



# Owner's manual



**Juha Snell Oy**

Oppipojantie 14 ja 16, 04500 Kellokoski  
tel. +358 9 279 71 200



## Foreword

### **Dear Owner of a Finnish Faster boat!**

**We thank you for choosing Faster and wish you many pleasant experiences on the water.**

This Owner's Manual is intended to help you use your boat in a safe and enjoyable way. It provides a detailed description of the boat and related equipment and accessories, as well as information about the proper operation and care of the boat. Please read this manual carefully and familiarise yourself with your boat before using it for the first time.

This Owner's Manual alone is not a sufficient source of information on seamanship or boating safety. If this is your first boat, or you have switched to a type of boat that you are not yet familiar with, for your own comfort and safety, make sure that you gain handling and operating experience before taking over the responsibility of captaining the boat. The seller of the boat, boating clubs and national boating or sailing associations will be happy to recommend local boating schools or competent instructors.

Make sure that the design category of your boat corresponds to the anticipated wind and wave conditions and that you and your crew are able to handle the boat in these conditions. The wind and wave conditions corresponding to design categories A, B, and C range from a storm to strong winds involving a risk of exceptional waves and gusts. Even if your boat is designed for these conditions, they can be dangerous and operated in safely only by a competent, fit and trained crew operating a well-maintained boat.

This Owner's Manual is not a detailed maintenance or troubleshooting guide. In case of problems, contact the boat manufacturer or dealer. Always use qualified and trained personnel for maintenance, repairs and modifications. Changes that may affect the safety features of the boat must be assessed, implemented and documented by a qualified person. The boat manufacturer cannot be held responsible for changes that it has not authorised.

In some countries, a special boating licence or authorisation may be required to operate the boat. Additional regulations may also apply.

Always keep your boat in good condition and take into account wear and tear resulting from ageing and heavy use or misuse. Any boat – regardless of its strength – can be seriously damaged if not used properly. This is not compatible with safe boating. Always adjust the speed and direction of the boat to the wave conditions.

If your boat is equipped with a life raft, carefully read its operating instructions. The boat should be equipped with the appropriate safety equipment, such as life jackets and safety harnesses, according to the type of boat and weather conditions, for example. This equipment is mandatory in some countries. The crew should be familiar with the use of all safety equipment and emergency manoeuvring, including man overboard recovery and towing. Boating schools and clubs regularly organise rescue exercises.

All persons onboard should use buoyancy aids, life jackets or boating vests on deck. Please note that in some countries, national boating regulations may require everyone aboard to wear a personal flotation device whenever onboard.

**Please keep this manual in a safe place and give it to the next owner if you sell your boat.**

## Table of contents

|                                                       |    |
|-------------------------------------------------------|----|
| Foreword                                              | 2  |
| Table of contents                                     | 3  |
| Before setting off:                                   | 4  |
| 1. General                                            | 5  |
| 2. Definitions                                        | 5  |
| 4. Maximum number of persons                          | 7  |
| 5. Loading                                            | 7  |
| 6. Engine and propeller                               | 7  |
| 7. Prevention of water incursion and stability        | 8  |
| 8. Prevention of fire and explosions                  | 9  |
| 9. Electrical system                                  | 10 |
| 10. Operation                                         | 11 |
| 11. Proper use – other recommendations and guidelines | 13 |
| 12. Warranty                                          | 15 |
| 13. Servicing and winter storage                      | 15 |
| 14. Painting the boat                                 | 17 |
| 15. Using the boat ramp and loading the boat          | 17 |
| 16. Swing seat box                                    | 19 |
| 17. Repairs                                           | 19 |
| 18. Technical data                                    | 20 |
| Painting measurements                                 | 22 |
| Description of tank                                   | 29 |
| Propeller chart and outboard mounting height          | 29 |
| Electrical diagram 465                                | 30 |
| Electrical diagram 495                                | 35 |
| Electrical diagram 525                                | 40 |
| Electrical diagram 545                                | 45 |
| Electrical diagram 570                                | 51 |
| Electrical diagram 635                                | 56 |
| Declaration of Conformity                             | 61 |

## Before setting off:

Familiarise yourself with this Owner's Manual. Always check the following before setting off:

- ✓ **Weather conditions and forecast**

Take into consideration the wind, waves and visibility. Are the design category, size and equipment of your boat, as well as the skills of the skipper and crew, sufficient for the type of water you are going to? In strong winds and big waves, hatches must be closed to prevent splash water from entering the boat.

- ✓ **Load**

Do not overload the boat and distribute loads appropriately.

To avoid impairing the stability of the boat, do not place heavy objects in elevated positions.

- ✓ **Passengers**

Make sure that everyone onboard has a life jacket.

Assign the duties and tasks of each member of the crew before setting off.

- ✓ **Fuel**

Check that there is enough fuel, including sufficient reserves in case of bad weather, for example.

- ✓ **Engine and equipment**

Check the functioning and condition of the steering, electrical equipment and battery, and carry out the routine checks required by the owner's manual of the engine. Check the seaworthiness of the boat also in other regards, for example by making sure there are no fuel or water leaks and that all safety equipment is onboard. Check that the amount of bilge water is at a minimum. Additional instructions for the engine can be found in the separate owner's manual for the engine.

- ✓ **Ventilation**

Take care of the ventilation of fuel compartments to reduce the risk of fire.

- ✓ **Fastening of items**

Check that all items are fastened in such a way that they remain in place even in big waves and strong winds.

- ✓ **Nautical charts**

If you are not navigating totally familiar waters, make sure you have nautical charts covering the entire area.

- ✓ **Departure and docking**

Agree in advance who will release each mooring line, for example. Be careful not to let mooring lines or other ropes tangle with the propeller during manoeuvring. Check the functioning of the bow propeller.

# 1. General

This Owner's Manual will help familiarise you with the properties and features of your new boat, as well as its care and maintenance. This Owner's Manual is not intended to serve as a complete maintenance guide or repair manual, but rather to help the user get to know the features of their new boat and to use their boat in an appropriate way.

It is the responsibility of the owner and skipper of the boat that the boat is used according to its intended use.

Separate manuals for installed equipment are attached to this Owner's Manual and are referred to in many sections. Other manuals for devices that are installed afterwards can also be attached to this Owner's Manual. In addition, there is space for your own notes at the end of this Owner's Manual.

## Before use

### ✓ Registration

In Finland, according to the Water Traffic Act, any watercraft equipped with an engine or sails with a hull length of at least 5.5 metres and any watercraft equipped with an engine producing at least 15 kW, i.e. more than 20 horsepower, must be registered. You can get more detailed instructions on registration from the Finnish Transport and Communications Agency Traficom. The operator of a registered boat must be at least 15 years old.

### ✓ Insurance

Boat insurance can cover damage that occurs on the water or during transport and docking. Check your insurance liability for raising the boat. Insurance also has an indirect effect on safety on the water: in the event of a serious accident, you can focus above all on saving people. Insurance companies can provide more detailed information about different insurance options.

### ✓ Training

No one is born an expert, and boating is no exception. There are plenty of books about boating, and navigation courses are offered by the Finnish Navigation Association (Suomen Navigaatioliitto, tel. +358 50 5508827, <https://suomennavigaatioliitto.com/>) and adult education centres.

Information about boating courses is available from the Finnish Sailing and Boating Association (SPV – Suomen Purjehdus ja Veneily ry, tel. +358 40 834 3407, <https://spv.fi/>). These courses provide a good foundation for your skills, but confidence in boat handling, navigation, mooring and anchoring is achieved only through extended practice. Information about local boating clubs and their activities is also available from SPV.

