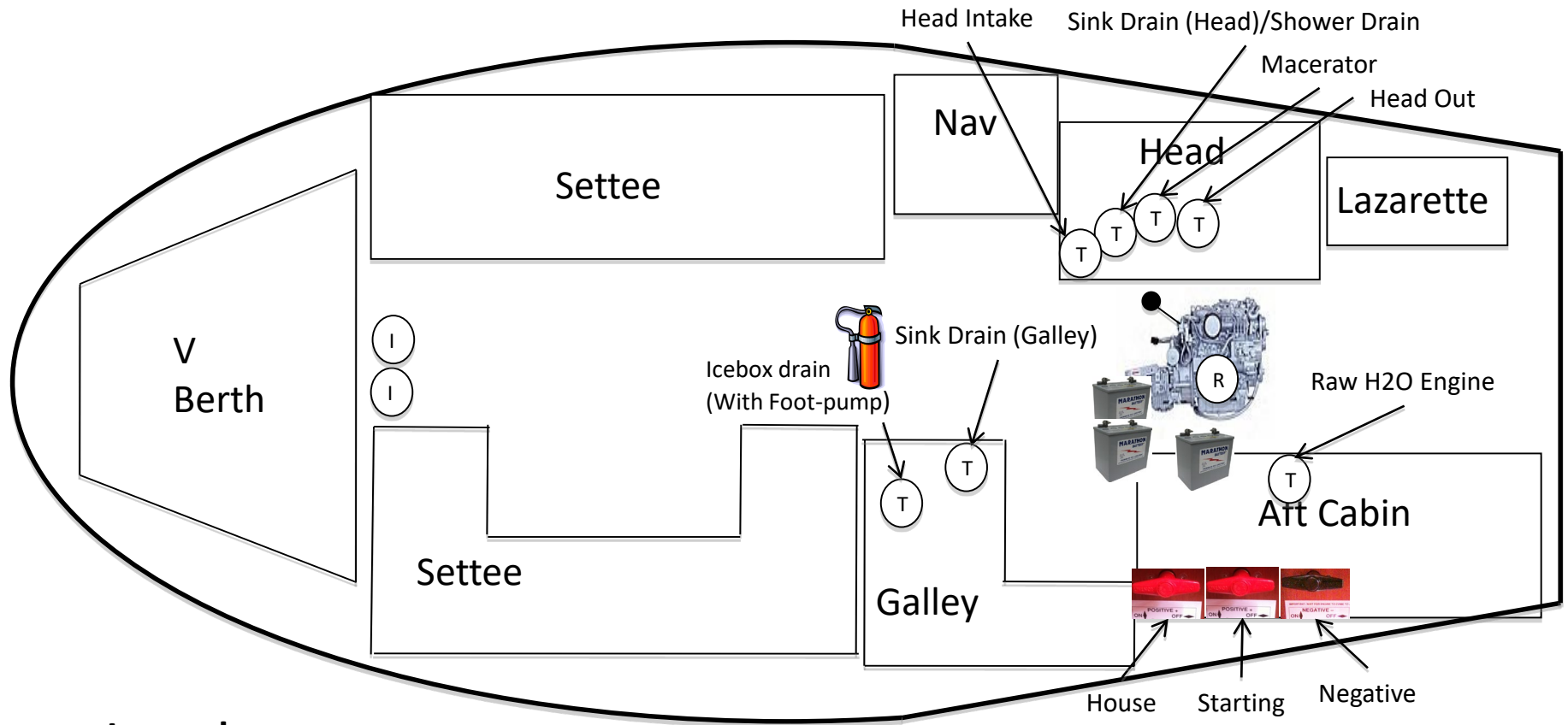


# 3104 *Megalina* Beneteau 31



## Legend



Engine



Radiator Fill



Battery Switch (Pos)



Oil Dipstick



Thru Hull With Seacock



Battery Switch (Neg)



