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HULL AND DECK CONSTRUCTION

ALUMINIUM SPECIFICATIONS

- a) Primary structural elements: SEALIUM
- b) Longitudinal stiffeners: alloy 6060 T5
- c) Hull, deck and roof skins: alloy 5083 H 111 (exceptionally large thicknesses of 5086)

Maximum tolerance of boiler works is plus or minus 3 mm per metre without accumulation

Interior and exterior welding process: Mig or Tig

Classe II norm Afnor A 89220 for the all framing system

CONSTRUCTION

STRUCTURE

- Forward Central Girder : 150/12 mm
- Bottom transverse frames: 10 mm thickness
- Transverse frames sides: 100/10 mm
- Mast ring frames: 200/100/12 mm
- Stiffeners: TSO /50/5 mm
- Forward watertight bulkhead: 6 mm thickness
- Aft watertight bulkheads: 5mm thickness
- Engine watertight girders: 6mm thickness
- Tanks (structural): 6mm thickness

SKINS

- Bottom hull skin: 10 mm thickness
- Side hull skin: 8 and 6 mm thickness
- Roof and Deck: 5 mm thickness
- Weatherboards and superstructure. 5 mm thickness
- Roof lid: 4mm thickness
- Bow cone: 6 mm thickness

APPENDAGES

KEEL and BALLAST

- Keel skin and structure: 10 mm thickness
- Junction plate: 30 mm thickness
- Lead bulb type, electrical isolation
- Weight: around 14500 k.g

RUDDER

- A central rudder
- 130mm rudder stock in full aluminium 6060 diam. 130 mm (interior part conical, machine-finished)
- Structure: 8 mm thickness
- Skins: 6 mm thickness
- Resipress rings
- Tiller drag links plug
- Safety tiller fitting

TANKS

Tanks are part of the structure. This allows increased capacity and improves the bottom skin strength.

Tanks capacities are approximately 3000 litres (water) and 2500 litres (gasoil). Trap-doors are installed in the tops.

Inlets and outlets are aluminium tubes with marine standard threads.

Water tanks are sanded inside and finished in food standard white paint.

ACCESSORIES

- Anchor windlass support
- Sail lockers, life raft lockers and transom lockers
- Removable companionway and hatch covers
- Double forward davit
- Aft davit (integrated to the transom)
- 9 cleats (4 fixed and 5 retractable)
- Pulpit and stanchion supports
- Bulwarks
- Deck fitting supports
- Elevated pulley supports
- Dorade ventilators and weatherboard aerations
- Hatch and porthole frames
- Engine bearers
- Generator and equipments bearers
- Shower tray
- Stern tube
- All general structural reinforcements

Also provided, hull skin welding control (by application of penetrating paint)

TENDER GARAGE

Tender garage with lifting door, hydraulic crane and integrated swimming platform.

This includes the hydraulic central, jacks and teak on swimming platform.

PULPIT

- (Stainless Steel 28 mm diameter)
- Rigid arch (supports main sail rail and dodger)
- Forward pulpit
- Two aft pulpits with integrated seats
- Ten stanchions
- Two guardrail gateways
- Two mast balconies
- Rigid hand rails fixed onto the arch and on the roof (lid)
- Retractable swimming ladder in aluminium (fitted to the transom)
- Antenna support mast
- Structural davit with chain plate (for pole downhaul or light wind sail tacks)
- Halyard stainless steel pins rail
- Stainless steel tube for mast cables

PAINT AND TECK DECK

SANBLASTING AND PAINTING

DECK

- 1) Sandblasting, after sanding and cleaning.
- 2) Application of a layer of primer.
- 3) Application of 2 layers of epoxy.
- 4) Welding, coating and sanding.
- 5) Application of 2 polyurethane layers on areas where no non-skid paint is applied.
- 6) Application of a layer of hanging paint and non-skid layer on lid.

