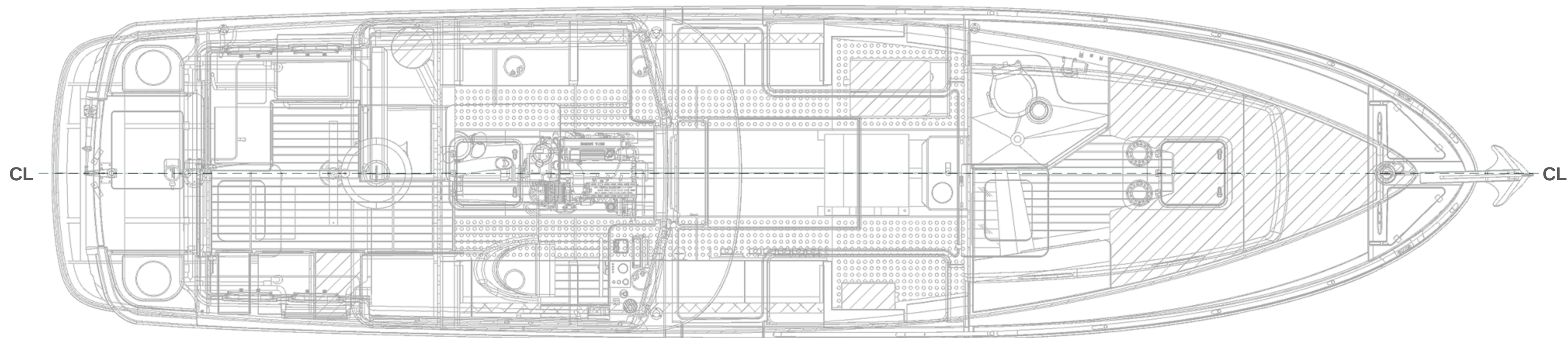
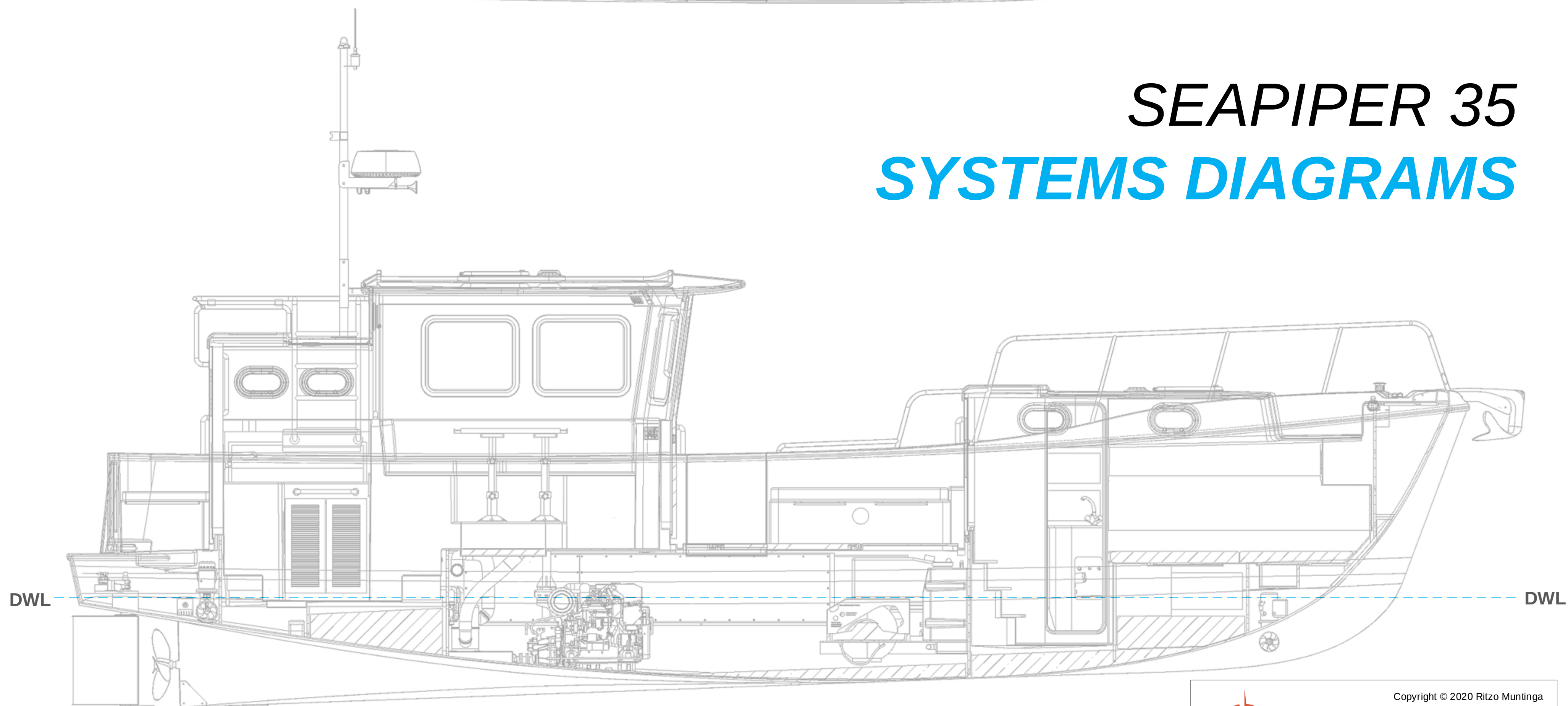