Emergency Tiller



Battery

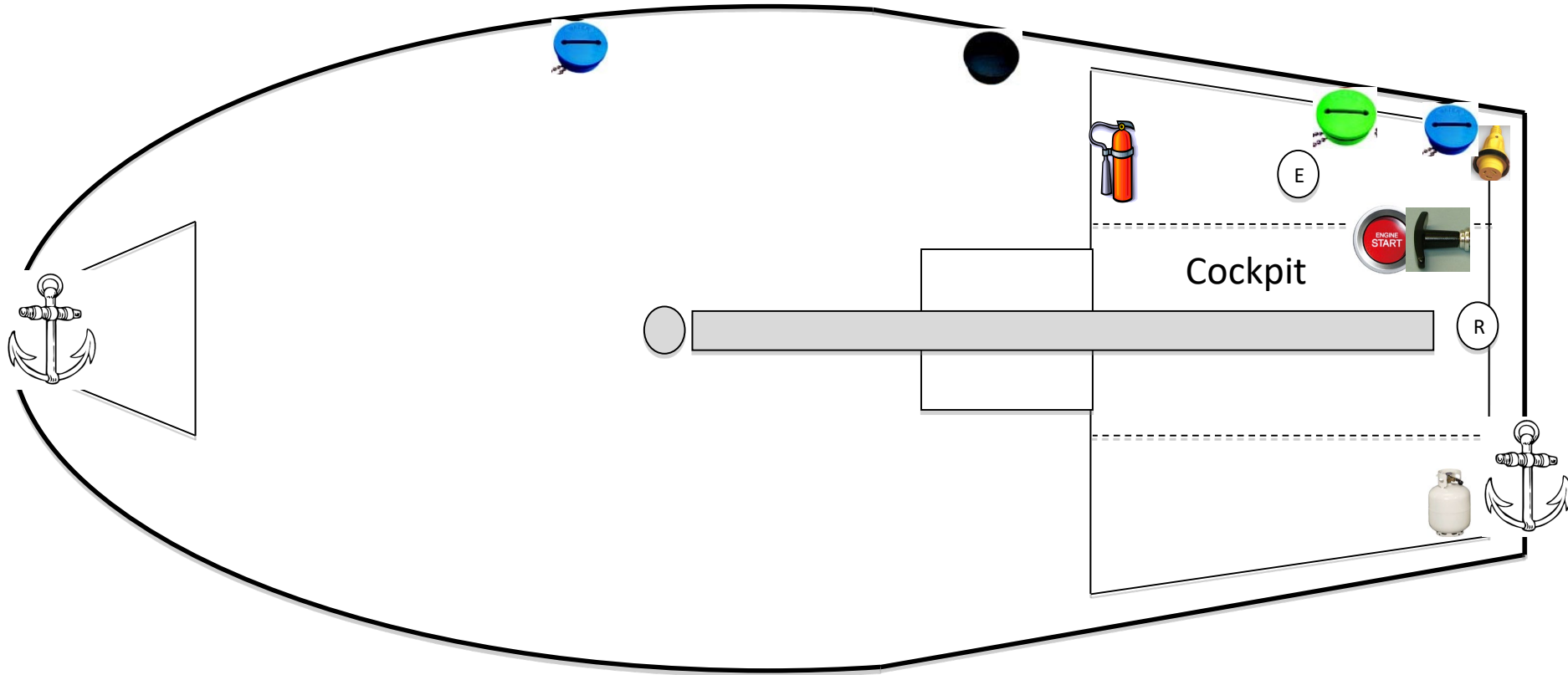


Instrument Thru Hulls


## Notes

1. Pics for battery switches
2. Padlock on lazarette

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## Legend


 R Rudderpost

 AC Power cord


 Anchor

 Fire Extinguisher


 Deck Fill – Diesel


 Deck Fill – Waste

 Engine Kill

 E Emergency Tiller

 Deck Fill – Water

 Propane / CNG

 Engine Start

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<p><b>Documentation</b></p>	<p>Megalina is a USCG documented vessel. The Official No. is 1231229 and can be found permanently affixed under the combing in the starboard cockpit lazarette.</p> <p>Oil Discharge and Garbage Disposal placards are located affixed to the underside of the starboard lazarette lid.</p>
<p><b>Engine</b></p>	<p>Engine type: Yanmar 3YM20          Working RPM _____ MAX RPM _____          3 blade fixed prop</p> <p>Engine hours can be read on the engine hours meter located at the navigation station, between the VHF and stereo.</p> <p>The engine compartment on Megalina is accessed by lifting the companionway ladder.</p> <p>The oil dip stick is at the front of the engine, on the left as you face it.</p> <p>The coolant reserve is on the “wall” on the right as you face the engine. The coolant level should be between the low and full marks. There is no need to remove the pressure cap on the coolant tank if the reserve tank contains sufficient coolant.</p> <p>There are two belts to check on Megalina.</p>
<p><b>Fuel Gauge</b></p>	<p>The fuel gauge is located on the breaker panel, combined with water tank and battery gauges. Megalina holds 34 gallons of fuel when full.</p>
<p><b>Engine Start Up and Shut Down</b></p>	<p><b>Start Up</b>          The black DC Common and Battery 1 must be in the on position. Generally Battery 2 should be on also to provide instruments, VHF, etc.</p> <p>The key ignition key is located on the starboard side of the cockpit. Turning the key to the run position with result is a warning buzzer.</p> <p>A pre heat is not required (nor is one available). Turn the key past run to the Start position to start the engine. Release the key and it will automatically return to the run position. The warning buzzer should go off within a few seconds.</p> <p><b>Shut Down</b>          The ignition key must be in the run position to shut down the engine. Shut down is accomplished by pushing the button on the ignition key panel. Once the engine shuts down, turn the key to off to silence the warning buzzer.</p>

