



# **BERING 145**

## **PLEASURE YACHT**

### **Standard Equipment List**

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1. Main characteristics		
1.01	Length Overall (LOA)	145' (44.20 m)
1.02	Length Waterline (LWL)	138" (42.30 m)
1.03	Beam Overall	31" (9.70 m)
1.04	Height (Waterline to top of the mast)	51" (15.50 m)
1.05	Draft (with full fuel load)	8' 8" (2.70 m)
1.06	Displacement Full Load	514 metric tons
1.07	Fuel	25,265 gal. (97,400 L)
1.08	Fresh Water	3,615 gal. (13,700 L)
1.09	Grey Water	1,710 gal. (6,500 L)
1.10	Black Water	1,710 gal. (6,500 L)
1.11	Bilge Water	300 gal. (1,150 L)
1.12	Sludge	300 gal. (1,150 L)
1.13	Lube Oil	388 gal. (1,470 L)
1.14	Used Oil	388 gal. (1,470 L)
1.15	Active Stabilization	Four fins <b>ABT TRAC</b> stabilization system. With "At Anchor" stabilization mode
1.16	Watertight Bulkheads	5
1.17	Cruise Speed	12 knots
1.18	Maximum Speed	15 knots
1.19	Range	4,000+ nautical miles
1.20	Certification	BV, Yacht, Private Class, Unrestricted Navigation
1.21	Charter Class	<b>TBD (OPTION).</b>

2. Hull		
2.01	Hull constructed using marine grade steel A-36 (or AH-36). Bottom plates and integrated tanks sides - 10mm. Hull sides - 6-10 mm. Superstructure - 6-10 mm made of marine grade aluminum 5083.	
2.02	The hull is divided by five watertight bulkheads creating six compartments.	
2.03	The furniture on the flybridge, on upper deck, on bow deck and on cockpit are made of fiberglass.	
2.04	The hull below waterline is covered with three layers of black antifouling paint.	
2.05	Hull above the waterline, deck and superstructure covered with <b>Alexseal</b> fairing.	
2.06	Yacht quality top coat above the waterline with <b>Alexseal</b> paint finish.	
2.07	All bulkheads are reinforced steel construction, with sound and heat insulation per <b>Bering Yachts</b> drawings.	
2.08	All the interior steel surfaces of the vessel are treated with epoxy primer after thorough surface preparation.	
2.09	Impressed Current Cathodic protection System Cathelco (or equal) for galvanic hull protection.	
2.10	Ice belt. (TBD)	

3. Engines		
3.01	Two <b>Caterpillar C32 ACERT</b> – 1300 BHP @ 2100 rpm, raw water, heat exchanger cooled with wet exhaust. 24V electrical. Combined total power of 2,600 HP. Electronic engine controls located in the pilot house and wings (PORT and STBD)	
3.02	Main engines installed on Caterpillar soft engine mounts.	
3.03	(2) <b>ZF 5300</b> marine transmissions.	
3.04	(2) <b>Seatorque</b> shafts.	
3.05	(2) 5-blade propellers.	
3.06	Gianneschi (or equal) lube oil change system	
3.07	388 gal (1,470 L) tank for "clean" oil.	
3.08	388 gal (1,470 L) tank for "used" oil and oily waste.	

4. Steering system	
4.01	(2) 22 square foot (2,05 sq.m) air foil steel rudders with 4,72" (120 mm) diameter stainless steel rudder stock mounted on rudder shoe bearing. All elements are made of bronze or stainless steel.
4.02	<b>DATA</b> electro-hydraulic power steering system.
4.03	The emergency control of the steering system is provided by a hydraulic pump with a manual wheel from the tiller room in the stern of the yacht. The tiller room also has a visual sensor for the position of the rudder and a speakerphone system for two-way communication with the wheelhouse.
4.04	Zinc anodes on rudders to ensure galvanic corrosion protection.

5. Mooring system	
5.01	(2) 260Kg HHP type stainless steel anchors. 316 stainless steel pockets - port and starboard.
5.02	Chain locker with drains overboard. Storage for fenders located in chain locker
5.03	170m of 22 mm Stud-Link zinc coated anchor chain per side.
5.04	316 polished stainless steel bow protection plate.
5.05	(2) <b>DATA DZC 3300</b> series hydraulic winches with deck foot switches and remote controls. Digital chain counters with display in pilothouse. Dual chain stoppers with tensioners. Stainless steel, grooved bow rollers.
5.06	(4) heavy duty bollards installed on bow. (4) heavy duty bollards mounted on the aft deck. Two stainless steel hawse pipes with horn cleats mounted amidship port and starboard. All mooring components are polished stainless steel with chafe guards.
5.07	(2) <b>DATA DHC 2200</b> hydraulic capstans mounted in cockpit.

6. Electrical system	
6.01	<b>a. Main features</b>
6.02	Entire AC and DC electrical system designed and installed in compliance with <b>BV</b> electrical standards.
6.03	50 Hz 230V AC power standard. 400V 3-phase AC.
6.04	24V DC power standard.
6.05	24/12V DC electronics power.
6.06	Primary distribution 400V and 230V AC and 24V DC electrical panels, inverters, battery chargers, batteries and battery switches are installed in the engine room.
6.07	Secondary 230V AC, 24V DC and 12V DC panels are located in the pilot house.
6.08	All wires are labeled at each end and properly insulated
6.09	All electrical hardware is bonded to the hull.
6.10	Dedicated circuit breaker for each circuit.
6.11	<b>b. Power source</b>
6.12	<b>GENERATORS</b>
6.13	(2) marine <b>CAT C7.1 118 kW @ 1500rpm - 400VAC 50Hz</b> generators are closed by soundproof enclosures and installed in the engine room. Wet exhaust with silencers separators. Exhaust Gas Afterburning System for one generator CAT C7.1. Generators's capacity and model will be determined and agreed with the customer after load analysis study.
6.14	All generators have digital display controls in pilothouse.
6.15	All generators have automatic safety shutdowns with fault indicators.
6.16	Gianneschi (or equal) oil change system for generators.
6.17	<b>SHORE POWER</b>
6.18	Shore power cable cord manager system.
6.19	Circuit breaker for shore power protection.
6.20	<b>A/Sea AC54-3</b> Power frequency converter 54 KVA.
6.21	Marine isolation transformer.
6.22	<b>BATTERIES</b>
6.23	(32) <b>Victron</b> 220AH AGM batteries, deep cycle, 12 VDC. Total capacity is 7,040 Amp Hours. <b>Quantity and</b>
6.24	All starter batteries charged by (2) engine and (3) generator driven alternators.
6.25	<b>Victron</b> charger for charging electronics backup battery located in pilothouse.
6.26	<b>Victron</b> charger for charging starting and house bank battery from generator or shore power.

