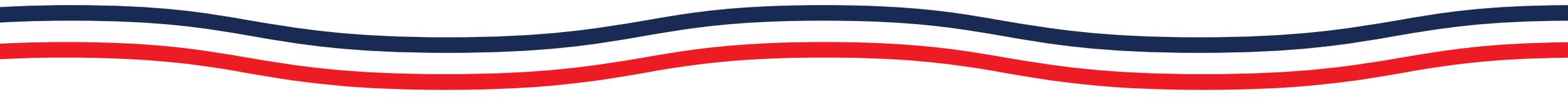


INTERNATIONAL SAIL TRAINING AND TALL SHIPS CONFERENCE  
2018

**SESSION 4C**

SAIL TRAINING VESSEL RESTORATION,  
DESIGN AND SUCCESSFUL CROWDFUNDING



# Saving sail training yacht Vesta

Madis Rallmann  
STA Estonia

[Madis@staestonia.eu](mailto:Madis@staestonia.eu)

# Vesta

- Cetus 44
- Built 1985
- Length 13.6 m
- Beam 3,98 m
- Draft 2,3 m
- Polyester fiberglass



# Vesta

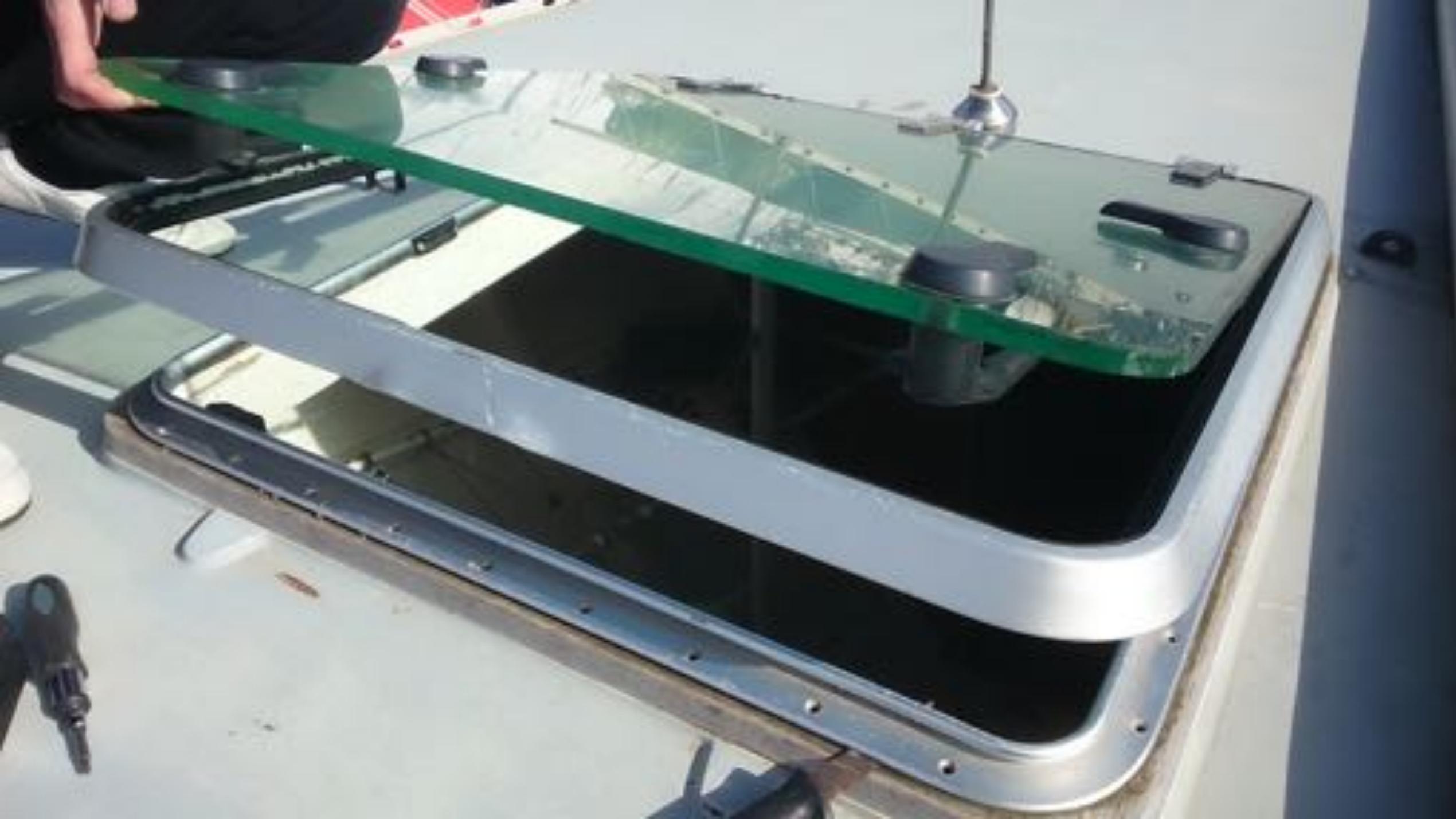
- First boat under Estonian flag to sail in The Cutty Sark regatta in 1992
- First yacht to sail with Estonian crew in the Gotland runt
- Long time sail training vessel for Maritime school



# Vesta

- In 2013 she was decommissioned by Maritime academy











































- Little bit over 200 liters of Polyester resin
- Over 100 kg fiberglass
- About 10 square meters of foam
- Thousands of gloves
- A lot of acetone

































- More than 30 volunteers
- Margus Zahharov, Liivika Näks, Linda Marie Ormus, Peep Krusberg, Mai Ormus, Helen Ormus, Madis Scheer, Kristjan Pärna, Dea Taur, Marcus Halliko, Kristina Kärk, Ergo Mets, Mikk Andreson, Markus Näks, Artur Rallmann, Madis Rallmann, and many more































- From 04.2014-08.2017
- Over 5000 man-hours
- A lot of good publicity



# Sponsorship

- Privat sponsors
- Port of Tallinn



# Sponsorship

- Privat sponsors
- Port of Tallinn
- Tallinn Maritime fair



# Sponsorship

- Privat sponsors
- Port of Tallinn
- Tallinn Maritime fair
- Alfons Hakans



# Crowdfunding

- [New mainsail](#)
- [www.hooandja.ee](http://www.hooandja.ee)
- Estonia 100
- Target 3100 €
- Result 3988 €
- 70 backers
- Largest sum 300 €
- Majority 50-100 €



# Eneloop Ambassador Tour

- Linda Marie Ormus and Madis Rallmann were Panasonic Eneloop Ambassadors from Gdansk to Tallinn with Vesta.