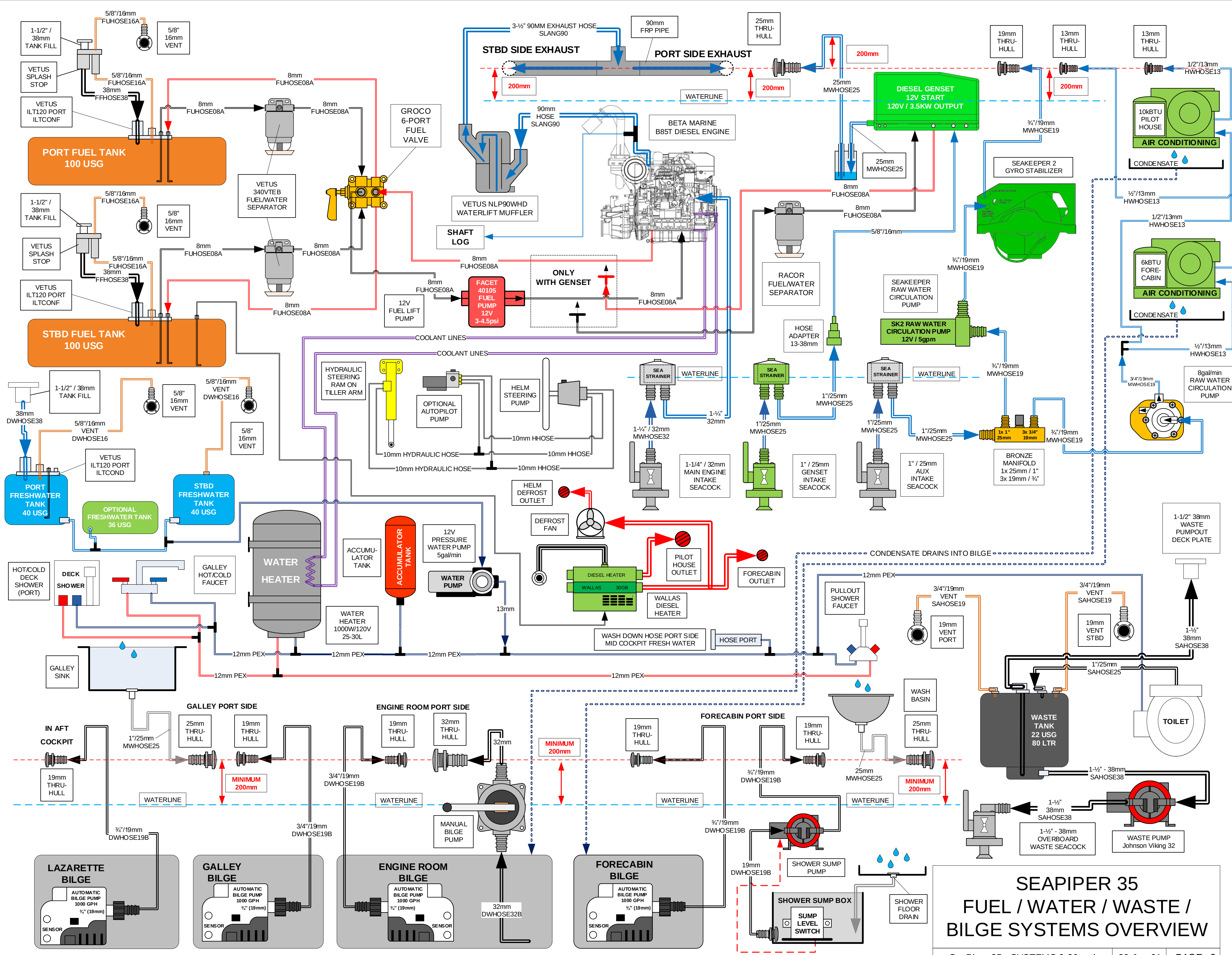


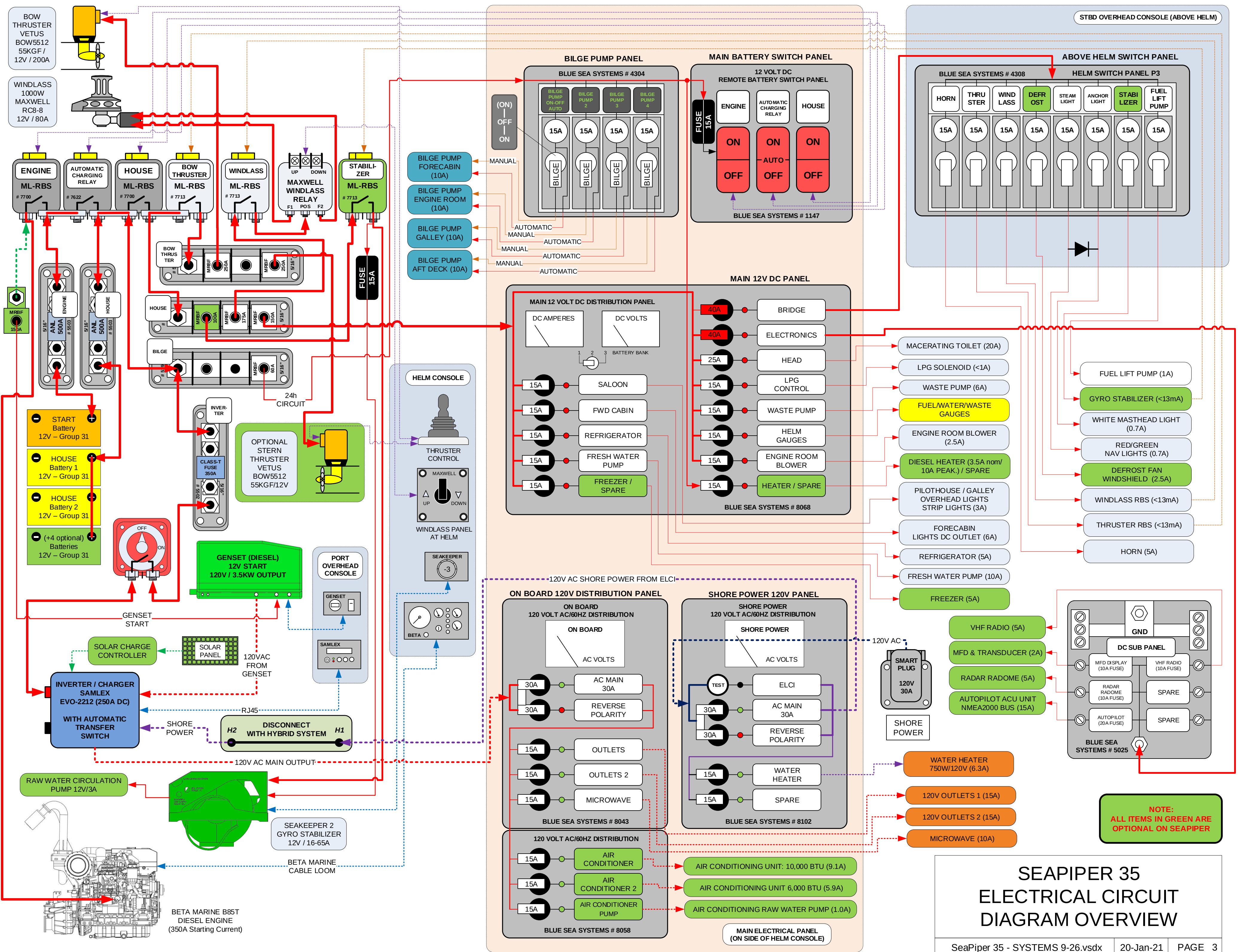
SEAPIPER 35

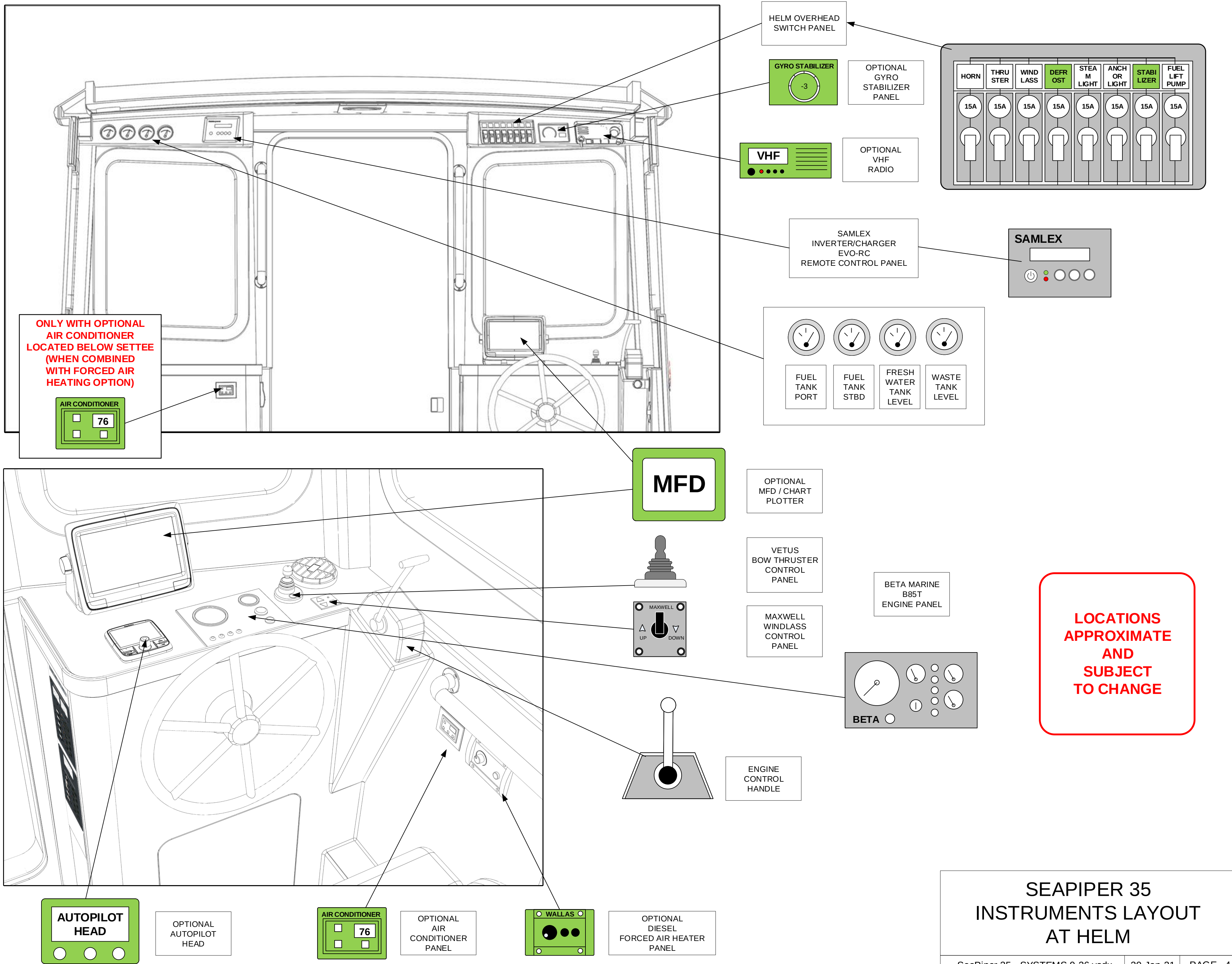
SYSTEMS DIAGRAMS

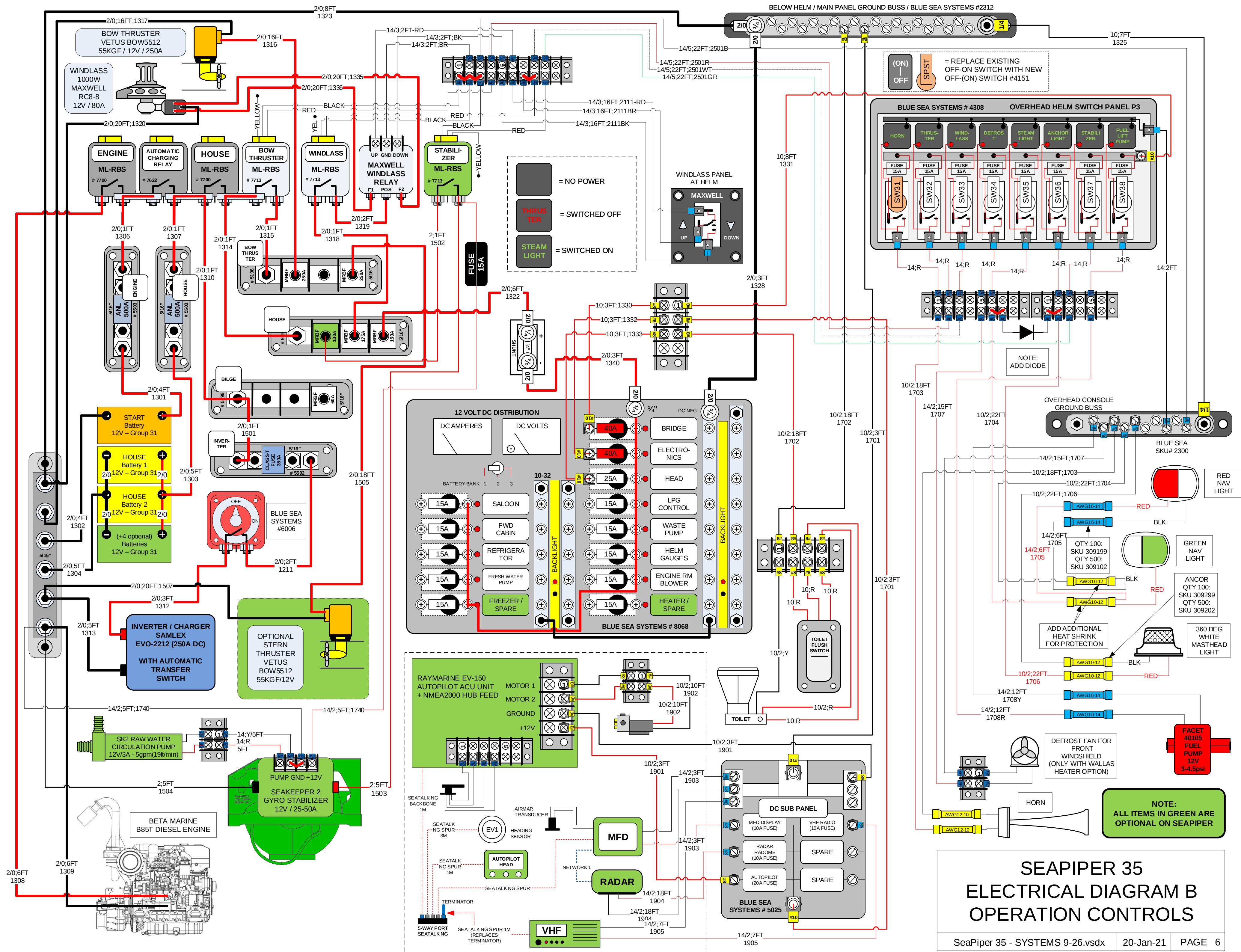


SEAPIPER RESERVES THE RIGHT TO MAKE CHANGES TO SPECIFICATIONS, DESIGN, SYSTEMS LAYOUT AND INSTALLED EQUIPMENT WITHOUT ANY NOTIFICATION



