

Latitude 49



Our Most Advanced Passagemaker Is Waiting For You!

Evolving from Owner input, taking all our experience with the Karvi 47 and the Cape Scott 85, we offer the next level of Passagemaker—the **Latitude 49**.

You told us what else you wanted to see on your cruising yacht, and we listened. As well as enhancing the interior spaces, we re-developed the technical side of the boat. We took our hull shape back to the test tank, and further enhanced the performance and seakeeping capabilities of the vessel, decreasing the resistance and pitching motion to an unparalleled 30% below the average, producing the most comfortable ride yet. Featuring an extended keel with a grounding shoe, drystack exhaust, keel cooling, and two spacious, comfortable queen size staterooms, this serious yacht takes you everywhere in style and safety.



GALLEY, GRANITE COUNTERS



DINETTE, SEATS 6 IN COMFORT



AFT MASTER STATEROOM WITH PEDESTAL QUEEN BERTH



FORWARD HEAD, SINK & COUNTER

L49



ENGINE ROOM, 6'3" HEADROOM



MAIN SALON, BOOKCASE & PANTRY



PILOT HOUSE SETTEE / SEA-BERTH & TABLE

5 year hull and deck warrantee
Payments are held in trust and released when work is approved by an independent surveyor
Flexible layout allows; full width main cabin or offset house with side deck
 3 flybridge layouts
 3 fore peak arrangements
 equipped from standard to coastal to offshore ready
Good visibility from both the Pilothouse and the flybridge
Good deck and dock access Port & Starboard from the Pilothouse or the Cockpit
Excellent dinghy access at water level
Excellent access to the swim platform
Superior dampened sea motion both pitching and rolling
Model tested super fuel-efficient hull form
Stability to 180 degrees, self-righting at all angles of heel
No major down flooding points
Watertight collision bulkhead forward with 2 additional watertight bulkheads
Structure designed to the ABS Rules for Unrestricted Offshore Vessels
Day tanks separate from fuel storage tanks
Grey water and waste holding tanks
Spacious interior larger than most 55 foot vessels
Main deck all on one level
Full standing, walk around engine room
Fully protected prop
Speed Nozzle for greater efficiency
Full length keel shoe
Large, spacious galley with lots of storage and full size fridge/freezer
Plenty of on deck storage
High bulwarks and handrails for protection on deck
Excellent access to the flybridge and boat deck
Very good maneuverability
Large freeing ports to clear water off decks
Spacious main salon
Three full size staterooms, two with standard queen size berths
Two large w.c.s with showers
Large pilothouse with settee/watch berth
Engine room and aft deck surveillance cameras
Foam cored hull and house for strength/stiffness, heat, and sound insulation
Bulbous bow for fuel efficiency and superior seakeeping
Wide spray knockers to keep water off the decks
Dry stack exhaust
Keel cooling
Fixed/active stabilizer fins dampen roll even at anchor
Ocean tested from Sitka, AK to San Francisco, CA
Beautiful cherry interior, Granite counters, and upholstered ceiling
6'-6" headroom through the boat
Super quiet - 59 decibels at idle, 68 db in Pilothouse at cruise

Comments on the “**Julie Kay**” and “**John W**” (predecessor of the Latitude 49)

“Just checking in. The **Julie Kay** is handling beautifully. The bulbous bow and fin design are giving us the smoothest ride ever.”

Julie Houston – aboard **Julie Kay** enroute to Ketchikan, Alaska.

“Tell me what was done to make the boat so quiet. When we were out on a demo run my sound meter showed 64 dB at the helm at 2000 rpm which I think is incredibly, amazingly quiet. In the saloon at the same speed it measured 70 dB, still very good.”

Bob Lane – Contributing writer to PassageMaker Magazine

“Our unvarnished opinion -- Tom and I think the world of **Julie Kay**. She's designed and built to cross oceans in style, while still providing a luxurious and spacious home upon arrival. What you might like to hear is that Tom and I have known the Bray Passagemaker since she was an enticing concept in Naval Architect Pat Bray's mind. Although we missed out on witnessing the tank trials and other developmental testing of the hull and Bray stabilizing keels, we have heard all about it from Pat and Caroline. Just wish we could have been there to see it all first hand!