A photograph of a sailboat's deck at sunset. The sky is filled with soft, colorful clouds in shades of pink, orange, and purple. The sea is dark and calm. The boat's white deck, masts, and rigging are visible in the foreground and middle ground. The text 'eneloop™ expedition' is overlaid in the upper left corner.

eneloop™  
expedition

ambassadors'  
tour

Was it worth it?

# Thank You!

Madis@staestonia.eu

**PORT OF  TALLINN**  
The Port of Good News

 **ALFONS HÅKANS**  
WE MAKE IT HAPPEN





# Tall Ship Design

## Tailor made

**Thomas van Es**  
Dykstra Naval Architects

30th of November 2018 | STI Conference | Seville, Spain

# Introduction



Thomas van Es  
Dykstra Naval Architects

# Introduction



# So what does the tailor do?

## Tall ship design brief

- Function
- General arrangement
- Rig and performance
- Style and aesthetics
- Classification
- Systems
- Anything else?



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# So what does the tailor do?

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# Function

What are we going to do?  
Crew or guest?  
Training or relaxing?  
Where are we going?

## Ship type

- Navy sail training ship
- School ship
- Charter
- Corporate hospitality
- Passenger vessel



# General arrangement

Ships purpose

Logistics

Luxury or purpose built

- Cabins
- Banjer (multi functional)
- Dormitories

Crew quarters

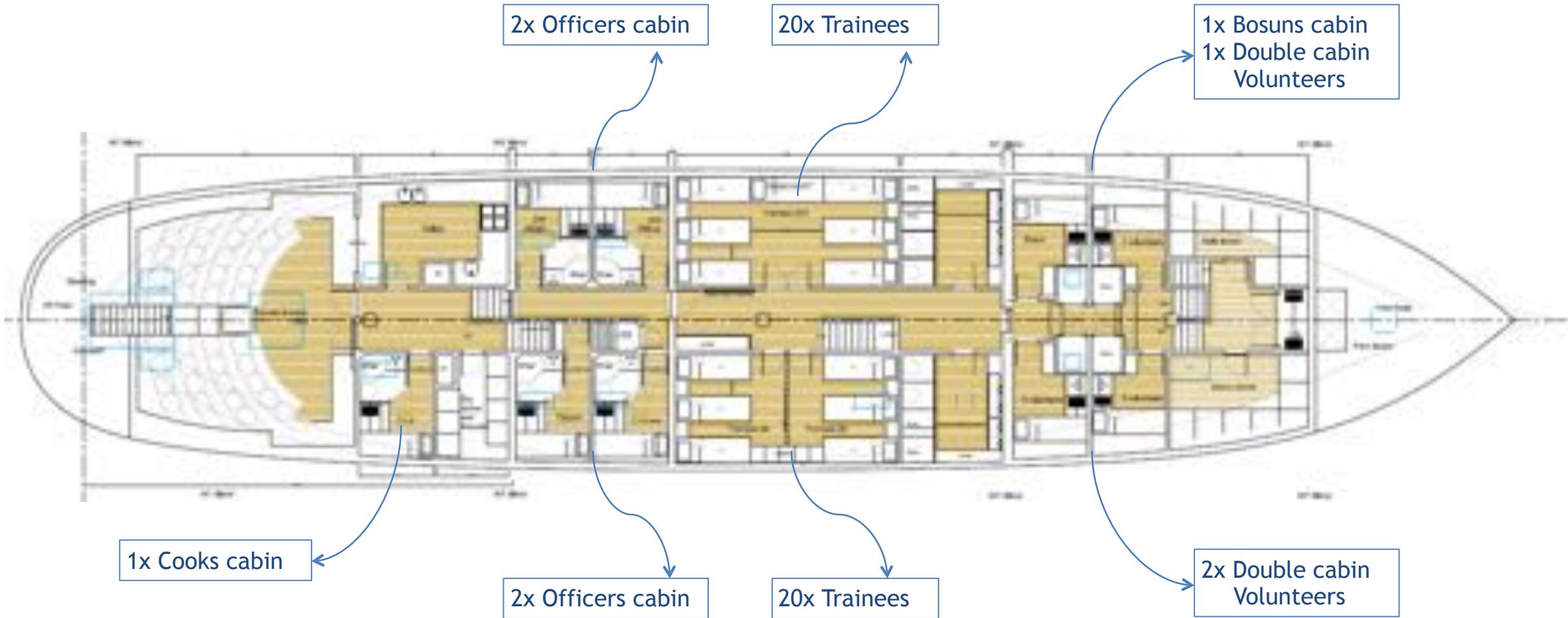
Storage requirements

Technical spaces

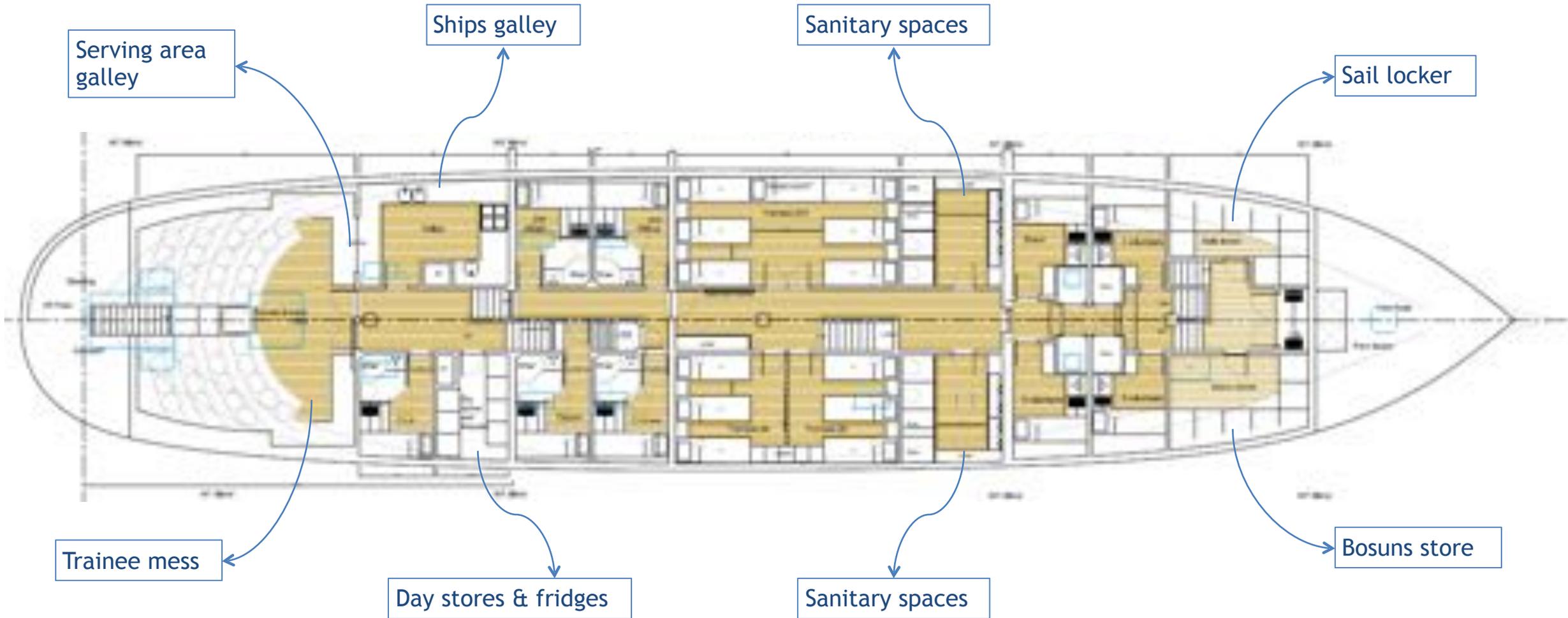
Deck layout



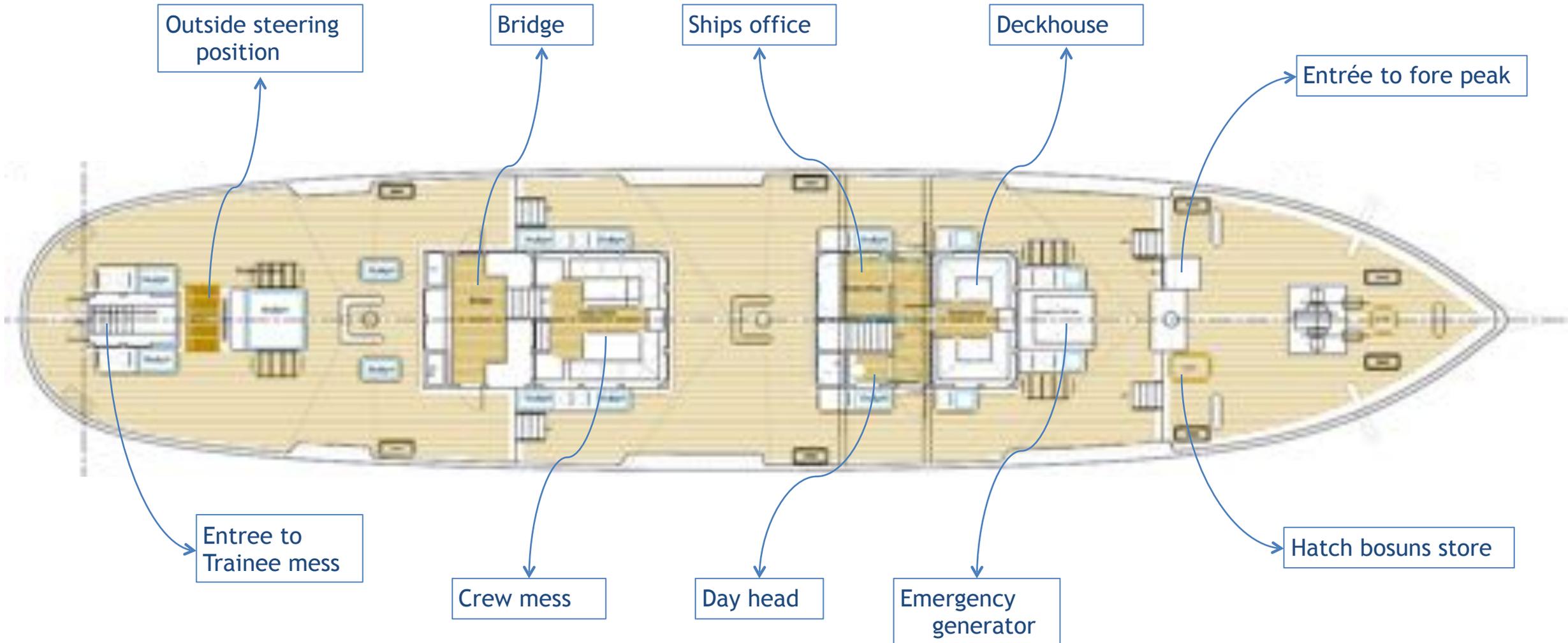
# General arrangement



# General arrangement



# General arrangement



# Rig and performance

Fore and aft or square  
Simple and safe or complicated and demanding  
Traditional or contemporary