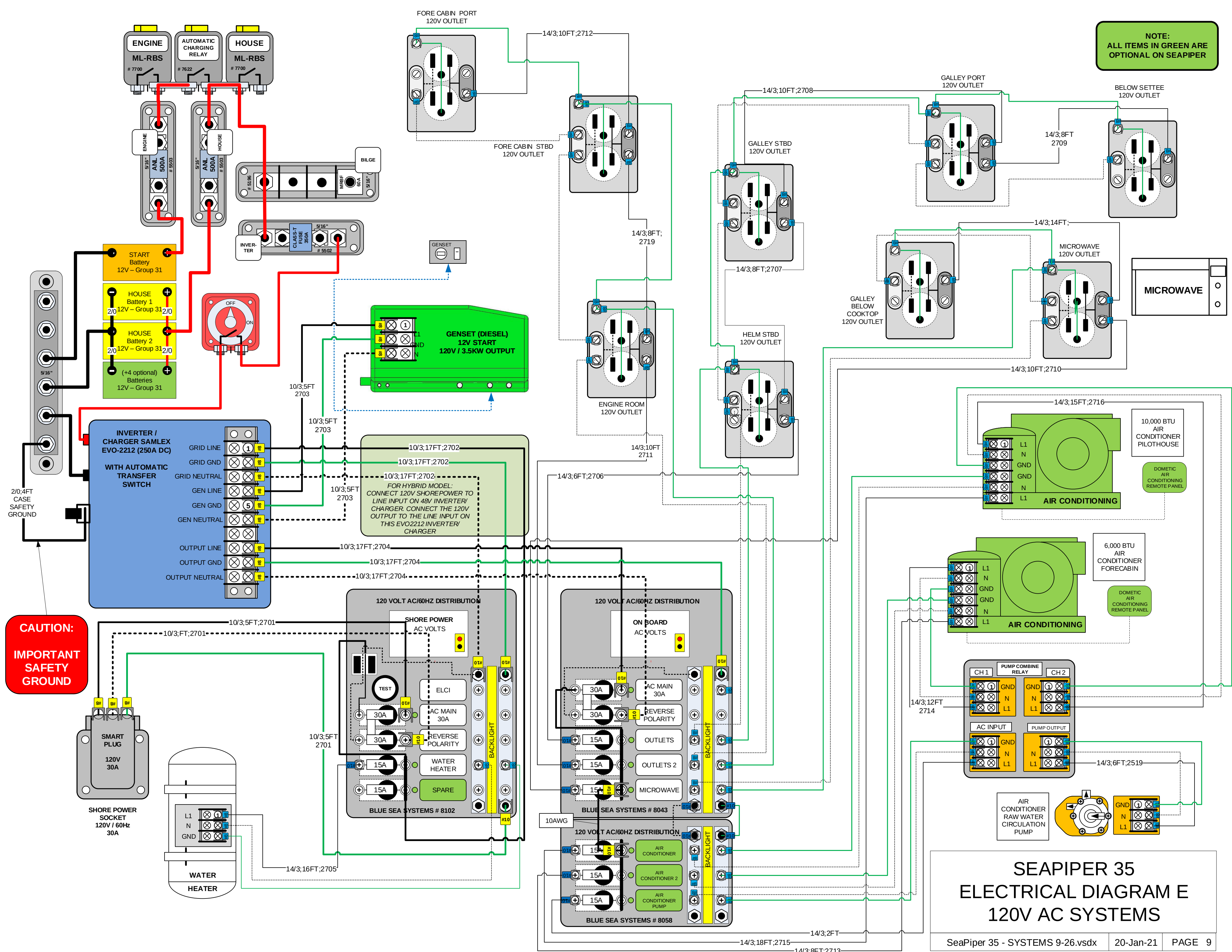




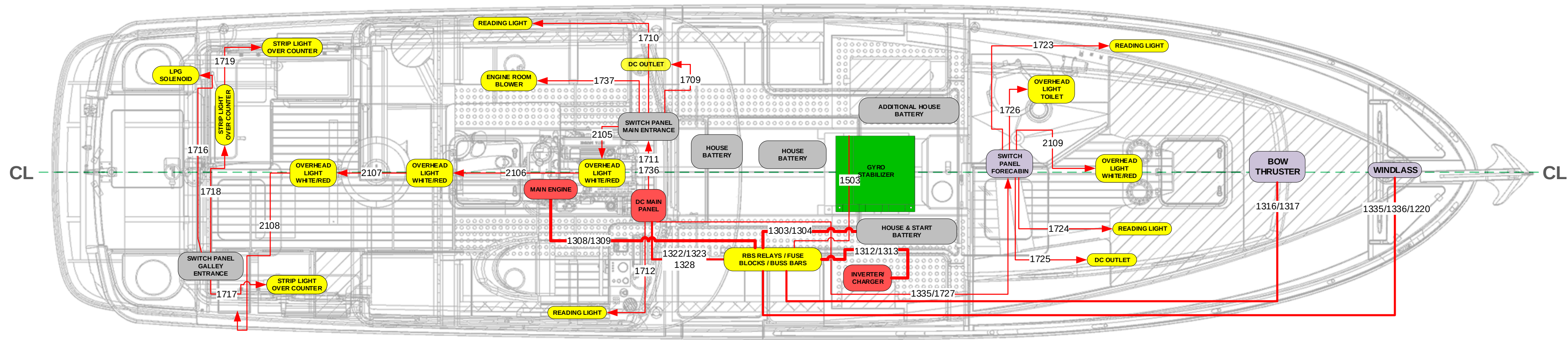




NOTE:
ALL ITEMS IN GREEN ARE
OPTIONAL ON SEAPIPER





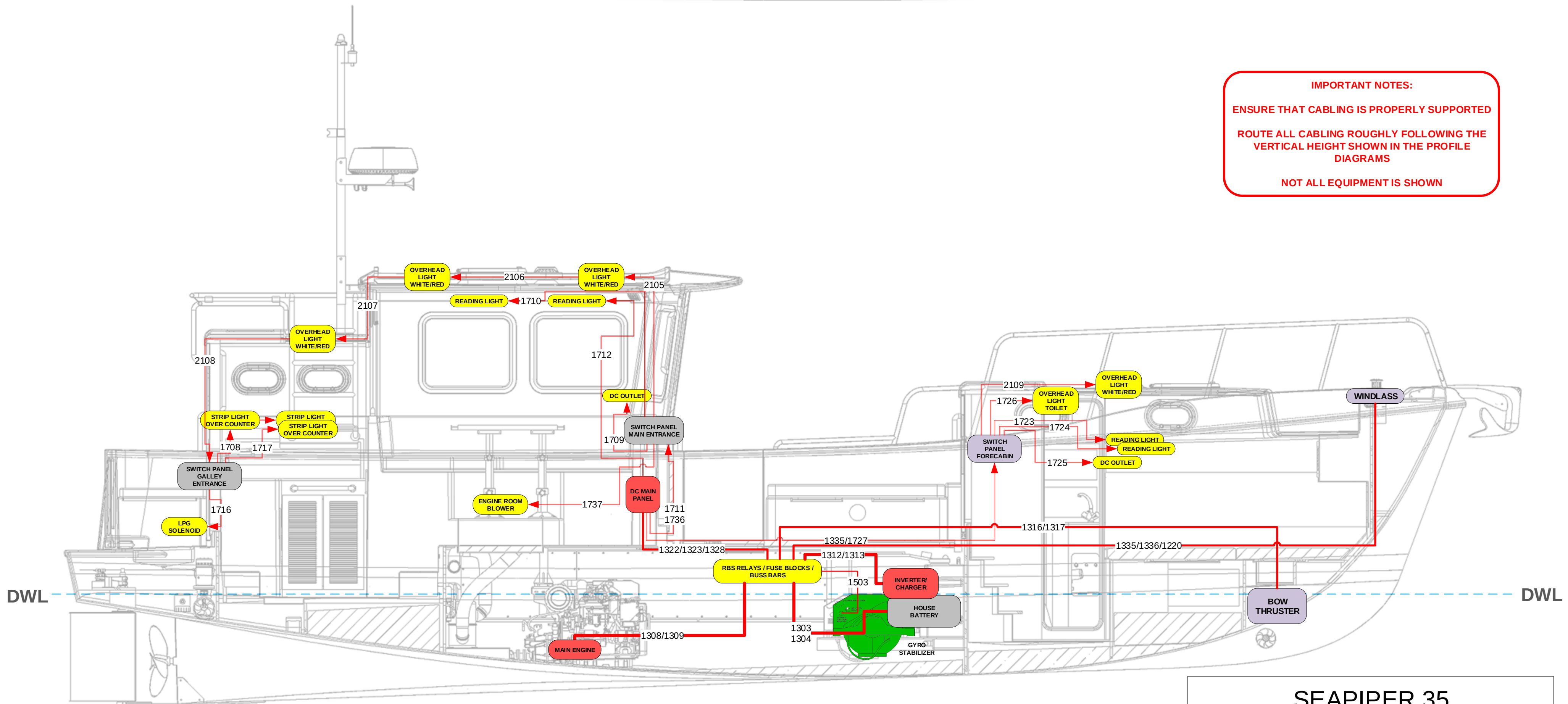


IMPORTANT NOTES:

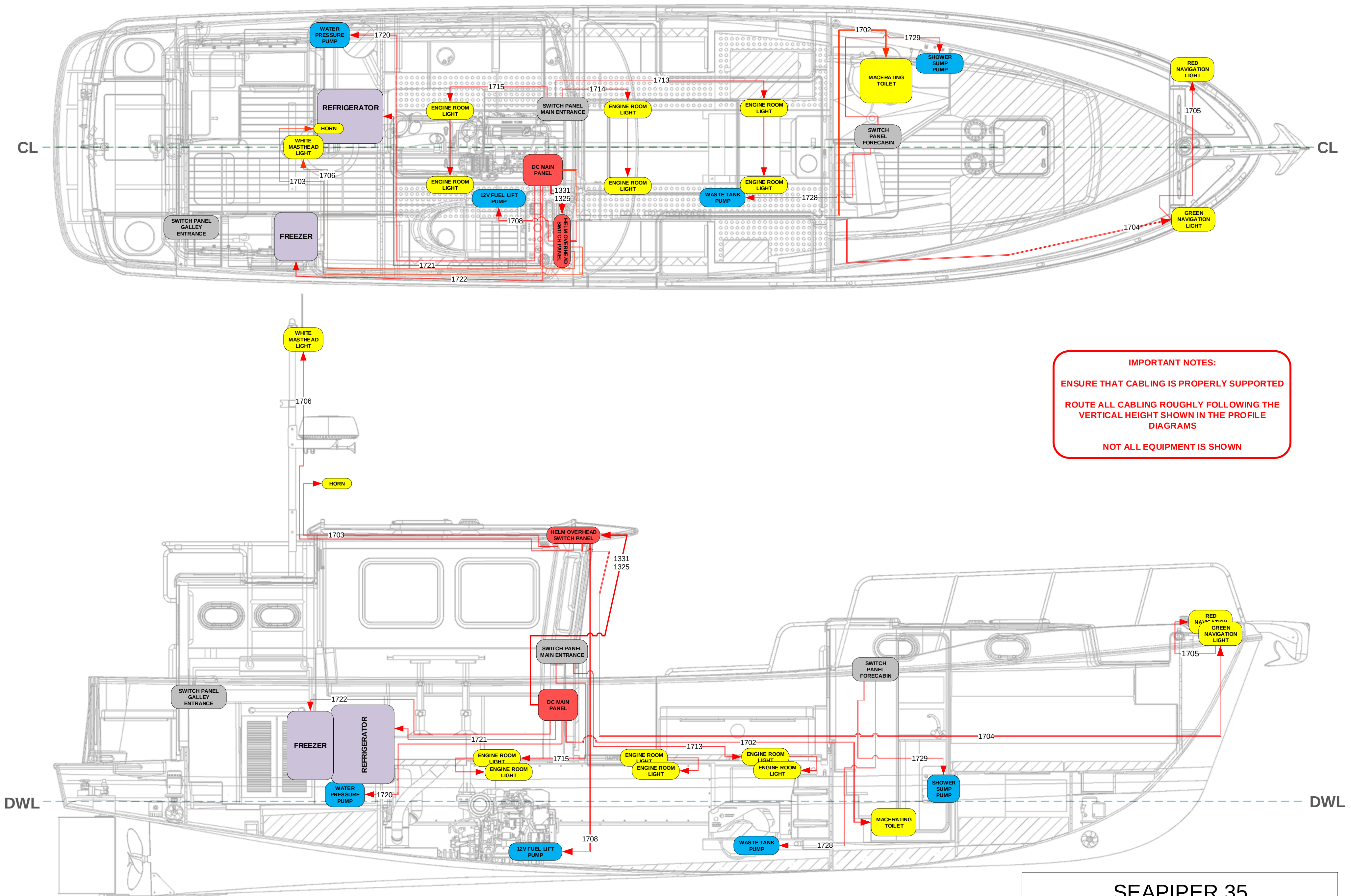
ENSURE THAT CABLING IS PROPERLY SUPPORTED

ROUTE ALL CABLING ROUGHLY FOLLOWING THE VERTICAL HEIGHT SHOWN IN THE PROFILE DIAGRAMS

NOT ALL EQUIPMENT IS SHOWN



SEAPIPER 35 ELECTRICAL CABLE ROUTING 1



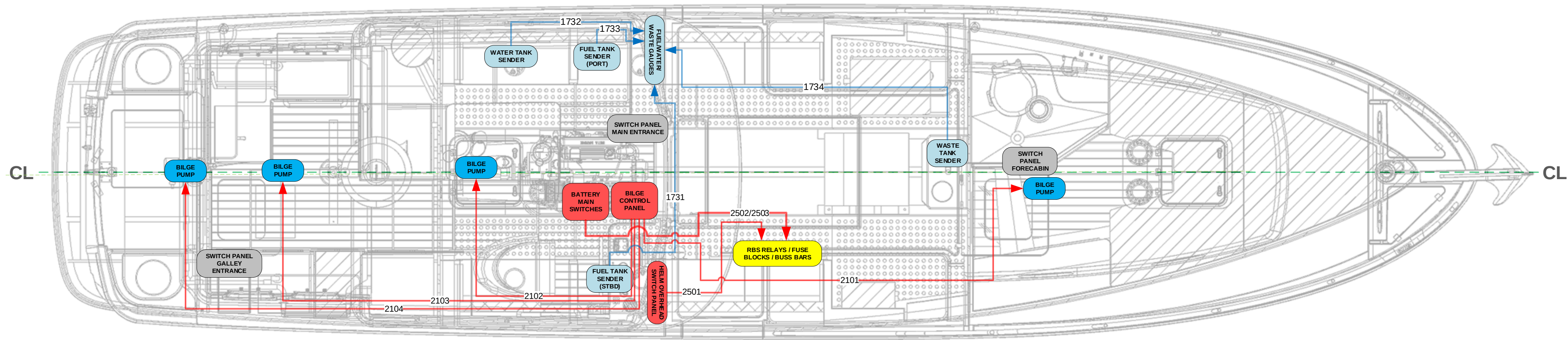
IMPORTANT NOTES:

ENSURE THAT CABLING IS PROPERLY SUPPORTED

ROUTE ALL CABLING ROUGHLY FOLLOWING THE VERTICAL HEIGHT SHOWN IN THE PROFILE DIAGRAMS

NOT ALL EQUIPMENT IS SHOWN

SEAPIPER 35 ELECTRICAL CABLE ROUTING 2

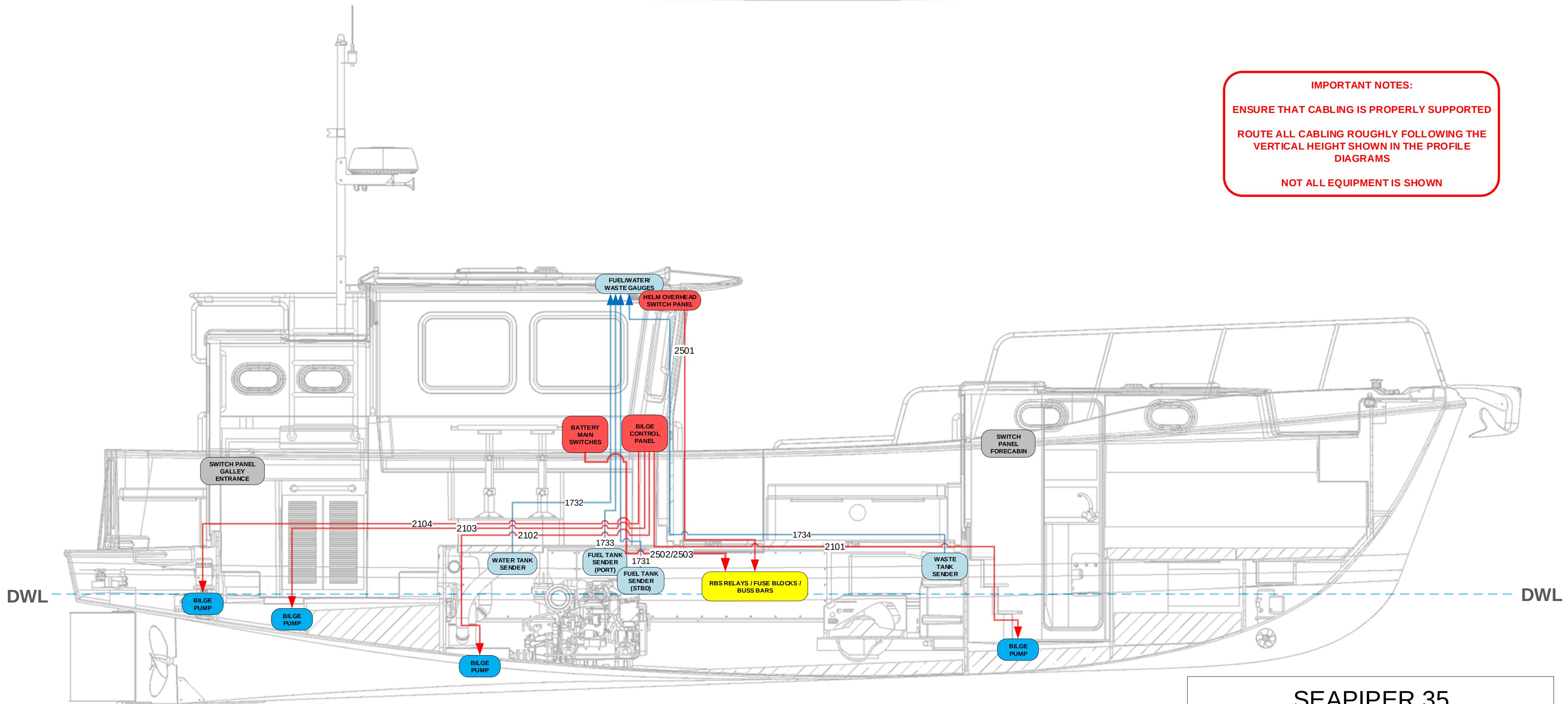


IMPORTANT NOTES:

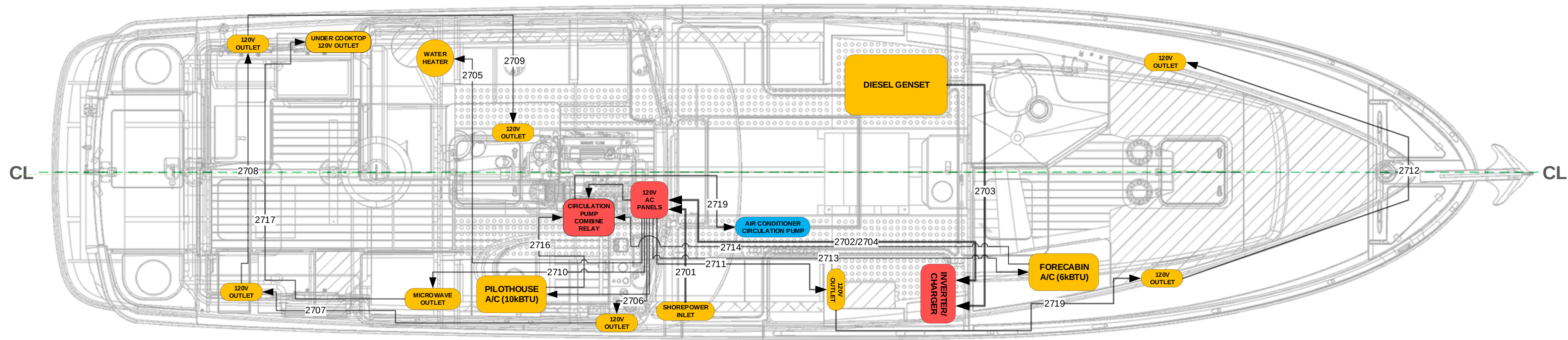
ENSURE THAT CABLING IS PROPERLY SUPPORTED

ROUTE ALL CABLING ROUGHLY FOLLOWING THE VERTICAL HEIGHT SHOWN IN THE PROFILE DIAGRAMS

NOT ALL EQUIPMENT IS SHOWN

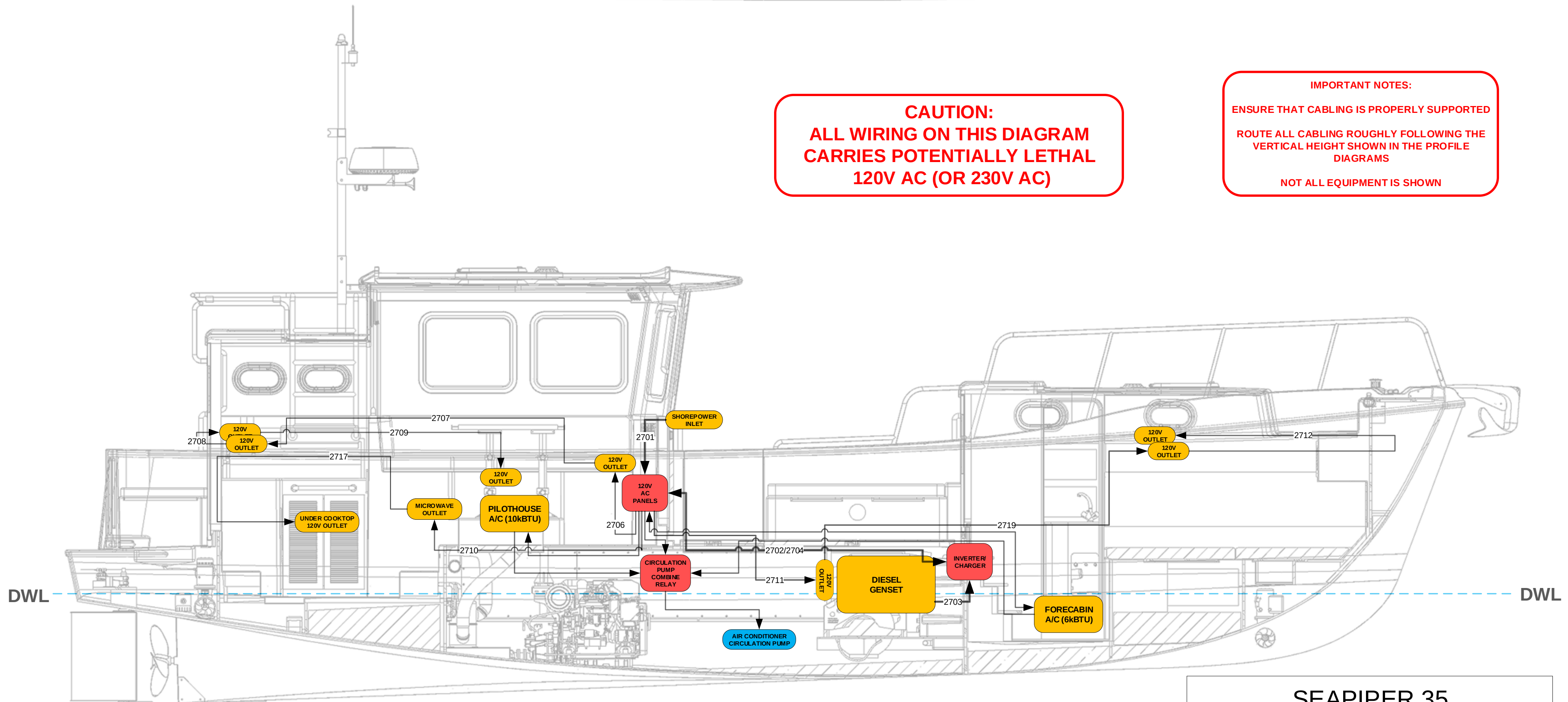


SEAPIPER 35 ELECTRICAL CABLE ROUTING 3

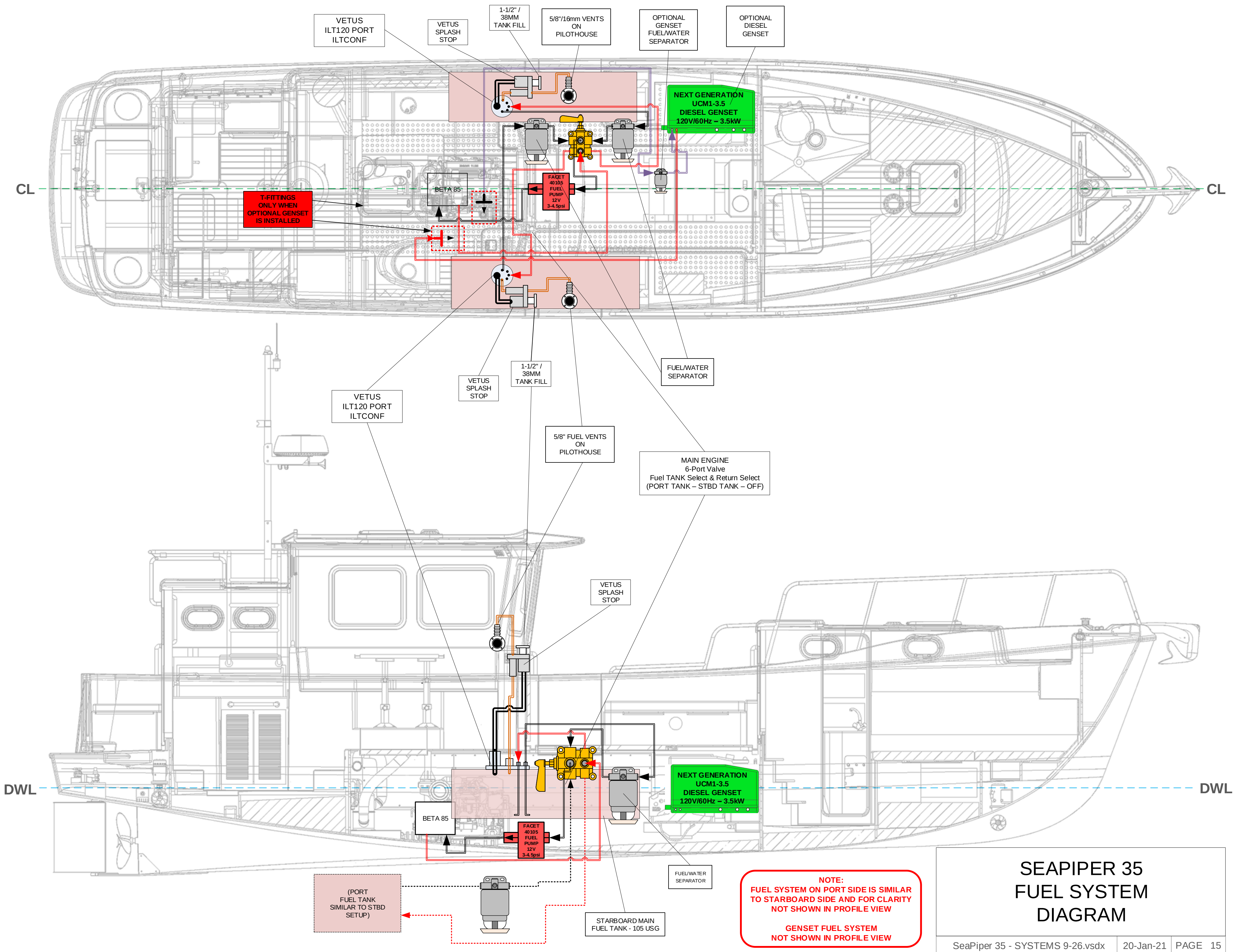


CAUTION:
ALL WIRING ON THIS DIAGRAM
CARRIES POTENTIALLY LETHAL
120V AC (OR 230V AC)

IMPORTANT NOTES:
ENSURE THAT CABLING IS PROPERLY SUPPORTED
ROUTE ALL CABLING ROUGHLY FOLLOWING THE
VERTICAL HEIGHT SHOWN IN THE PROFILE
DIAGRAMS
NOT ALL EQUIPMENT IS SHOWN