TOPSIDES HULL

- 1) Sandblasting, after sanding and cleaning.
- 2) Application of a layer of primer.
- 3) Application of 2 layers of epoxy.
- 4) Application of a layer of fair.
- 5) Application of a finish layer (full coating of the hull, raking and sanding)
- 6) Application of finish layers (polyurethane lacquer) and decorative hull strips

ACCESSOIRIES (entrance and rear arches, hatches and other accessories)

- 1) Sandblasting, after sanding and cleaning.
- 2) Application of 2 primer epoxy layers
- 4) Welding coating and sanding.
- 5) Application of 2 layers of polyurethane lacquers

BOTTOM HULL

- 1) Sandblasting, after sanding and cleaning.
- 2) Application of a layer of primer.
- 3) Application of 2 layers of epoxy.
- 4) Application of a layer of "inter-protect"
- 5) Application of the antifouling

EXTERIOR TEAK

- Teak Gangway
- Teak on cockpit seats and rear of the yacht
- Retractable table fitted on the cockpit floor with stainless steel supports
- Retractable drinks table fitted on the steering wheel column.

EXTERIOR UPHOLSTERY

- Closed cell foam cushions covered by skai or cloth layers
- Washable towelling cover (choice of colour)

CLOSURES

Opening references are Goïot Gamme Cristal

Hull portholes are manufactured in Altuglass, smoked blue 635 as per Goïot openings.

Fixed portholes (8) are manufactured in tempered glass, tinted and fitted with anodised aluminium borders

Entrance panel in Altuglass, smoked blue 635 Ventilators

STEERING SYSTEM

The steering wheel column is in aluminium, it integrates:

Suunto compass, engine commands, navigation equipments screen, automatic pilot commands, stern and bow thruster commands, windlass commands.

The steering system is manufacturer by JEFA and uses drag links and way transfer.

The steering wheel with double spoke has a leather cover, it is 1400 mm large diameter, a drag link is provided for the autopilot.

Aluminium safety tiller.

MECHANICS

ENGINE

Perkins 250 width hydraulic inverter

- a) 23" three-blade Max Prop propeller (orientating blades), stainless steel stern tube diam. 45 mm
- b) The stern tube is waterproof thanks to rotating carbon joints (ERCCEM).
- c) Mono lever commands at the wheel
- d) Engine accessories, temperature and oil alarm, alarm in case of presence of water in gasoil circuit, stop-start commando
- e) Reinforced rubber exhaust tube
- f) Soundproof mixer pot

GENERATORS

Two KHOLER generators with soundproof cocoons and remote control

One presenting a power of 13KVA

One presenting a power of 27KVA

BOW / STERN THRUSTER

Two hydraulic thrusters, Max Power 20 hp (at bow and stern) Controlled by tiller (up/down-left/right) at the steering wheel.

HYDRAULICS

Total Hydraulic power: 14000 W+4500 W

One engine 20 kw (bow / stern thruster - windlass - safety)

One engine 8 kw (windlass - rollers -safety)

WATER MAKER

Sea Recovery 200 L/H (220v.)

AIR CONDITIONING

Owner cabin

Monobloc group CRUISAIR of 12000 BTU (with force feeding pump and manual command)

Aft cabins

Monobloc group CRUISAIR of 12000 BTU (with force feeding pump and manual command)

HEATING

Eberspächer 10 kw (hot water) 7 fan coils

WASHING MACHINE / TUMBLE DRYER

TWO FRIDGES, ONE FREEZER, ONE ICE MAKER

WINE CUPBOARD

REFRIGERATOR À L'INTÉRIEUR / EXTÉRIEUR

A DISHWASHER

A MICRO-WAVE OVEN

STEAMER

WASTE GRINDER

DECK FITTINGS

DECK EQUIPMENTS PRESENT THE FOLLOWING REFERENCES:

HARKEN "BLACK MAGIC series", for all pulleys.

HARKEN "BIG BOAT series", for rails, genoa and main sail sheet ball bearing travellers.