Tom and I would feel comfortable taking **Julie Kay** anywhere and I find her fitting out to be superior to either of the boats we've recently taken thru the Panama Canal. Having been guests aboard for nearly 2 weeks, I can testify that her living accommodations are excellent, and give a feeling of complete privacy, a truly unique experience on a boat of that size! I've cooked in **Julie Kay's** galley and found it very commodious (I especially like that big pantry). I've done laundry aboard and been completely satisfied. Tom and I have attended a cocktail party of 5 couples and seen a smooth flow of traffic; we've participated in a dinner party of 3 couples and had plenty of room. And I've spent many hours coaching the real Julie on boat handling and docking skills aboard **Julie Kay**, finding **JK** an honest, dependable and predictable vessel. You can see that we're biased. However, we've been aboard many vessels, and seen none to compare with **Julie Kay**.”

Tom and Ann Caywood - Delivery Skippers/Trawler Trainers

“During the course of the trip we experienced 6 - 10' following and beam seas as well as 4' steep chop on the inland sounds. The vessel proved to provide a very stable platform in all conditions. Her displacement proved extremely beneficial as we headed into the steep chop of Albemarle Sound. There was no hesitation in forward headway or loss of speed as a result of this chop. Although we did not experience any extreme seas, for several days the seas were confused as a result of the hurricanes that we had been dodging. The **John W** was as much at home in these seas as she was running inland waters. Her large rudder, coupled with the positive affects of the speed nozzle and the bow thruster made tight quarter maneuvering as easy as any light displacement twin-screw express cruiser.

After logging more than a 1,000 miles in the **John W** several key points have remained with me. In addition to her stability and comfort at sea, the design of the engine made routine maintenance and inspections very easy.

In addition, the traditional pilot house design and layout made the operation of the yacht very easy. Whether in docking situations, or long offshore legs, the accessibility of the instrument panels and other communication tools was exceptional.”

Captain Dave Abt - Delivery Skipper

Latitude 49 Performance Predictions

Nov-02

LOA 48'-7" LWL 42'-4" BEAM 16'-0"
 DRAFT 5'-0" DISPL. 55,000

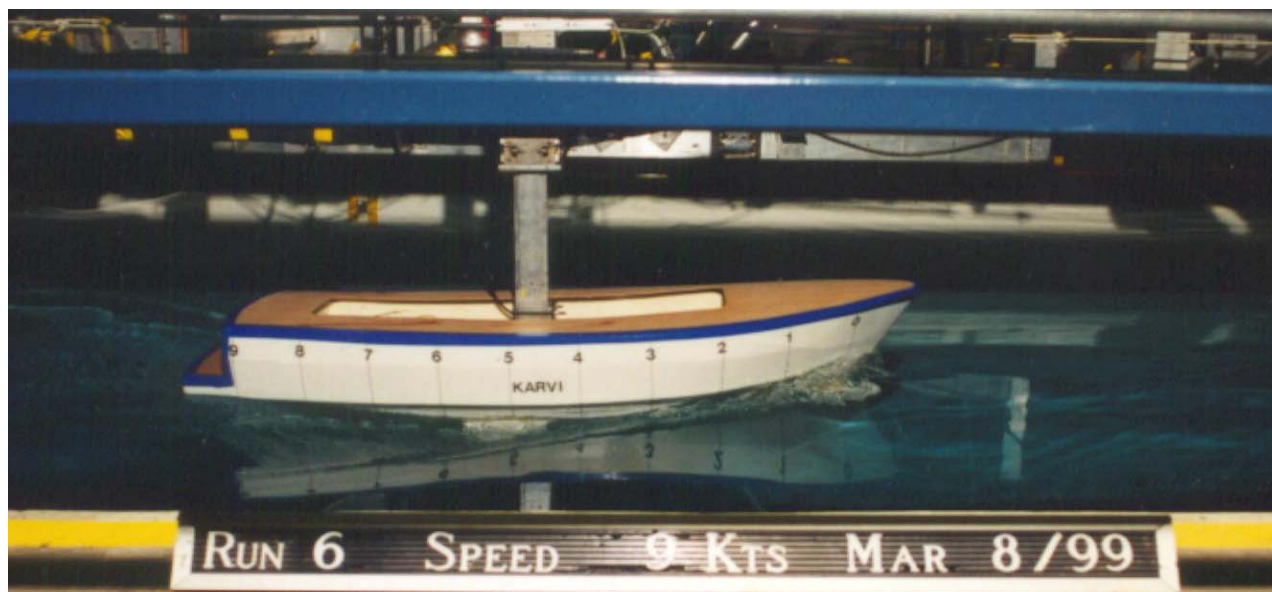
Fuel Capacity = 1200 US Gal.
 Engine = 300 HP