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<b>Electrical System</b>	<p><b>AC and DC Break Panel is found over the navigation station to starboard.</b></p> <p><b>AC</b> The AC emergency breaker is located in the cockpit lazarette. The AC panel over the navigation station consists of three breakers.</p> <ul style="list-style-type: none"><li>• BATTERY CHARGER (Green dot)</li><li>• WATER HEATER</li><li>• OUTLETS (Green dot)</li><li>• There is no AC Main breaker on the the AC Panel. An emergency AC Breaker is located under the starboard settee, next to the navigation station. <b>DO NOT USE THIS BREAKER EXCEPT IN AN EMERGENCY.</b></li></ul> <p><b>NOTE:</b> All breakers except the water heater have green dots, and should be left on when the boat is secured at the dock. <b>DO NOT leave the water heater turned on.</b></p> <p><b>DC</b> The battery switches are located in the aft stateroom. The black handle is the “Common” or “Negative” terminal and must be on to energize the system.</p> <p>There are two red handles, labeled Battery 1 and Battery 2. Battery 1 is the engine starter battery. Battery 2 is the house bank, and is labeled Main. Battery 1 should be turned off when the engine is not going to be used (e.g. while at anchor overnight). Doing so will preserve electricity for the starter.</p> <p>A well labeled DC Panel is found below the AC Panel. The following are special notes regarding the DC Panel switches.</p> <ul style="list-style-type: none"><li>• There is one toggle switch on the DC Panel. The switch controls cabin lights, VHF, stereo, shower sump pump and the waste tank monitor gauge in the head.</li><li>• The Navigation switch turns on all binnacle instruments, including the chart plotter, depth, speed, and wind instruments.</li><li>• The bilge pump is a 3 position switch that should be left in the automatic mode. This switch is marked with a green dot.</li><li>• The SensaTank monitor in the head is only connected to the waste tank.</li></ul>
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<p><b>Thru Hulls</b></p>	<p>There are nine below water thru-hulls on Megalina, seven of which have sea cocks, and are well labeled.</p> <ul style="list-style-type: none"> <li>• Two instrument thru-hulls are located under floorboards aft of the v-berth bulkhead.</li> <li>• Four thru-hulls with sea cocks are located under the sink in the head.             <ul style="list-style-type: none"> <li>○ Head Intake</li> <li>○ Shower/Sink Drain                 <ul style="list-style-type: none"> <li>▪ The button to operate the shower sump pump is in the head, on the right side of the sink cabinet.</li> </ul> </li> <li>○ Macerator (DO NOT USE)</li> <li>○ Head Out (DO NOT USE)</li> </ul> </li> <li>• Two thru-hulls with sea cocks are found under the galley sink, and can be located by opening the lower hatch on the starboard side of the sink pedestal.             <ul style="list-style-type: none"> <li>○ Galley sink drain</li> <li>○ Icebox drain (this drain is operated using the foot pedal at the base of the galley sink cabinet.</li> </ul> </li> <li>• One thru-hull with sea cocks are found under the aft stateroom mattress.             <ul style="list-style-type: none"> <li>○ Raw water engine intake (MUST REMAIN OPEN)</li> </ul> </li> </ul>
<p><b>Head(s)</b></p>	<p>There is one manual operation head on Megalina. Fresh water from the head sink may be used to flush the toilet and/or waste line to the holding tank.</p>
<p><b>Fresh Water System</b></p>	<p>There are two fresh water tanks in Megalina, with a total of 64 gallons when full. The hot water heater and manifold to switch tanks is under the port side settee.</p>

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<p><b>Anchor and Ground Tackle</b></p>	<p><b>Primary Anchor</b> A 13 lb Danforth style primary anchor, with a combination chair/nylon rode is mounted in a bow roller.</p> <p><b>Secondary Anchor</b> A 13 lb Danforth style secondary anchor, with a combination chair/nylon rode is mounted on the stern pulpit to port</p> <p><b>Kellet/Sentinel</b> A kellet with sentinel is stowed in the cockpit lazarette.</p>
<p><b>Draft / keel type</b></p>	<p>Megalina draws 6’ and has a fin keel with a bulb.</p>
<p><b>Refrigeration</b></p>	<p>There is a refrigerator/ice box on Megalina. The system is turned on at the DC Panel. The temperature control is found inside the refrigerator unit.</p> <p>Pump out of the Ice Box is accomplished using the foot pump on the side of the sink.</p> <p>Leave the refrigerator/ice box lid open when securing the boat.</p>
<p><b>Stove</b></p>	<p>There is a gimbale, two burner stove/oven combination. It takes approximately 15 minutes for the oven to reach 350 degrees.</p> <p>Propane is located in a locker found in the aft/port lazarette. The LP GAS switch is found on the DC Panel.</p>
<p><b>Barbeque</b></p>	<p>The BBQ is located on the stern pulpit on the starboard side. This BBQ operates using the small green “Coleman” style propane tanks. You must supply your own propane .</p>
<p><b>Running Rigging</b></p>	<p><b>Mainsail</b> Megalina has a flaked mainsail, with lazy jacks and a stack pack.</p> <p>The main halyard, main sheet, reef lines, and the vang line run through a clutch assembly to port of the companionway entrance.</p> <ul style="list-style-type: none"> <li>• Megalina is set up with two reefs. Each reef is accomplished by using a single line.</li> <li>• When hoisting the main, both reef line clutches should be open, and the lines should be free of any knots and/or coils.</li> </ul> <p><b>When leaving the boat please leave lines hand tight only (main sheet/vang/topping lift)</b></p> <p><b>Jib</b> There is a 90% roller furled jib.</p>