measuring Equipment:
2 x DGPS (Trimble DSM 232)
2 x DGPS (Veripos CO25
1 x RADius (Kongsberg 1000)
1 x HiPAP

MANEUVERING continued

Heading References:
3 x C-Plath Navigat X Mk 1
Environmental Sensors:
2 x Wind sensors
2 x MRU

COMMUNICATION EQUIPMENT

Satellite communication system capable of voice and video conferencing available throughout the vessel.

SPECIAL FEATURES

DNV Diving Class Notation ... details on following page
Accommodation……..Compliment for 74 person
Client Spaces ……..Multiple 1 man state rooms / offices.
Control Room ……..Dive Control room on B-Deck
Cinema……....Private cinema located on main deck with stadium seating and big screen T.V. with surround sound.
Gymnasium……..Gymnasium below main deck equipped with weight machines and exercise equipment
Conference Room ……..Private conference room w/ internet & video conferencing.
-Business center with internet and voice communication.
-Semi-private ships office located in pilot house.
-Comfortable meeting area and heli-deck staging area
Hospital……...Fully equipped, 6 bed hospital located on B-Deck

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SAT SYSTEM particulars:

DNV Diving Class Notation

•Dive System Parameters

The saturation diving system is designed to operate within the following parameters:

Mission requirements:

- Time — 24 hrs diving per day
- Depth — 220msw
- Duration — 40 days

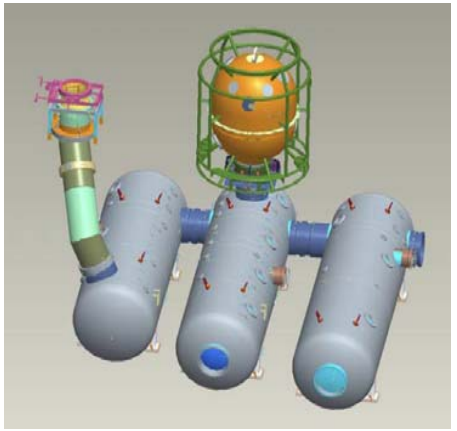
Maximum working depth:	300 msw
Maximum external working pressure (Bells):	100 msw
Breathing gas:	HeO_2, O_2 and air
Maximum manning level in chambers:	14 persons in 3 chambers
Maximum number of divers in bell 1:	3 persons
SPHL Capacity:	1 units 14 pax each
HP Gas Storage:	35 tubes @ 207bar x 2.4m²
Divers Gas Reclaim	1 Units
System Exhaust Gas Reclaim	1 Unit with gas bag
GasPure System (Filtration)	1 system
HeliPure System (Molecular sieve)	1 Unit
Dive Control	Main Deck
Saturation Chamber Control	Tween Deck
Bell Launch & Recovery Systems	3
Weather environment air temperature range:	-10°C to 45°C
DDC area and machinery room temp range:	15°C to 35°C
Sea water temperature:	-2°C to 39°
Relative humidity:	up to 100%