# 2. Definitions

The warnings and cautions used in this Owner's Manual are defined as following:

#### **IMMEDIATE DANGER!**

Indicates a serious hazard that will result in death or serious injury if proper precautions are not taken.

#### **DANGER!**

Indicates a potential hazard that could result in death or serious injury if proper precautions are not taken.

#### **WARNING!**

Indicates a potential hazard that could result in injury if proper precautions are not taken.

#### **NOTE!**

Indicates important information related to the risk of damage to the boat, its parts or other property, but not to personal danger.

The units used in this manual are in accordance with the International System of Units (SI). In some cases, other units have been added in brackets. An exception to this is wind speed, for which the Beaufort scale is used as in the EU directive on recreational craft and personal watercraft.

### 3. Basic boat information

The technical specifications for your boat model are outlined in Appendix 1 at the back of this Owner's Manual.

The basic information of your Faster are as follows:

Manufacturer/dealer:

Juha Snell Oy Oppipojantie 14, 04500 Kellokoski, 09 27971200

Design category: The design category of your boat is indicated in the technical specifications.

Design category refers to the following:

**Category A:** The boat is designed for use in conditions where the wind strength may reach up to Beaufort force 10 (approximately 25 m/s) with corresponding wave heights. Such conditions may be encountered on extended voyages, for example when crossing oceans or in coastal waters when unsheltered from the wind and waves for several hundred nautical miles. Depending on the atmospheric conditions, gusts may reach approximately 32 m/s.

**Category B:** The boat is designed for use in conditions where the wind strength may reach up to Beaufort force 8 (approximately 21 m/s) with corresponding waves (significant wave heights up to 4 m, see Note below). Such conditions may be encountered on sufficiently long open sea voyages or in coastal waters unsheltered from the wind and waves for several tens of nautical miles. The described conditions can also be encountered on lakes that are large enough to generate such wave heights. Depending on the atmospheric conditions, gusts may reach approximately 27 m/s.

**Category C:** The boat is designed for use in conditions with a maximum steady wind strength of Beaufort force 6 (approximately 14 m/s) with corresponding waves (significant wave height up to 2 m, see Note below). Such conditions may be encountered on open lakes, in river estuaries and in coastal waters in moderate weather conditions. Depending on the atmospheric conditions, gusts may reach approximately 18 m/s.

**Category D:** The boat is designed for use in conditions where the wind strength is no more than Beaufort force 4 (approximately 8 m/s) with corresponding waves (significant wave height does not exceed 0.3 m, occasional maximum wave height of 0.5 m). Such conditions may be encountered in sheltered inland waters and coastal waters in good weather. Depending on the atmospheric conditions, gusts may reach approximately 12 m/s.

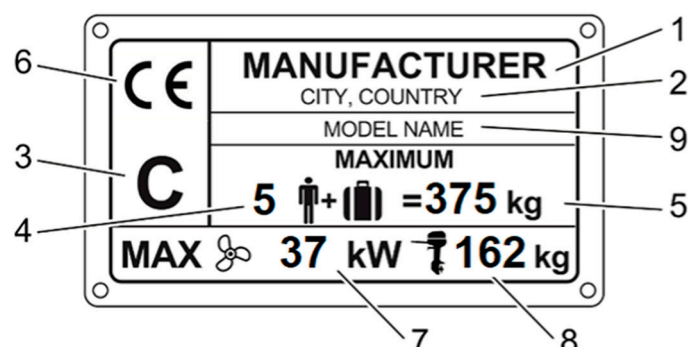
**Note!** The significant wave height is the average height of the highest third of all wave heights measured in the waters, which roughly corresponds to the wave height estimated by an experienced observer. Some individual waves may be approximately double this height.

#### Main dimensions and capacities:

The boat's precise technical specifications, such as length, beam, draught, unloaded weight, total weight and tank capacities, are presented in the technical specifications.

#### Builder's plate:

The builder's plate (fig.1) on the boat contains some of the information specified above. Detailed information that supplements the information provided on the plate is given in the relevant sections of this manual.



**Figure 1.**

Information presented on the builder's plate (Note: the plate does not refer to a specific model):

1. Name of manufacturer
2. Contact information for the manufacturer/dealer
3. Design category
4. Maximum number of persons
5. Maximum recommended load (kg)
6. CE marking
7. Maximum output of outboard(s) [kW]
8. Maximum weight of outboard(s) [kg]
9. Model name

## 4. Maximum number of persons

The maximum permissible number of persons on board is indicated in the technical specifications. The seats designated for them are shown in the illustration in the technical specifications.

### **WARNING!**

**Do not exceed the maximum permissible number of persons.**

**Regardless of the number of persons on board, the total weight of persons and equipment must never exceed the maximum permissible load**

(see Section 5: "Loading"). Always use the seats or seating spaces provided.

## 5. Loading

The maximum permissible load of your Faster is indicated on the builder's plate and the technical specifications. This includes the following weights:

- a) The total weight of persons onboard amounting to (the default mass of an adult is 75 kg and of a child 37.5 kg)
- b) The total weight of personal items, other equipment, supplies and other stores, cargo (such as recreational equipment), a life raft and liquids carried in portable containers (such as water and fuel)

The maximum permissible load of your Faster including the weight of liquids in fixed tanks (such as fresh water, fuel and waste water) at 95% capacity is indicated in the technical specifications.

The maximum permissible load includes only the weight components listed above.

The weight of the unloaded boat and gross weight are presented in the technical specifications.

### **WARNING!**

**When loading the boat, never exceed the maximum permissible load.**

Always load the boat carefully and distribute loads so that the boat's design trim angle is not compromised (maintaining an even keel). Avoid placing heavy weights high up.

## 6. Engine and propeller

The maximum recommended engine output of your Faster boat is indicated in the technical specifications. The maximum permissible engine weight is indicated in the technical specifications.

Follow the instructions of the engine manufacturer when choosing the propeller for your boat.

The dimensions of the standard propeller on the original engine are listed in the separate propeller table.

Before setting off, always check that there is enough fuel and perform the daily inspection and maintenance recommended in the separate owner's manual for the engine. Periodic servicing and maintenance should always be carried out in accordance with the owner's manual for the engine.

A remote-control device that is equipped with an immobiliser must be used with the engine when the gear is engaged.

When starting the engine manually, follow the instructions in the separate owner's manual for the engine.

## 7. Prevention of water incursion and stability

### ✓ General

The prevention of water incursion and stability of the boat are based on the load situations outlined in the technical data.

### ✓ Openings in hull and deck

The location of drainage valves and through-hull fittings is outlined in the technical specifications. It is recommended that drainage valves be kept shut (except to drain rainwater from cockpits) whenever the boat is not in use.

There are 2 through-hull fittings for draining rainwater from the cockpit. These openings should be kept shut during maximum loading to prevent water incursion. In other loading conditions, keep these drainage valves open. On Faster 635 model, the rainwater drainage openings are not closed with separate plugs.

**NOTE!** When positioning seat boxes and accessories, ensure drain holes are easy to access.

In some storage compartments, water drainage outlets lead to the bilge. For this reason, you must keep the lids of the storage compartments closed while driving and when leaving your boat. The covers of the storage compartments are rainproof and splashproof. When washing the boat with plenty of water, any water that might have accumulated in the bilge should be removed immediately after washing.

### ✓ Bilge pumps and draining

Your Faster is equipped with bilge pump. Its location is indicated in the technical data. The capacity of the manual bilge pump located in the cockpit's locker is indicated in the technical specifications.

Check at regular intervals that there is no debris in the suction heads of the bilge pumps.

The owner is responsible for ensuring that at least one device for emptying the boat is kept onboard, and it must be secured to the boat. Note that the bilge pump system is not designed to cope with a leak caused by running aground or other hull damage.

