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## 90ft Aluminium Expedition Yacht



### Listing ID - 1179

<b>Description</b>	<b>90ft Aluminium Expedition Yacht</b>
<b>Date Launched</b>	1996
<b>Length</b>	27.43m (90ft)
<b>Beam</b>	7.16m (23ft 6in)
<b>Location</b>	Ft Lauderdale, Florida, United States
<b>Broker</b>	Franklin Taylor <a href="mailto:franklin.taylor@seaboatsbrokers.com">franklin.taylor@seaboatsbrokers.com</a> +64 27 276 5383
<b>Price</b>	USD 5,000,000

LOA: 90' 0" (27.43m)  
Beam: 23' 6" (7.16m)  
Draft: Max 8' 5" (2.57m)  
Tonnage: 172  
Flag: Marshall Islands  
Year: Mfg1996  
Model: 1996  
Refit: 2014  
Builder: ABD ALUMINUM LTD.  
Type: Motor Yacht Expedition  
Staterooms: 3  
Fuel Cap: 10,300 g (38,990 l)  
Water Cap: 1,450 g (5,489 l)  
Engines: 310 HP, Twin, Inboard, Diesel, Caterpillar  
Speed: Cruising 9 knots @ 1000 RPM

Max 10 knots @ 1200 RPM

Hull Material: Aluminum

Hull Config: Full Displacement

Deck Material: Teak over Aluminum

Tonnage: 172

Range: 5,000 Miles

Fuel Capacity: 10,300 g (38,990 l)

Water Capacity: 1,450 g (5,489 l)

Holding Tank: 500 g (1,893 l)

Flag: Marshall Islands

Model: Enclosed Pilothouse

Type: Motor Yacht

Speed: Cruising 9 knots @ 1000 RPM

Max 10 knots @ 1200 RPM

Engines: 310 HP, Twin, Inboard, Diesel, 3406BTA, Caterpillar

Staterooms: 3

Sleeps: 7

Heads: 5

Crew Quarters: 2

Crew Berths: 4

Captain Cabin: No

### **Accommodations**

Rosa is one of the few Explorer Yachts in this size that has a huge master stateroom behind the wheelhouse with a private deck and all guest cabins on the main deck. She has taken her five Owners and their families over 50,000 ocean miles on her own hull, from the Med to New Zealand and back to the West Coast. Rosa has over a 5000 mile range at an economical fuel burn of 16 gallons an hour at 9 knots; she is as efficient and seaworthy as any vessel in her class.

She is an all aluminum purpose built yacht with huge volume. Her expansive and modern bridge provides a 270 degree view. Rosa carries all the equipment necessary for serious adventure cruising and water play including a dive compressor with racks for 10 tanks and multiple kayaks; she is set up to fish with the best. The vessel features over 2000 gallons of daily fresh watermaking capacity and an environmentally friendly sewage treatment capability.

ROSA is ruggedly built and as practical as she is handsome. Built to expedition standards by ABD of Vancouver, Canada, she is designed to take her owner and guests in comfort and safety anywhere in the world. Her owner has a good understanding of, and deep respect for, preventative maintenance programs. Consequently, she is a superbly maintained and thoughtfully equipped cruising yacht that presents a unique opportunity for someone who desires to adventure to places beyond the norm.

ROSA's accommodations layout is usually only found on much larger vessels. One of the many unique features of ROSA is that there is a large master cabin suite located on the upper deck (behind the wheelhouse), connected to an entire private covered deck. The suite consists of (1) the large main cabin with 11 large windows creating a 270 degrees view from the king bed (blinds on each window are controlled with a remote), (2) his and her heads – one with Jacuzzi hydro massage, the other with shower towers, (3) a separate office area and (4) a huge fully covered private deck. The master tub/shower has an outside access directly into the shower.

Another unique layout feature of ROSA is that the guest accommodations are located not on the lower deck but on the main deck: There are two very large guest cabins, each with a bathroom en suite. One of the cabins has a large settee that makes into a single berth, the other has a centerline king bed. This allows ROSA to sleep 7 guests.