Balance  
Performance  
Maintenance



Schooner



Brigantine



Brig



Barquentine



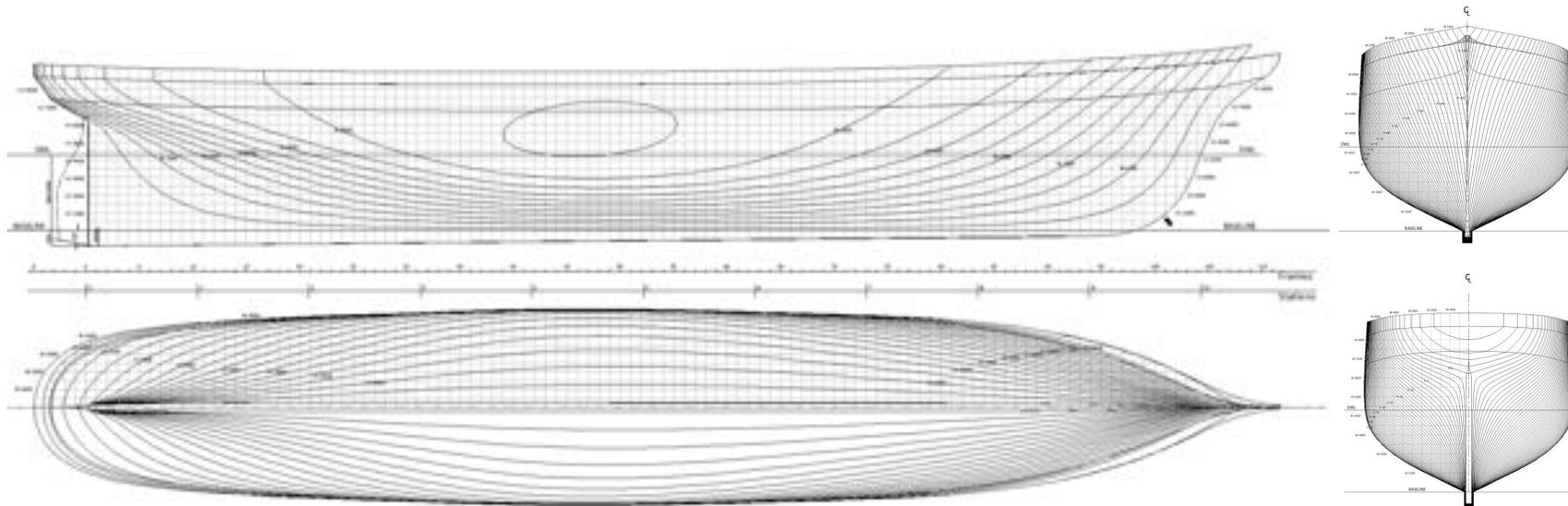
Barque



Fully Rigged Ship

# Rig and performance

Hull lines  
Sail balance



# Style and aesthetics

Heritage

Purpose built or hi-end

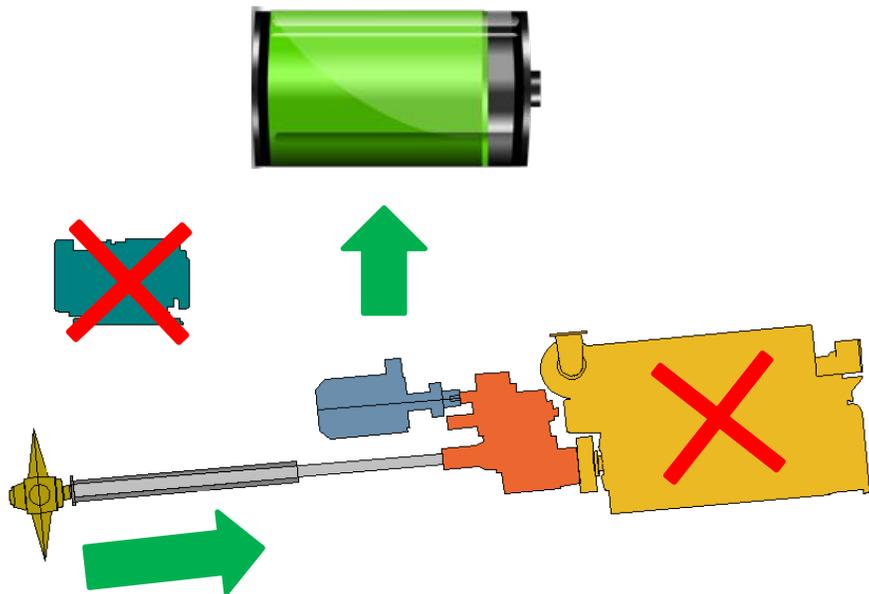
Hull lines and rig

Deck layout and finish



# Systems

Conventional or sustainable?  
Think ahead



106m Black Pearl

# Classification

Flag state

Type of Class society

Type of classification

- Training (cargo)
- Passenger
- SPS (yacht)

Design limits - put your self in the right box

- GT size
- Number of passengers
- Length
- Sailing region



# Your design



# Your design



# Your design



Thank you for your attention!











Mariehamns redid.