Dive Control Overview

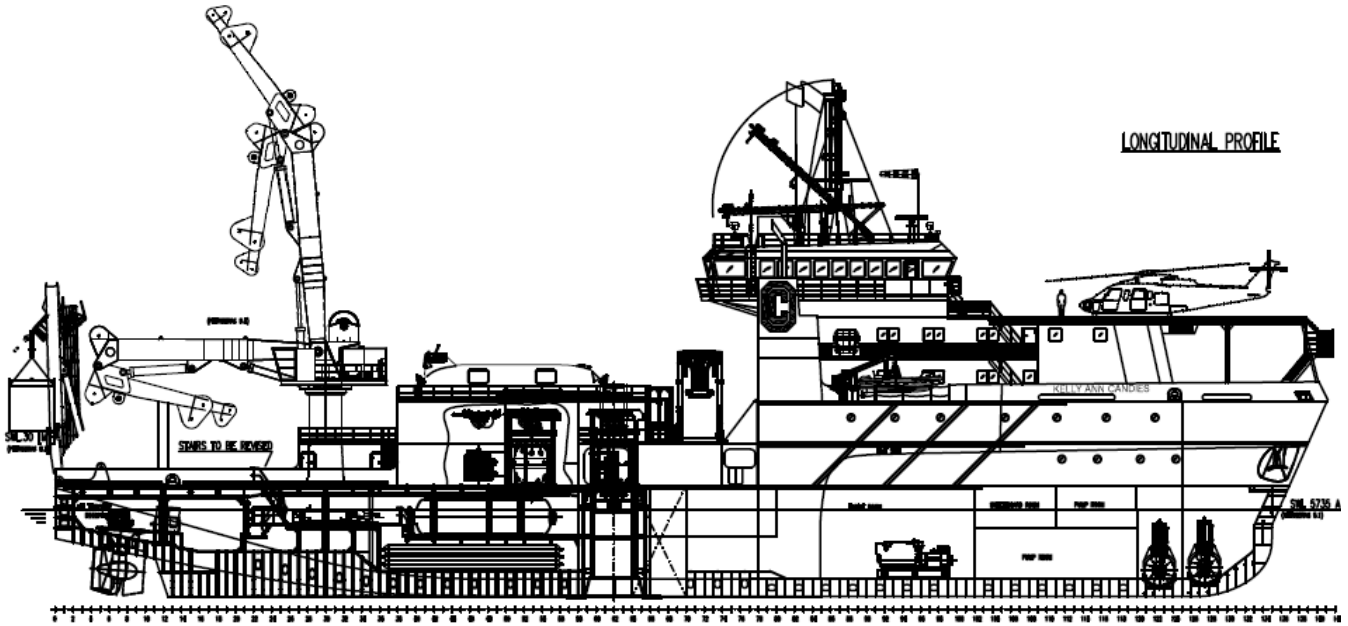
The air conditioned Dive Control room is situated mid-ships on A Deck.
The stand for the bell handling system will also be situated in this control room area.
Dive Control functions which control and monitor the bell and divers are to be conventional.
Divers gas supplies and bell gas supplies shall be independent of each other and there shall be adequate redundancy of supply sources to comply with all regulations and recommendations.
Adequate redundancy of helium unscrambler communications units between dive control and the bell / divers shall be included.