**WARNING!** The bilge pump system is not designed to cope with a leak caused by running aground or other hull damage.

**NOTE!** Check at regular intervals that all bilge pumps function properly. Clear any debris from the suction heads. If seacocks are fitted in the fore and aft bulkheads, they must be kept closed and opened only to let water into the main bilge.

### ✓ Stability and buoyancy

Your Faster has been designed for good stability by locating heavy weights low and by keeping the cockpit and other recesses on deck relatively small. However, remember that large breaking waves are always a serious risk to stability.

Note also that the stability of your boat is reduced by adding weight up high. Any change in the distribution of weight onboard (such as adding a fishing tower, radar, changing the engine, etc.) may significantly affect the stability, trim and performance of your boat. Contact the boat manufacturer if you are planning such changes.

Bilge water should be kept to a minimum. In rough weather, hatches, lockers and doorways should be closed to minimise the risk of taking on water.

Take into account that stability may be reduced when towing or lifting heavy weights using a davit or boom.

Some Faster boats (not 635) have flotation elements that enable the boat to carry the load even when flooded. To find out which models have flotation elements, please refer to the technical specifications.

The flotation elements' material is outlined in the technical specifications as well.

The following openings are marked "Watertight closure – keep shut while underway", and care should be taken to observe this warning. These types of openings are the 545 ja 635 bow hatches.

#### ✓ **Running aground**

If you run aground, check immediately to see if the damage has caused a leak. Check especially the area around the keel, the through-hull fittings, the transom and the propeller.

Contact your insurance company and repair the damage as soon as possible. Prevention of fire and explosions



## 8. Prevention of fire and explosions

#### ✓ **General**

Follow general precautions when handling flammable substances and open flames.

#### ✓ **Engines**

After starting the engine, check the cooling water circulation.

Before refuelling, switch off the engine, stove and heater and extinguish any cigarettes. Do not operate any switches or devices that may produce sparks.

If your boat has a fixed fuel tank, the fuel filler (  ) is located at the rear of the boat on the starboard side.

When refuelling at a service station, do not use a plastic funnel because it will prevent the discharge of static voltage between the filler pistol and fuel inlet bushing. After refuelling (check tank capacity in the technical specifications), make sure that no fuel has leaked into the bilge or engine compartment. Wipe off any fuel splashes immediately.

Do not stow any spare tanks in unventilated spaces or unsecured. Equipment that contains fuel may only be stowed in compartments that are intended for that purpose.

Check the fuel lines once a year for wear at the lead-ins.

#### ✓ **Other fuel-burning systems**

Before refuelling, switch off the engine, stove and heater and extinguish any cigarettes. Do not operate any switches or devices that may produce sparks. Wipe off any fuel splashes immediately.

When using a heater or stove, make sure there are no flammable materials near the flame or other hot areas. Note the warning sticker next to the combustion device reminding you of sufficient ventilation.

### **WARNING!**

Open-flame combustion devices consume oxygen in the cabin and release combustion products into the boat. Insufficient oxygen supply can cause suffocation. Ventilation is essential when using the equipment. Open designated vents when gas appliances are in use. Do not use a stove or oven to heat the cabin. Never block the ventilation openings. (The boat manufacturer should include information on the locations and types of vents in living spaces with gas appliances.)

**WARNING!**

Make sure that the stove/heater's air intakes and exhaust pipe are not blocked when you use the device. Stove/heater exhaust components can be hot during and immediately after use.

Recommendations for storing spare fuel: keep spare fuel in containers made of a corrosion-resistant material, and keep the amount of fuel as small as possible. Spare fuel must be stored outside living quarters in a place where the temperature does not exceed 60 °C.

**✓ Fire protection**

When using your Faster, it must be equipped with portable fire extinguishers.

The location of the fire extinguisher is indicated in the technical specifications.

The minimum requirement for a fire extinguisher is specified in the technical specifications.

Portable fire extinguishers must be serviced annually. Fire extinguishers that are more than ten years old are not accepted without new pressure testing of the container. Should the fire extinguisher be replaced, for example due to expiry, discharging or other condition, the capacity of the new one must be at least equivalent to the old one.

Make sure that the fire extinguishing equipment is easily accessible even when the boat is loaded. Tell all crew members where the fire extinguishing equipment is located and how it works.

It is the responsibility of the owner/user to make sure that the fire extinguishing equipment is in working order and easily accessible even when the boat is loaded.

Keep the bilge clean and check regularly for possible fuel and gas vapours or fuel leaks.

Emergency exits, other than main access doors or hatches with fixed ladders, are equipped with an instruction plate.

**Important to remember:**

- Never block passages to exits and hatches.
- Never hinder access to safety equipment, for instance to fuel valves, gas valves or switches to the electrical system.
- Never hinder access to portable fire extinguishers located in a box.
- Never leave the boat unsupervised while the stove or heater is on.
- Never make alterations to any of the boat's systems (especially the electrical or fuel systems) or allow an unqualified person to make alterations to any of the boat's systems.
- Never refill a fuel tank when the boat's engine is running or the stove or heater is on.
- Never smoke while handling petrol or gas.

## 9. Electrical system

The electrical diagram of the boat is attached separately. Circuit fuses are located next to the corresponding switches, and the fuse sizes are also shown in the technical specifications.

Your Faster boat has resettable fuses, which can be reset in the event of an overload by pressing the toggle switch that popped down back up.

Do not alter the rated current amperage of the fuses or install any electrical components exceeding the rated current amperage of the circuit.

When leaving the boat for a longer period of time, turn off the main switch. Also switch off the power if you perform any electrical installations.

When connecting or disconnecting a battery, do not touch both terminals or a terminal and the hull of the boat simultaneously with metal objects.

Charge the batteries only with the installed charger or with one with similar capacity. Charging with overcurrent causes risk of explosion. Make sure that there are no obstructions to ventilating the battery box.

In case your Faster is equipped with a shore power system. When using it, pay particular attention to the following:

- ✓ Inspect the system at least every other year.
- ✓ Disconnect shore power connections when the system is not in use.
- ✓ Connect metallic housings or enclosures of installed electrical appliances to the protective conductor system in the craft (green or green with a yellow stripe conductor).
- ✓ Use double insulated or grounded (earthed) electrical appliances.
- ✓ If the reverse polarity indicator lights up (if fitted), do not operate the electrical system. Correct the polarity error before connecting the boat's electrical system.

**WARNING!** Never touch a live AC system.

**WARNING!** Do not allow the shore power cable end to hang in the water.  
The result may be an electric field that may cause injury or death to a person swimming nearby.

**WARNING!** When the shore power is connected, do not swim near the boat.  
A faulty cable can pose the risk of an electric shock.

**WARNING!** **To avoid risks of fire or electric shock:**

- Turn off boat's shore power connection switch before connecting or disconnecting the shore power cable.
- Connect the shore power cable to the boat first and only then to the power grid.
- If the reverse polarity indicator lights up (if fitted), turn off the electrical system immediately.
- Disconnect the shore power cable first from the power grid and only then from the boat.
- Fasten the cover of the shore power cable plug to the boat tightly.
- Do not change the connectors of the ground power cable, use only compatible connectors.

**NOTE!** Never disconnect the batteries while the engine is running.

**NOTE!** Do not use a metal boat hull as a conductor.

Do not modify the boat's electrical system or related drawings;  
changes and maintenance should be performed by a competent marine electrical technician.

## 10. Operation

Familiarise yourself with the features of your boat at first at low speed. Practice port manoeuvres where there is suitable space. Learn how to use the bow thruster in different wind conditions.