The crew's quarters are also on the main deck forward and, in keeping with the mega yacht feel, they have a complete galley and lounge area with two crew cabins for a total of 4 crew. Historically she has been run with 2 or 3 crew. The entire lower deck is dedicated to the engine room, service spaces and dive/fishing area, again something that is usually only found on much larger Explorer Yachts.

### **Main Deck**

At the stern there is a four foot integrated swim platform with watertight hatches to compartments used for general storage. In 2014 a Pantograph Freeman door was added directly from the swim platform to the large lazarette/dive/fishingcenter with continued access to the extensive engine room and service areas. The five underwater lights create a dramatic nighttime glow in the water surrounding the stern of the yacht.

Dual stairs lead up to the aft deck, which features a gas barbecue grill, refrigerator and a large comfortable settee with a mahogany table suitable for alfresco dining for six or more. There is one centerline power capstan for ease of mooring and towing.

From the Aft Deck, moving forward through double doors, one enters the main salon which features a large sectional sofa, two overstuffed occasional chairs, dining table, full service stand behind wet bar, and entertainment center. This area is well lit with natural light from the large windows. In 2014 the jatoba hardwood floors were installed, along with an extensive sound attenuation system which makes for not only a warm inviting environment but a very quiet one.

Next forward on the portside is the large, fully equipped modern galley with generous storage including pantry and a large side by side refrigerator. Opposite the galley is a breakfast settee for 4. One of the many large Explorer Yacht features you will find on ROSA is the fully enclosed laundry room with 2 washers, 2 dryers, deep S/S laundry sink, wet storage locker and folding area with cabinet storage. This laundry area has a convenient side deck door.

Next forward along the central passageway are the port and starboard guest staterooms. The port stateroom features a queen size bed with settee, the starboard features a walkaround king bed. Both have a head and shower ensuite. Each guest cabin has a flat screen TV and stereo.

All the way forward are the crew quarters with port and starboard double cabins in the bow, featuring stacked single bunks and shared head and shower on centerline. This comfortable crew area features a lounge with dinette, galley area and entertainment center with complete audiovisual and satellite TV system. TV/Video displays in the crew cabin also allows bridge/nav data to be displayed.

### **Lower Deck**

A centerline watertight door between galley and laundry leads to the machinery spaces at the lower deck. This level consists of five watertight bulkhead compartments and is totally dedicated to engineering, service and stowage spaces. The stern section features a large lazarette with steering systems, two large stainless steel fresh water tanks, 2 chest freezers and a full size refrigerator. The lazarette also contains good cabinet storage for fishing tackle, overhead rod and speargun storage as well as a dive compressor and 16 single scuba tanks. In 2014 a new Northern Lights 38 kW generator was installed. The generator is enclosed with a sound shield, has additional mounts to eliminate vibration and noise, and is water cooled with water wash exhaust. This generator and the other new generator are so quiet that it is easy to have a conversation while standing next to them.

Forward of the lazarette through a watertight door is the spacious engine room with full standing headroom throughout, including good walkaround clearance at main engines and both generators.

In 2014/15 extensive work was done in the engine room to upgrade ROSA to the highest standards. The main engines and generators were remounted and the exhaust system was redone to reduce further the already low vibration and sound levels. One of the main generators was replaced with a new Northern Lights 55 kW in a sound shield and the other completely checked and serviced. ROSA now has a total of 3 generators, two brand new, each capable of handling all the electrical systems of the vessel and two capable of driving the hydraulics. A new firefighting system was installed and all equipment was checked, serviced or upgraded as needed in the past 2 years.

Next, through a watertight door is the air conditioned workshop with chest tool storage, port and starboard work benches and cabinet storage for spare parts. Through the next watertight door forward, is a large pump room and excellent storage area which also houses additional workshop power tools: drill press, grinder and metal lathe. In 2015 all of the air conditioning compressor system was replaced. ROSA features a Marine Air system with three compressors which provide a high level of redundancy – only one compressor is sufficient to cool the entire boat; all pumps and other components of the a/c system have been serviced or replaced.