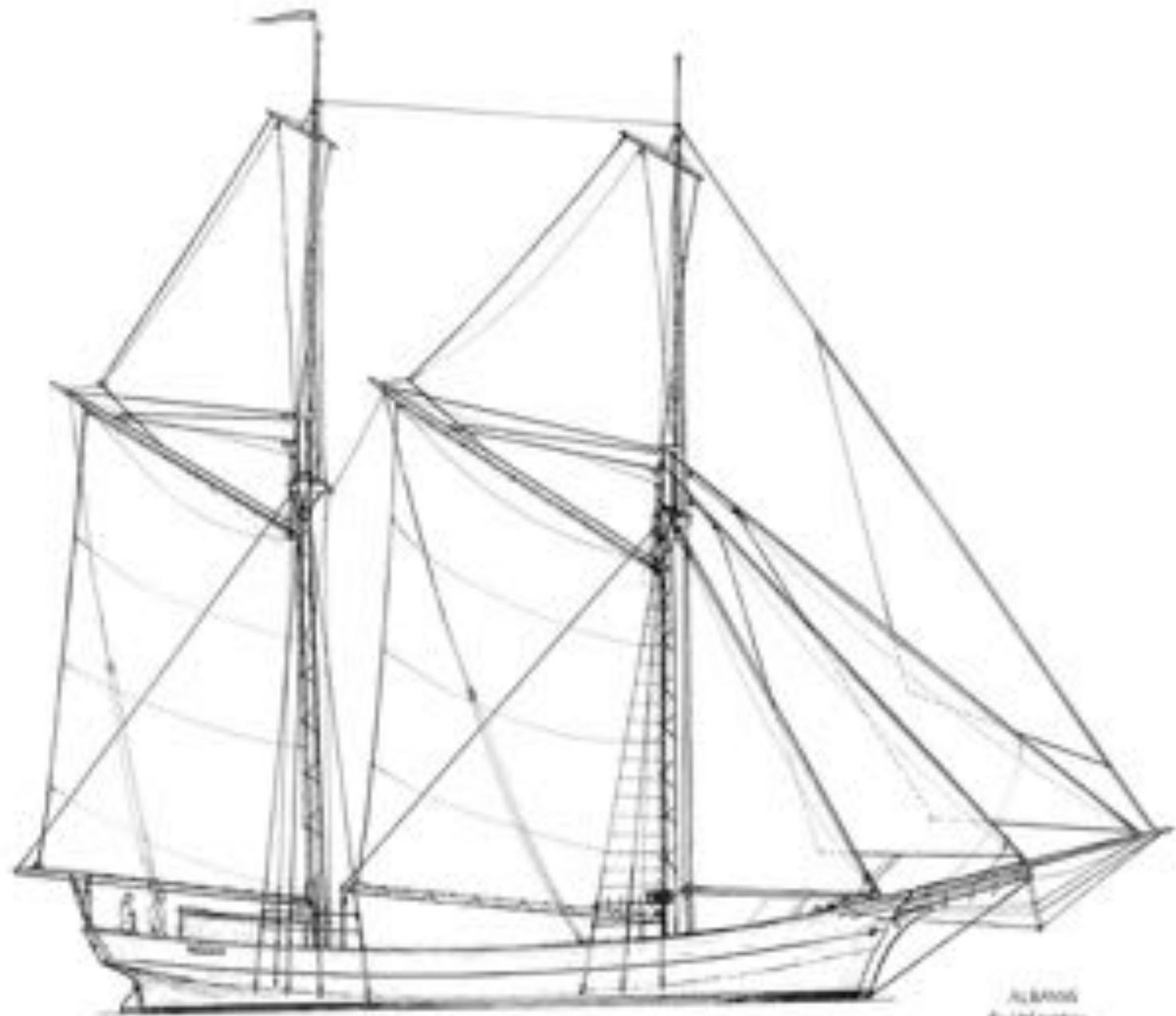
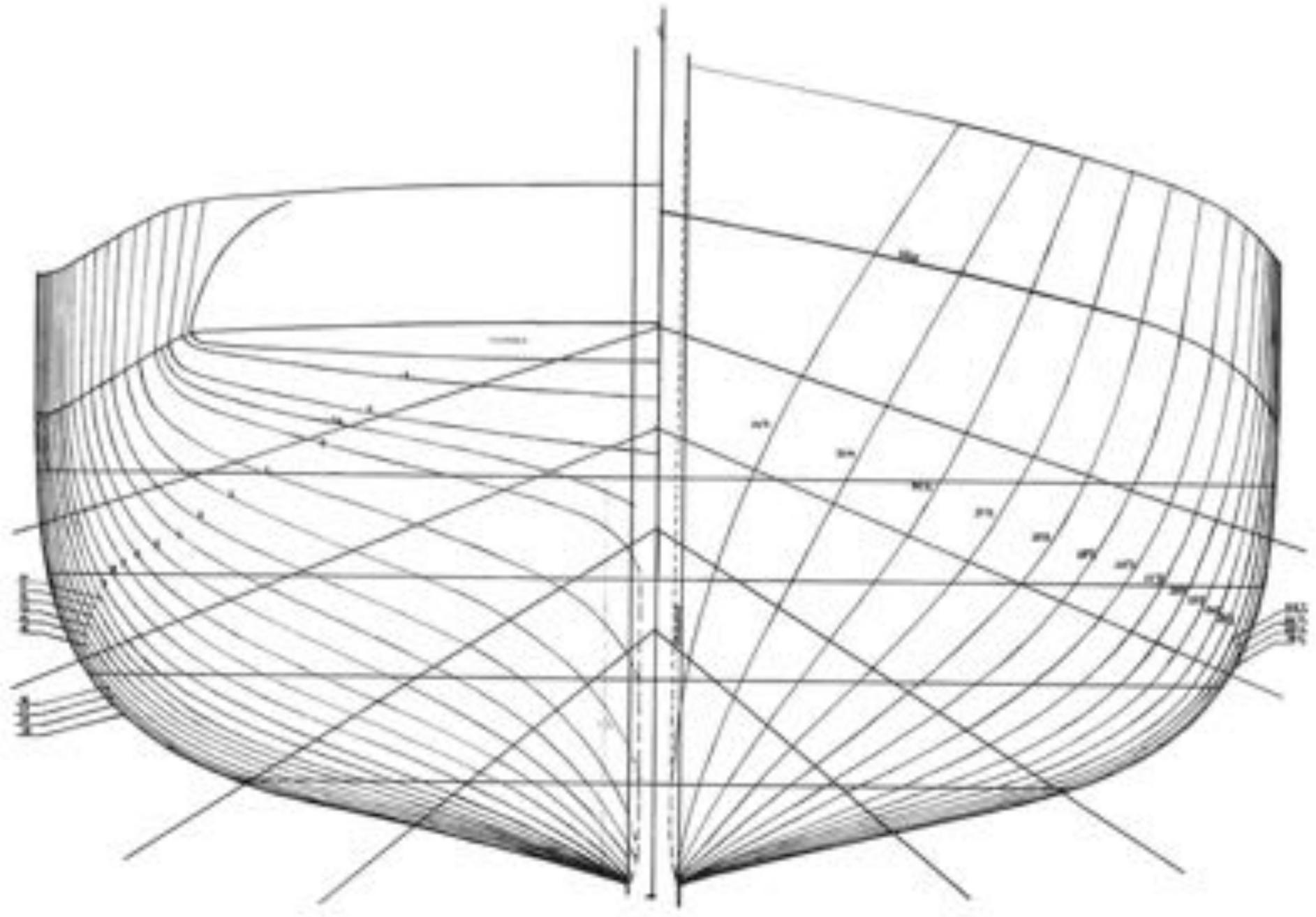
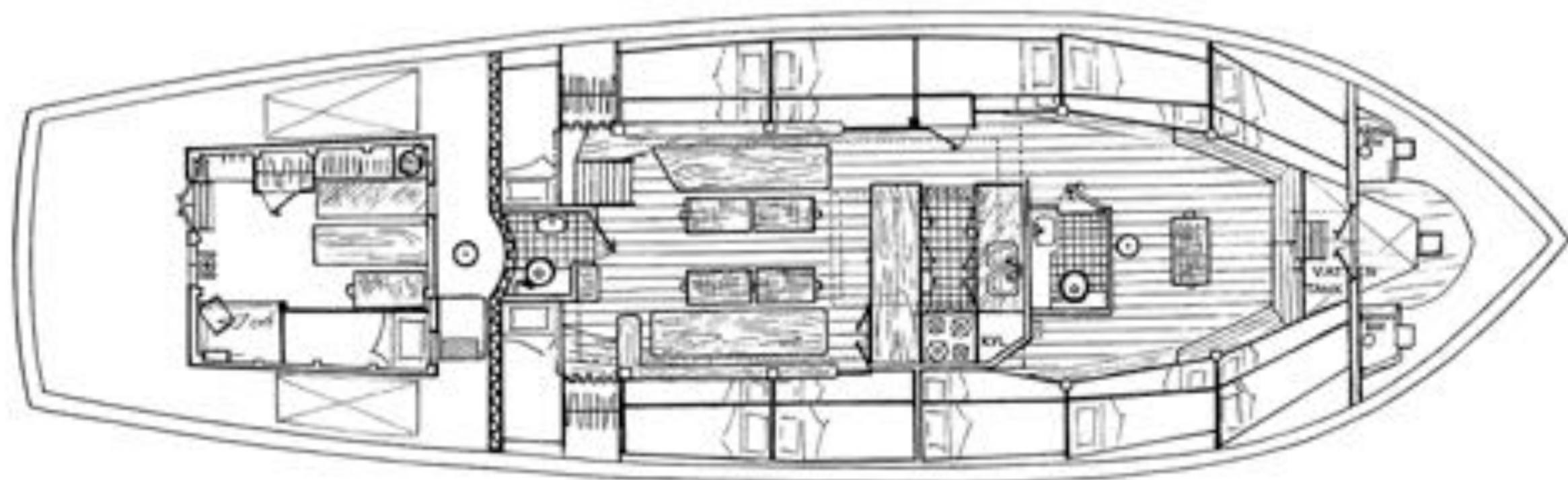