Duplex audio will be recorded.
Secondary communications to the bell will be by sound powered telephone
A through water communications system shall be provided

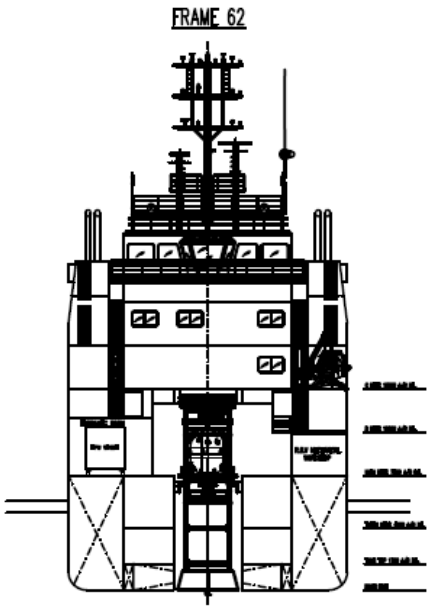
Design Operating Capacity

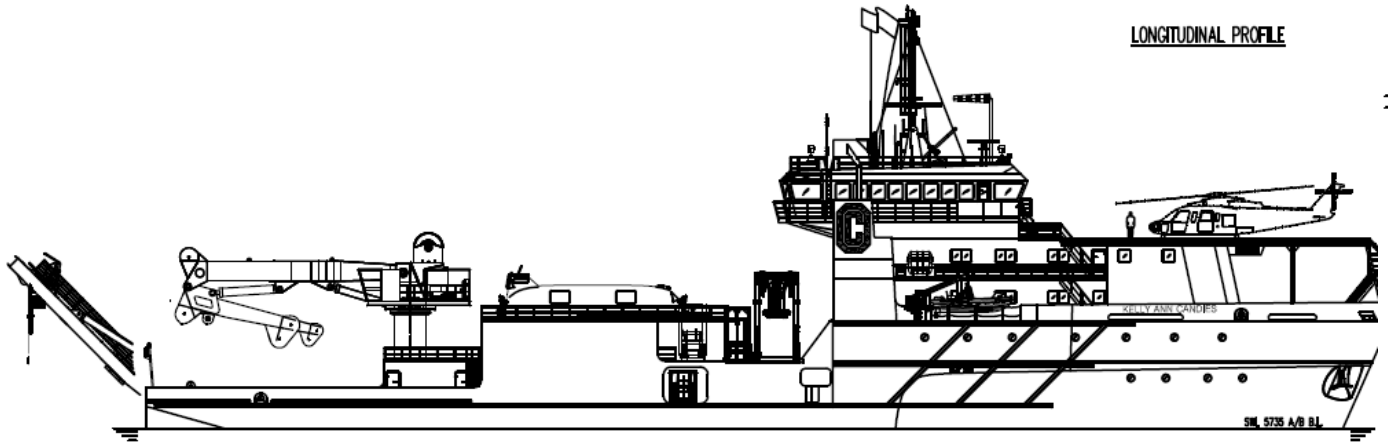
The saturation diving system shall have the capacity to operate with the bell at depth with all primary and secondary systems operational without compromising the integrity or secondary systems with all divers out working in a sea state up to 6.5m Hs