Speed	EHP	SHP	LBS/HP	GPH	Range	% HP	RPM	Miles/Gal
8	28	47	17.7	2.5	3867	15.6	700	3.22
9	51.5	86	32.6	4.6	2365	28.6	1250	1.97
10	98	163	62.1	8.7	1381	54.4	1400	1.15
11	165.5	276	104.8	14.7	900	91.9	1850	0.75
12	224	373	141.9	19.9	725	124.4	2300	0.60

Range is based on 100% usable fuel with no generator run time
 Speed and range are in nautical miles
 Based on BC Research model tested results
 No adjustment has been made for fuel burn/weight reduction.
 Fuel consumption based on standard performance curves

EHP = effective horse power
 SHP = shaft horse power

GPH = US gallons per hour
 PC = 0.6



BRAY YACHT DESIGN AND RESEARCH LTD.

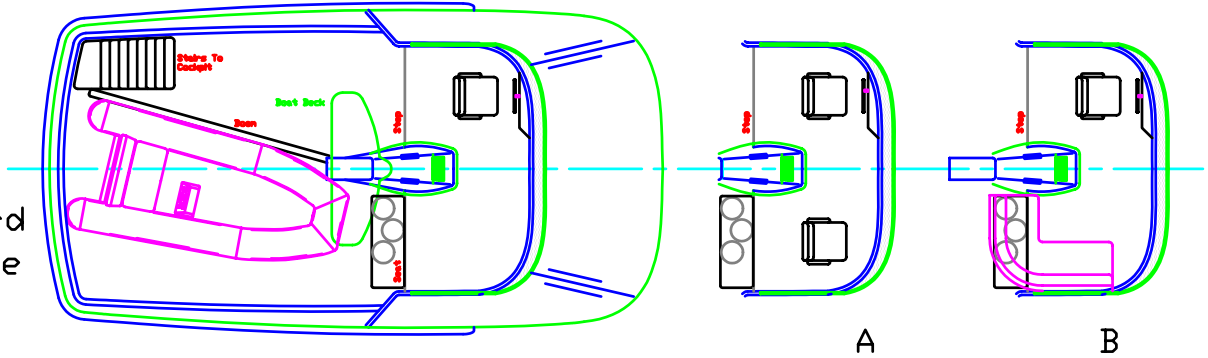
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	Std	Coastal	Offshore			Std	Coastal	Offshore
Equipment					Accommodation			
John Deere 300 hp diesel	X	X	X		Choice of forepeak layout		X	X
Dry stack exhaust, cowl muffler	X	X	X		Choice of mid-stateroom layout		X	X
3:1 Twin Disc gear box	X	X	X		Sealand Vacuum toilets	X	X	X
Heat and sound insulated engine room	X	X	X		Carpet or hardwood floor allowance	X	X	X
Engine room blower	X	X	X		Mattress, drapes, cushions allowance	X	X	X
2 Aluminium fuel tanks w/inspection hatches	X	X	X		Granite galley counter tops		X	X
On-tank site gauges	X	X	X		Granite w.c counter tops		X	X
Dual aluminum daytanks	X	X	X		Mirrored wall and overhead in WC		X	X
Remote tank monitors for all tanks	X	X	X		Dual galley sinks	X	X	X
Fuel transfer pump	X	X	X		17 cu. ft. Maytag fridge/freezer	X	X	X
Dual Racor filters w/flow scan monitor	X	X	X		Force 10 propane stove	X	X	X
New and used oil tanks	X	X	X		Custom stove vent	X	X	X
Integral 100 gal. grey water tank	X	X	X		Propane sniffer system	X	X	X
Integral 100 gal. waste tank	X	X	X		Panasonic microwave		X	X
Integral seachest for intake water	X	X	X		Braun trash compactor OR dishwasher			X
Heating/air-conditioning independent system			X		Insinkerator		X	X
Heating/engine hot water heating system	X	X	X		Chest freezer			X
30 gallon hot water heater	X	X	X		Washer/Dryer			X
250 gal. S. S. water tank w/inspection hatch	X	X	X		Cherry paneling throughout	X	X	X
Alarm system (fire, flooding, engine)	X	X	X		Padded Majilite ceiling	X	X	X
Rule bilge pumps	X	X	X		Folding coffee table		X	X
Emergency engine driven bilge pump		X	X		Folding PH table		X	X
Fire fighting system		X	X		Hi/low salon table		X	X
12 kw John Deere genset			X		Hafele latches on all doors and drawers	X	X	X
Hydraulic come home system			X		TV, DVD, Music system allowance	X	X	X
400 gal. watermaker		X	X		Smoke detector system	X	X	X
3 phone jacks	X	X	X		3 Integrated computer ports		X	X