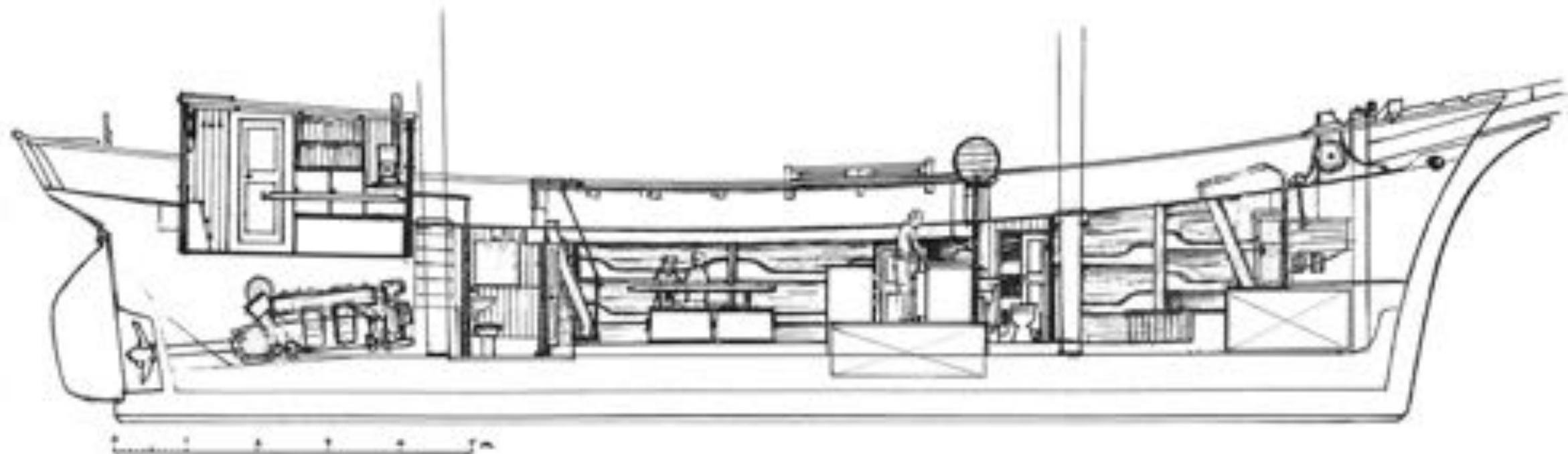
Fig. 1000  
Schooner  
1850





ALBATROSS	WINDMILL II
<i>Albatross</i>	3. 10. 77

ALBAVIS - 1880  
T. N. 18





























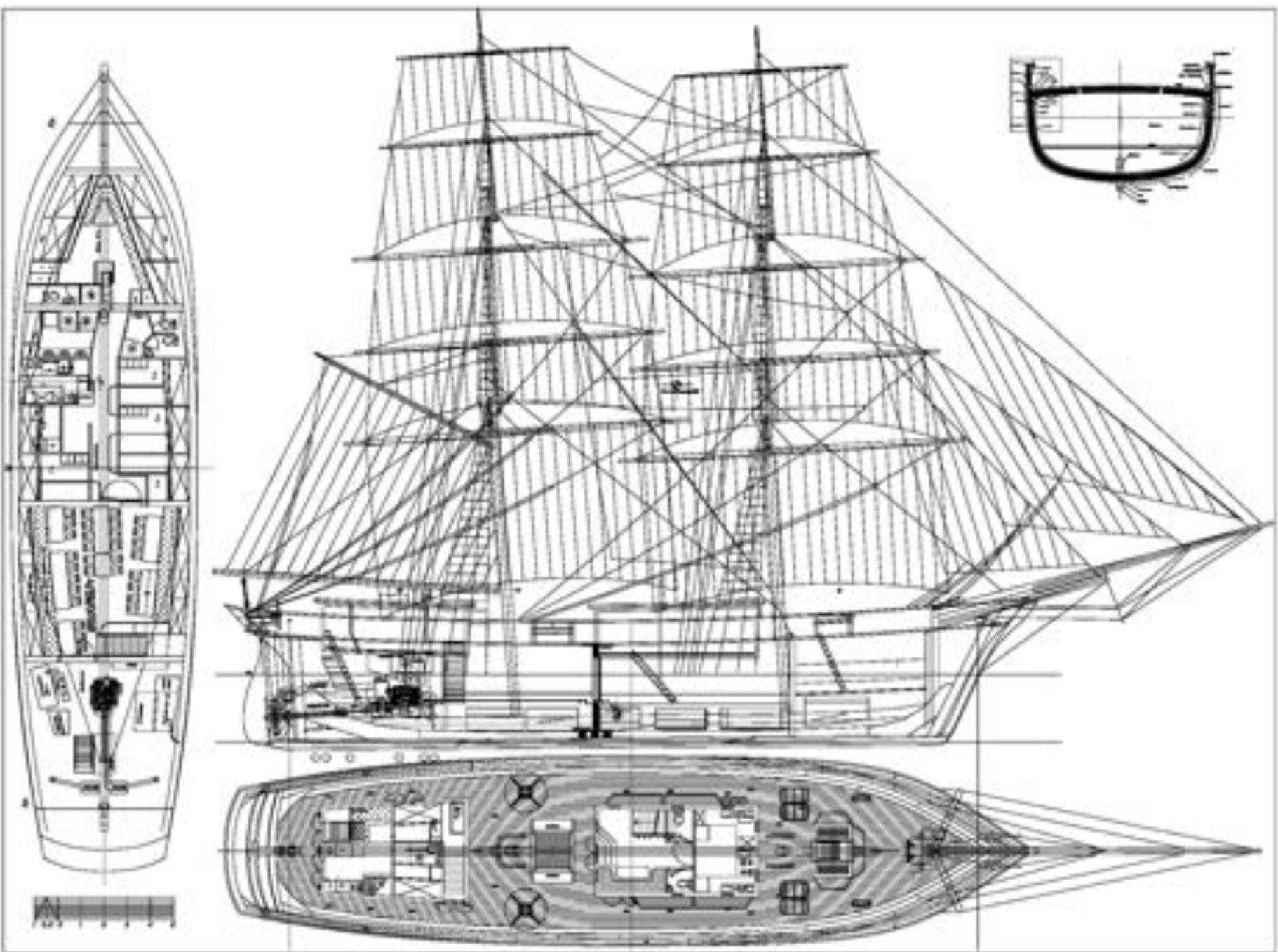


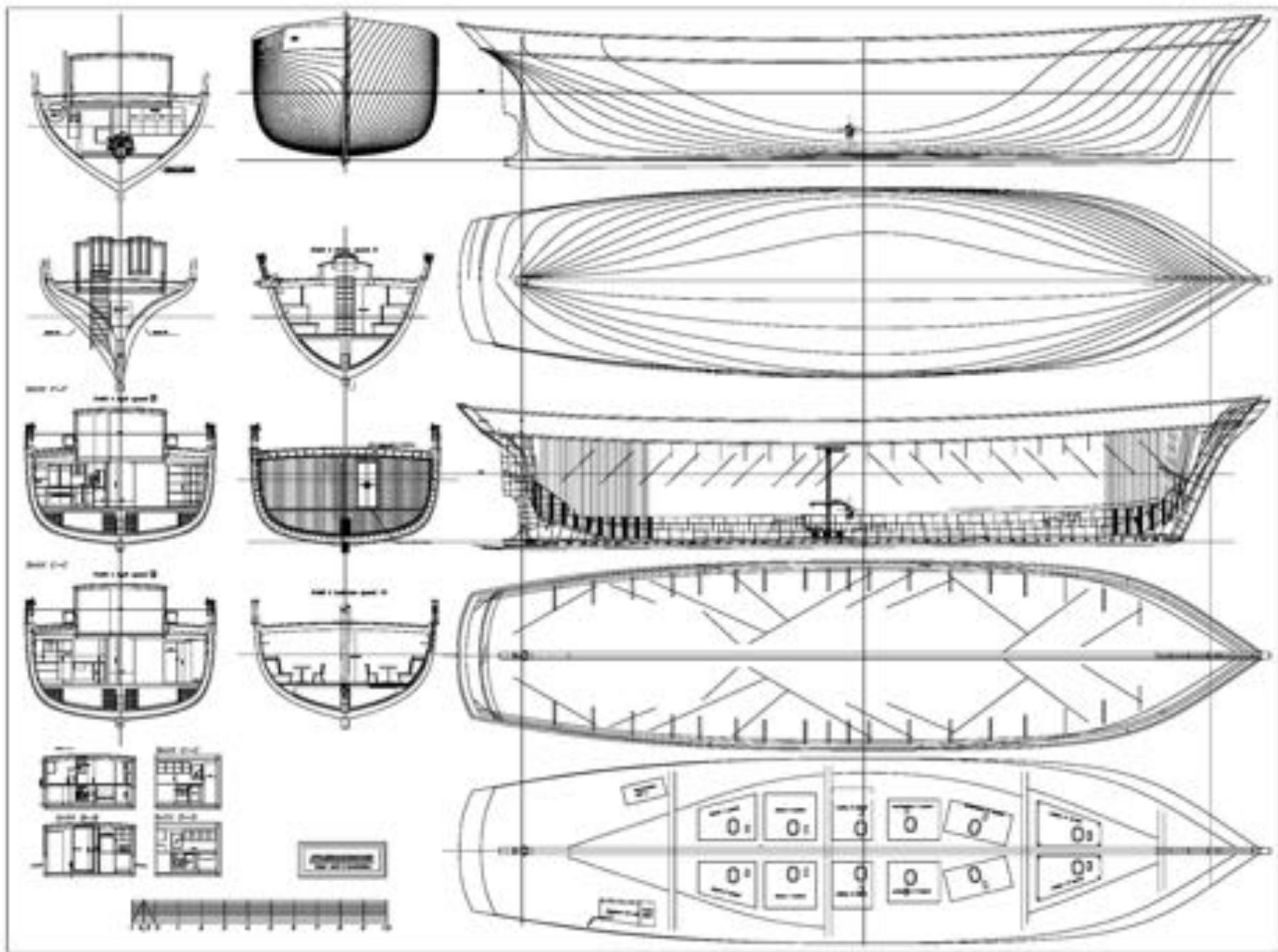


















































































111-  
11-  
11

Arbeten  
Barnstyggs  
formar

Arbeten  
Barnstyggs  
formar

Arbeten  
Svampills  
rust an



Arbeten  
Låxor och larva  
candemassal (svamp)  
Mottarna med larva  
och sprind



Arbeten  
Spålar utrymnen



Arbeten  