### ✓ **Operating at high speeds**

The maximum engine power rating for this boat is referred to in the technical specifications.

**Do not operate the boat if the actual engine power exceeds the power indicated on the builder's plate.**

The basic trim angle adjustments are as follows:

- To plane the boat, the trim should be adjusted all the way down (negative setting: "bow down").
- When the boat is planing in low waves, the trim should be raised until the boat starts to porpoise or the propeller loses grip. When this happens, lower the bow slightly until the ride is stable. The log (speed indicator) can be used to optimise the trim angle.
- When the boat is riding into waves, the bow should be lowered until the ride becomes smooth. When driving with a tailwind, the bow should be raised slightly to avoid diving into the waves.
- Refer to the separate owner's manual for the engine for further instructions.

The outboard motor can be mounted on the transom at different heights.  
See separate propeller table for the height of the outboard motor.

**WARNING!** Be very careful when adjusting the trim angle at high speed: it may radically affect the boat's behaviour. Do not operate the boat with the bow too low because this could cause the boat to handle erratically.

Do not operate the boat at a high speed with a fully negative trim angle (bow down) as this may cause the boat to roll from side to side and make steering unstable.

You can adjust the running attitude of the boat using **trim tabs**. The basic directions are as follows:

- Set to "bow down" position at semiplaning speeds.
- When the boat is planing in low waves, raise the bow slowly and monitor the log to see how long the speed is increasing.
- When the boat is riding into waves, the bow should be lowered until the ride becomes smooth. When driving with a tailwind, the bow should be raised slightly to avoid diving into the waves.
- In sidewinds, adjust the trim tabs until the boat is exactly upright.

**WARNING!** Be very careful when adjusting the trim angle at high speed: it may radically affect the boat's behaviour. Do not operate the boat with the bow too low because this could cause the boat to handle erratically.

**WARNING!** If your boat's manoeuvrability at high speeds is impaired, this is indicated in the technical specifications. There is also a warning sticker on the boat. Sudden turns may cause loss of control. Reduce speed before making sharp turns in either direction.

**WARNING!** Waves reduce the boat's manoeuvrability and can cause the boat to swing from side to side. Reduce speed as wave height increases.

Learn the seafaring rules and the COLREG provisions (International Regulations for Preventing Collisions at Sea). Navigate with care and make sure your charts are up to date.

Always adapt your speed to the prevailing conditions and the environment. Take into account the following:

- Wave height (also ask your passengers' opinion about what speed is comfortable)
- Your own wake (largest when lifting the boat to planing, smallest at displacement speed, i.e. below 6 knots). Observe and obey the speed limit and no wake zones. Reduce speed and wake as a courtesy and as a safety consideration to yourself and others.
- Visibility (islands, fog, rain, sun in the eyes)
- Familiarity of your route (time needed for navigation)
- Narrow routes (other boaters, noise and wake on shore)
- Space needed to stop or avoid obstacles

#### ✓ **Starting the engine**

Before starting the engine, make sure that the gear is in neutral. Sudden starts may endanger persons on board.

A remote-control device must be used with the engine installed in the boat, which prevents the engine from being started when the gear is engaged.

Attach the emergency cut-off cord to yourself as soon as you have released the mooring lines. Please refer to the separate owner's manual for the engine for details. If you are operating the boat alone, it is very important that the engine stops if you fall overboard or fall on the boat. Remember, however, to release the emergency cord before landing manoeuvres.

**DANGER!** The rotating propeller may be fatal for someone who has fallen overboard or is swimming close to the boat. Use the emergency switch to stop the engine when a swimmer or water-skier is about to re-enter the boat from the water.

It is possible to manually start the engine.

Follow the separate instructions in the separate owner's manual for the engine.

#### ✓ **Visibility from the steering position**

It is easy to operate a boat in fair weather when the sea is calm, but always remember to keep a lookout in accordance with the International Regulations for Preventing Collisions at Sea (COLREG). Always make sure that visibility from the steering position is as good as possible and that you can navigate even when visibility is temporarily limited. This is particularly important at high speed.

- ✓ Position passengers, loads, equipment, curtains, etc. in such a way that they do not obstruct visibility.
- ✓ Do not operate at the planing threshold speed for extended periods as the raised bow impairs forward visibility.
- ✓ Set the engine's trim function (power trim) and any trim tabs you may have installed to adjust the bow so that visibility is not impaired.
- ✓ In poor visibility (rain, darkness, fog, waves or splashes) open the hatch above the helm position and keep a lookout through it.
- ✓ Use the windshield wipers when necessary.
- ✓ Also remember to look behind the boat, particularly in shipping lanes.

Use the navigation lights during darkness or when visibility is limited for any other reason (such as in fog). Switch off the lights inside the boat if they or reflections from them reduce visibility.

## 11. Proper use – other recommendations and guidelines

#### ✓ **Man-overboard prevention and recovery**

The working decks of the boat are shown with a dash on the figure in the technical specifications. Other areas, like the cabin roof, are not to be occupied or used for access when underway.

If a person has fallen in the water in calm weather, the easiest way to reboard is by using the swimming ladders located at the transom/swimming platform. The ladders can also be pulled down from the water.

The purpose of the boat's handrails is for people to grab them. They should not have so much equipment attached that it becomes difficult or impossible to grip them. Equipment attached to the handrails may weaken the handrails' mounts.

#### ✓ **Securing loose equipment**

Secure all heavy equipment, such as anchors, before setting off.

#### ✓ **Respect for the environment**

The marine environment is unique and vulnerable, and preserving it is a matter of honour for all boaters. Therefore, you should avoid:

- Fuel or oil spills, or discharging toilet waste into the water
- Emptying rubbish and waste into the water or leaving them on the shore
- Discharging detergents or solvents to water
- Excessive noise on the water and in harbours
- Wake formation, especially in narrow channels and shallow waters

In the Baltic Sea, it is not allowed to discharge toilet waste close to the shore. Use pump-out stations for emptying the septic tank.

Make sure you comply also with other local environmental laws and guidelines. Familiarise yourself with the International Convention for the Prevention of Pollution from Ships (MARPOL) and respect it to the greatest possible extent. Ensure the condition of the exhaust system and do not make any changes to it that could increase noise levels in the environment.

## ✓ Anchoring, mooring and towing

Always moor your boat carefully, even in sheltered places, because conditions can change rapidly. Mooring lines should be equipped with absorbers to dampen any jolts. To prevent abrasion, use fenders that are large enough. The strong points for mooring are shown in Figure 9.

The breaking strength of lines for mooring, towing and anchoring must not exceed 80% of the breaking strength of the respective strong point. The breaking strengths of strong points are shown in the technical specifications.

It is the owner's/operator's responsibility to ensure that mooring lines, towing lines, anchor chains, anchor lines and anchors are adequate for the boat's intended use, i.e. the lines or chains do not exceed 80% of the breaking strength of the respective strong point. The owner should also consider the measures necessary for securing the boat's towing line.

When you land at a natural harbour, ensure sufficient water depth using a plumb line, for example.

### **Drop the anchor at a sufficient distance from the shore.**

Reasonable grip is attained if the anchor line length is 4-5 times the water depth.

### **WARNING!**

Do not try to stop the boat by hand and do not put your hand or foot between your boat and the dock, shore or other boat. Practice landing in good conditions and use engine power in a controlled but determined way.

### **NOTE!**

When securing your boat, take into consideration the possibility of changes in wind direction and water levels, bow wakes, etc. For more information, contact your insurance company or like.