2 location surveillance system		X	X		110 V outlets throughout	X	X	X
PH mounted surveillance monitor		X	X		Tempered glass shower doors		X	X
6 man valise liferaft kit		X	X		Telephone shower heads w/mixer taps	X	X	X
4 fire extinguishers	X	X	X		Hull			
11'-6" RIB with 25 hp outboard		X	X		5/8" cored FRP hull	X	X	X
4 docklines, bell and bracket	X	X	X		Vinylester paint	X	X	X
75# CQR w/150' 3/8" galv. Chain	X	X	X		2 watertight bulkheads	X	X	X
110# Bruce anchor w/150' 3/8" galv. Chain			X		Collision bulkhead	X	X	X
30" Life ring	X	X	X		Bulbous bow	X	X	X
Dual horizontal Muir windlass: electric	X				Passive Bray anti-roll keels	X	X	
hydraulic		X	X		Passive/Active Bray anti-roll keels			X
Glendenning power cord storage system		X	X		Stainless steel speed nozzle	X	X	X
75' 50 amp power cord		X	X		15" bow thruster: electric	X		
120 amp Davidson alternator	X	X	X		hydraulic		X	X
2500 watt Trace inverter	X	X	X		1" thick steel shoe full length of keel	X	X	X
800 amp house battery system	X	X	X		Choice of hull color		X	X
40 amp engine start system	X	X	X		Choice of striping colors		X	X
Engine room main electrical panel	X	X	X		6 hawse holes and cleats	X	X	X
PH auxiliary electrical switchboard	X	X	X		Main Engine keel cooling	X	X	X
4 indoor stereo speakers	X	X	X		32" dia. Skewed prop	X	X	X
2 outdoor stereo speakers	X	X	X		2 1/2" dia ss prop shaft	X	X	X
Rudder angle indicator	X	X	X		Stainless steel rub strake	X	X	X
15" flat screen monitor	X	X	X		Stainless steel anchor chafing plate	X	X	X
TV antenna	X	X	X		Stainless steel dual anchor roller	X	X	X
VHF radio	X	X	X		Superstructure			
PH computer, w/cordless keyboard & mouse	X	X	X		1/2" cored FRP hull	X	X	X
GPS	X	X	X		Engine removal hatch	X	X	X
48 mile Furuno open scanner radar		X	X		Aluminium stack with lifting boom	X	X	X
Air Horn	X	X	X		electric lifting winch	X		
Robertson autopilot	X	X	X		hydraulic lifting winch		X	X
Intercom system (4 location)		X	X		Choice of flybridge layout		X	X
Ground Plate	X	X	X		Propane tanks and enclosure	X	X	X
75' TV cable	X	X	X		Bimini top			X
75' phone cable	X	X	X		Flybridge windshield	X	X	X
Search light	X	X	X		Dinghy chocks		X	X
MMC engine controls	X	X	X		Cockpit seat with storage	X	X	X
3 wipers with washers	X	X	X		Cockpit sink and BBQ		X	X
3 PH window defrosters	X	X	X		Cockpit shower/FW washdown			X
6" compass	X	X	X		Fore deck washdown			X
Hynautics steering	X	X	X		Alum. weathertight salon door	X	X	X
Stainless steel rudder	X	X	X		Alum. weathertight Dutch PH door		X	X
Emergency steering tiller	X	X	X		Alum. framed tempered glass windows	X	X	X
Royal City helm seat	X	X	X		P&S Salon split sliding window		X	X