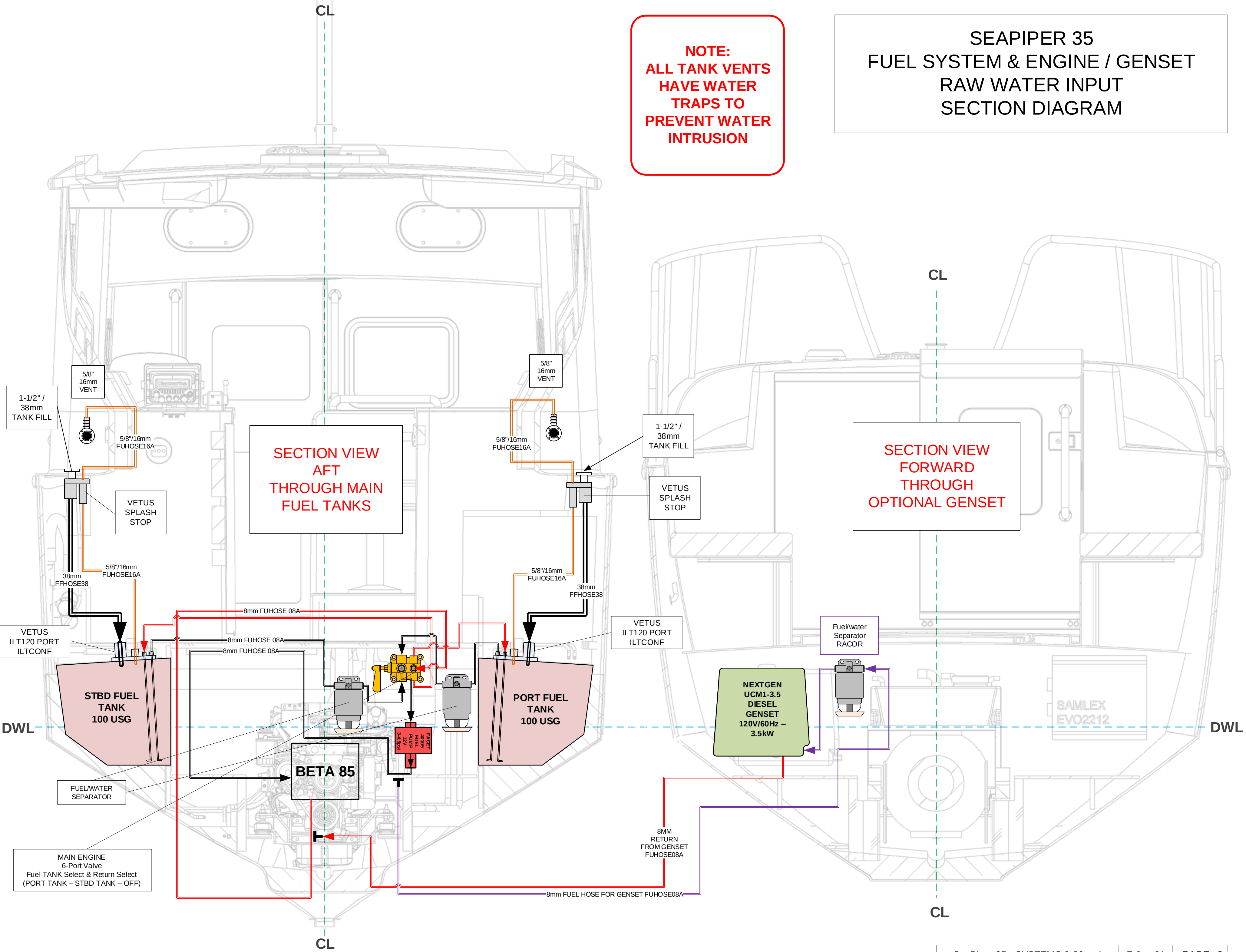
SEAPIPER 35 ELECTRICAL CABLE ROUTING 4

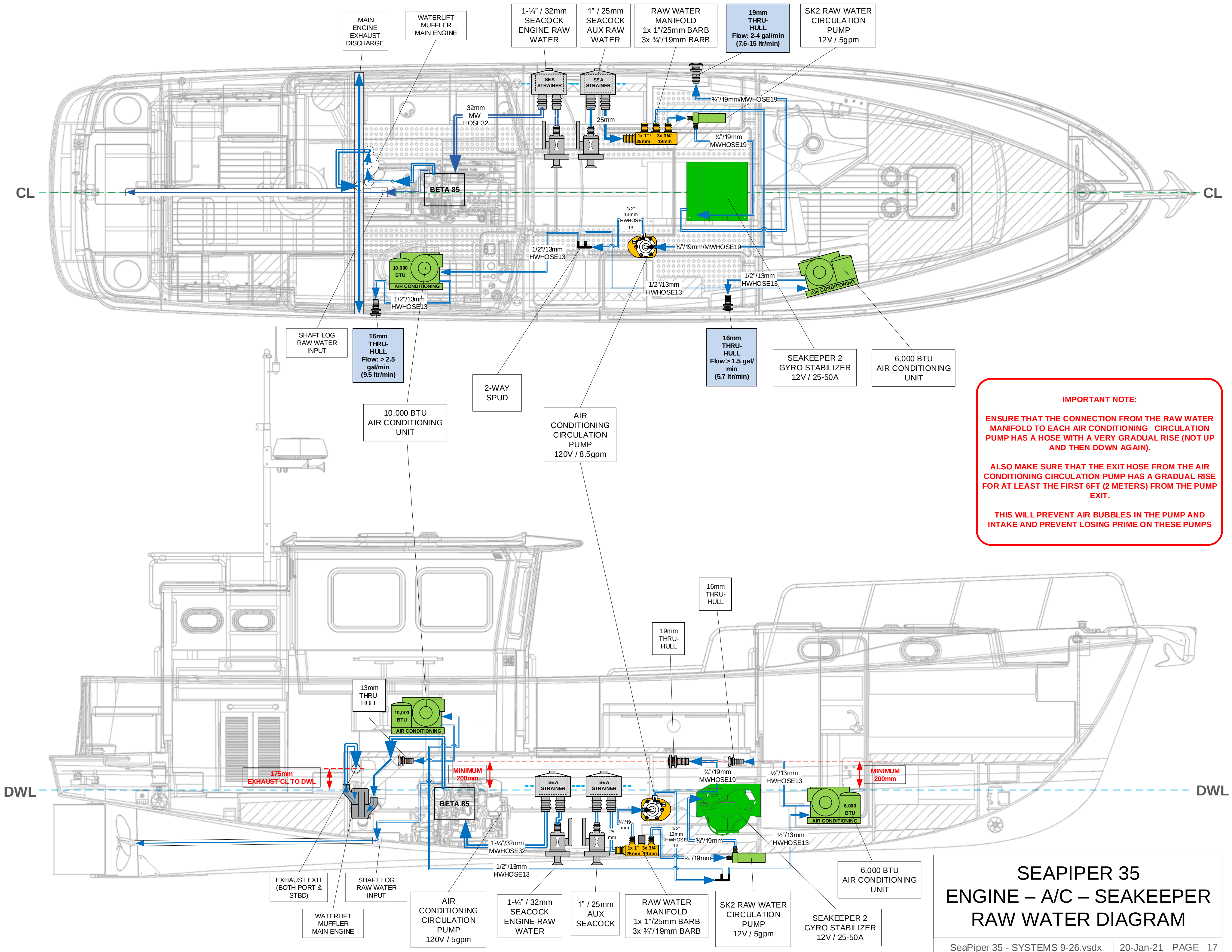


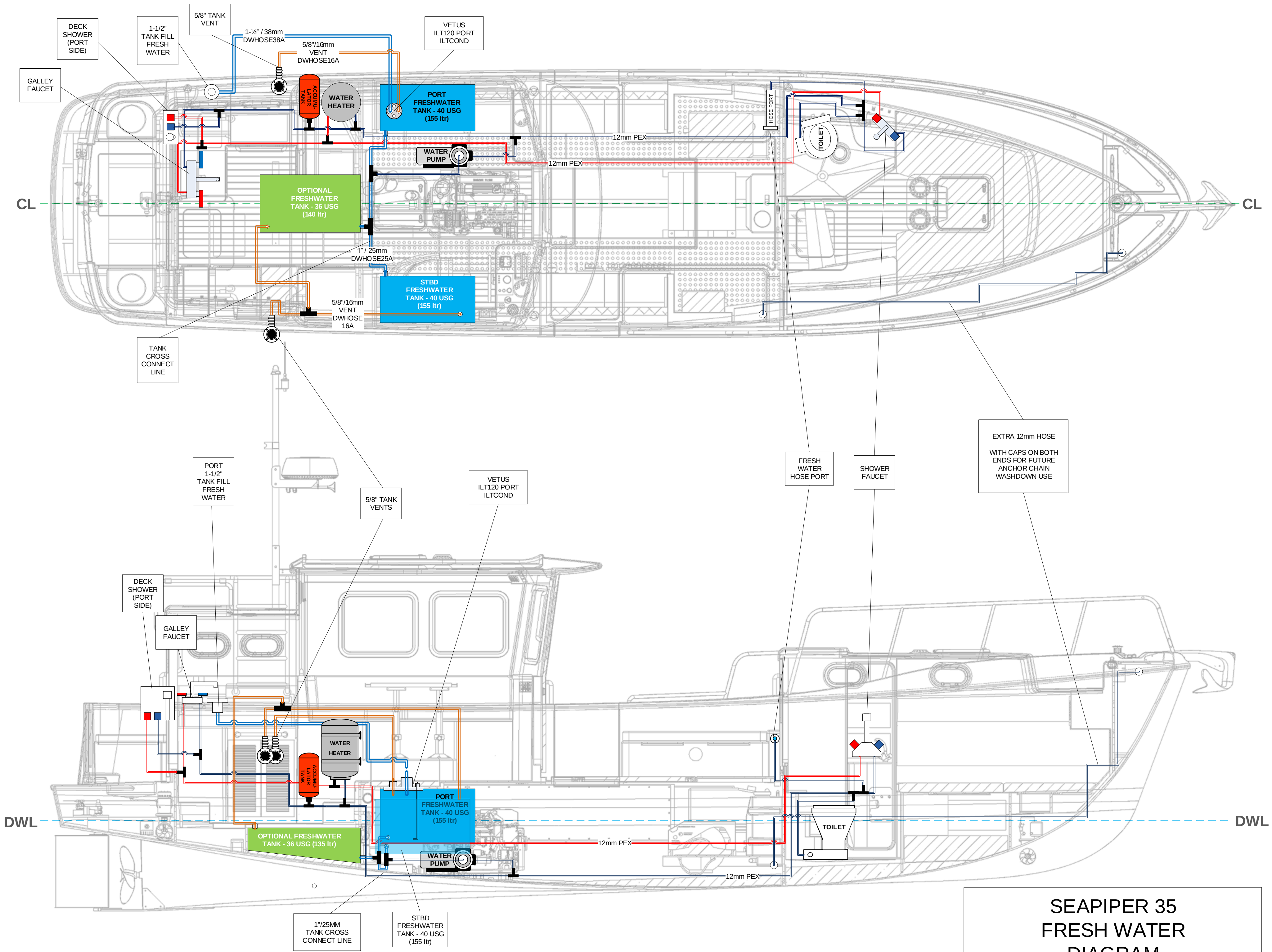
SEAPIPER 35 FUEL SYSTEM DIAGRAM

SEAPIPER 35
FUEL SYSTEM & ENGINE / GENSET
RAW WATER INPUT
SECTION DIAGRAM