Two independent Seakeeper gyro stabilizer systems were installed, each system fully capable of stabilizing the boat underway and at anchor and in the case of extraordinary seas both systems can be put on line. As a triple back up the original fin Naiad system is still in place and in service (rebuilt in 2012).

The final forward watertight “crash bulkhead” separates the pump room from the bow chain locker. All below deck compartments are air conditioned except for the engine room and lazarette.

### **Upper Deck**

The enclosed wheelhouse is large and has a “big ship” feel. Three evenly spaced leather pilot chairs (2014) span the fully appointed helm console. There is an updated set of electronics and full integration to allow operation and monitoring of many of the systems using iPhone/iPad and the Internet and sat systems. At the aft bulkhead there is a large comfortable leather raised settee (2014) and table for 6 with a remarkable 270 degree view. Port and starboard wheelhouse doors lead to full control wing stations on the side decks. There is a fourth control station on the aft owner's deck. The foredeck features a large sun pad lounge area, heavy duty dual anchoring capstans in a large stainless self draining tray, and ship's bell with engraved name.

The entire upper deck aft of the wheelhouse encompasses the master stateroom suite, including study containing full desk with computer workstation. The master stateroom is in a location and of a size that is rarely found on vessels even much larger than ROSA! The master suite consists of a centerline king size bed, with extensive drawer space. There are now two large master heads (2014): One with Jacuzzi tub/shower and outside access and vanity, also an outdoors shower at the entrance to that head; and the second one that has vanity, stall shower and an enclosed toilet area. There is a private desk/office area just aft of the first head which could be converted into a large full size closet. Another desk workstation is located in the main master cabin and the extensive bridge area and views make for a ideal work/office area.

Centerline double doors aft from the master lead to the owner's spacious fully covered private aft deck which includes table, chairs and bar with ice-maker and a two drawer refrigerator. Aft on this deck is a centerline helm with engine and steering controls.

### **Top Deck**

Just aft of the wheelhouse to port is an internal stairway which leads to the flybridge and boat deck. The flybridge is also accessible directly by a ladder from the owner's private deck. The flybridge features a custom hard top with three pilot seats and helm station. Aft of the flybridge dashboard to starboard is a built-in Lshaped settee with mahogany

cocktail table for six, an ice maker and teak cooler. The boat deck has a new (2014) 5,000 pound crane to service the extensive boat deck area.

In 2014 the boat deck was extended so that it can now hold a 24' tender, plus crew tender and extensive water toys.

### **Computer, Audio & Visual Equipment**

Most audiovisual systems have been upgraded or replaced in recent years.

At the core of the system is a latest generation, 5 ft. Seatel 500933

Linear Ku VSAT Dome Antenna installation, providing high-speed Internet and telephone service worldwide (a 150k installation, completed in 2014)

A remotely PTZcontrolled, 13-camera system (installed in 2014) provides owners with views of all main areas of the boat and her surroundings in real-life from any location in the world (also via iPhone, iPad, etc.)

(6) TV's with DVD's including a 52" SAMSUNG 4k, 3D LCD (2015 model) in salon

Each guest area and cabin has Satellite TV, connection PBX telephone system in each cabin Wireless network throughout boat and linked to the computer server, printer, scanner, and fax

TRAC Vision SatTV G6

TRAC Vision KVH Sat phone/fax/internet (for redundancy)

Inside and outside high end speakers in all areas except foredeck.