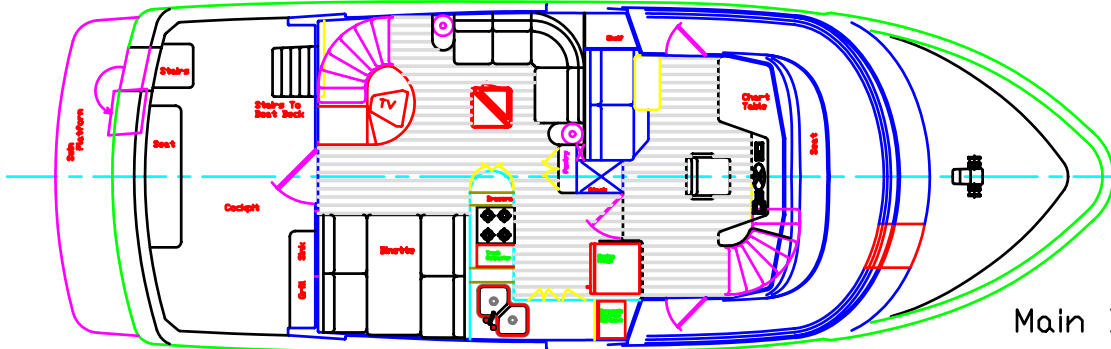
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Full Width Main Cabin