Rästmåls fast  
lång-käms  
(Dreligt block)  
Anväs































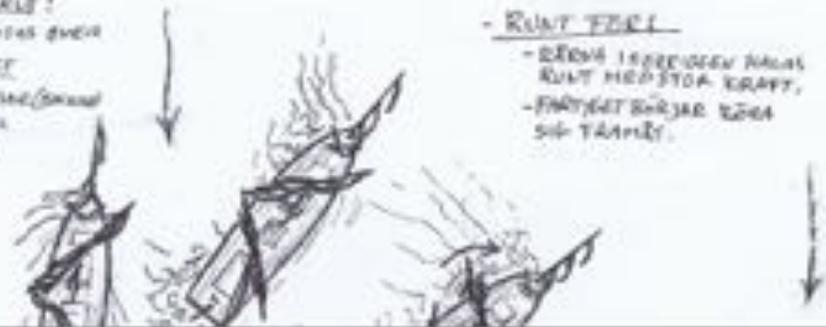






- HÅL ÖVER FÖRST!  
FÖRSTÄLLN SKÄRS ÖVER  
- LÄGG ON BAKSET  
OM FÄRTYGET DRJNAR ÖKAD  
LÅGSK BAKSET ÖVER  
TILL ANDRA SIDAN

- FÄRTYGET STANNAR UPP I  
VINDEN MEN  
VINDEN TRÖCKER FÖRRIKSEN  
ÅT STYRSIDAN OCH  
STÖRRELEN ÅT BAKSET



- RUNT FÖRST  
- BÄNDRÄDDNINGEN HÅLLS  
RUNT MED STOR KRAFT,  
- FÄRTYGET BÖRJAR KÖRA  
SÅ TÄMMET.

- SKÖP FÖR!  
- DETT BIDEVIND  
- SKOLEN TRINNA OCH  
FÄRTYGET FÖRVAR TIDEN  
PÅ DEN NYA SIDAN.