6.27	The battery level and temperature are monitored by the Poseidon (or equal) Victron system.
6.28	Batteries are covered with fiberglass caps.
6.29	
6.30	<b>c. Lighting system</b>
6.31	All interior lights are 24VDC LED.
6.32	Exterior lights (LED and Halogen) are waterproof to IP-67 standard.
6.33	24V DC LED lights in engine room.
6.34	(8) LED underwater lights mounted aft, all below the swim platform. Quantity and model will be agreed with the customer
6.35	
6.36	<b>d. Controls and alarms</b>
6.37	(2) <b>Caterpillar</b> generators digital LCD displays mounted in the pilothouse dash, each with start/stop button.
6.38	Electronic control of the main engines, steering system, bow and stern thrusters is located in the wheelhouse and at two wing stations at both sides.
6.39	The steering wheel of the <b>DATA</b> electro-hydraulic steering system is in the wheelhouse.
6.40	<b>Poseidon (or equal)</b> vessel monitoring system with level sensors for all tanks, high water level sensors in bilges, voltage and current controllers on AC / DC lines, temperature, etc.
6.41	<b>Racor</b> fuel filters have pressure gauges and water alarms.
6.42	Control panels for anchor windlass with chain counters are installed in the wheelhouse.
6.43	Poseidon (or equal) display bilge pump system with "ON" indicators and high water sensors audible alarms.
6.44	Windshield wiper controls in pilothouse.
6.45	<b>Luminel</b> search light switches with remote controls in the pilothouse.
6.46	<b>Kahlenberg</b> triple trumpet marine horn switch in the pilothouse.
6.47	Poseidon (or equal) fuel tank level sensors and (2) visual fuel gauges on each day tank.
6.48	Poseidon (or equal) level gauge for fresh water tanks and visual water gauge on fresh water tanks.
6.49	Poseidon (or equal) central smoke alarm system.
6.50	Class Approved Engine room fire alarm and firefighting system.

<b>7. Fire alarm and safety system</b>	
7.01	Class approved monitor safety fire alarm system.
7.02	Class approved smoke detector sensor in each room.
7.03	Class approved carbon monoxide (CO) sensor in each room on lower deck.
7.04	Centralized water supply system for hydrants at the stern, in the bow and on the boat deck. Fire hoses in regular places of storage.
7.05	Class approved automatic deployment fire extinguishers in the engine room.
7.06	Remote control pull handle for manual deployment of firefighting system in engine room from cockpit.
7.07	Firefighting system includes automatic shut off for engines, generators and air intake fans.

<b>8. Bilge pump system</b>	
8.01	Central bilge water pumping system with 1,150 liter tank in the engine room.
8.02	Each hold has a low and high water level sensor for signaling and controlling the bilge pump.
8.03	The system has two self-priming electric pumps. Both pumps can be switched to the "fire pump" mode and be connected to the water supply line to the fire extinguishing system.
8.04	The system for pumping bilge water from the tank has a control panel for automatic or manual control. Bilge water from the tank to the shore is also provided.
8.05	Monitoring the operation of bilge pumps, the water level in the bilges based on the <b>Poseidon (or equal)</b> system.

<b>9. Fuel system</b>	
9.01	(5) Main fuel tanks. Total capacity 19,548 gallons/74,000 liters.
9.02	(2) "Day Tank" fuel tanks. Total capacity 6,181 gallons/23,400 liters .
9.03	Ventilation pipes of each tank.
9.04	<b>Poseidon (or equal)</b> fuel tank's level system by NMEA 2000 with display. Visual fuel gauges on two day tanks.
9.05	Stainless steel fuel intake manifold with steel piping.
9.06	Fuel feed manifold with valves and fuel lines to each engine and generator.

9.07	<b>Alfa-Laval</b> solids retaining centrifugal separator.
9.08	<b>Gianneschi (or equal)</b> fuel transfer pump.
9.09	Central fueling station with steel pipe connections and steel pipe lines to all main tanks.
9.10	Day tanks provide fuel feed for all engines and generators.
9.11	Main engines equipped with <b>Racor</b> 75/1000 dual filter/separators using 30 micron filter elements and including vacuum pressure gauges.
9.12	Generators equipped with <b>Racor</b> 1000 fuel filter/separators using 30 micron filter elements and including vacuum pressure gauges.

<b>10. Fresh water system</b>	
10.01	Two built-in fresh water tanks. Total capacity 3,610 gallons/13,700 liters. Steel construction with baffles and inspection plate, coated with FDA approved enamel.
10.02	Separate ventilation for each fresh water tank.
10.03	Water level monitoring based on the <b>Poseidon (or equal)</b> system. Visual level gauges in both tanks.
10.04	Duplicate pumping station with a system of mechanical filters on the intake of water from tanks.
10.05	Flow-type UV water sterilizer.
10.06	The PPR cold water pipe is thermally insulated and color-coded.
10.07	The PPR hot water pipe is thermally insulated and color-coded. Mounted in a looped circuit.
10.08	The main and backup circulation pumps are installed in the hot water pipeline
10.09	(2) Marine water heaters with the possibility of parallel and serial connection to the hot water system.
10.10	(2) Automatic <b>SELMAR</b> watermakers 7200 liters per day (or similar) are installed in the engine room. Management of their work can be organized through the <b>Poseidon (or equal)</b> system.
10.11	It is possible to install a water heater on the supply line for desalination to work at low temperatures of sea water.

<b>11. Black and gray water systems</b>	
11.01	1,760 gal. (6,700 L) integrated gray water tank with enamel coated interior to seal the steel tank and includes a level indicator.
11.02	1,760 gal. (6,700 L) integrated black water tank with enamel coated interior to seal the steel tank and includes a level indicator.
11.03	Discharge system of gray and black water tanks overboard / ashore based on two macerator pumps with pickups from each tank. Separate shore pump out system for pumping gray and black water with an independent pickups in each tank.
11.04	Tanks ventilation system with mast outlet vents.
11.05	Gray and black water treatment plant <b>SELMAR (or similar)</b> .
11.06	PVC piping (D40, 32, 25mm) for Black and Gray water plumbing lines.
11.07	<b>Poseidon (or equal)</b> water tank's level system.
11.08	Sanitary and sewage systems are based on <b>JETS vacuum</b> equipment.

<b>12. Sea water system</b>	
12.01	Engines and generators are sea water cooled with stainless steel sea cocks and strainers.
12.02	(2) Two built in seachests are integrated into the ship's hull and are located in the engine room. Maintenance / cleaning of seachests and filters installed in them is possible from the engine room.
12.03	Seachests are cross connected and allow to supply water to all equipment of the boat, even if one of them is clogged.

<b>13. Air conditioning, ventilation systems</b>	
13.01	Tropical package for air conditioning system.
13.02	<b>Webasto</b> central chilled water system with reverse cycle heating.
13.03	<b>Webasto</b> diesel chiller water heater for comfortable heating of accommodations at sea water temperature from +2 to +10 degrees Celsius.

13.04	<b>Webasto</b> fresh air make up unit
13.05	Webasto air conditioning units.
13.06	<b>Webasto</b> central ventilation systems for living quarters.
13.07	<b>Gianneschi (or equal)</b> ventilation systems for engine room.

<b>14. Stabilizer and thruster system</b>	
14.01	<b>ABT-TRAC</b> stabilization system with four hydraulic active fin stabilizers.
14.02	The <b>TRAC</b> Stabilizer system drives all four stabilizers through frequency-controlled electric motors.
14.03	The fins are installed oversized for the operation of the <b>STAR (Stabilization At Rest)</b> system - stabilization at anchor mode.
14.04	The entire system is controlled via the <b>TRAC Link</b> multi-touch display.
14.05	The <b>TRAC</b> hydraulic bow 120 Hp and stern 80 Hp thrusters are driven by PTOs installed on the main engines. Reduced power performance is available from hydraulic power pack. <i>The final determination of the power and models of thrusters will be carried out according to the results of wind load calculations by <b>ABT-TRAC</b>.</i>
14.06	The control of thrusters and signaling errors in their operation is carried out through the multi-touch display <b>TRAC Link</b> .