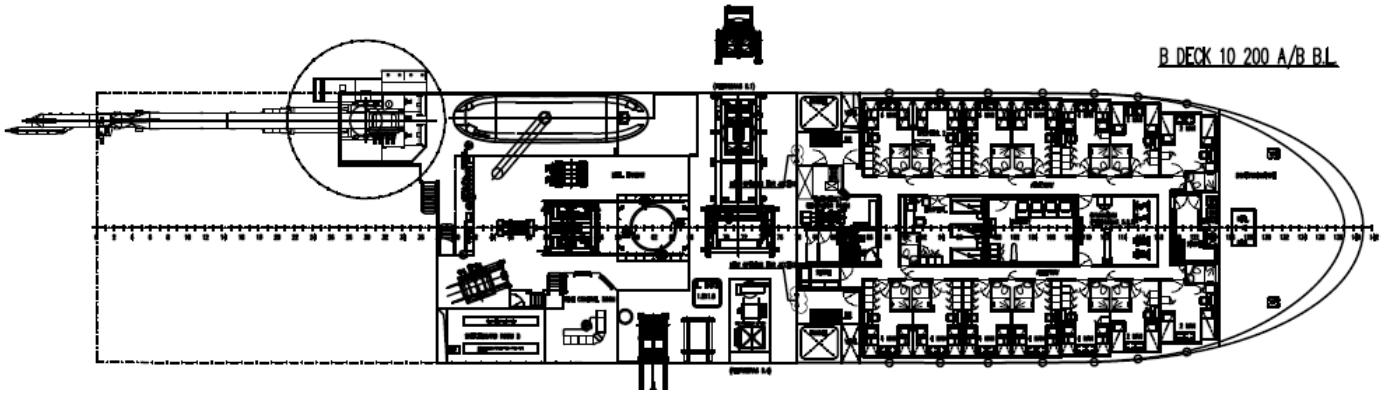
M/V Kelly Ann Candies

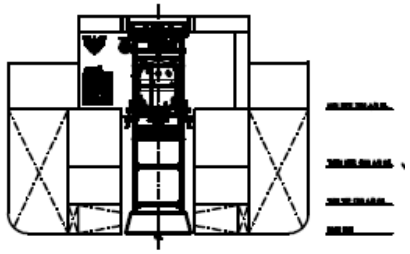


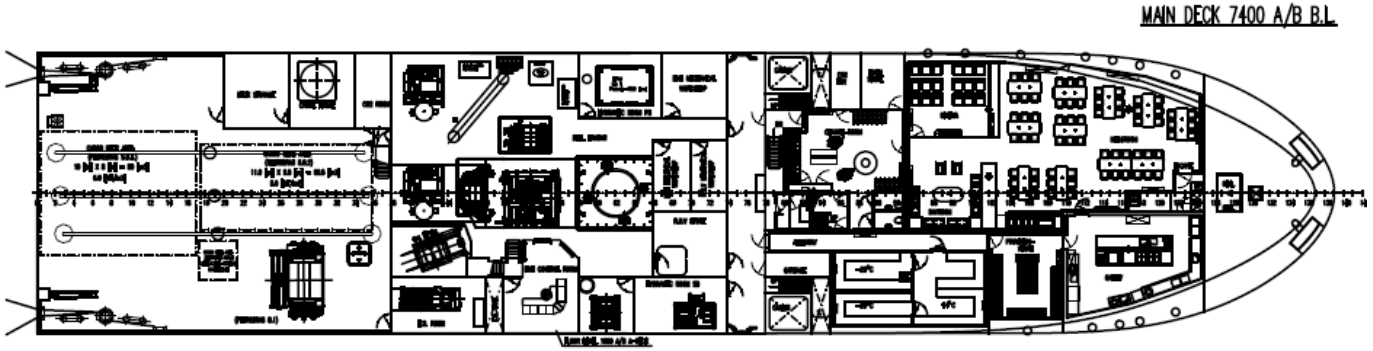


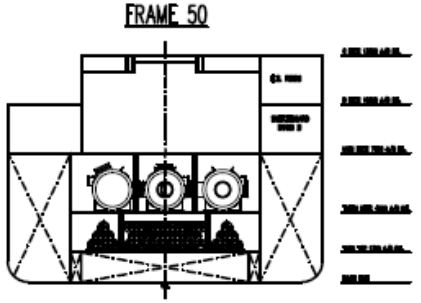


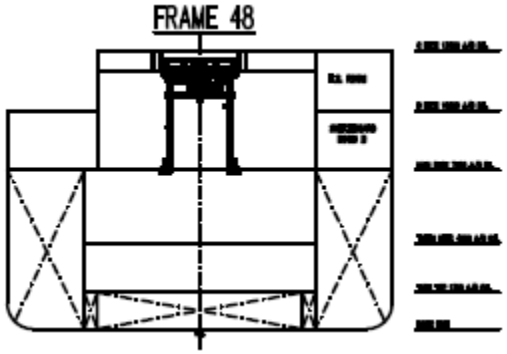
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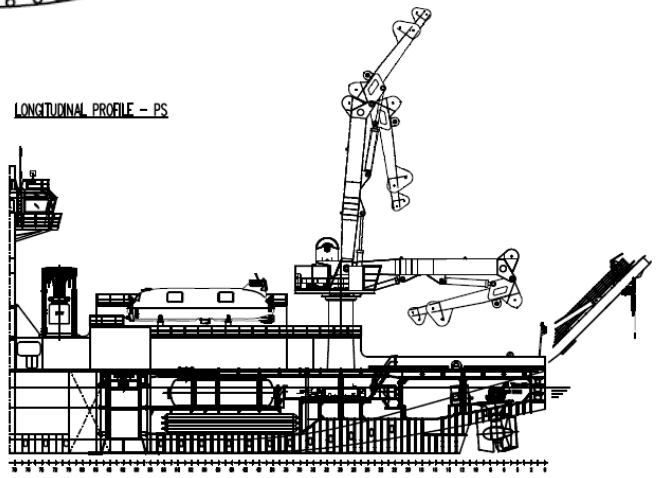