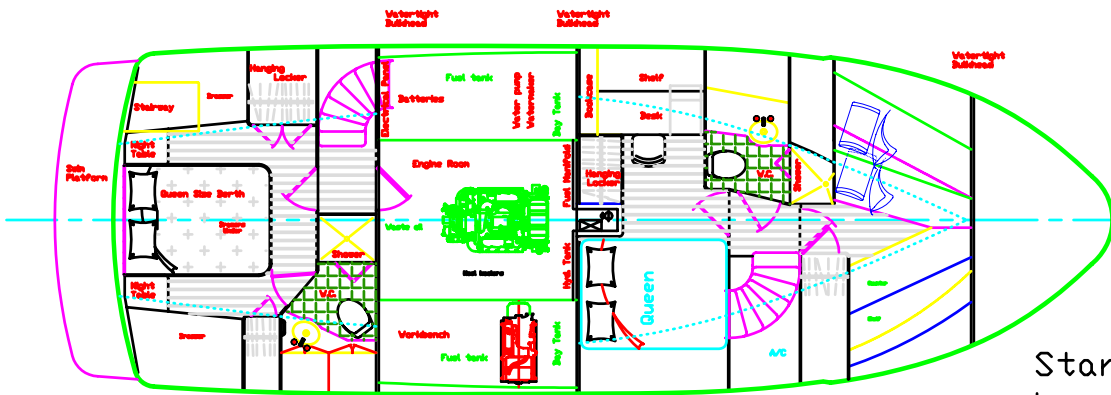
Standard Flybridge



Main Deck

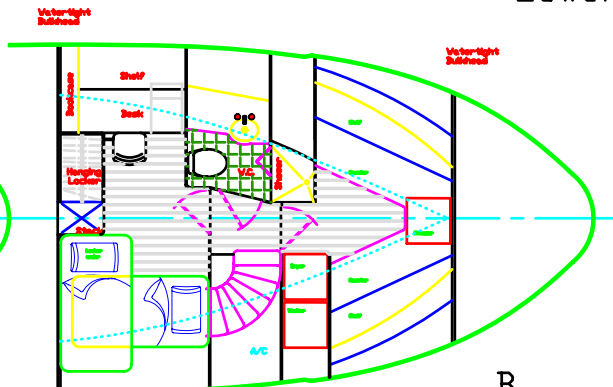
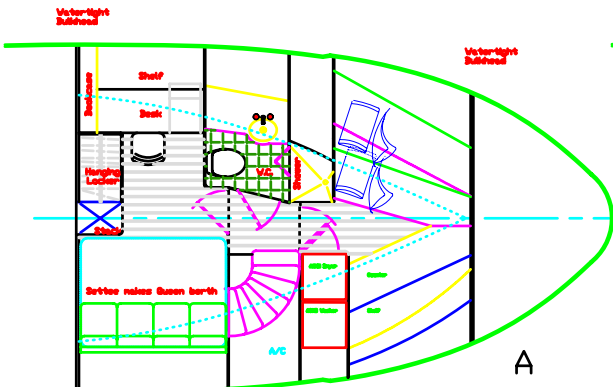


Standard Lower Deck



A

B



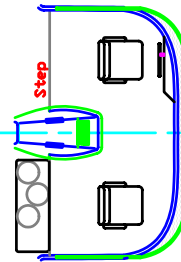
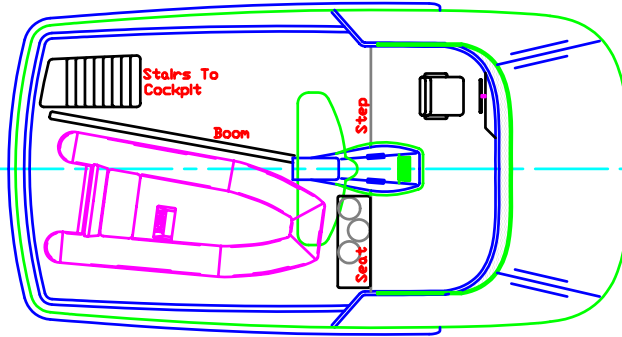
Accommodation

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 37' x 12'
 12' x 12'
 12' x 12' (aft)
 12' x 12' (fore)

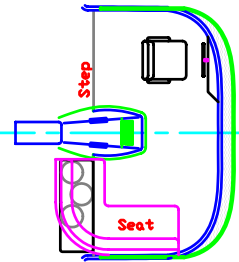
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Offset House