<b>15. Insulation</b>	
15.01	Engine room insulated with composite insulation per <b>Bering Yachts</b> drawings.
15.02	Aluminum perforated panels installed on the ceiling and walls in the engine room and lazarette.
15.03	Engines exhaust pipes wrapped and finished with carbon fiber covers.
15.04	The engine room is separated from the living quarters by the sound and vibration isolation barrier <b>DAMPASTE</b> based on patented technology.
15.05	All bulkheads, ceilings and hull sides have acoustic and thermal insulation.
15.06	All insulation materials are fire-resistant in class A-15, A-30 and A-60, depending on the type of cabin.

<b>16. Outfitting</b>	
16.01	<b>a. Mast</b>
16.02	Aluminum Hardtop
16.03	Stylized fiberglass (or aluminium) mast to support and mount navigation antennas, radar arrays,
16.04	(2) Luminel 15-inch chrome searchlights. 230 VAC lamp with joystick (remote control) operation from the pilot house.
16.05	Forward, aft and Jacuzzi zone facing LED flood lights.
16.06	<b>Kahlenberg</b> dual trumpet air horn .
16.07	LED navigation lights.
16.08	Other navigation and communication equipment.
16.09	
16.10	<b>b. Flybridge</b>
16.11	Teak deck.
16.12	Scupper drains for rapid evacuation of water overboard.
16.13	Access to the flybridge is provided through the stairs from the upper boat deck and through the internal stairs from the upper deck lobby.
16.14	Serving room with elevator for serving food.
16.15	Fiberglass counter top with built-in sink and faucet.
16.16	Sound with amplifier, speakers and subwoofer.
16.17	Fiberglass molded-in settees with storage beneath.
16.18	(2) Fixed dining table in front of the settees.
16.19	Electric barbeque grill.
16.20	Electric double stove
16.21	(2) Marine built-in refrigerators <b>Webasto</b> .
16.22	Ice-maker <b>Webasto</b>
16.23	Bar
16.24	Jacuzzi with fresh water
16.25	Fresh water wash down hose bib.
16.26	Stainless steel framed venture windshield with dark Acrylic panels.
16.27	LED courtesy lighting along walk way.

16.28	44" high stainless steel 1,5" diameter safety rails.
16.29	<b>Bering</b> insignia signs mounted on both sides of the flybridge.
16.30	LED courtesy lights.
16.31	LED overhead lights.
16.32	
16.33	<b>c. Forward deck</b>
16.34	Teak deck.
16.35	44" high stainless steel 1,5" diameter safety rails.
16.36	66" tall 1.5" diameter stainless steel ensign staff.
16.37	Flush deck aluminum hatch access to chain locker.
16.38	(2) <b>DATA DZC 3300</b> series hydraulic winches with on deck foot switches. Dual chain stoppers with tensioners. Stainless steel, grooved bow rollers.
16.39	(4) heavy duty bollards.
16.40	U shape aluminium molded-in settee with storage beneath.
16.41	Fresh water hose bib for wash down.
16.42	LED courtesy lights.
16.43	
16.44	<b>d. Upper deck</b>
16.45	Teak deck.
16.46	44" high stainless steel 2" diameter safety rails.
16.47	66" tall 1.5" diameter stainless steel ensign staff.
16.48	Fresh water hose bib for wash down.
16.49	Access to the upper deck from the cockpit, starboard.
16.50	<b>Steelhead CT-6000</b> four function hydraulic yacht crane with remote control.
16.51	Dinghy - optional.
16.52	Custom fabricated fiberglass dinghy cradle with tie down securing straps - optional.
16.53	(2) 16 person life rafts installed, one to port, one to starboard.
16.54	Covered dining area with oval shaped table and chairs. <i>It will be clarified during the detailed design development.</i>
16.55	Oval shaped settee with storage area beneath. <i>It will be clarified during the detailed design development.</i>
16.56	Sound system with amplifier, subwoofer and speakers.
16.57	LED courtesy lights.
16.58	LED overhead lights.
16.59	Awning wind-stoppeing glass wall.
16.60	
16.61	<b>e. Main deck</b>
16.62	Teak deck.
16.63	Stainless steel railing with varnished teak handrail.
16.64	Central fueling station recessed into superstructure amidships. This single fill location allows for convenient replenishment of all fuel tanks.
16.65	(2) deck fills for fresh water tank. One per side
16.66	Gray and black water pump-out station. One per side
16.67	Fresh water hose bib for deck wash.
16.68	Stairs on starboard side from main deck to the upper deck.
16.69	Oval shaped settee with matching varnished teak oval table.
16.70	Subwoofer and spekers.
16.71	(2) <b>DATA DHC 2200</b> hydraulic rope capstans mounted on cockpit.
16.72	Two mooring bollards from each side.
16.73	Transom gates port and starboard at aft end of cockpit.
16.74	Shore power cord retrieving system
16.75	<b>Opacmare</b> (or equal) telescopic hydraulic Passarella
16.76	<b>Opacmare</b> (or equal) hydraulic boarding ladder on starboard side
16.77	LED courtesy lights.
16.78	LED overhead lights.
16.79	
16.80	<b>f. Swim platform</b>
16.81	Teak deck.
16.82	Access from swim platform to cockpit via stairs to port and starboard.
16.83	Hot and cold fresh water shower box.
16.84	Hydraulic watertight transom door (opens up) connecting swim platform to beach club.

16.85	(5) 2" diameter, 3' tall, 316 stainless steel removable U-shape rails with self draining stainless steel bases .
16.86	(4) 12" stainless steel fold-down cleats.
16.87	<b>Opacmare</b> hydraulic transformer.

<b>17. Interior</b>	
17.001	<b>UPPER DECK</b>
17.002	<b>Pilothouse</b>
17.003	Owner's choice of engineered wood flooring.
17.004	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.005	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design agreed with the customer.
17.006	Overhead panels are covered in black artificial leather.
17.007	The sofa is upholstered in black leather.
17.008	The console and instrument panel are trimmed with special wear-resistant black leather.
17.009	Navigation center / Desk with chair behind the settee
17.010	(2) Aluminum weathertight doors - port and starboard.
17.011	Forward windows are tempered glass. 5 front have a built-in electric heating system (anti-fog).
17.012	Side windows are tinted glass with pleated window blinds.
17.013	All overhead lights are dimmable LED.
17.014	LED courtesy lights.
17.015	The technical space under the control console is equipped with LED lighting.
17.016	Amber lights above the chart table.
17.017	Red LED courtesy lights.
17.018	<b>Vimar</b> electrical outlets.
17.019	<b>Webasto</b> 24,000 BTU air conditioning unit.
17.020	Wood overhead louvers for air conditioning and ventilation.
17.021	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.022	Fire extinguisher.
17.023	
17.024	<b>Upper Deck Day Head</b>
17.025	Ceramic tile floors.
17.026	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.027	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.028	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.029	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design agreed with the customer.
17.030	The surface of the cabinet with a sink is made of artificial material / stone according to the design approved by the customer.
17.031	Ceramic sink with <b>Hansgrohe</b> stainless steel mixer.
17.032	Mirrors above the vanity.
17.033	Vacuum toilet <b>JETS</b> .
17.034	All overhead lights are LED.
17.035	LED courtesy lights.
17.036	<b>Vimar</b> multiple duplex electrical outlets GFCI.
17.037	Exhaust ventilation.
17.038	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.039	
17.040	<b>Captain/VIP Cabin</b>
17.041	Owner's choice of engineered wood flooring.
17.042	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.043	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.044	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.