ANDERSEN, for stainless steel winches (electric and hydraulic).

ANTAL "VGRIP", for jammers and organisers.

- 2 electrical winches 78 STE 2 speeds, for genoa sheets with double pulleys and "storage cleat"
- Hiedr winches 58 STE 2 speeds, for all manoeuvres returning to the cockpit, with organisers and jammers on each tack.
- 2 winches 52 ST on mast, 2 speeds, with jammers for genoa, jib, spinnaker (or gennaker) halyards and topping lift.
- Main Sail sheet ball bearing traveller (fitted on entrance arch), stops and organiser tips, for traveller trimmings.
- 2 rails with genoa sheet ball bearing travellers and stops, with organiser tips, to guide manoeuvres to cockpit.
- 14 jammers
- 16 pulleys, for all returns to cockpit (mast foot, main sail, self tacking jib)
- 6 organisers
- 2 deck pulleys, to guide genoa and jib sheets to cockpit
- 2 double pulleys to guide roller sheets and pole dowlhaul to the cockpit.
- 1 stand-up pulley for boom kicker, spinnaker (or gennaker) tacks.
- jib sheet ball bearing traveller, stops and trimming slides.
- 2 snatch blocks HS (high strength) for spinnaker sheets or boom preventer.
- 5 pedeyes
- 2 winch handles "Luxus" single
- 2 winch handles "Luxus" double with locking

RIGGING

MAST: SPARCRAFT "PERFORMANCE" series (lacquered) choice of colour

Backward spreader system with 3 spreader heights (spreader angled to 20 degrees)

ROLLING MAST SPARCRAFT with RECKMANN roller (hydraulic):

Deck fittings:

FREDERIKSEN, for the Main sail rail and travellers

ANTAL "VGRIP", for jammers and halyard sliders

- **Full batten main sail rail and ball bearing traveller** (5 batten travellers, 6 inters)
- **2 halyard sliders** (for genoa and jib halyards)
- **2 jammers**
- **4 storage cleats**
- **2 retractable mast steps** at mast top
- **Hounds and sheaves for storm jib**
- **Lights:** Three coloured (lane and mooring),
- **2 deck spotlights** located under spreaders

BOOM: SPARCRAFT "PERFORMANCE" (lacquered) choice of colour

EQUIPEMENTS

- **2 deck spotlights** fitted under the boom
- **Boom pulpit** (separators for full batten main sail storage and lazy-jacks)
- **Sheaves** for automatic reefs

POLE: SPARCRAFT lacquered (stored on the mast with rail and ball bearing traveller)

GENOA ROLLER: Hydraulic FURLEX

JIB ROLLER: Hydraulic FURLEX

SAILS: "INCIDENCES" or "ALL PURPOSE"

Full batten Mail Sail (6 battens) with 3 reef positions

Cloth: HYORANET (Dacron and spectra/Dyneema mixture)

Cut: triradial orientation

GENOIS on roller

Cloth: HYORANET (Dacron and spectra/Dyneema mixture)

Cut: triradial orientation

Self Tacking JIB on roller

Cloth: HYORANET (Dacron and spectra/Dyneema mixture)

Cut: triradial orientation

Storm JIB

Cloth :DACRON 1st choice (BAINBRIDGE or DIMENSION/POLYANT)

Cut: Horizontal

ACCESSORIES:

LAZY-BAG: acrylic doth (dralon) for full batten sail

The lazy-Bag is positioned on the boom. It is rolled and fixed along the latter in navigation.