When towing another boat, use a floating line that is strong enough for the task. Begin towing slowly, avoid jerks, and do not overload the engine. If you are towing a small dinghy, adjust the towing line so that the dinghy rides "downhill" on the wave. In narrow channels and large waves, pull the dinghy near the transom to decrease yawing. Secure carefully all equipment in the dinghy if capsizing is possible. When crossing open waters, cover the dinghy to prevent the ingress of spray water.

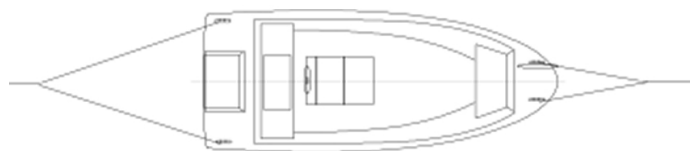
If you are towing or your boat has to be towed, attach the towing line to the strong points as shown in Figure 9.

### **WARNING!**

When towing another boat or being towed, always operate at low speeds. If the boat has a displacement hull, never exceed the hull speed while towing.

### **WARNING!**

When towing, the towline is under high tension. If it should break, the end that snaps off may lash back fast enough to cause serious injury or death. Always use a thick enough line and keep to one side of the towline.



**Figure 9.** Locations of strong points for towing, anchoring and mooring

If the boat's strong points are non-metallic, their limited service life should be taken into account. They must be replaced when they show signs of wear, visible cracks or permanent deformation. Please note that black materials are less susceptible to UV radiation than light ones.

### ✓ **Trailer**

The calculated weight of your boat when transported by trailer is indicated in the technical specifications. When loading your boat onto the trailer, ensure that the trailer is suitable for your boat: that there is a sufficient number of supports to decrease point loads, that the capacity of the trailer is adequate for your boat, its engine and equipment, etc. You can find the maximum permissible total weight of the trailer from the registration book of your car.

Remove extra items and bilge water from the boat before loading it onto the trailer. Adjust the side supports of the trailer so that the keel supports carry the majority of the boat's weight. Fasten the boat firmly to the trailer before actual transport. Check the owner's manual of the engine for trailering instructions.

### **NOTE!**

The trailer must be slightly front-weighted. Ensure that the boat is fastened securely to the trailer and that the weight of the boat is divided equally between side supports. If the boat swings against a side support during transport, it may sustain hull damage.

### ✓ **Using a boat ramp**

Your Faster boat is designed to be stored horizontally. When storing the boat on the boat ramp at a high angle, do not fill up the tank. Fuel that has spilled into the vent line may rise from the refuelling coil as a result of thermal expansion and drain into the engine well.

### ✓ **Use of mattresses and cushions**

Standard or optional padded seats, seat cushions and backrests may absorb water.

Seats should be covered and removable cushions moved to a weather-protected location when leaving the boat.

## 12. Warranty

The boat hull has a five-year warranty. The fittings and components installed on the boat at the boatyard are covered by an equipment-specific warranty issued by the equipment suppliers. For more detailed warranty conditions, please contact your dealer.

For any warranty issues, please contact the seller.

## 13. Servicing and winter storage

Familiarise yourself with the maintenance procedures described in the separate owner's manual for the engine. Do these yourself carefully or let an authorised service shop do them. Other items that require regular servicing include the following:

- ✓ Steering system and controls
- ✓ Trim tabs
- ✓ Bilge pump
- ✓ Heater
- ✓ Refrigerator
- ✓ Fire extinguisher
- ✓ Cover

Service these in accordance with the separate instructions or manuals.

### ✓ **Measures before winter storage**

If frost is likely, drain the cooling system of the engine according to its owner's manual.

Lift your boat out of the water in good time before ice formation.

Your boat is not designed for use or storage in ice.

Before lifting out of the water, it is normally recommended to carry out the following measures:

- Wash the boat
- Empty the bilge water and any items from the boat. However, leave safety equipment, such as fire extinguishers, in the boat.

#### ✓ **Washing and cleaning**

Keep your boat clean and tidy. This will increase the comfort, safety and resale value of the boat.

Normally washing and waxing the deck and sides is enough.

Do not use solvents or acids because they can damage the materials used on the boat.

Do not store any moisture-sensitive material in the boat storage area. Storage areas are not ventilated effectively enough to allow moisture in textiles to evaporate, for example. For this reason, when you leave the boat, we recommend that you take all life jackets, boat suits and extra ropes, as well as any other materials that could absorb moisture, with you.

After lifting the boat out of the water, wash the bottom immediately.

It is easier to remove algae and slime before they dry out.

#### ✓ **Winter storage and maintenance**

Perform the necessary service procedures following the owner's manuals of the engine and other equipment. If your boat is stored outside or in humid spaces, empty textiles and other equipment that may mould or corrode in a humid environment. Ropes should be washed with fresh water and worn ones renewed.

Leave the draining valves open.

Any water that might accumulate in the bilge should be drained through a drain hole in the transom. This is a good time to check the condition of the threaded plug gasket. Do not use too much force when fastening the plug. This might damage the plug. Usually just tightening by hand is enough.

Electrical instruments are best protected against corrosion and theft by removing them and storing them in dry indoor spaces for wintertime. Remove also the batteries, take them to a warm and dry place, and charge at least two times during the winter. Spray the connectors of the electrical system with a moisture repellent antioxidant.

Cover your boat so that no snow can accumulate inside. However, take care of adequate ventilation. Normally, snow does not build up on the tarpaulin if the angle of the ridge is up to 90°.

#### **NOTE!**

The tarpaulin or its fastening lines should not come into direct contact with the surfaces of the boat, as they may cause abrasion on the aluminium surface when moving and flapping.

#### ✓ **Measures before launching**

In sea areas, antifouling paint should be used to prevent the hull from becoming covered with vegetation. Fouling of the bottom and especially the propeller increases fuel consumption significantly. However, if the boat is anchored at the inlet of a stream or in a land-locked lake, or if it is lifted out of the water at least once every two weeks, it is normally not necessary to use antifouling paint. Carefully follow the paint manufacturer's instructions when applying the paint. When sanding old antifouling paint, remember that the dust is toxic.

Antifouling paint is not necessary or recommended in fresh water (lake areas).

#### **NOTE!**

Do not paint over the zinc anodes or the piston rods of hydraulic trim tabs.  
Do not apply paints containing copper on aluminium parts, and remember to follow the paint manufacturer's instructions.

Perform the necessary service procedures required for the engine according to the separate owner's manual for the engine. Check the function of electrical appliances and remove all oxidation from fuse contacts etc.

After launching the boat, open all seacocks and check that there is no leakage in hoses or connections.

## 14. Painting the boat

You do not need, and in fact we don't recommend, painting the bottom of the boat. Regular cleaning with a brush is enough to keep the bottom clear of vegetation.

However, if you decide to paint the bottom of your boat, you should ensure that the paint is suitable for aluminium boats. In addition, painting instructions should be carefully followed. Copper-based paints should not be used at all, even if the paint manufacturer claims the paint is suitable for aluminium boats. Please note that black materials are less susceptible to UV radiation than light ones.

**NOTE!** Do not apply paints containing copper on aluminium parts, and remember to follow the paint manufacturer's instructions.

**NOTE!** Paints can cause severe corrosion of aluminium. The boat's five-year warranty does not cover any corrosion problems on hulls that have been painted.

## 15. Using the boat ramp and loading the boat

The bow ramp is handy when carrying larger loads or for activities such as diving. Note, however, the safety precautions when using the hatch. We do not recommend to load the boat in strong waves, strong winds or flowing water. Always secure the boat before starting to load.

The boat must be loaded evenly. A bow-heavy boat is a safety risk due to its unpredictable behaviour.

**DANGER!** The boat ramp must always be kept closed and secured with latches while in operation. The boat ramp must never be carried by the lifting device alone. If the bow ramp opens during operation, there is a very high risk of water getting in, damage to structures and personal safety.