17.045	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design agreed with the customer.
17.046	Windows with three-layer tinted glass and curtains / blinds according to the design approved by the customer.
17.047	Queen size bed.
17.048	43' flat screen LED TV.
17.049	(2) Night stands with drawers.
17.050	Storage drawers under bed.
17.051	Wardrobe.
17.052	Mirror.
17.053	All overhead lights are dimmable LED.
17.054	LED courtesy lights.
17.055	LED courtesy lights.
17.056	<b>Vimar</b> electrical outlets.
17.057	<b>Webasto</b> air conditioning unit.
17.058	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.059	Fire extinguisher.
17.060	
17.061	<b>Captain/VIP head</b>
17.062	Ceramic tile floors.
17.063	Wall and ceiling panels are made of marine plywood with fiberglass trim and painted in bright colors.
17.064	Window with three-layer tinted glass and aluminum shutters.
17.065	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design approved by the customer.
17.066	Ceramic sink with stainless steel faucet.
17.067	Mirrors above the vanity.
17.068	Shower cabin with frosted glass door.
17.069	Stainless steel shower.
17.070	Drawer for shampoo, towels, etc.
17.071	Vacuum toilet <b>JETS</b> .
17.072	Stainless steel electric heated towel rail.
17.073	All overhead lights are LED.
17.074	LED courtesy lights.
17.075	<b>Vimar</b> multiple duplex electrical outlets GFCI.
17.076	Exhaust ventilation.
17.077	
17.078	<b>Sky lounge and Library area</b>
17.079	Owner's choice of engineered wood flooring.
17.080	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.081	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design approved by the customer.
17.082	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.083	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.084	Windows with three-layer tinted glass and curtains / blinds according to the design approved by the customer.
17.085	A staircase connecting the flybridge to the saloon on the main deck.
17.086	Built-in teak cabinetry for media center with retractable 60" flat screen LCD television with stereo
17.087	Built-in settee on the port side.
17.088	Two chairs on the left side of the cabin.
17.089	Free standing coffee table.
17.090	Corner library area on the port side with built in shelves and cabinets
17.091	Electric sliding door with access controller leading to the boat deck.
17.092	<b>Vimar</b> electrical outlets.
17.093	All overhead lights are dimmable LED.
17.094	LED courtesy lights.
17.095	<b>Webasto</b> air conditioning unit.
17.096	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.097	Fire extinguisher.

17.098	
17.099	<b>MAIN DECK</b>
17.100	<b>Master stateroom</b>
17.101	Owner's choice of engineered wood flooring.
17.102	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.103	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design approved by the customer.
17.104	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.105	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.106	Windows with tinted glass and curtains / blinds according to the design approved by the customer.
17.107	King-size bed.
17.108	(2) Night stands with drawers.
17.109	Storage drawers under bed.
17.110	Chest with drawers.
17.111	Built-in teak cabinetry for media center with retractable 60" flat screen LCD television with stereo system and apple TV(TBD).
17.112	Mirror.
17.113	Built-in L-shape settee on the portside board with coffee table.
17.114	(2) Free-standing chairs with a coffee table on the starboard side.
17.115	Walk-in closet with upholstered furniture with an entrance door from the foyer of the main deck and an internal door to the master head.
17.116	Large lockable owner closets with shelves and drawers underneath
17.117	<b>Vimar</b> electrical outlets.
17.118	All overhead lights are dimmable LED.
17.119	LED courtesy lights.
17.120	LED wall lights.
17.121	LED courtesy lights.
17.122	<b>Webasto</b> air conditioning unit
17.123	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.124	Fire extinguisher.
17.125	
17.126	<b>Master head</b>
17.127	Natural marble floor according to customer approved design.
17.128	The walls are decorated with marble panels with wood inserts according to the design approved by the customer.
17.129	Windows with three-layer tinted glass and curtains / blinds according to the design approved by the customer.
17.130	Ceiling panels are made of marine plywood with fiberglass trim and painted in bright colors.
17.131	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design approved by the customer.
17.132	The surface of the cabinet with a sink is made of artificial material / stone according to the design approved by the customer.
17.133	(2) Ceramic sinks with <b>Hansgrohe</b> stainless steel taps.
17.134	Mirrors above the vanity.
17.135	Shower cabin with tempered glass door.
17.136	Master head is divided by the wall to preserve toilet privacy
17.137	<b>Hansgrohe</b> stainless steel shower mixer.
17.138	Drawer for shampoo, towels, etc.
17.139	Plastic bathtub with hydromassage.
17.140	<b>Vacuum toilet JETS</b>
17.141	Stainless steel electric towel heater.
17.142	All overhead lights are LED.
17.143	LED courtesy lights.
17.144	<b>Vimar</b> multiple duplex electrical outlets GFCI.
17.145	Exhaust ventilation.
17.146	
17.147	<b>Galley</b>
17.148	Ceramic granite planked tile flooring.

17.149	Wall and ceiling panels are made of marine plywood with fiberglass trim and painted in bright colors according to the design approved by the customer.
17.150	The furniture is made of marine plywood with fiberglass trim (or finished with natural veneer and varnished) - according to the design approved by the customer.
17.151	Worktops of countertops are made of artificial material / stone according to the design approved by the customer.
17.152	Cabinets with doors and shelves, all shelves are equipped with limiters.
17.153	Hanging cabinets.
17.154	Abundant storage lockers and drawers for storing dishes and galley ware.
17.155	LED kickboard lights below the sink and oven.
17.156	Island with built in sink and electrical cooktop and hood.
17.157	Large stainless steel basin sink with macerator (TBD).
17.158	Premium pull out retractable stainless steel faucet (TBD).
17.159	Dishwasher (TBD).
17.160	Oven (TBD).
17.161	Microwave oven TBD).
17.162	Refrigerator (TBD).
17.163	Freezer (TBD).
17.164	Ice maker (TBD).
17.165	All overhead lights are LED.
17.166	LED courtesy lights.
17.167	<b>Vimar</b> multiple duplex electrical outlets.
17.168	<b>Webasto</b> BTU air conditioning unit.
17.169	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.170	Fire extinguisher.
17.171	
17.172	<b>Serving room</b>
17.173	Ceramic granite planked tile flooring.
17.174	Wall and ceiling panels are made of marine plywood with fiberglass trim and painted in bright colors according to the design approved by the customer.
17.175	The furniture is made of marine plywood with fiberglass trim (or finished with natural veneer and varnished) - according to the design approved by the customer.
17.176	The countertop working surface is made of artificial material / stone according to the design approved by the customer.
17.177	Cupboards with doors and shelves. All shelves are equipped with stops.
17.178	Hanging cabinets.
17.179	Abundant storage lockers and drawers for storing dishes and galley ware.
17.180	LED kickboard lights below the sink and oven.
17.181	Large stainless steel basin sink with macerator (TBD)
17.182	Premium pull out retractable stainless steel faucet (TBD).
17.183	Dishwasher (TBD).
17.184	Trash compactor (TBD).
17.185	Elevator for delivery of dishes from the serving room to the upper deck and flybridge.
17.186	All overhead lights are LED.
17.187	LED courtesy lights.
17.188	<b>Vimar</b> multiple duplex electrical outlets.
17.189	<b>Webasto</b> air conditioning unit.
17.190	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.191	Fire extinguisher.
17.192	
17.193	<b>Main Deck Lobby</b>
17.194	Owner's choice of engineered wood flooring.
17.195	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.196	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.197	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.198	Staircase connecting lower deck and pilot house (upper deck).
17.199	Wardrobe.
17.200	Pantry.
17.201	<b>Poseidon (or equal)</b> smoke alarm sensor.