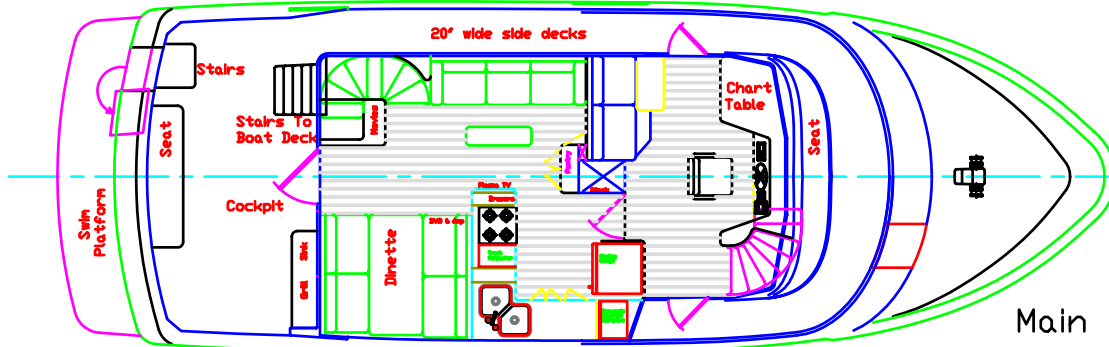
Standard Flybridge



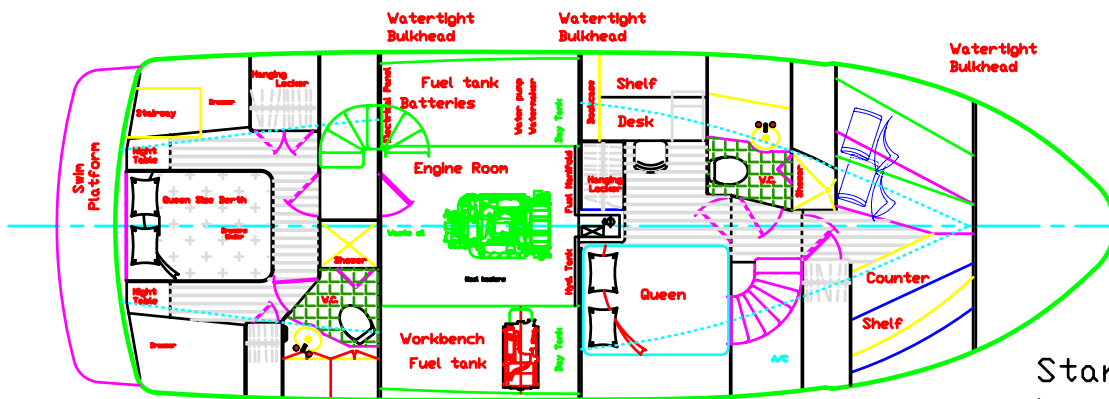
A



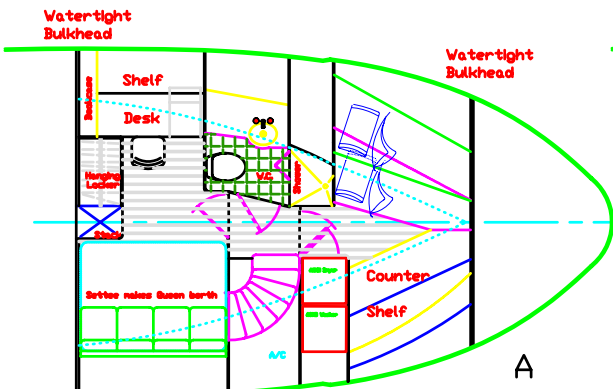
B



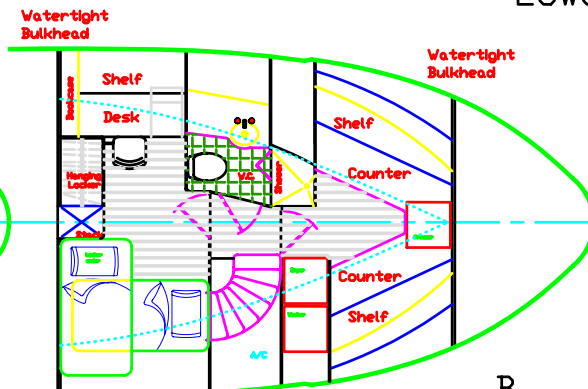
Main Deck



Standard Lower Deck



A



B

Accommodation

Latitude 49
 37' x 42'
 12' 6" deep
 10' 6" deep
 10' 6" deep
 10' 6" deep

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 BRAY YACHT DESIGN
 AND RESEARCH
 WHITE BECK, BC, CANADA