**WARNING!** The boat should always be loaded evenly. The boat should never be bow-weighted. An unevenly loaded boat can behave in an unpredictable way.

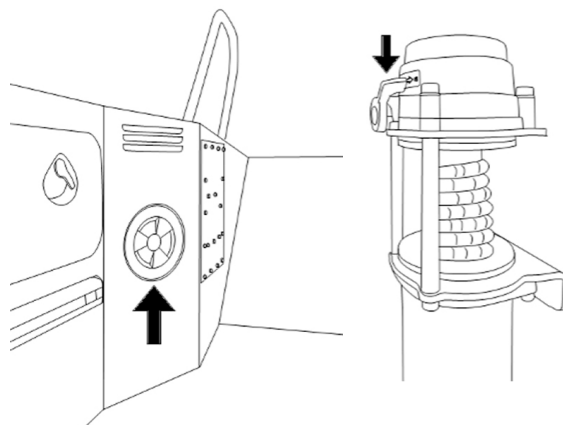
**WARNING!** Risk of crushing between the bow ramp and the hull. The bow ramp operator should always ensure that there is nothing between the bow ramp and the hull of the boat when closing the ramp.

### ✓ Electrically operated bow hatch

The bow ramp's control switch is located on the console's control panel.

There is a limit switch for the bow ramp winch, which stops the winch when the hatch is closed. The system also has an automatic fuse that cuts off the power supply if the winch is overloaded. In this case, the fuse must be activated by pressing the fuse rubber cover on the wheel panel. If the fuse repeatedly blows, even though the ramp is not properly closed, you should check for debris, stones, etc. in the hinges or the seal.

When the bow ramp is lowered, the hoist rope may start to reel back inwards if the winch is used when the hatch is already down. If the winch is wound up in the wrong direction, the limit switch disconnects the winch, and it can no longer be opened from the switch. In this case, the winch cable must be released from the release lever on the winch. When opening the lever, keep the latches of the bow hatch closed. After releasing the winch rope, open the latches and lower the bow hatch in a controlled manner. The release lever is located on the left side of the bow of the boat, behind the inspection hatch (figure below, left). The release lever is at the top of the winch (see the figure below on the right).



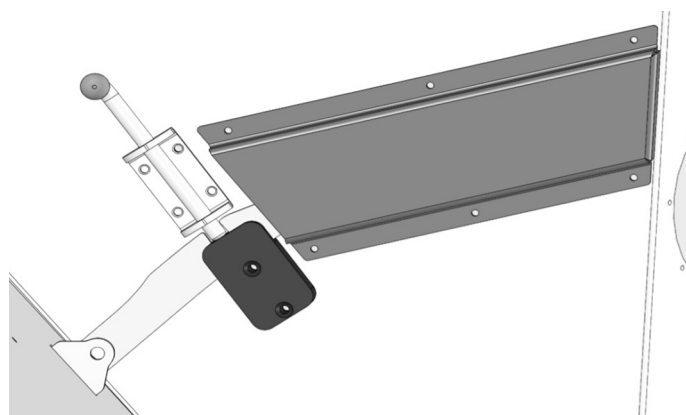
The lever releases the machine when it is pushed forwards to the OUT position. After releasing the rope of the front hatch, put the lever back to the IN position. The winch can then be wound up from the front hatch operating switch (note: wind the rope in the right way).

The condition of the bow ramp lifting pin must be checked at the start of the boating season before the boat is put into service, at least once during the boating season, and at the end of the season when the boat is laid up. If the boat is used more frequently, the cord should be checked more often. If there is any wear on the cord, it should be replaced with a new one.

The bow hatch must be lowered by means of supporting wires or resting on a solid base before stepping on it. The bearing capacity of the wire ropes is max. 1 person. A maximum load of 200 kg may be placed on the hatch when supported by a stable base. Make sure that the hatch is not resting on anything sharp, such as a stone.

### ✓ Bow hatch operated by a linear actuator

The bow ramp operated by a linear actuator is controlled either from the control switch on the console or with the remote control supplied with the boat. The linear actuator operates in both directions and remains in the position where operation is



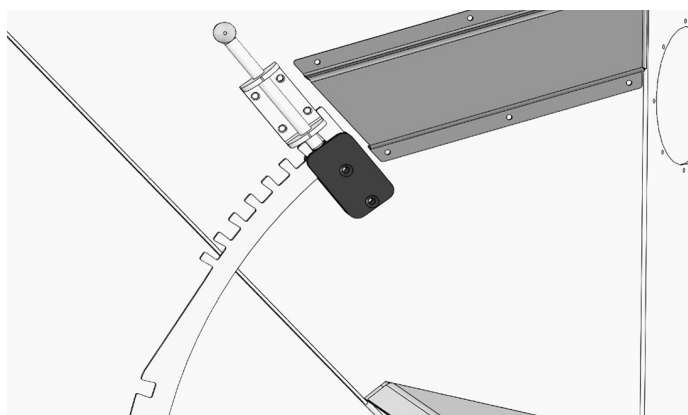
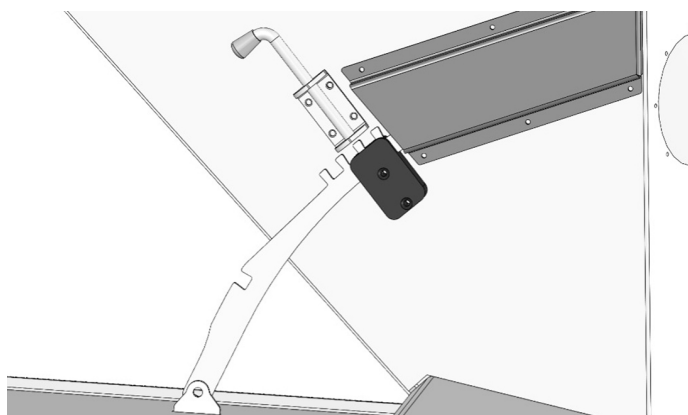
stopped. The bow ramp equipped with a linear actuator has a locking system that must be used in all situations. The rack has slots for both the closed and open positions. A spring-loaded latch locks the bow ramp in the desired position. The bow ramp must always be in the raised and locked position while underway. The rack has a locking position into which the spring latch engages.

Lift the latch and turn the handle 90° The latch will lock in the raised position. You can now operate the bow ramp either with the remote control or with the control switch on the console.

When the bow ramp has been opened to a suitable position, lock it by turning the spring latch back to its original position. Make sure that the latch shaft properly engages in the slot of the rack. The maximum load of a properly supported and locked bow ramp is 200kg

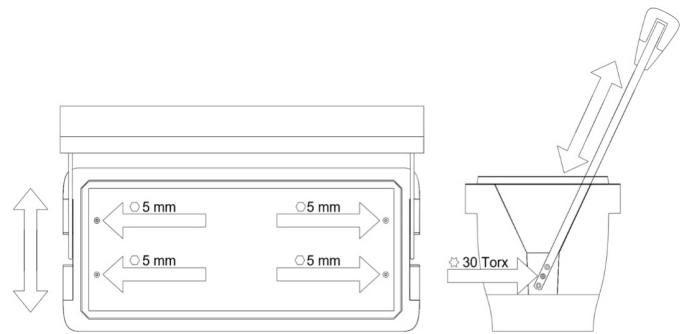
### ✓ Remote control for the bow hatch

Using the remote control: Press the IN and OUT buttons simultaneously for 5 seconds until a red light appears in the triangle on the remote control. The remote control is now ready for use. The remote control will automatically switch off after 2 minutes if it is not used. You can also turn it off by pressing the IN and OUT buttons simultaneously again for 5 seconds. The remote control has its own holder located in the console's glove compartment.