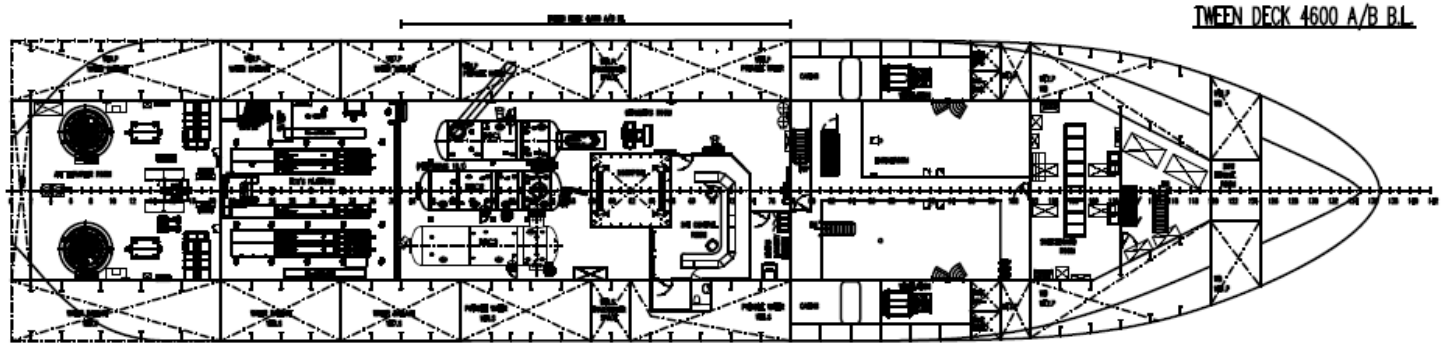


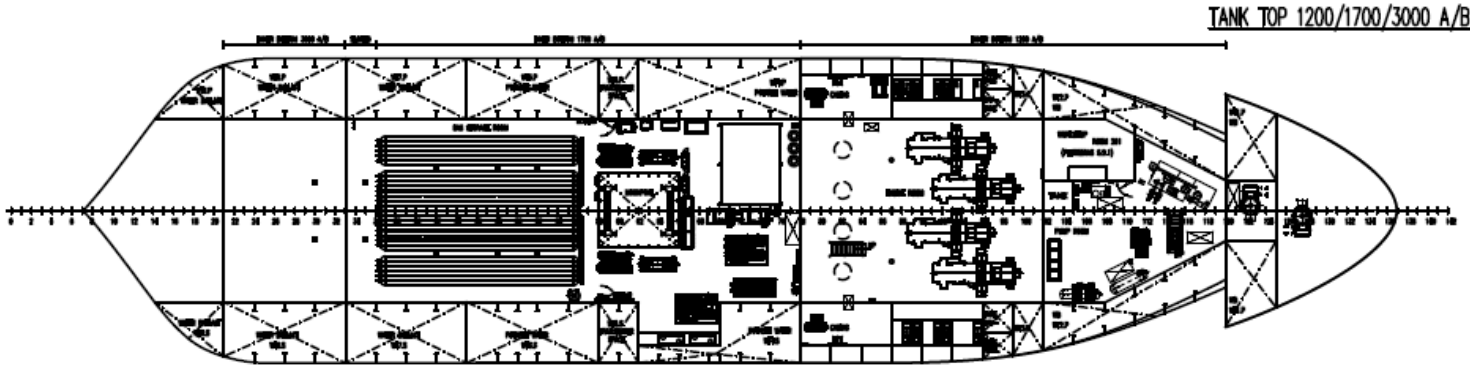


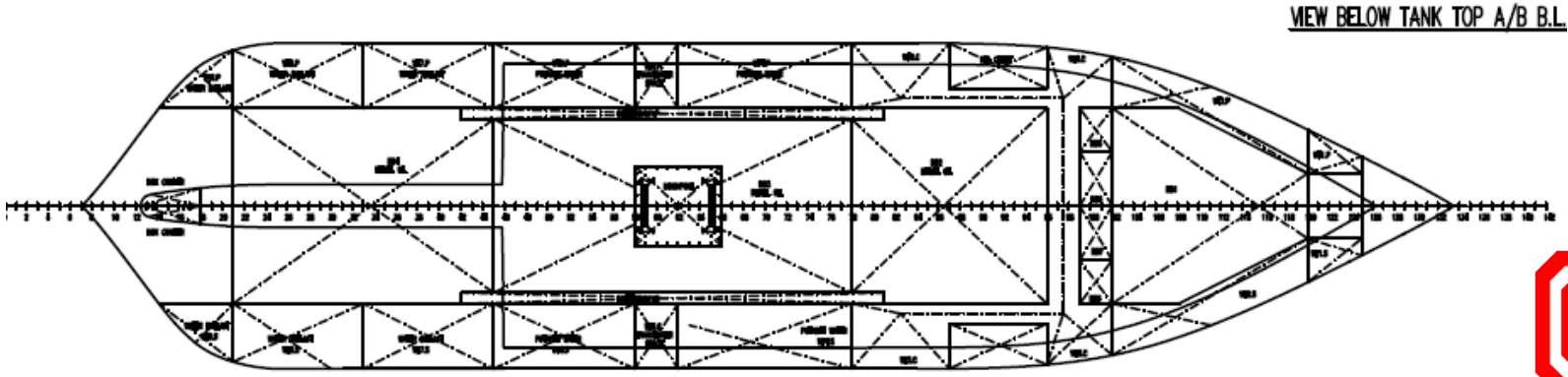




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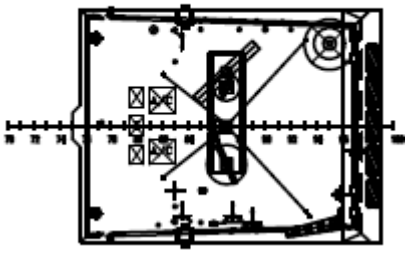