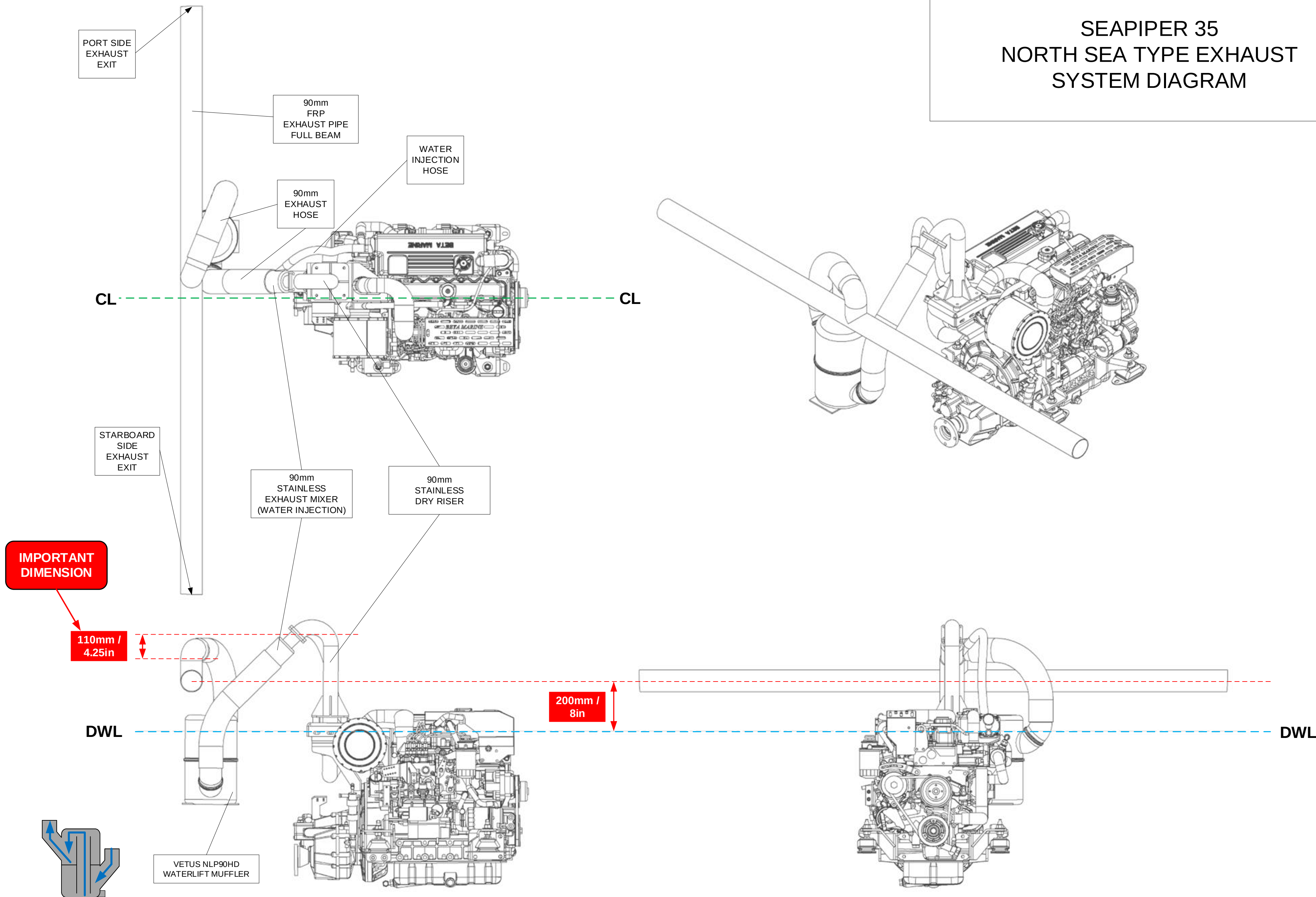
NOTE:
ALL TANK VENTS
HAVE WATER
TRAPS TO
PREVENT WATER
INTRUSION

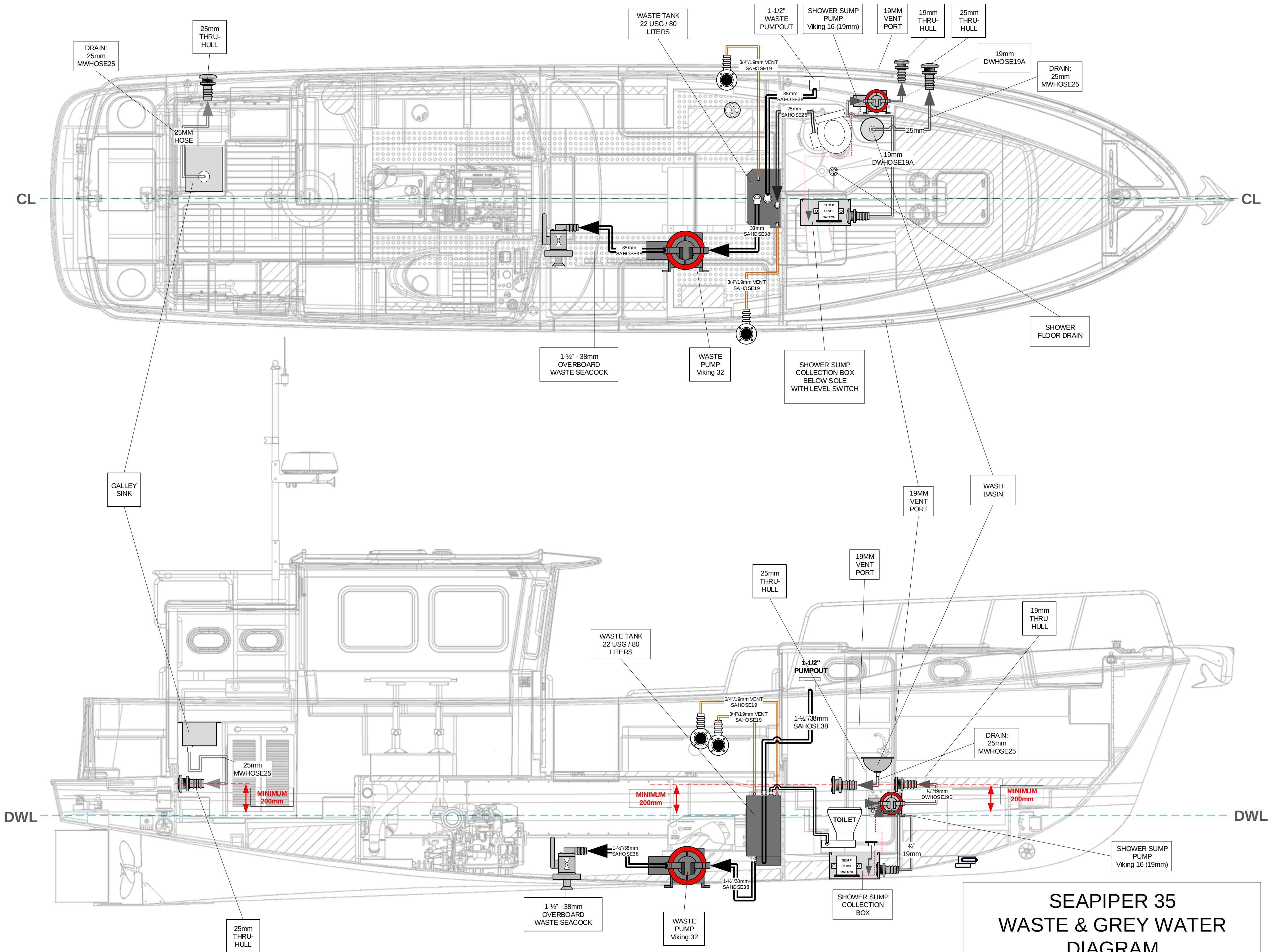




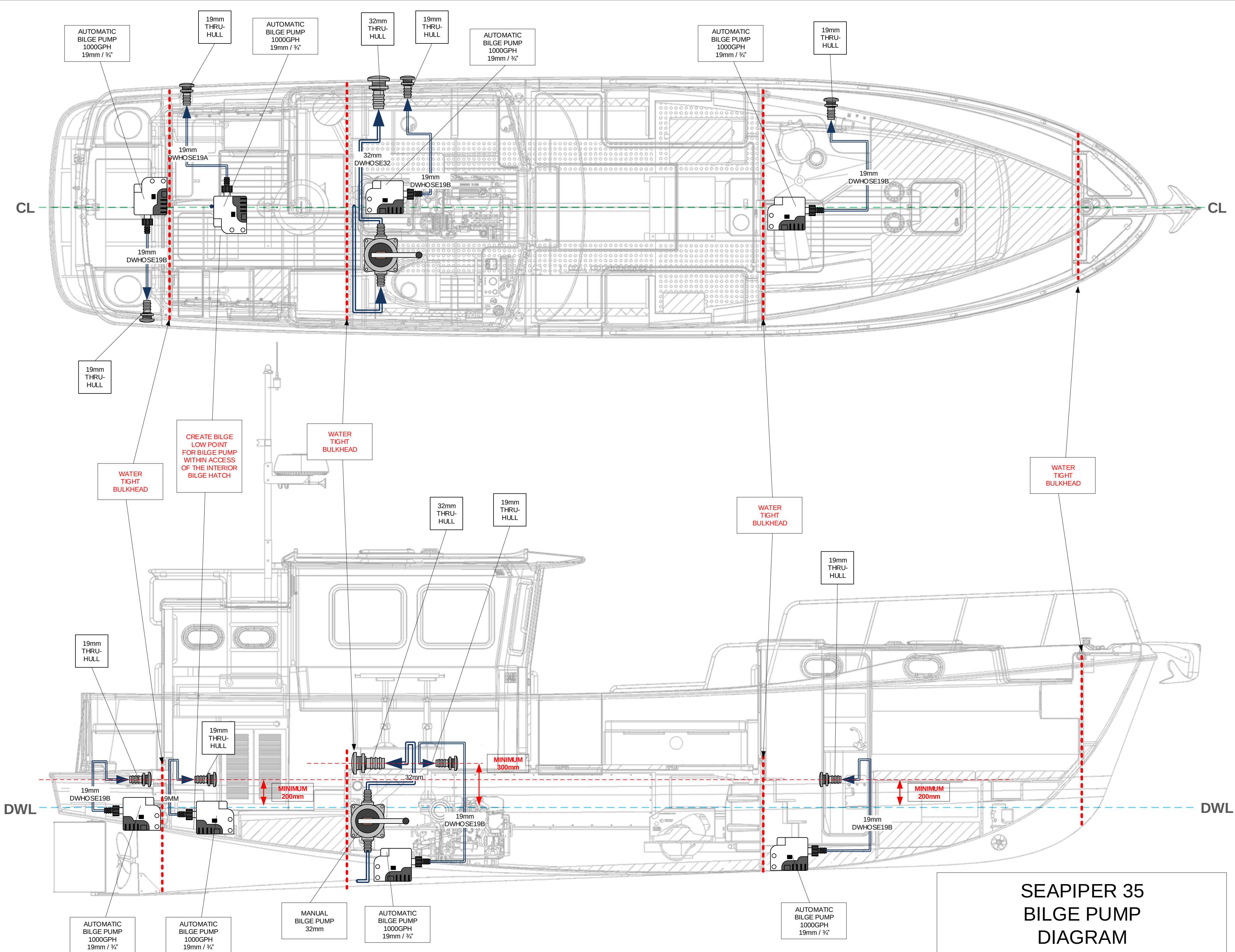


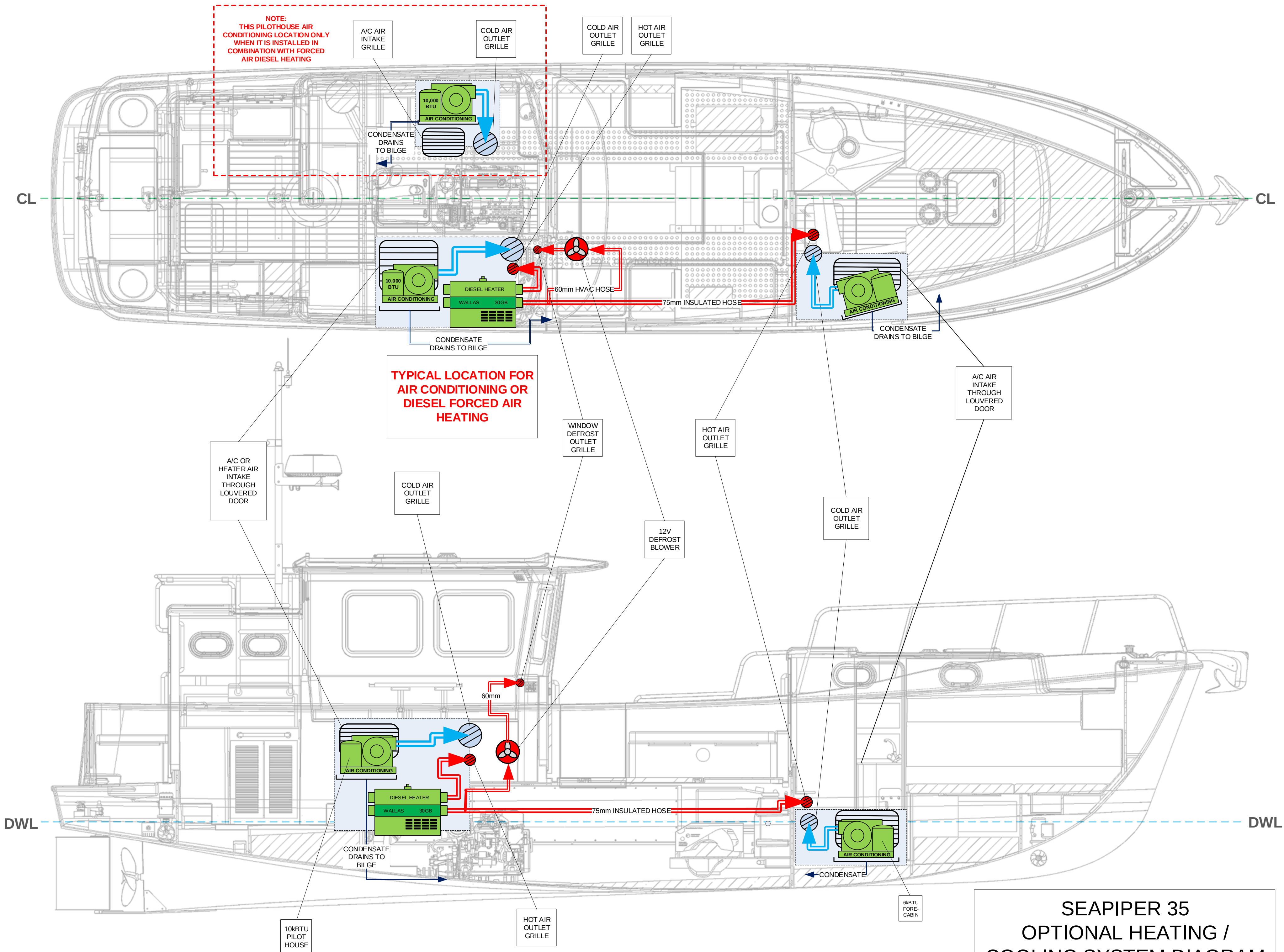
SEAPIPER 35 NORTH SEA TYPE EXHAUST SYSTEM DIAGRAM