## 16. Swing seat box

For a better driving position, the swing seat box can be moved forwards and backwards. To move the box, loosen the four screws at the bottom of the box. They can be opened with a 5mm Allen key. You can also raise or lower the swing seat box's backrest. Remove the backrest hinge screw from the seat and reattach it using the lower or upper screw hole. The screw can be opened with a 30 Torx key.



## 17. Repairs

In case of failure in the engine or other equipment, contact in the first case the relevant suppliers.

Major damage should be left to the boatyard to repair:

**Juha Snell Oy**, Oppipojantie 14 ja 16, 04500 Kellokoski

### NOTE!

Some retrofitting and modifications, if done incorrectly, may cause damage to the structure or endanger safety. Contact the manufacturer or authorised boatyards before installing new groundings and hatches, for example. Do not install any attachments that can puncture the air floats.

### NOTE!

When maintaining electrical equipment, disconnect the batteries.  
If you have to replace electrical appliances, ensure that they are compatible with the voltage of the boat's electrical system.

## 18. Tekniset tiedot / Tekniska data / Technical data

Veneellä on juokseva sarjanumero, CIN-koodi. CIN-koodi on merkitty aluksen runkoon perässä oikealle puolelle / peräpeilin ulkopintaan reunalistan viereen. Voitte merkitä CIN-koodin alla olevaan taulukkoon.

Asioidessanne veistämön tai jälleenmyyjien kanssa ilmoittakaa CIN-koodi sekä veneen tyyppi niin oikeiden varaosien toimittaminen helpottuu.

Båten har ett löpande serienummer, en CIN-kod. CIN-koden är märkt på aktre sidan av båtens skrov på styrbords sida / på akterspegelns yttre sida bredvid kantlisten. Du kan anteckna CIN-koden i tabellen nedan.

Nämn CIN-koden samt båttypen då du har ärende till båttillverkaren eller återförsäljaren för att underlätta leveransen av rätta reservdelar.

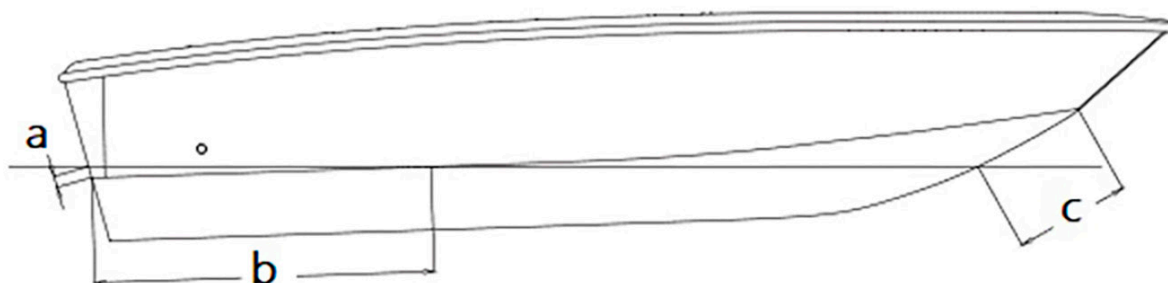
|                                                                                                                                                                                                                                           | 465             | 495             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| Rungon pituus, Skovets längd, Length of hull (m)                                                                                                                                                                                          | 4,6             | 4,96            |
| Suurin pituus, Total längd, Total length (m)                                                                                                                                                                                              | 4,68            | 5,06            |
| Leveys, Bredd, Beam (m)                                                                                                                                                                                                                   | 1,85            | 1,97            |
| Syväys, Djupgående, Draught (m)                                                                                                                                                                                                           | 0,8             | 0,8             |
| Paino, Vikt, Weight (kg)                                                                                                                                                                                                                  | 350             | 485             |
| Kevytpaino, Lätt vikt, Light weight (kg)                                                                                                                                                                                                  | 535             | 695             |
| <ul style="list-style-type: none"> <li>Runko, Skrov vikt, Hull weight</li> <li>Moottori, motorvikt, Engine weight</li> <li>Akku, Batteri, Battery</li> </ul>                                                                              |                 |                 |
| Traileripaino, Vikt om trailertransport, Weight on trailer (kg)                                                                                                                                                                           | 565             | 755             |
| <ul style="list-style-type: none"> <li>Runko, Skrov vikt, Hull</li> <li>Moottori, Motorvikt, Engine</li> <li>Akku, Batteri, Battery</li> <li>Perusvarusteet, Basutrustning, Basic equipment</li> <li>Polttoaine, Bränsle, Fuel</li> </ul> |                 |                 |
| Kokonaispaino täydellä kuormalla, Totalvikt med full last, Total weight with maximum load                                                                                                                                                 | 940             | 1205            |
| Henkilömäärä, Antal personer, Passengers                                                                                                                                                                                                  | 5               | 6               |
| Suurin kuorma, Max last, Max load (kg)                                                                                                                                                                                                    | 375             | 450             |
| Max (kW/hp)                                                                                                                                                                                                                               | 37 kW/ 50 hp    | 45 kW/ 60 hp    |
| Suositeltava moottoriteho, Rekommenderad motoreffekt, Recommended engine power (hp)                                                                                                                                                       | 40-50           | 40-60           |
| Perämoottorin suurinpaino, Utombordarens största vikt, Maximum weight of outboard (kg)                                                                                                                                                    | 162             | 189             |
| Peräpeilinkorkeus, Akterspegelns höjd, Height of the transom (mm)                                                                                                                                                                         | 508             | 508             |
| Max nopeus 2 hengen kuormalla, Max. hastighet med 2 pers., Max. speed with 2 persons                                                                                                                                                      | 30 kn (50 hp)   | 32 kn (60 hp)   |
| Hydrauliohjousletku, Hydraulstyrkabellängd, Hydraulic steering hose (m)                                                                                                                                                                   | 4,0             | 5,0             |
| Kaukosäätökaapelin pituus, Längd, reglagekabel, Length of remote control cable                                                                                                                                                            | 13'             | 17'             |
| Ohjausrajoittunut, Begränsad manövrerbarhet, Restricted manoeuvrability                                                                                                                                                                   |                 |                 |
| Sadevesityhjentyvä, Självlänsande, Rainwater draining                                                                                                                                                                                     | ✓               | ✓               |
| Kiinnityspisteen kestävyys, Förtöjningsställes strykor, The strengths of the fastening points (kN)                                                                                                                                        | 9 kN            | 12 kN           |
| Käsisammutimen teho, Handbrandsläckarens kraft, Manual fire extinguisher capacity                                                                                                                                                         | 8A 68B          | 8A 68B          |
| Rakennusmateriaali, Konstruktionsmaterial, Construction material                                                                                                                                                                          | EN-AW 5754/5083 | EN-AW 5754/5083 |
| Laita, Sida Board (mm)                                                                                                                                                                                                                    | 2,5             | 3               |
| Peräpeili, Akterspegel, Transom (mm)                                                                                                                                                                                                      | 2,5             | 3               |
| Pohja, Botten, Bottom (mm)                                                                                                                                                                                                                | 3               | 3               |
| Pilssipumpun kapasiteetti, Länspumpens kapacitet, Capacity of the bilge pump                                                                                                                                                              | 47 l/min        | 47 l/min        |
| Pohjan V-kulma, Bottenvinkel, Bottom chine angle                                                                                                                                                                                          | 18 °            | 18 °            |
| Kellukkeet, Osänkbar, Floating elements                                                                                                                                                                                                   | ✓ (PUR)         | ✓ (PUR)         |
| Polttoaine säiliö, Bränsletank, Fuel tank (l)                                                                                                                                                                                             | 25 (separate)   | 65              |
| CE-suunnittelu kategoria, CE-konstruktionskategori, CE desing category                                                                                                                                                                    | CE/C            | CE/C            |

Your boat has a craft identification number (CIN) that is labelled on the hull aft on the right side / on outer surface of the transom beneath the side strip. You should write down the CIN in the table below.