STANDING RIGGING

The rigging is in **ROD** (BSI) non continuous

- Genoa forestay
- Jib inner stay
- Backstay
- Hydraulic backstay rigging screw

Shrouds

- V1-V2-V3/D4
- D1-D2-D3
- 2 forward D1

RUNNING RIGGING

MAST

- Main sail halyard (spectra)
- Genoa halyard (spectra) with halyard slider (ANTAL)
- Jib halyard (spectra) with halyard slider (ANTAL)
- Spinnaker (or gennaker) halyard (spectra)
- Storm jib halyard
- Pole lift (pre-stretched)
- Topping lift (pre-stretched)
- Manoeuvres for pole traveller (pre-stretched)
- Lazy jacks (pre-stretched)
- Flag halyards

BOOM

- Outhaul (pre-stretched)
- 3 reef pennants (pre-stretched)

DECK

- Set of genoa sheets (pre-stretched)
- Self tacking jib sheets (pre-stretched)
- Main Sail sheet (spectra) (4 lengths tackle)
- Pole downhaul (pre-stretched)
- Two boom preventers (pre-stretched)
- Manoeuvres for Genoa traveller
- Manoeuvres for genoa roller (pre-stretched)
- Manoeuvres for jib roller (pre-stretched)

ACCESSOIRES:

- Stainless steel lifelines (5mm and 4mm.)
- Guardrails for lateral guardrail gates with snap hook system
- Spreader extremities protections (leather)
- Rigging screw aluminium protection
- Life lines (straps)

UPHOLSTERY AND EXTERIOR PROTECTIONS

- Entrance main dodger with opening (acrylic DICKSON choice of colour)
- Rigid bimini (acrylic DICKSON choice of colour) from entrance arch to steering wheel column
- Lateral dodgers (acrylic DICKSON choice of colour)

INTERIOR ARRANGEMENTS

Our design office (architects, designers and technicians) prepares a detailed specification document. with full technical drawings and can offer a high quality project management service.

Interior arrangements are realised in marine plywood and solid wood (maple or other light wood of choice).

FLOORS

Marine plywood CPM grooved light or dark with lifting system, fixings and joints

ISOLATION

In order to avoid any risk of condensation, the hull (from waterline to deck), deck and roof are isolated thanks to a closed cell polystyrene foam (styrodur type or equivalent) Frames and sharp edges are protected by a flexible black isolation foam.

INNER PLANKING

Hull inner planking is marine plywood 5 mm thick covered by a skaï layer on foam.

CEILING

Marine plywood covered by a layer of skaï on foam

FORWARD CHILDREN CABIN

Access by a panel fitted on deck

Two berths

Lockers

TV

FORWARD OWNER

Access door (with neoprene joint, anti vibration)

Double central bed with anti-humidity under layer

Drawers and lockers fitted under the bed (with gas jack to facilitate access)

Two armchairs (one on each tack)

A central cupboard, integrating a TV screen

Double wardrobe and cupboards

Bookshelves

GANGWAY

Cupboard integrating washing machine and tumble dryer, several additional cupboards and lockers, as well as a linen area.

BATHROOM (OWNER CABIN)

Access door (with neoprene joint, anti vibration)

Vacuum WC (fresh water)

Lower locker with « corian » table or similar, integrating a washbasin

Upper locker with sliding doors and mirrors, "jewel" drawers

Shower with grate or teak lathing on shower tray.

Pressure water mixer tap

Tap and flexible pipe in shower

ACCESSORIES

Towel rail

WC paper support and brush

Soap dish

SALOON

Large circular bench with seats, backs and cushions

Lockers under seats

Table (with solid wood surround and stainless steel legs) with ability to convert to half size.

Side cupboards

Bookshelves

Integrated safe

TV

NAVIGATION

Chart Table with lecturn for tidying maps

Navigator seat with retractable armrest (locker under the seat)

Lockers for navigation books

Panels integrating the electric control board

Console for navigation instruments

WARDROBE

Port side, close to the entrance. large wardrobe for wet clothes incorporating drainage

ENTRANCE

Entrance stairs with stainless steel hand rail

GALLEY

lower locker integrating the ice maker, sinks, a bottle rack, breadbin, litter bin and other lockers

Stainless steel hand rail in front of the work area

Work surface in "corian" or similar with integrated draining board

Two stainless steel sinks

Pressure water tap with water from the water-maker

Electric cooker, 3 fires and oven (force 10)

Upper lockers, integrating the micro wave, two fridges and the freezer

Upper lockers with sliding doors

Central dresser integrating all service drawers.