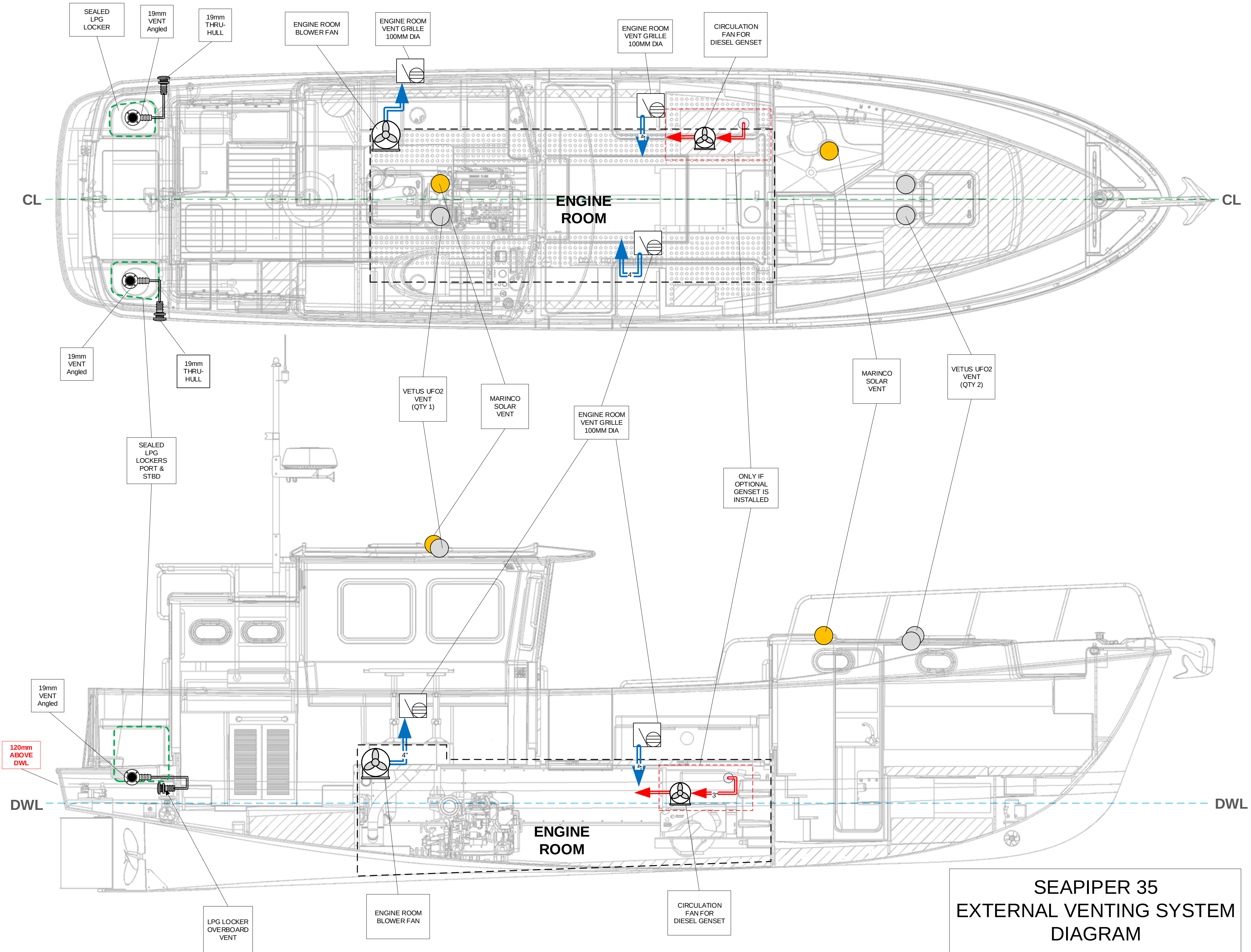


SEAPIPER 35 WASTE & GREY WATER DIAGRAM

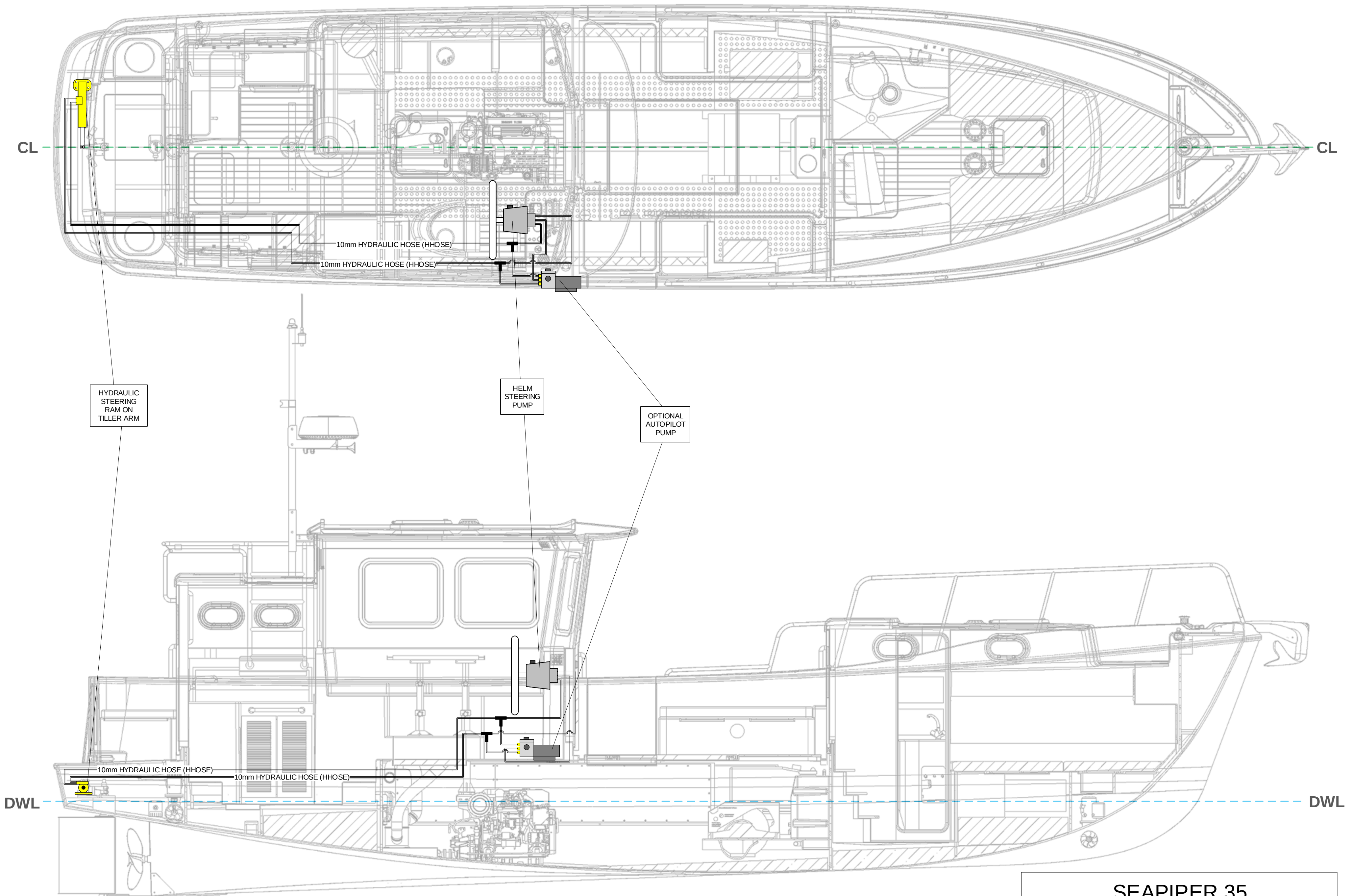




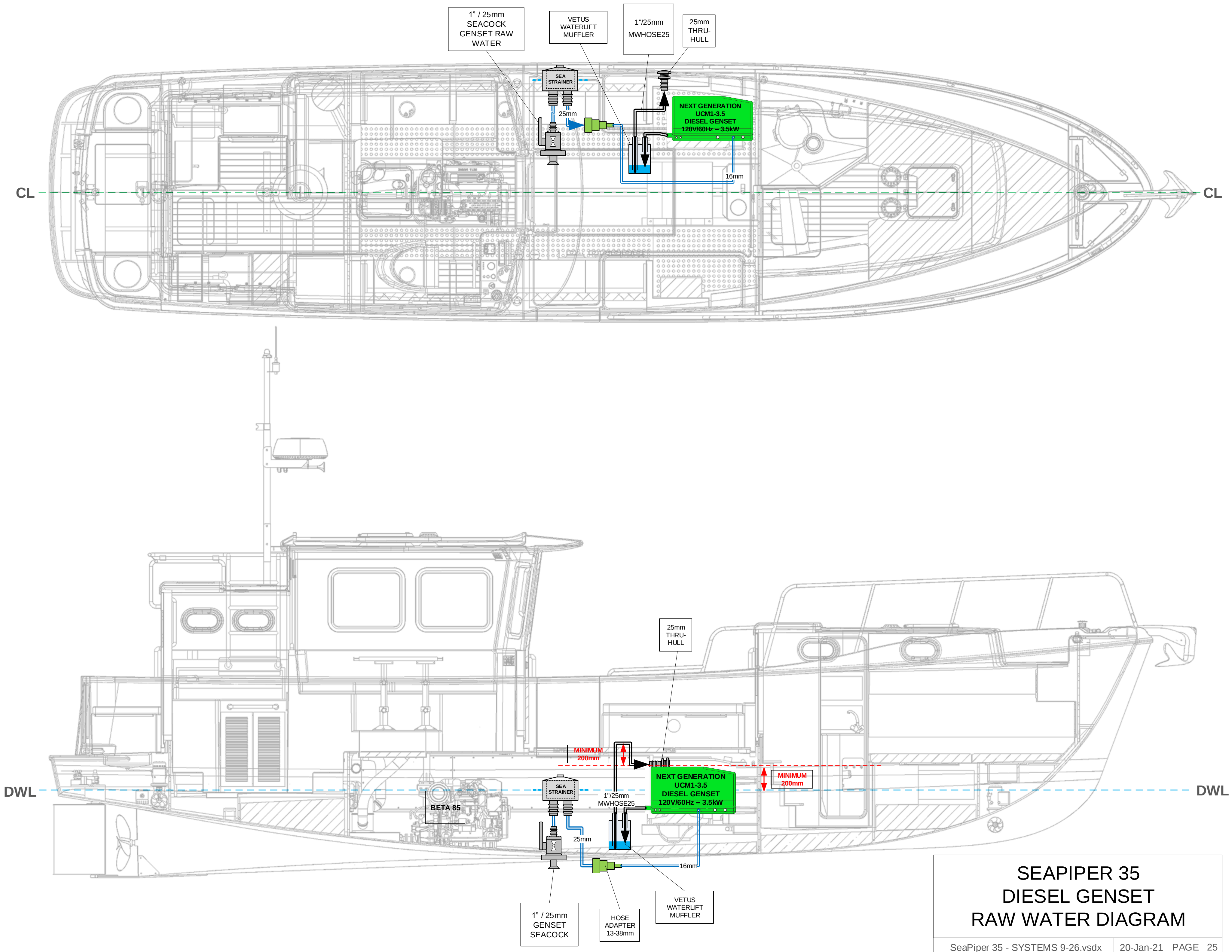
SEAPIPER 35 OPTIONAL HEATING / COOLING SYSTEM DIAGRAM