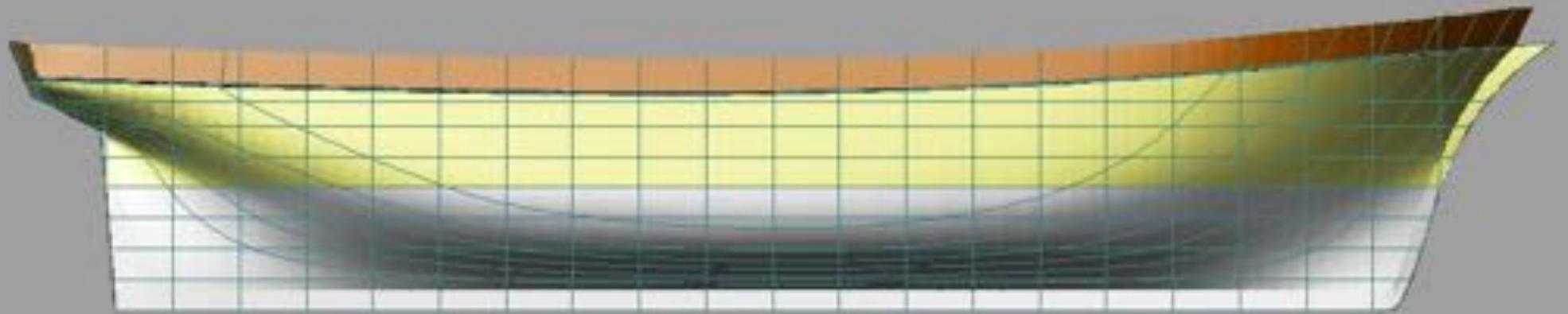


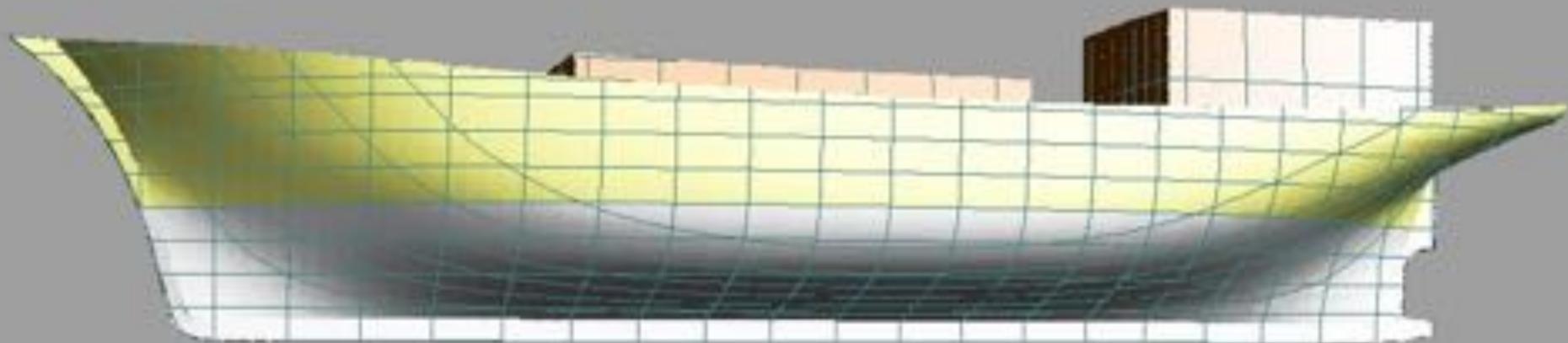


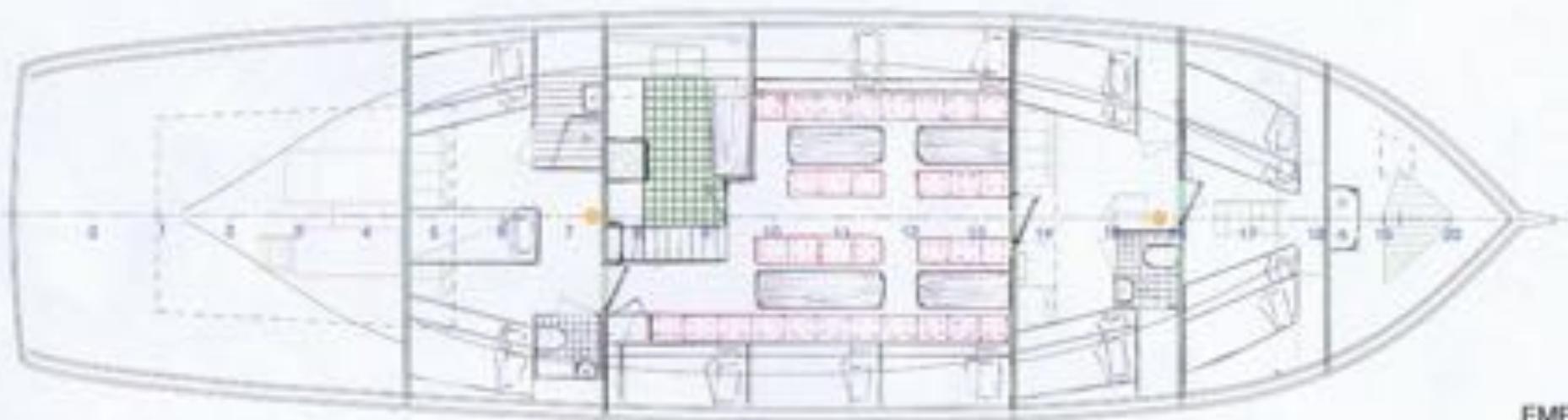
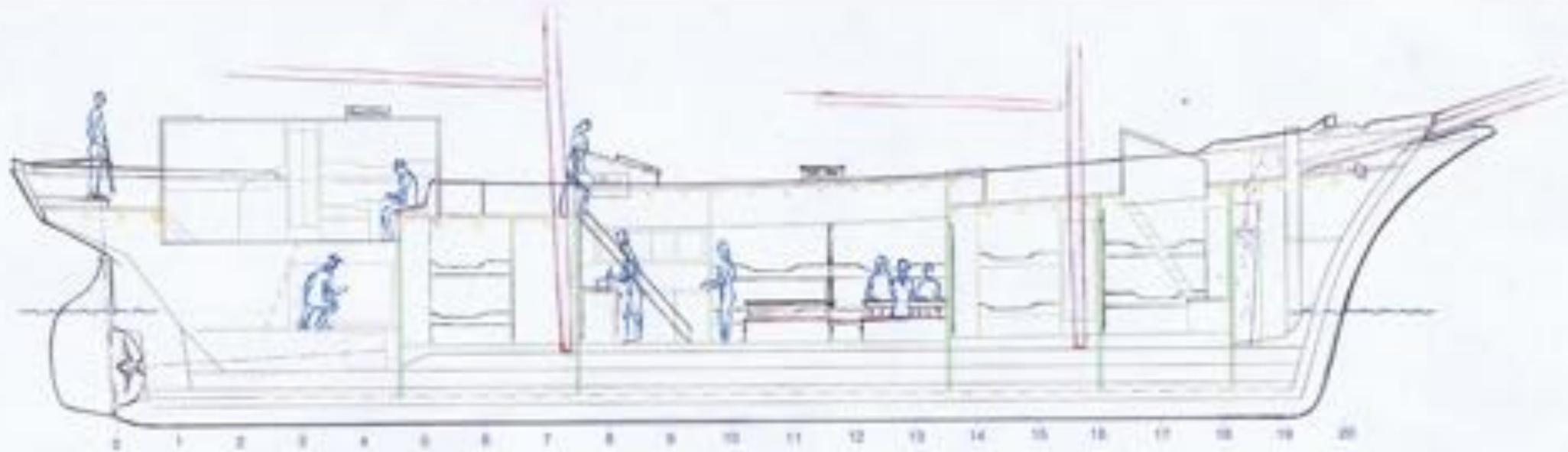


Projekt 'Emelin'. Nord.

Alfred... 1883







EMELIA  
ARRANGEMANG