ACCESSORIES

Linen bar

Cleaning paper support

AFT CABINS BATHROOMS (port and starboard identical)

Access door (with neoprene joint, anti vibration)
Starboard bathroom with double access (cabin and saloon)
Vacuum WC (fresh water)
lower locker with « corian » table or similar, integrating a washbasin
Upper locker with sliding doors and mirrors, "jewel" drawers
Shower with grate or teak lathing on shower tray.
Pressure water mixer tap
TV

ACCESSORIES

Towel rail
WC paper support and brush
Soap dish

AFT CABINS (port and starboard identical)

Access door (with neoprene joint, anti-vibration)
Wardrobe and lockers
Armchairs with cushions (locker beneath)
Double bed with anti-humidity under layer.
lockers under beds
Access trap-doors to the engine compartment
Upper cupboard at the rear of the bed
Bookshelves
TV

ENGINE COMPARTMENT

This compartment is soundproofed by foam such as accoustidense or similar. The engine compartment groups all equipment installed in the standard version (see mechanics)

- The propulsion engine
- Both generators
- The water maker
- Water pressure groups
- The hydraulic central
- Etc.

OTHERS

All interior arrangements receive, after the isolation has been completed, 3 layers of varnish
satin-like polyurethane
Exterior lockers floors are protected with marine plywood
Support for the outboard tender engine
Chain well coating
Protection of the chaine compartment floor

UPHOLSTERY

Leather, ALCANTARA or CLOTH dependent on customer preferences.

Seats and backs are built in Bultex foam 12 cm thick

Bed mattresses (with under layer of ventilation) in Bultex foam 12 cm thick, covered by a layer of cloth

Blinds

Shower curtains

Leeboard

PLUMBING

Tanks (Tanks featured are detailed in the chapter "Hull and Deck Construction")

Positioning of visit trap-doors, deck scuttle holes, filling pipes, and ventilation pipes.

PRESSURISED WATER CIRCUIT

Hot and cold pressure water

FRESH WATER

- Pressure water pumps
- Two 50 litre capacity water-heaters (ISOTEMP Stainless Steel) with electricity supply from both the engine and 220 volts system
- Cockpit shower (hot and cold water)
- Supply to washbasin, shower and sink taps (pipes, gates, joints)
- Galley foot-pump
- "Flojet" pump for chain and deck wash, filters, 20 meter flexible pipe with «gun».
- Flexible pipes, gates, joints

DRAINAGE

- 4 automatic bilge pumps (engine compartment, mast foot floor, aft lockers and forward lockers)
- Double effect manual pump (engine compartment)
- Two shower pumps

BLACKWATER

- Two black water tanks, emptying pump, direct evacuation outlet and connection to the vacuum WC
- Deck scuttle-holes (for emptying by vacuum)
- Anti-smell filter

GREYWATER

- Two grey water tanks, emptying pump, direct evacuation outlet and connection to the galley and showers
- Deck scuttle-holes (for emptying by vacuum)
- Anti-smell filter

ELECTRICITY

BATTERIES (to be confirmed)

a) Services (840 A/h24v)

8 ExideGel batteries: 12v/210A/h each

b) Engine-Generator

4 Optima Bluetop 815 A CCA batteries

c) Power (630 A/h24v)

6 ExideGel batteries: 12v/210A/h each

Others

Cut-batteries

Batteries control and leaks checking

Cables, pod, screws, sheath

Connection to the engine, both generators and to the general distribution

4 voltage reductions (24v/12v) for VHF, navigation central, safety pilot, 12v plugs

ENERGIE DISTRIBUTION (12v-24v)