17.202	Fire extinguisher.
17.203	
17.204	<b>Foyer</b>
17.205	Owner's choice of engineered wood flooring.
17.206	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.207	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.208	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.209	Watertight hydraulic balcony door to the starboard side.
17.210	Door to the saloon
17.211	All overhead lights are LED.
17.212	LED courtesy lights.
17.213	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.214	Fire extinguisher.
17.215	
17.216	<b>Main saloon</b>
17.217	Owner's choice of engineered wood flooring.
17.218	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.219	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design approved by the customer.
17.220	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.221	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.222	Windows with three-layer tinted glass and curtains / blinds according to the design approved by the customer.
17.223	Staircase connecting upper deck with the saloon area (main deck).
17.224	Electric sliding door with access controller leading to the cockpit.
17.225	(3) Free-standing settees on the starboard, on the portside board and one in the middle.
17.226	(2) Free-standing coffee tables in front of settees.
17.227	Wine cooler (TBD)
17.228	Built-in storage cabinets on the port and starboard sides under the windows.
17.229	Free standing dining table with chairs for 12 persons.
17.230	Built-in teak cabinetry for media center with retractable 60" flat screen LCD television with stereo system nad apple TV (TBD).
17.231	Stereo system with tuner, AM/FM, CD player, subwoofer and flush mounted speakers in the ceiling (TBD).
17.232	Two distinct areas of dimmable LED overhead lights.
17.233	LED wall lights.
17.234	LED courtesy lights.
17.235	<b>Vimar</b> electrical outlets.
17.236	<b>Webasto</b> air conditioning unit
17.237	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.238	Fire extinguisher.
17.239	
17.240	<b>Day Head on Main Deck</b>
17.241	Ceramic tile floors.
17.242	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.243	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.244	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.245	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design agreed with the customer.
17.246	The surface of the cabinet with a sink is made of artificial material / stone according to the design approved by the customer.
17.247	Ceramic sink with <b>Hansgrohe</b> stainless steel mixer.

17.248	Mirrors above the vanity.
17.249	Vacuum toilet <b>JETS</b> .
17.250	All overhead lights are LED.
17.251	LED courtesy lights.
17.252	<b>Vimar</b> multiple duplex electrical outlets GFCI.
17.253	Exhaust ventilation.
17.254	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.255	
17.256	<b>LOWER DECK</b>
17.257	<b>Guest staterooms #1 &amp; #2 (17,5 m2 each)</b>
17.258	Owner's choice of engineered wood flooring.
17.259	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.260	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.261	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.262	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design agreed with the customer.
17.263	Windows with three-layer tinted glass and curtains / blinds according to the design approved by the
17.264	43' flat sreen LED TV and apple TV.
17.265	King-size bed.
17.266	Storage drawers under bed.
17.267	Night stand with drawers.
17.268	Built-in L-shape table on the port\starboard side.
17.269	Work chair in front of the table.
17.270	Large wardrobe.
17.271	Mirror.
17.272	Cabinets with shelves and drawers under the countertop on the right / left side.
17.273	<b>Vimar</b> electrical outlets.
17.274	All overhead lights are dimmable LED.
17.275	Reading lights.
17.276	LED wall lights.
17.277	LED courtesy lights.
17.278	<b>Webasto</b> air conditioning unit.
17.279	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.280	<b>Poseidon (or equal)</b> CO alarm .
17.281	Fire extinguisher.
17.282	
17.283	<b>Guest staterooms #3 &amp; #4 &amp;#5</b>
17.284	Owner's choice of engineered wood flooring.
17.285	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.286	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.287	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.288	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design agreed with the customer.
17.289	Windows with three-layer tinted glass and curtains / blinds according to the design approved by the
17.290	43' flatscree LED TV and apple TV.
17.291	King-size bed.
17.292	Storage drawers under bed.
17.293	Night stand with drawers.
17.294	Built-in corner table / chest of drawers on the left / right side of the cabin.
17.295	Large wardrobe.
17.296	Mirror.
17.297	Cabinets with shelves and drawers under the countertop on the port\starboard side.
17.298	<b>Vimar</b> electrical outlets.
17.299	All overhead lights are dimmable LED.
17.300	LED courtesy lights.

17.301	LED wall lights.
17.302	LED courtesy lights.
17.303	<b>Webasto</b> air conditioning unit.
17.304	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.305	<b>Poseidon (or equal)</b> CO alarm .
17.306	Fire extinguisher.
17.307	
17.308	<b>Guest heads #1 &amp; #2 &amp; #3 &amp; #4 &amp; #5</b>
17.309	Natural marble floor according to customer approved design.
17.310	The walls are decorated with marble panels with wood inserts according to the design approved by the customer.
17.311	Windows with three-layer tinted glass and curtains / blinds according to the design approved by the
17.312	Ceiling panels are made of marine plywood with fiberglass trim and painted in bright colors.
17.313	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design approved by the customer.
17.314	The surface of the cabinet with a sink is made of artificial material / stone according to the design approved by the customer.
17.315	Mirrors above the vanity.
17.316	Shower cabin with frosted glass door.
17.317	Ceramic sink with <b>Hansgrohe</b> stainless steel mixer.
17.318	Drawer for shampoo, towels, etc.
17.319	Vacuum toilet <b>JETS</b> .
17.320	Electric towel heater
17.321	All overhead lights are LED.
17.322	LED courtesy lights.
17.323	<b>Vimar</b> multiple duplex electrical outlets GFCI.
17.324	Exhaust ventilation.
17.325	
17.326	<b>Companionway on the lower deck (10m2)</b>
17.327	A sliding waterproof door with an electric (emergency mechanical) drive divides the guest and technical accommodations. The door is decorated for interior design. Normal state is closed.
17.328	Owner's choice of engineered wood flooring.
17.329	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.330	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.331	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.332	A wide staircase with lighting in the salon to the dining area.
17.333	All overhead lights are LED.
17.334	LED courtesy lights.
17.335	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.336	<b>Poseidon (or equal)</b> CO alarm .
17.337	Fire extinguisher.
17.338	
17.339	<b>Crew common room</b>
17.340	Ceramic granite planked tile flooring.
17.341	Wall and ceiling panels are made of marine plywood with fiberglass trim and painted in bright colors according to the design approved by the customer.
17.342	The furniture is made of marine plywood with fiberglass trim (or finished with natural veneer and varnished) - according to the design approved by the customer.
17.343	Built-in corner sofa with storage with a dining table in front of it.
17.344	Flatscreen LED TV and apple TV.
17.345	Kitchenette for organizing cooking for the crew.
17.346	The countertop working surface is made of artificial material / stone according to the design approved by the customer.
17.347	Sink with a macerator, electric cooktop, extractor hood above it.
17.348	LED keyboard lights below the sink and oven.
17.349	Cupboards with doors and shelves, composite finish.
17.350	Hanging cabinets.
17.351	Abundant storage lockers and drawers for storing dishes and galley ware.
17.352	Dishwasher (TBD).