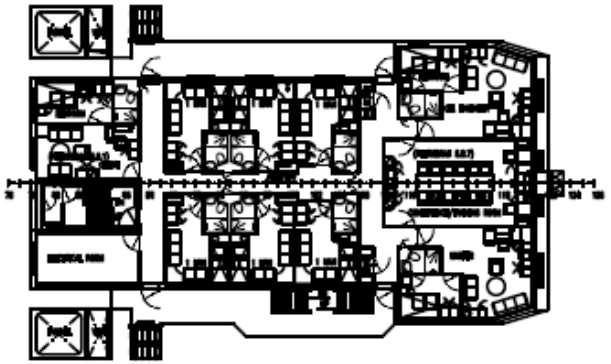


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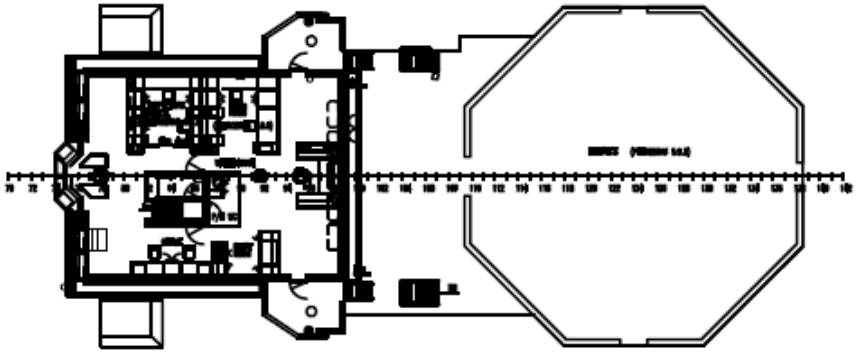
TOP DECK 22 900 A/B B.L.



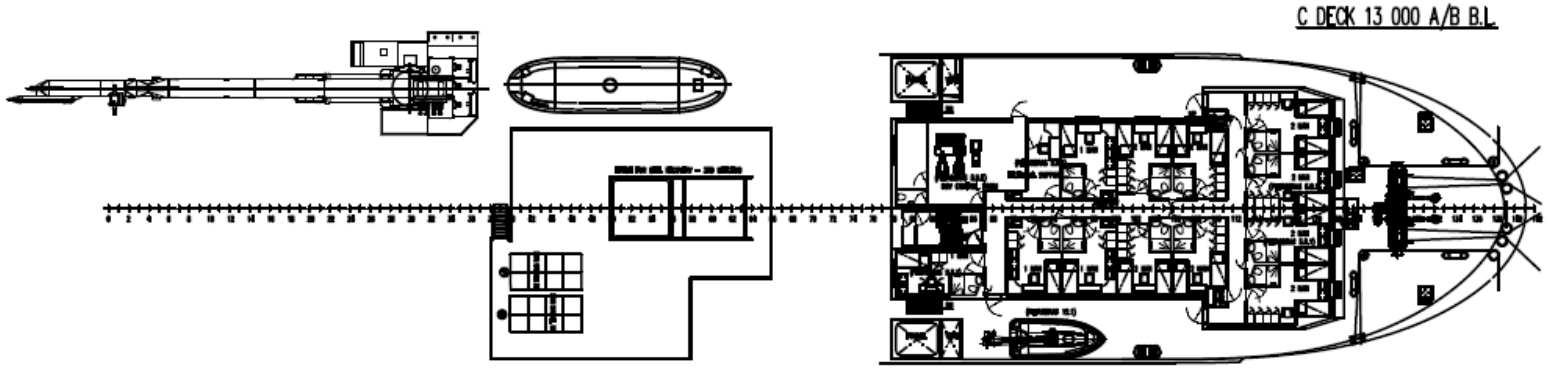
D DECK 15 800/20 000 A/B B.L.



E DECK 18 600/20 000 A/B B.L.



C DECK 13 000 A/B B.L.



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