12 V : Cable and equipment connections, (VHF, HI-FI, gauges for oil and water indicators, plugs and lights, etc.)

24 V: Cable and equipment connections, (engine, generators, cold groups, navigation instruments, pilots, pumps and contactors etc)

Electric panel 12v et 24v bipolar including leak checking, circuit breaker, voltmeter, amp meter, etc

LIGHTING AND PLUGS

- Wall lamps, ceiling lights, and halogen spots sited sympathetically dependent on the interior design (wall light switches)
- Exterior lighting: on the arch and under the boom (see "rigging" chapter)
- Lighting in aft and forward lockers
- 12V plugs in each cabin, in the saloon, at the chart table and on the steering wheel column.

NAVIGATION LIGHTS

Forward balcony (port-starboard)

Rear of the vessel (under the arch)

Mast (three colours and top light)

OTHERS:

Windlass and bow/stern thruster controls on the steering wheel column

Distribution, deck crossings and connection boxes

VENTILATION

Engine Compartment:

1 ventilator (heavy duty)

Connection with a flexible ringed cover

Comfort:

Five 12v ventilators (2 speeds) in cabins and saloon

ENERGY DISTRIBUTION (220 v)

Cables and connection to equipments (water-heater, washing machine and tumble dryer, water maker, freezer, air conditioning, TV, etc.) and plugs (in bath rooms, galley, saloon, chart table and engine compartment)

Electric table 220v with leak checking, circuit breaker, voltmeter, amp meter, frequency-metre, etc.

Bacco 3 positions (quay, neutral. generator)

1 European quay plug male-female with 25m of cable

CHARGING SYSTEM

1 charger 24v 200A

1 charger 24v 50A

ALTERNATORS

One standard engine 55 A/24v

One 150 A/24v on metallic bearers, connected to the engine

One 40 A/24v on each generator

Convertor 2400 w (24/220v)

ELECTRONICS

Navigation Central B&G HYDRA 2000

CHART TABLE

Multifunction screen with double display B&G FFD

ENTRANCE CONSOLE

Multifunction screen with double display B&G FFD

Wind direction analogical indicator screen on 360

STEERING WHEEL COLUMN

Multifunction screen and double display GPS B&G FFD

AUTOMATIC PILOT (main) B&G: with gyrocompass, calculator and electro-hydraulic jack (LS)

AUTOMATIC PILOT (auxiliary) B&G: with fluxgate compass, calculator and electro-hydraulic jack (LS)

RAYMARINE "PATHFINDER" receiver

GPS-PLOTTER-RADAR Receiver with 12" LCD screen

Chartplotter colour radar 10.4" TFT-HSB2-MARPA

Overlay-ant radome 18" 24mm

Screen RL 70C 7"

FIXED FURUNO GP32 GPS

FURUNO VHF with class D receiver

INMARSAT MINI M MARINE

NAVTEX FURUNO NX300 PRO bi-frequency

DISTRESS BEACON 406 m Programmed

DVD Television combo 20" with antenna

Positioning, starting and adjustments

MOORINGS

Forward:

- One hydraulic Lewmar vertical windlass 3000 W (24 v) specified for a 12mm diameter chain
- A 12mm diameter chain, 100 m long
- A 40 kg Delta anchor with an articulated hook
- A 12 kg Delta anchor provided to moor anchors in tandem
- A light anchor FORTRESS 8.6 kg
- 10 m of chain 12 mm diameter
- 80 m of squarline or similar

Aft:

- A flat anchor (Britany) 25 kg
- 10 m of chain 12 mm diam.
- 40 m of squarline or similar
- Two 15 m long hawsers
- Two 20 m long hawsers
- 8 cylindrical fenders
- 2 flat fenders