17.353	Trash compactor (TBD).
17.354	Stairs down to the laundry.
17.355	All overhead lights are LED.
17.356	LED courtesy lights.
17.357	<b>Vimar</b> multiple duplex electrical outlets.
17.358	<b>Webasto</b> air conditioning unit.
17.359	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.360	<b>Poseidon (or equal)</b> CO alarm .
17.361	Fire extinguisher.
17.362	
17.363	<b>Crew quarters #1.</b>
17.364	Owner's choice of engineered wood flooring.
17.365	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.366	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design agreed with the customer.
17.367	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.368	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.369	Windows with three-layer tinted glass and curtains / blinds according to the design approved by the
17.370	Queen size bed.
17.371	Night stand with drawers.
17.372	Storage drawers under bed.
17.373	Wardrobe.
17.374	Mirror.
17.375	All overhead lights are dimmable LED.
17.376	LED courtesy lights.
17.377	LED courtesy lights.
17.378	<b>Vimar</b> electrical outlets.
17.379	<b>Webasto</b> air conditioning unit.
17.380	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.381	<b>Poseidon (or equal)</b> CO alarm .
17.382	Fire extinguisher.
17.383	
17.384	<b>Two forward symmetrical crew quarters 2 &amp;3.</b>
17.385	Owner's choice of engineered wood flooring.
17.386	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.387	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design agreed with the customer.
17.388	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.389	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.390	Windows with three-layer tinted glass and curtains / blinds according to the design approved by the
17.391	Bank bed
17.392	Night stand with drawers.
17.393	Storage drawers under bed.
17.394	Wardrobe.
17.395	Mirror.
17.396	Corner Table with chair.
17.397	All overhead lights are dimmable LED.
17.398	LED courtesy lights.
17.399	LED courtesy lights.
17.400	<b>Vimar</b> electrical outlets.
17.401	<b>Webasto</b> air conditioning unit.
17.402	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.403	<b>Poseidon (or equal)</b> CO alarm .
17.404	Fire extinguisher.
17.405	

17.406	<b>Two forward symmetrical crew quarters 4&amp;5. (4,5 m2)</b>
17.407	Owner's choice of engineered wood flooring.
17.408	The interior walls are finished with wood panels with natural veneer with fabric inserts according to the design approved by the customer.
17.409	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design agreed with the customer.
17.410	The interior doors are made of marine plywood with natural wood elements and veneered according to the design approved by the customer.
17.411	The ceiling panels are covered in micro-fiber fabric in a light shade according to the design approved by the customer.
17.412	Windows with three-layer tinted glass and curtains / blinds according to the design approved by the
17.413	Bunk bed
17.414	Storage drawers under bed.
17.415	Wardrobe.
17.416	Mirror.
17.417	All overhead lights are dimmable LED.
17.418	LED reading lights.
17.419	LED courtesy lights.
17.420	<b>Vimar</b> electrical outlets.
17.421	<b>Webasto</b> air conditioning unit.
17.422	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.423	<b>Poseidon (or equal)</b> CO alarm .
17.424	Fire extinguisher.
17.425	
17.426	<b>Heads in all five crew cabins (2 m2 each)</b>
17.427	Ceramic tile floors.
17.428	Wall and ceiling panels are made of marine plywood with fiberglass trim and painted in bright colors according to the design approved by the customer.
17.429	The furniture is made of marine plywood, finished with natural veneer and varnished according to the design approved by the customer.
17.430	Ceramic sink with stainless steel faucet (TBD).
17.431	Mirrors above the vanity.
17.432	Shower cabin with tempered glass door.
17.433	Stainless steel shower.
17.434	Stands for shampoo, towels, etc.
17.435	Vacuum toilet <b>JETS</b> .
17.436	Stainless steel electric towel heater.
17.437	All overhead lights are LED.
17.438	LED courtesy lights.
17.439	<b>Vimar</b> multiple duplex electrical outlets GFCI.
17.440	Exhaust ventilation.
17.441	
17.442	<b>Laundry</b>
17.443	Watertight door to cofferdam with fuel tanks. The normal position is closed.
17.444	Ceramic tile floors.
17.445	Walls and ceilings are paneled with composite non-combustible materials.
17.446	Cabinets for storing clean linen and detergents are made of marine plywood, decorated with fiberglass and painted in bright colors.
17.447	(2) Two washing machines.
17.448	(2) Two tumble dryers.
17.449	Ironing machine.

17.450	Folding ironing board.
17.451	All overhead lights are LED.
17.452	LED courtesy lights.
17.453	<b>Vimar</b> multiple duplex electrical outlets GFCI.
17.454	<b>Webasto</b> air conditioning unit.
17.455	Exhaust ventilation.
17.456	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.457	<b>Poseidon (or equal)</b> CO alarm .
17.458	Fire extinguisher.
17.459	
17.460	<b>Provision room</b>
17.461	Entrance through the laundry.
17.462	Ceramic tile floors.
17.463	Walls and ceilings are paneled with composite non-combustible materials.
17.464	Cabinets with shelves for storing products that do not require temperature, made of marine plywood, decorated with fiberglass and painted in bright colors.
17.465	Freezers.
17.466	Refrigerated cabinets
17.467	All overhead lights are LED.
17.468	LED courtesy lights.
17.469	<b>Vimar</b> multiple duplex electrical outlets GFCI.
17.470	Supply and exhaust ventilation.
17.471	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.472	<b>Poseidon (or equal)</b> CO alarm .
17.473	Fire extinguisher.
17.474	
17.475	<b>Beach Club</b>
17.476	Hydraulically Operated Shell Door H1900 * W4500.
17.477	Stairs to the salon with a vestibule on the main deck and an aluminum door.
17.478	The floors are laid out with natural teak and have an automatic drainage system.
17.479	The ceilings and walls are trimmed with planks of natural hardwood.
17.480	Hamam with electric heater 1.8 m2. Walls are made of foldable glass parts.
17.481	Shower room with shower and cabinets for storing clean linen.
17.482	Dressing room with sink and toilet.
17.483	Free-standing upholstered furniture.
17.484	Mini bar with built-in fridge and ice maker.
17.485	All overhead lights are LED.
17.486	LED courtesy lights.
17.487	<b>Vimar</b> multiple duplex electrical outlets GFCI.
17.488	Exhaust ventilation.
17.489	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.490	<b>Poseidon (or equal)</b> CO alarm .
17.491	Fire extinguisher.
17.492	
17.493	<b>Aft lower deck garage</b>
17.494	Hydraulically Operated Shell Door H1700 x W3000.
17.495	Hydraulically operated marine telescopic crane. <b>TBD (OPTION)</b> .
17.496	Waterproof door to the beach club area.
17.497	The floors are covered with artificial wear-resistant non-slip material.
17.498	Ceilings and walls are finished with composite non-combustible panels.
17.499	Independent drainage system with high capacity pumps.
17.500	Systems of fasteners for the needs of the customer. <b>TBD (OPTION)</b> .
17.501	Compressor for filling diving cylinders with a remote air intake line. <b>TBD (OPTION)</b> .
17.502	All overhead lights are LED.
17.503	Supply and exhaust ventilation.
17.504	<b>Poseidon (or equal)</b> smoke alarm sensor.
17.505	<b>Poseidon (or equal)</b> CO alarm .
17.506	Fire extinguisher.