### **Galley & Laundry Equipment**

GE Monogram stainless steel side by side refrigerator

GE Monogram 30" oven

GE Monogram micro/convection hood mount microwave oven

GE 36" induction glass cooktop induction style

KitchenAid stainless steel trash compactor

KitchenAid double drawer dishwasher

Double stainless steel sink

Bosch stacked (2) washers & (2) dryers (2014)

(2) chest freezers and (1) refrigerator below deck

Ice makers at the wet bar in the salon and every deck

Refrigerator and icemaker on Owner's Deck

### **Deck & Hull**

(5) underwater lights

Port & Starboard wing stations

(2) 420 lbs Danforth style anchors (2) 500' 5/8" chain rode Dock/Mooring lines: ample nylon of varying sizes and lengths Carbonfiber Passerelle (2014)

(2) Lewmar hydraulic 4,000 lbs forward anchor windlasses (rebuilt 2014)

(1) Lewmar electric 3,000 lbs aft anchor capstan

Telescopic Steelhead model 5000 dinghy davit with 5,000 lb capacity (installed in 2014)

14' Wide Body Zodiac Open Pro 420 crew dinghy, with 50hp Yamaha (w/VHF, plotter/fish finder)

(2) Carl & Finch remote search lights

(1) deck flood light

Dual down riggers  
Dual outriggers  
(2) DBC 8person life rafts w/ hydrostatic release (new 2014)  
Pressure wash outlets on each deck  
Swim ladder – removable  
Port & Starboard built in swim ladder at stern

### **Electronics**

A new (2014) NMEA2000 system, providing navigational data and all engine diagnostics on two 24" LED computer screens in the wheelhouse and accessible remotely from smart phones and tablets throughout the boat (and also via Internet from any location).  
An Echopilot FLS3D forward looking sonar system with 3D display (a 100k installation completed in 2014)  
ComNav autopilot w/ remote  
Anschuetze gyro compass with repeaters (serviced 2014)  
8" Binnacle magnetic compass  
(2) Furuno black box systems with 3 screens at wheelhouse & one at flybridge  
Furuno navnet chart plotter  
Northstar 952xw color WAAS GPS/plotter  
(2) VHF radios with independent battery systems  
(4) handheld VHFFM radios  
ICOM M700 HFSSB radio with antenna tuner, weather fax, Sailmail email & Grib weather reports  
Navtex weather fax receiver  
Raymarine fog horn  
Wagner rudder angle indicator  
Furuno depth sounder with speed/log  
B&G depth sounders with repeater and alarm  
B&G windpoint and anemometer  
Raymarine log  
Quartz clock and barometer set  
Furuno network sounder  
5 ft. Seatel 500933 Linear Ku VSAT Dome Antenna installation, providing highspeed Internet and telephone service worldwide (a 150k installation, completed in 2014)  
An upgraded Panasonic PBX telephone system with intercom/SatTV/SatInternet/Cell/Fax  
A remotely PTZcontrolled, 13camera system (installed in 2014) provides owners with views of all main areas of the boat and her surroundings in reallife from any location in the world (also via iPhone, iPad, etc.) Inmarsat KVH F55 Fleet 24" dome system (installed as a backup system for redundancy)

### **Electrical System**

Generators:

1. Northern Lights 38 kW (2014) Hours  
4,300 date: 8/2015
2. Northern Lights 55 kW (2015) Hours  
1,200 date: 8/2015
3. Caterpillar 3304B 60 kW Hours  
21,000 date 8/2015

Two new generators feature sound proofing enclosures, additional custom mounts, and custom exhaust systems to virtually eliminate vibration. They are so quiet that one can conduct regular conversation next to the unit running at the maximum power setting.

2 generators keel cooled and dry stacked, new 38 kW is raw water cooled and wet exhaust

Battery system: 24 volts

(4) 8D house/emergency batteries (2015)

(2) 8D's per main and generator engines – All interlinked (2015)

(1) 8D at flybridge for emergency (2015)

(2) Spare 8D

Navigation lights: 24 volts to USCG rules

Shore power: 230 VAC from port and starboard,

(2) shore cords w/ glendenning

Battery chargers:

(2) Professional Mariner 40 amp 24 volt automatic,

(2) Newmar chargers

(2) AtSea shore power converters

### **Engine Room & Mechanical Equipment**

Caterpillar 3406 B – TA 550 HP de-rated to 310 HP at 1,200 RPM. Both mains have been overhauled and upgraded and now have 1,760 hours; with the recent upgrades, ROSA burns 16 G/h at 9 kts., including a generator. The main engines and two large generators are dry stack exhaust system systems and keel cooled Main Engines soft mounts redone and exhaust supports move off overheads in 2014

Propellers: 5 blade 40"

Kobelt air shift controls

Twin disk 3:1 reduction gear transmissions w/ trolley pumps (complete rebuild 2011/2012)

Naiad hydraulic stabilizers (rebuilt in 2011)

HEM watermaker w/ UV filter – 2,000 gpd (upgraded 2015)

Sea Recovery watermaker w/ UV filter – 1,800 gpd (upgraded 2015)

Hydraulic pumps on two generators

Marine Air central chiller 3stage

air conditioning (overhauled with all new compressors installed in 2015)

Fresh water cooling system keel coolers

Portable Numatic pump integrated oil change system (serviced 2014)

Alfa Laval fuel separator w/ prefilter (serviced 2014)

Headhunter sewage treatment system (serviced 2014)

FM200 fire system in engine room w/ new Honeywell alarm system (2015)

All valves, seacocks and raw water plumbing rebuilt (2014)

(2) 110v emergency bilge/fire pumps (serviced 2014)

(2) 24v emergency bilge/fire pumps (serviced 2014)

Hand emergency bilge pumps

Browning air compressor, fills 4 tanks simultaneously (serviced 2014)

Engine room lighting replaced with LED in 2014 (when the entire boat was switched 100% to dimmable LED)

Oil spill kit w/ boom

Numerous spare parts and tools

### **Tankage**

Fuel: 10,300 gallons

Fresh Water: 1400 gallons

Lube oil tank: 250 gallons

Waste oil tank: 500 gallons

(6) Water ballast tanks



## **Upgrades**

Upgrades and work done 2017

Hull

- 1)Bottom Paint
- 2)Pull shafts
- 3)pull couplings and reface
- 4)pull rudders
- 5)replace strut bearing
- 6)remove and replace packing in glands
- 7)cut, remove, and replace distressed aluminum in shaft alley

CAT 3406

- 1)replace both heads with CAT remanufactured heads
- 2)remove and service injector pumps
- 3)remove and replace all injectors
- 4)remove and replace port #6 cylinder liner

Generators, 70kw, 55kw, 38kw

- 1) remove and replace with new 38kw Northernlights generator
- 2)remove and replace with new 70kw CAT electrical end.
- 3)service injector pump and injectors on 55kw NL
- 4)replace belt, and fresh water pump on 55kw

Crane full service all hoses replaced.

Replaced both washing machines

Replaced computer monitor on bridge

Replaced B&G master head unit.

Direct TV boxes upgraded to HD

Headhunter waste water treatment system updated and upgraded

## **Extensive Upgrades done in 2014**

Items done at Marine Group Boat Works (MGBW) in San Diego:

1. Stabilizers: Two new 26/21,000 lb. Seakeepers (gyro stabilizers) installed, independent from each other. Note that the previous finbased Naiad system has been overhauled by Naiad and was left in for redundancy (now ROSA has 3 independent stabilization systems). Installation was done at MGBW
2. Thanks to the Seakeepers Zero speed, ROSA is perhaps the most laterally stable yacht we have ever been on; the total capacity of these Seakeepers is factory recommended for a boat of a much bigger size. Specifically, each of these large units is designed for boats in the 80'100' range; ROSA has two of them installed. Even with only one gyro stabilizer unit running, which is all that is necessary in any but rough seas, ROSA practically does not have any lateral roll. This was a substantial investment but definitely worth it. Moreover, it is estimated that the drag of traditional finbased stabilizers accounts for 10% of fuel consumption underway (source: Nordhavn 120 data); for ROSA that drag is nonexistent and Seakeepers use only 800W)
3. A new bulbous bow installed (designed by Patrick Bray); ROSA has now LOL=LOA=90'.
4. A set of bifoils (fins) installed under propellers and rudders (with reinforced skegs) for shallow water propeller protection and additionally increased longitudinal stability.