SECURITY

- 1 Transocean 10 seater liferaft (in container)
- 8 PILOT 150N inflatable Lifejackets (including harness)
- 2 TYPHON 100N shoulder straps
- 2 harness straps
- 1 radar reflector
- Wire cutters
- 1 distress signal flares kit
- 1 fog horn
- 2 buoys and floating Lifebuoy lights
- 1 signalling mirror
- 1 divider
- 1 bucket
- 1 kit of wooden plugs
- 1 retractable boat-hook
- 1 depth line
- 1 flag kit
- 1 first aid kit
- 1 bailer
- 1 electric torch
- 1 black "boule"
- 1 black "cône"
- 1 bell
- 1 survival blanket

FIRE FIGHTING:

One FM 200 automatic extinguisher (inside engine compartment)

One 2kg powder extinguisher (access from the exterior)

One 2kg à powder (access from the interior)

One 2kg foam extinguisher (for the electronic equipment)

One fire blanket

DESIGN AND HOMOLOGATION CERTIFICATE

THIS CHAPTER INCLUDES THE FOLLOWING SERVICES:

- 1) Naval Architect - designer - project manager and engineering (design office)
- 2) European norm homologation

1) DESIGNER FEES

Breakdown

CUSTOMER SERVICE

Yacht specifications and design meetings, ensuring customer preferences are fully understood and discussed.

Follow up meetings during the construction process, telephone contacts, e-mails, visits etc.

PROPOSAL

Proposal presentation in book format (A3 scale 1/100 and 1/50), including the following plan views:

- Interior design with positioning of main structural elements
- Deck plan
- Longitudinal section view
- Presentation profile with general specifications and sail plan

The initial file may include options and is subject to change as per customer preferences. Once finalised, and fully agreed, it will serve as the basis for all future project development. Additional work will be invoiced at the current hourly rate.

PROJECT

Final project drawings scale 1/20 (basis document for implementation plans), including the following:

- Interior design drawings (with basic description of choices and technical equipment positioning)
- Deck plan (with deck fitting and portholes preliminary positioning)
- Longitudinal section view (with preliminary floor measurements, furniture and equipment and tanks positions).
- Profile view with decorative proposition (hull color and writing).
- A full set of 3d drawings and views including exterior aesthetic verifications

Execution Plans

Full set of drawings for the implementation of the interior design (scale 1/20 and 1/10)

- Interior design plan (with description of final choices and final positioning of technical equipments)
- Electricity distribution plan (plugs and lighting)
- Deck plan (with full description of deck equipment, deck fittings and evaluation for surface treatment choices (point, teek))
- Longitudinal section view (including final floor measurements and furniture, as well as the positioning of equipments and tanks)
- Transversal section document (including final position of furniture and measurements)
- Profile (with proposal for decoration and writing)
- Manoeuvres plan view (with description and definition of manoeuvres)
- A full set of 3d views of interior design

Project Manager

This job includes regular visits during the all interior construction process, all finishings (dodger, bimini, upholstery and painting) as well as the updating of designer drawings due to modifications during the construction.

Photographic record of the entire construction process, transferred to CD, with regular e-mails.

3) PROJECT MANAGEMENT AND ENGINEERING

Weight estimates and technical specifications

Construction of an accurate weight estimate and realisation of a "technical specification" document.

Technical drawings

- Tank and ballast
- Sea cocks and gates
- Water circuits (hot and cold water)
- Drainage circuit
- Black water and Grey water circuits
- Gasoil circuit and engine cooling systems
- Heater circuit
- Air conditioning and ventilation circuits
- Hydraulic circuit
- Engine position, exhaust system and ventilation
- Generator positions, exhaust system and ventilation
- Steering system
- Gas installation and gas system
- Fire fighting system
- Safety device position
- Safety exits
- Porthole and panel positions

4) ADDITIONAL DOCUMENTS

OWNERS MANUAL: (according to the ICNN European norms directives)

Owners manual written, including all information and necessary technical drawings.

OTHERS:

A file with complete electrical diagrams, and relevant equipment documentation. Full detailed stock take of all equipment.