<b>18. Miscellaneous</b>	
18.01	As-built Owner's manual in English. Includes descriptions and systems drawings.
18.02	Set of Warranty Certificates.
18.03	Set of manuals and certificates relating to materials and equipment.
18.04	Tool box.
18.05	Spare parts for equipment, supplied by manufacturers.

<b>19. Electronics and Navigation equipment. (Scope TBD with customer)</b>	
19.01	<u><b>WHEELHOUSE</b></u>
19.02	<b>HATTELAND MONITORS</b>
19.03	(4) HD 19T22 FUD VERSION. HATTELAND DISPLAY 19" MMD FUD VERSION 24 VDC/115-230 VDC - Display Hatteland 19" Type Approved for FAR RADAR - 2xDVI In; 2xRGB In, 3xComposite Video In
19.04	(4) 80-203-002 CAVO DVI SLD M/M 10mt
19.05	
19.06	<b>FURUNO MAIN and SECONDARY RADAR FAR 2218B- x BAND- 12KW (X BAND)</b>
19.07	(2) IMD03281005 RADAR FAR-2218-BB X BAND 12KW
19.08	(2) 00124984000 XN20CF RADIATOR 6,5 FT FOR FAR2218/2228/3210/3220
19.09	(2) 00125988000 CABLE 50M RW-00135 CAVO 50 MT CHART RADAR
19.10	70-202-0019 SPECIAL NETWORK CABLE PVC CAT.6 FOR FAR NETWORK
19.11	
19.12	<b>NAVIGATION PC #1# ans #2# e MAXSEA TZ PROFESSIONAL SW</b>
19.13	(2) RO-PC-100-0003 PC WMT300 24V i5 SSD 128GBx64
19.14	(2) RO-WIN7-ULT64 SO WINDOWS 7 ULTIMATE (64bit)
19.15	(2) MSTZPROF SW TIMEZERO PROFESSIONAL
19.16	(2) ACNDC-4-USB BUFFER NMEA IN/OUT CONFIG.-4 IN/2 OUT RS232/USB
19.17	(2) 41-105-002 EXTENDER USB 1,1 CAT.5/5E/6
19.18	(2) 41-101-0024 KEYBOARD CORDLESS + MOUSE (uk) USB BLANK NEOVO
19.19	
19.20	<b>MAPMEDIA CHART FOR MAXSEA TIMEZERO NAVIGATION SW</b>
19.21	(2) IM MM3 VETT. XL9 NAV CHART UNLOCKCODES mm3D VECTOR
19.22	(2) IM FOTO HD UNLOCK CODE HD PICTURES
19.23	
19.24	<b>FURUNO GPS GP-170 - GPS #1# and #2#</b>
19.25	(2) IMD03226000 GPS NAVIGATOR GP-170/GPA017S GPS (Wheelmark)
19.26	(2) 00111297010 CABLE ASSEMBLY FRU-10BFFM-02M
19.27	70-200-0003 CAVO COAX BROAD PRO
19.28	(4) CONN.BROAD PRO SPECIAL CONNECTOR FOR BROAD PRO COAX CABLE
19.29	(1) AC-N288F DECKMOUNT STAINLESS STEEL 1-14
19.30	
19.31	<b>FURUNO MULTI DISTRIBUTOR NMEA</b>
19.32	(2) 00004310100 MULTI DISTRUBUTOR MD-550
19.33	
19.34	<b>FURUNO NMEA CONVERTER NMEA 2000/0183 AND VICEVERSA</b>
19.35	(2) 00002051000
19.36	
19.37	<b>FURUNO NAVIGATION ECHOSOUNDER FE-800</b>
19.38	(1) IMD03289001FE-800 LESS HULL UNIT NAVIGATION ECHOSOUNDER
19.39	(1) RO-30-400-0112 PHOENIX24/180 24/220V IEC-320
19.40	(1) 00002545900 MB-502A MATCHING BOX 50 KHZ
19.41	(1) 00001504300 TRANSDUCER 50B-6B PLASTIC
19.42	(1) 00001557200 INTERIOR HULL UNIT TTF-5600 T-20
19.43	70-202-0016 CABLE 4x2x1 SHIELDED - WITH NAVAL CERTIFICATION
19.44	70-204-0005 SHIELDED CABLE 2X2.5 NON ARM. CERT.
19.45	
19.46	<b>FURUNO DOPPLER SPEED LOG (DUAL AXIS) DS-80</b>
19.47	(1) IMD00409002 DOPPLER SPEED LOG FURUNO DS80/220VAC
19.48	(1)00002904500 TRANSDUCER WITH 30M CABLE DS-820-30
19.49	(1)00004310100 MULTI DISTRIBUTOR MD-550
19.50	70-202-0016 CABLE 4x2x1 SHIELDED - WITH NAVAL CERTIFICATION