5. Remounting all the engines (new cushion systems designed specifically for ROSA by Soundown installed to further control noise and vibration).
6. Also, remounting all exhaust lines to limit transfer of noise and vibration to the hull. New, extrapadded cover on the (one) legacy CAT generator (left for additional redundancy as the 3rd generator on ROSA) and padding of all exhaust lines.
7. The top (boat) deck extended aft by 15 ft. to cover the master cabin deck. Now ROSA is one of the few yachts with a large, private, covered deck accessible directly from the Master.
8. The boat deck widened on both sides all the way to the bow to cover the side walkways.
9. Upper deck rails around master deck replaced by solid bulwark.
10. All rails on ROSA replaced with polished but maintenance free aluminum
11. A brand-new Steelhead 5,000 lb. crane installed (+ with structural enhancements).
12. A utility Zodiac Bayrunner 14' (50 hp Yamaha); jet ski (Yamaha Cruiser, 175 hp)
13. Two new, quiet, fuel-efficient Northern Lights generators installed (55 kW and 38 kW); the third (legacy) generator a CAT, 60 kW was left in for extra redundancy – surveyed, serviced (perfect compression, etc.).
14. The two CAT 3406 mains have been overhauled and zero-timed in 2012, and thoroughly surveyed and serviced in 2014; they are quiet, especially after rehangs, and very fuel-efficient.
15. A brand new fire suppression system installed.
16. Pantograph transom door and stairs to dive shop and new dive shop arrangements installed.
17. Line cutters on shafts and stabilizer fins. 18. Extra 20k lb. of lead ballast installed down below for increased comfort and stability, still can supplement it with water ballast and trim as needed.
19. All tanks overhauled; grey, black, and fresh water tanks resurfaced, any even slight signs of intank corrosion on walls replaced.
20. Ultrasound test of the entire hull, did not reveal any (even residual) hull corrosion.
21. All new seacocks.
22. \$150k+ of new electronics upgrades (e.g., a forward looking sonar installation with a 3D display, a new NMEA2000 system, accessible from smart phones remotely).
23. A \$150k+ Internet dish with a network, remotely accessible 18camera system, new sat phone system in all cabins.
24. Not only all cameras, but also all boat systems and diagnostics can be accessed via satellite on any cell phone.
25. Flow-scans on all 5 engines (all networked via NMEA200, and Internet enabled)

26. EXTERIOR ALL REDONE. A major makeover of the entire exterior; the entire boat was stripped down from top to bottom, primed and repainted (all work done in the US – at MGBW in San Diego).
27. All decks have been completely redone with new base and completely new teak on all decks (done and warrantied by Teak Deck Systems, Inc.).
28. Powder coated rails replaced by polished (coated and practically maintenance-free, as shown after an 8 month test).
29. All door lock hardware, hinges, etc., replaced or overhauled and re-polished, etc.
30. A major overhaul of the entire AC system (Marine Air triple chiller installed in 2012, all exchangers replaced as needed; all ducts redone and lines re-insulated, 2014).
31. INTERIOR ALL REDONE. A major makeover of the entire interior: All carpet floors replaced by Brazilian jatoba floors, new furniture, appointments, two side rails on all stairs inside and outside; remote electric blinds, all lighting changed to dimmable LED's, improvements to the plumbing, water heating, fixtures. New upholstery throughout (distressed) leather on all seats and settees, "1920-style" non glossy décor throughout ROSA. All new TV's (4k), refrigerators, freezers, new arrangement in crew quarters, upgraded all mattresses, and more.
32. 2nd master bathroom with external access door and Calcutta Sepia marble.
33. Carbon fiber gangway.
34. Countless, countless other enhancements. 34. New AC compressors August 12, 2015