SEAPIPER 35
EXTERNAL VENTING SYSTEM
DIAGRAM



SEAPIPER 35 STEERING SYSTEM DIAGRAM



SEAPIPER 35
DIESEL GENSET
RAW WATER DIAGRAM

ITEM	BRAND/MANUFACTURER	MODEL	PART NUMBER	Qty	NOTES
ENGINE/DRIVELINE/					
Main Engine	Beta Marine	B85T		1	
Transmission	Technodrive	TM93		1	1:2.77 ratio
Propeller 4-blade 22 inch diameter x 18 inch pitch	Vetus-Maxwell	P4E22X18R		1	DAR 0.69
Main Shaft Seal (dripless)	Vetus-Maxwell	ZWB40A		1	Dripless Seal with double lip seal
PUMPS:					
Bilge Pump 1000gph (automatic)	Johnson Pumps / SPXFlow		32-47260	4	
Shower Sump pump (diaphragm type 19/25mm)	Johnson Pumps / SPXFlow	Viking 16	10-13350-03	1	
Shower Sump level switch	Johnson Pumps / SPXFlow	Ultima	36303	1	installed in shower sump compartment below shower using base 54239
Waste Overboard Pump (diaphragm type 38mm)	Johnson Pumps / SPXFlow	Viking 32	10-13373-03	1	
Pressure Pump Fresh Water System	Johnson Pumps / SPXFlow	WP5.2	10-13395-103	1	
Raw Water Circulation Pump for Air Conditioner	March Pumps	LC-3CP-MD 115V or 230V	PML500	1	Magnetic drive pump (only with optional Air Conditioning System)
Fuel Lift Pump for main diesel engine (12V / 3-4.5psi)	Facet		40105	1	
5gpm / 12V circulation pump for Seakeeper 2	Johnson Pumps / SPXFlow		10-24502-03	1	Only with optional Seakeeper Gyro Stabilizer installed
STEERING / ENGINE CONTROL					
Hydraulic Steering Pump with auto bypass valve	Vetus-Maxwell		HTP4210R	1	3.5 turns lock to lock with MTC7210
Hydraulic Steering Ram	Vetus-Maxwell		MTC7210	1	
Hydraulic steering system hose	Vetus-Maxwell		HHOSE6030	15m	
Engine Control handle (single handle, fwd/reverse)	Vetus-Maxwell		RCTOPBG	1	
Engine /transmission control cables	Vetus-Maxwell				
MANEUVERING / ANCHORING					
Bow Thruster 55kgf/12V	Vetus-Maxwell	BOW5512	BOW5512D	1	standard bow thruster on all SeaPipers
Bow Thruster Control Panel	Vetus-Maxwell		BPJR	1	
Windlass Maxwell RC8-8 (1000W/12V) with capstan	Vetus-Maxwell	RC8-8	P102560	1	windlass as installed on all SeaPipers
HVAC / VENTILATION					
Engine Room Blower	Vetus-Maxwell		TWINLINEB	1	
Diesel Forced Air Heater	Wallas	30GB		1	Optional heater kit includes ducting
Air Conditioner 10,000BTU	Dometic / Webasto	ECD10 / FCF 12K		1	Optional Air Conditioner for pilothouse
Air Conditioner 6,000BTU	Dometic / Webasto	ECD6 / FCF 6K		1	Optional Air Conditioner for Forecabin
OTHER EQUIPMENT					
Refrigerator 12V	Isotherm/Dometic	C130 Elegance	C130RSAAS1111AA	1	
Top Loading Freezer 12V 41 liters	Isotherm/Dometic	Bi41 Dual	3041BA2A00000	1	Optional freezer
Toilet (macerating)	Sealand/Dometic	7220		1	
Water Heater 8 gal / 30 liters (120V)	Isotherm/Dometic	SPA30	6P3023SPA0003		
HATCHES / PORTLIGHTS / VENTS					
470X470mm MAGNUS Escape Hatch	Vetus-Maxwell		MAG4747S	2	
portlight 8in x 14in, CE Class A-I rated (0.20x 0.36m)	Vetus-Maxwell		PM151	10	Can also install A-III rated PM153
Ventilator (fixed)	Vetus-Maxwell		UFO	3	
16mm tank vent nipple	Vetus-Maxwell		AB16B	3	
19mm tank vent nipple	Vetus-Maxwell		AB19B	2	
Engine room vent	Vetus-Maxwell		ERV110A	3	ER vent with stainless grille
STABILIZER					
Seakeeper 2 Gyro Stabilizer	Seakeeper	2		1	(OPTIONAL STABILIZER)
GENSET					
NextGeneration Power Diesel Genset 3.5kW	NextGeneration Power	UCM1-3.5		1	(OPTIONAL GENSET)
BATTERIES					
House Battery Bank: 2x Group 31 (12V/100Ah)	Various	Group 31 or L16	G31 / L16	2	Ideally AGM type for reduced maintenance
Engine Start Battery (12V / minimal 50Ah start battery or 100Ah deep cycle battery)	Various	Group 24 or Group 31	G24 / G31	1	

IMPORTANT NOTE:

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SEAPIPER 35
SYSTEMS
BILL OF MATERIALS 1

ITEM	BRAND/MANUFACTURER	MODEL	PART NUMBER	Qty	NOTES
ELECTRICAL EQUIPMENT					
Inverter/Charger EVO2212 (12V/100A/2200W/120Vac)	Samlex	EVO2212	EVO2212	1	
EVO Remote Control Panel	Samlex	EVO-RC	EVO-RC	1	
12V DC Main Distribution Panel (13 circuits/DCV&DCAmeters)	Blue Sea Systems		8068	1	Main DC Panel (add 2x 40A breaker #xxxx and 1x 25A breaker #xxxx)
120V Shore Power Input Panel (ELCI/Main/2 circuits/ACVmeter)	Blue Sea Systems		8102	1	
120V Distribution Panel (Main/3 circuits/ACVmeter)	Blue Sea Systems		8043	1	
120V Distribution Panel (3 circuits)	Blue Sea Systems		8058	1	Only when Air Conditioning installed
Bilge Pump Panel	Blue Sea Systems		4304	1	Toggle switches replaced with #4153
Remote Battery Switch Panel (for RBS/ACR control)	Blue Sea Systems		1147	1	Controls main battery relays (#7700) and Automatic Charge Relay (#7622)
Manual Battery Switch (Rotary)	Blue Sea Systems		6006	1	For Inverter/charger power feed
Remote Battery Switch (RBS Relay)	Blue Sea Systems		7700	2	bi-stable relay
Automatic Charging Relay (ACR)	Blue Sea Systems		7622	1	Automatically cross connects house and engine battery banks
RBS Relay for bow thruster and windlass	Blue Sea Systems		7713	2	Auto-Releasing relay
12V DC Outlet	Blue Sea Systems		1011200	2	one in forecabin and one in pilothouse
8-pos Weatherdeck Fuse/Switch panel	Blue Sea Systems		4308	1	Used at helm as overhead switch panel, replace horn toggle switch with #4151
4-pos Weatherdeck Fuse/Switch panel	Blue Sea Systems		4304	1	Used as bilge panel, replace toggle switches with #4153
4-pos Weatherdeck Switch ONLY panel	Blue Sea Systems		4305	3	Used as switch panels at interior entrances
BUSS BARS/FUSE HOLDERS/TERMINAL BLOCKS/TERMINALS					
ANL Fuse Holder (300-750A)	Blue Sea Systems		5503	3	
500A ANL type fuse	Blue Sea Systems		5137	2	Safety Main Battery Fuses
350A ANL type fuse	Blue Sea Systems		5135	1	Inverter/charger Fuse
MRBF Fuse holder/buss bar (3 circuits/common)	Blue Sea Systems		5596	2	Fuse Holder/Buss B ar
250A MRBF Fuse	Blue Sea Systems		5189	1	Bow Thruster Fuse
175A MRBF Fuse	Blue Sea Systems		5186	1	Windlass Fuse
150A MRBF Fuse	Blue Sea Systems		5185	1	Main Panel Fuse & need 1 additional for genset install)
100A MRBF Fuse	Blue Sea Systems		5184	1	For optional Seakeeper 2 Gyro Stabilizer
60A MRBF Fuse	Blue Sea Systems		5178	1	For 24h circuit/bilge pumps
Buss Bar 6-pos (250A)	Blue Sea Systems		2126	1	
Buss Bar 20-pos (150A)	Blue Sea Systems		2312	1	
Buss Bar 10-pos (150A)	Blue Sea Systems		2300	2	
Terminal Block 30A 4-pos	Blue Sea Systems		2504	2	
Terminal Block 30A 2-pos	Blue Sea Systems		2502	1	
Terminal Block 20A 10-pos	Blue Sea Systems		2410	5	
Terminal Block 20A 8-pos	Blue Sea Systems		2408	1	
Terminal Block 20A 6-pos	Blue Sea Systems		2406	5	
Terminal Block 20A 4-pos	Blue Sea Systems		2404	3	
Terminal Block 20A 2-pos	Blue Sea Systems		2402	4	
20A Terminal Block CROSS CONNECT (6-pack)	Blue Sea Systems		9218	6	
Fork Terminal 18-14AWG (blue) 20A #6/#8 screw	Ancor		314299	340	Qty 100
Fork Terminal 10-12AWG (yellow) 20A #8 screw	Ancor		315299	41	Qty 100
Fork Terminal 10-12AWG (yellow) 20A #10 screw	Ancor		314399	10	Qty 100
Fork Terminal 10-12AWG (yellow) 30A #10 screw	Ancor		345399	11	Qty 100
Ring Terminal 10-12AWG (yellow) 20A 1/4" screw	Ancor		312425	4	Qty 25
Female Spade 1/4" 18-14AWG (blue)	Ancor		317899	46	Qty 100
BLUE butt connectors with heat shrink (AWG14-16)	Ancor		309102	52	Qty 500
YELLOW butt connectors with heat shrink (AWG14-16)	Ancor		309225	4	Qty 25
BLUE/YELLOW step down butt connectors with heat shrink	Ancor		320225	17	Qty 25
120V shore power inlet SmartPlug	SmartPlug		C30503BM30NT	1	includes inlet and 50ft cord
LIGHTING FIXTURES					
150mm Hella EuroLED ceiling fixture (Red/Warm White)	Hella Marine	EuroLED 150	980630112	4	2 in pilothouse, 1 in galley, 1 in forecabin
75mm Hella Warm White ceiling fixture (in toilet)	Hella Marine	EuroLED 75	21A-980 630-117	1	in head compartment
RED/GREEN Nav Light set	Hella Marine	2NM NaviLED Compact (white)	980520811	1	on bow
All around 360 white Nav light PRO	Hella Marine	2NM NaviLED 360 PRO (white)	980910131	1	masthead light
Engine Room Lights	Hella Marine	DuraLED	959700101	6	
galley strip lights - warm white	Hella Marine		21A-958 124-107	3	
Reading Light (LED)	Scandvik		41397	4	2 in forecabin, 2 in pilothouse

IMPORTANT NOTE:

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SEAPIPER 35
SYSTEMS
BILL OF MATERIALS 3

SeaPiper 35 - Principal Characteristics and Specification

Weights/Dimensions:	
Length (hull)	35ft-11in (approx.)
Waterline length	33ft-5in (approx.)
Maximum Beam	8ft-6in
Design Draft	2ft-11in (approx.)
Design Displacement	16,500 lbs
Dry Weight:	approx. 12,500 lbs (incl. approx. 2,000 lbs ballast)
Pounds per inch immersion:	1150 lbs/in
Bridge Clearance	approx. 8ft-6in with radar mast down, approx. 13ft with mast up
Power:	
Propulsion Engine	Betamarine B85T - 85 bhp @ 2800rpm
Transmission	Technodrive TM93 (continuous duty rated)
Reduction Ratio	2.77:1
Propeller	22-in diameter – 4 blade RH bronze
Shaft	40mm diameter Duplex 1-4462 stainless steel, dripless seal
Performance:	
Top Speed	approx. 9.5 Kts (with 85hp)
Typical cruising Speed	7-9 Kts
Range	approx. 1,400NM at 6.8 knots
Capacities:	
Fuel Tank Capacity	approx. 200 USG (760 liters)
Water Tank Capacity	approx. 80 USG (304 liters)
Waste Tank Capacity	approx. 22 USG (80 liters)
Hydrostatic Data:	
A/B Ratio	2.6
S/L Ratio (cruising speed)	1.2 (6.8 knots)
D/L Ratio	195 (approx.)
CP (Prismatic Coefficient)	0.66
Metacentric Height GM	2.0 ft (approx)

Structure/Materials:	
Hull below chine	FRP, hand laid, solid approx. 12mm
Hull above chine	FRP, hand laid, cored with 12mm polypro honeycomb, total 22mm
Superstructure	FRP cored with 19mm polypro honeycomb, total 25mm
Mid deck & roof	FRP, cored with 38mm polypro honeycomb, total 44mm
Structural GRID	FRP, cored with 19mm polypro honeycomb, total 23mm
Interior Modules	FRP, with polypro honeycomb or core mat in key places
Glazing	12mm (½”) laminated glass
Bottom Paint	Hempel Brand
Fuel Tanks	Aluminum 4mm wall thickness, 5000 series
Water Tanks	316 Stainless steel
Handrails	316 stainless steel 1-¼”/32mm diameter
Electrical:	
Alternator	175A/12V
House Battery	(2) Group 31 (12V/105Ah), room for additional (3)
Start Battery	(1) Group 31 12V/105Ah
Inverter/Charger	2,200W full sine wave 120V, 100A/12V charging output
HVAC:	
Forced Air Heating	(OPTIONAL) 11,200 BTU Wallas 30GB
Air Conditioning	12,000 BTU (pilothouse) + 6,000 BTU (forecabin) Dometic FCF
STABILIZER:	
Gyro Stabilizer	(OPTIONAL) Seakeeper 2 (2,000 NMS) 12V/13-75A
ELECTRONICS PACKAGE (OPTIONAL)	
Chart Plotter/MFD	Raymarine Axiom 9 RV
Transducer	Raymarine CPT-S CHIRP 12 (12 degree angled)
Autopilot	Raymarine EV-150 with Type 1 pump
Radar	Raymarine Q24 solid state radar
VHF	GX2400 AIS VHF Radio
GENSET	
Diesel Genset	(OPTIONAL) 3,500W/120V output NextGen UCM1-3.5