19.51	
19.52	<b>FURUNO SPECIAL HUB FOR FAR RADARs / NAVIGATION PC NETWORK</b>
19.53	(1) 00008335300 SWITCHING HUB-HUB-100
19.54	
19.55	<b>FURUNO RD-33 MULTIDATA REPETERS</b>
19.56	(2) IMD02361001 RD33 REMOTE DISPLAY
19.57	(2) 00002051000 JUNCTION BOX FI-5002
19.58	(2) 00-700-0027 DC/DC CONVERTER 24/12 VDC
19.59	
19.60	<b>FURUNO WIND SENSOR AND NMEA 2000 CONVERTER</b>
19.61	(1) 00001048200 WIND TRANSDUCER FI-5001
19.62	(1) 00001061800 INSTALLATION MATERIALS CP26-00400(50M)
19.63	(1) IF-NMEA-FI CONVERTER IF-NMEA-FI
19.64	(1) 00002051000 JUNCTION BOX FI-5002
19.65	(1) 00-700-0027 DC/DC CONVERTER 24/12 VDC
19.66	(1) KIT NMEA CABLEs & CONNECTOR NMEA 2000 KIT
19.67	
19.68	<b>BACK UP ECHOSOUNDER SENSOR NMEA 2000 B122</b>
19.69	(1) AI-44-151-1-01 SMART SENSOR B122 TH BRON.LS 235KHz
19.70	RO-70-202-0020 NMEA 2000 SPECIAL CABLE
19.71	(1) IF-NMEA-FI CONVERTER IF-NMEA-FI
19.72	(1) 00002051000 JUNCTION BOX FI-5002
19.73	(1) 00-700-0027 DC/DC CONVERTER 24/12 VDC
19.74	(1) KIT NMEA CABLEs & CONNECTOR NMEA 2000 KIT
19.75	
19.76	<b>SIMRAD AUTOPILOT AP-70 IMO APPROVED</b>
19.77	(1) 000-10182-001 AP70 IMO APPROVED AUTOPILOT DISPLAY
19.78	(1) AC80 COM COMPUTER AUTOPILOT AC80
19.79	(1) RF14X RF14XU HEAVY DUTY FEEDBACK UNIT
19.80	(1) PRECISION 9 PRECISION 9 COMPASS
19.81	(1) KIT NMEA CABLEs & CONNECTOR NMEA 2000 KIT
19.82	
19.83	<b>SIMRAD GYROCOMPASS GC80</b>
19.84	GC80 - WHEELMARK SISTEMA GYRO GC80 COMPATTO
19.85	(1)HR80 SIMRAD HR80 HEADING REPETER
19.86	(1) 00004310100 MULTI DISTRIBUTOR MD-550
19.87	(1) NM-AD10PC NMEA HEADING TO AD10 PROTOCOL
19.88	
19.89	<b>FURUNO FLUXGATE HEADING COMPASS - BACK UP</b>
19.90	(1) IMD01665001 PG500 INTEGRATED HEADING SENSOR
19.91	
19.92	<b>FURUNO AIS TRANSPONDER CLASS A</b>
19.93	(1) IMD03385000 FA170/GPA017S FURUNO U-AIS TRANSPONDER
19.94	(1) AC-N288F DECKMOUNT STAINLESS STEEL 1-14
19.95	(1) AC-CX4 VHF ANTENNA AC MARINE CX4
19.96	(1) AC-E180F DECKMOUNT STAINLESS STEEL 1GAS
19.97	RO-70-200-0004 CAVO COAX AC7 (Low Attenuation)
19.98	(2) CONN.AC7 SPECIAL CONNECTOR FOR AC7 COAX CABLE
19.99	RO-70-200-0008 CAVO COAX BROAD PRO 50
19.100	(1) CONN.BROAD PRO SPECIAL CONNECTOR FOR BROAD PRO COAX CABLE
19.101	
19.102	<b>C-PLATH MAGNETIC COMPASS</b>
19.103	(1) PL73322 MAGNETIC COMPASS C-PLATH VENUS
19.104	
19.105	<b><u>CREW MESS AREA</u></b>
19.106	<b>FURUNO RD-33 MULTIDATA REPETERS FOR CREW MESS AREA</b>
19.107	(1) IMD02361001 RD33 REMOTE DISPLAY
19.108	(1)00002051000 JUNCTION BOX FI-5002
19.109	(1) 00-700-0027 DC/DC CONVERTER 24/12 VDC
19.110	(1) KIT NMEA CABLEs & CONNECTOR NMEA 2000 KIT
19.111	

19.112	<b><u>WING STATIONS</u></b>
19.113	<b>FURUNO RD-33 MULTIDATA REPETERs FOR WING STATIONS</b>
19.114	(2) IMD02361001 RD33 REMOTE DISPLAY
19.115	(2) 00002051000 JUNCTION BOX FI-5002
19.116	(2) 00-700-0027 DC/DC CONVERTER 24/12 VDC
19.117	(1) KIT NMEA CABLEs & CONNECTOR NMEA 2000 KIT
19.118	
19.119	<b><u>STEERING GEAR ROOM</u></b>
19.120	<b>FURUNO RD-50 MULTIDATA REPETER</b>
19.121	(1) IMD02362001 RD50 REMOTE DISPLAY UNIT
19.122	(1) 00001631300 BRACKET ASSY WITH KNOBS OP26-8
19.123	
19.124	<b><u>COMMUNICATION EQUIPMENT</u></b>
19.125	<b>FURUNO VHF #1# DSC Class A - GMDSS</b>
19.126	(1) IMD03272001 RADIOTELEPHONE VHF FURUNO FM-8900S GMDSS CLASS A
19.127	(1) KIT REMOTIZZ. KIT PER REMOTIZZAZIONE CORNETTA VHF FM8900
19.128	(2) AC-CX4 VHF ANTENNA AC MARINE CX4
19.129	(2) AC-E180F DECKMOUNT STAINLESS STEEL 1GAS
19.130	(100) 70-200-0004 CAVO COAX AC7
19.131	(4) CONN.BROAD PRO SPECIAL CONNECTOR FOR COAX CABLEBROAD PRO .
19.132	
19.133	<b>FURUNO REMOTE STATION FOR CREW MESS AREA - FROM VHF IMO</b>
19.134	(1) 00002092100 WATERTIGHT REMOTE STATION RB-8900-W-15 VHF
19.135	(30) 70-202-0016 CABLE 4X2X1 SHIELDED - NAVAL CERTIFICATED
19.136	
19.137	<b>FURUNO VHF #2# DSC CLASS D BLACK BOX FM-4850 BB &amp; ANTENNA KIT</b>
19.138	(1) IMD03656000 FM-4850 MARINE VHF RADIO TELEPH. BLACK BOX
19.139	(1) 00-700-0027 DC/DC CONVERTER R20 Z. 24/12VDC
19.140	(1) AC-CX4 VHF ANTENNA AC MARINE CX4
19.141	(1) AC-E180F DECKMOUNT STAINLESS STEEL 1GAS
19.142	(50) RO-70-200-0004 CAVO COAX AC7 (Low Attenuation)
19.143	(2) CONN.AC7 SPECIAL CONNECTOR FOR AC7 COAX CABLE
19.144	
19.145	<b>FURUNO NAVTEX RECEIVER GMSS</b>
19.146	(1) IMD02874001 NAVTEX NX700B/LESS CBL RECEIVER UNIT
19.147	(1) AC-N288F DECKMOUNT STAINLESS STEEL 1-14
19.148	(100) 70-200-0004 CAVO COAX AC7 (Low Attenuation)
19.149	(4) CONN.AC7 SPECIAL CONNECTOR FOR AC7 COAX CABLE
19.150	
19.151	<b>FURUNO INMARSAT STD C GMDSS</b>
19.152	(1) IMD03267001 FELCOM18 INMARSAT-C MES 1SET
19.153	(1) 00131345000 BRACKET FOR ANTENNA FELCOM 18 MOD. OP16-75
19.154	(1) 00002269400 PRINTER UNIT PP-520
19.155	(50) 70-200-0003 CAVO COAX BROAD PRO (Low Attenuation)
19.156	(2) CONN.BROAD PRO SPECIAL CONNECTOR FOR BROAD PRO COAX CABL
19.157	(1) 00001363200 AC/DC POWER SUPPLY UNIT PR-240
19.158	
19.159	<b>OCEAN SIGNAL EPIRB GMDSS</b>
19.160	(1) OS700S-00610 SEASAFE E100G EPIRB GPS
19.161	(1) OS701S-00616 SAFESEA ARH100 - AUTOMATIC RELESE HOUSING
19.162	
19.163	<b>OCEAN SIGNAL SART GMDSS</b>
19.164	(1) OS710S-00607 SAFESEA S100 SART
19.165	
19.166	<b>OCEAN SIGNAL PORTABLE VHF - GMDSS</b>
19.167	(3) OS720S-00614 SAFESEA V100 RADIO VHF PORT. GMDSS VHF
19.168	