### Remarks

Rosa's enormous volume puts her in the comfort class of displacement motor yachts well over 100 feet (30m). This serious world class Explorer yacht had an extensive 2014/15 refit during which the vessel was completely updated and serviced, including new generators, new Seakeeper zero speed stabilizers, new updated bulb, complete repaint and extensively more work totaling over \$2.5m

She has taken her five Owners and their families over 50,000 ocean miles on her own hull, from the Med to New Zealand and back to the West Coast. Rosa has over a 5000 mile range at an economical fuel burn of 16 gallons an hour at 9 knots, she is as efficient and seaworthy as any vessel in her class.

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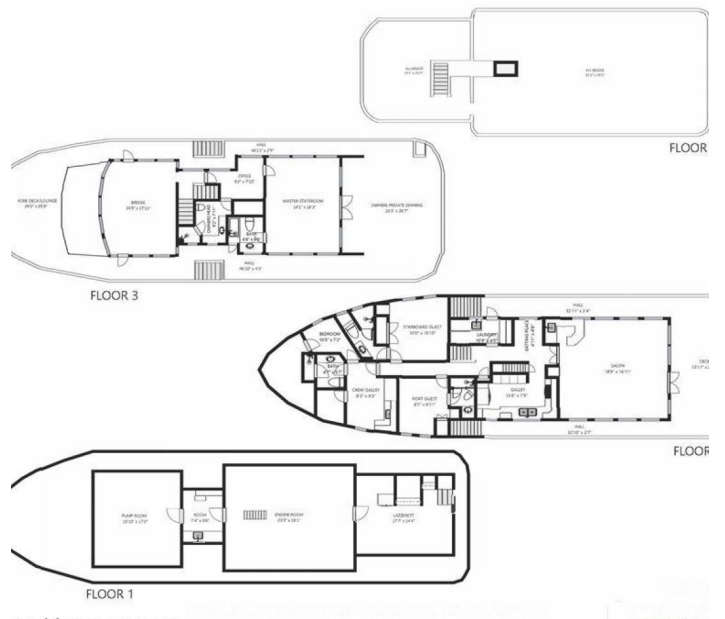
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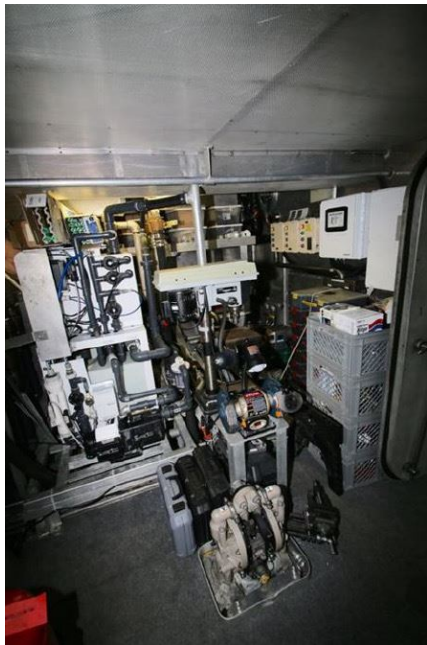






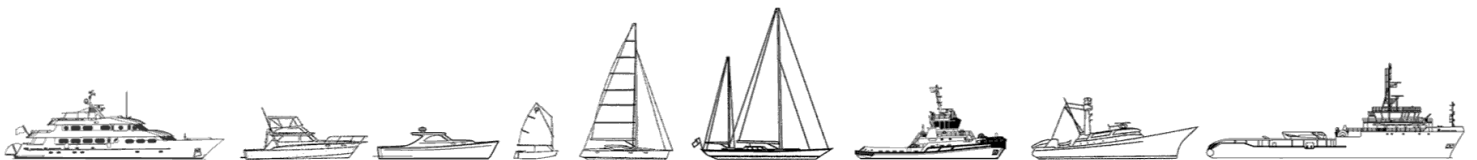








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