When contacting the manufacturer or dealer, give the CIN and the type of boat. This will help ordering the correct spare parts.

| <b>525</b>      | <b>545</b>      | <b>570</b>       | <b>635</b>       |
|-----------------|-----------------|------------------|------------------|
| 5,25            | 5,45            | 5,74             | 6,35             |
| 5,58            | 5,78            | 6,15             | 6,7              |
| 2,1             | 2,1             | 2,2              | 2,35             |
| 0,8             | 0,8             | 0,8              | 0,8              |
| 655             | 750             | 735              | 955              |
| 885             | 980             | 1015             | 1270             |
| 980             | 1085            | 1140             | 1395             |
| 1505            | 1815            | 1740             | 2230             |
| 7               | 8               | 8                | 10               |
| 525             | 730             | 600              | 835              |
| 74 kW/ 100 hp   | 74kW/100 hp     | 100 kW/135 hp    | 149 kW/200 hp    |
| 60-100          | 80-100          | 100-135          | 115-200          |
| 208             | 210             | 260              | 296              |
| 508             | 508             | 508              | 635              |
| 34 kn (100 hp)  | 33 kn (100 hp)  | 40 kn (135 hp)   | 44 kn (200hp)    |
| 5,0             | 5,0             | 5,5              | 5,5              |
| 18'             | 18'             | 18' CC<br>19' SC | 18' CC<br>19' SC |
| ✓               | ✓               | ✓                | ✓                |
| 12 kN           | 12kN            | 15 kN            | 30kN             |
| 8A 68B          | 8A 68B          | 8A 68B           | 8A 68B           |
| EN-AW 5754/5083 | EN-AW 5754/5083 | EN-AW 5754/5083  | EN-AW 5754/5083  |
| 3               | 4               | 3                | 4                |
| 4               | 4               | 4                | 4                |
| 4               | 4               | 4                | 4                |
| 47 l/min        | 47 l/min        | 47 l/min         | 47 l/min         |
| 18 °            | 18 °            | 18 °             | 17 °             |
| ✓ (PUR)         | ✓ (PUR)         | ✓ (PUR)          | -                |
| 100             | 100             | 140              | 140              |
| CE/C            | CE/C            | CE/C             | CE/C             |

## Maalauslinjat / Målade linjer / Painting measurements



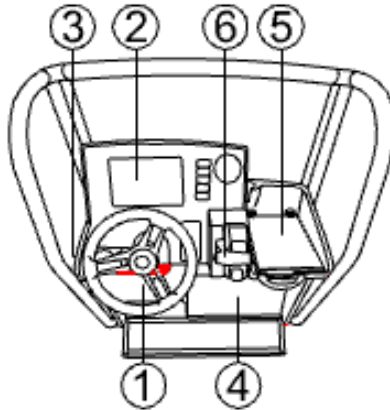
| Malli / Modell / Model | a      | b       | c      |
|------------------------|--------|---------|--------|
| <b>465</b>             | 75 mm  | 1130 mm | 645 mm |
| <b>495</b>             | 50 mm  | 1500 mm | 510 mm |
| <b>525</b>             | 85 mm  | 1950 mm | 590 mm |
| <b>545</b>             | 68 mm  | 2611 mm | 420 mm |
| <b>570</b>             | 65 mm  | 1765 mm | 615 mm |
| <b>635</b>             | 100 mm | 3326 mm | 332 mm |

- 1 Sammutin
- 2 Kytinpaneeli
- 3 Sulaketaulu
- 4 Akkutila (ei saa käyttää säilytystilana)
- 5 Hanskalokero
- 6 Moottorinkaukosäätölaite

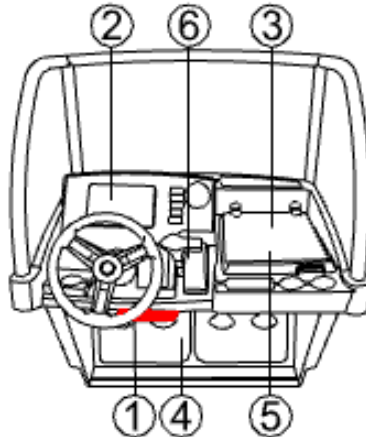
- 1 Brandsläckare
- 2 Reglagepanel
- 3 Säkringspanel
- 4 Batteriförvaringsutrymme (får inte användas till förvaring)
- 5 Förvaring
- 6 Motorreglade

- 1 Fire extinguisher
- 2 Control panel
- 3 Fuse panel
- 4 Battery
- 5 Storage locker
- 6 Remote control

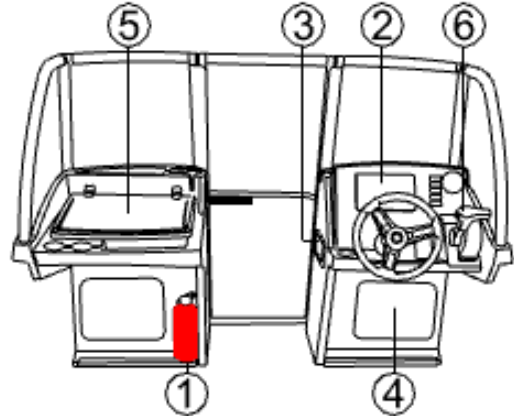
### 465-495 XC



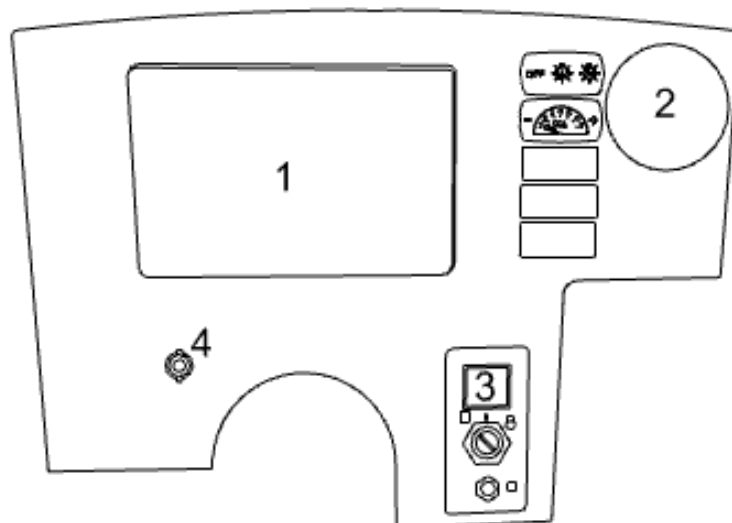
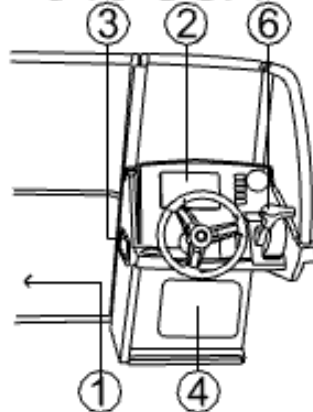
### 525-570 CC



### 525-570 SC



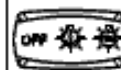
### 545 SCA



## Symbols



Tuulilasin pyyhin  
Vindrutetorkare  
Windscreen wiper



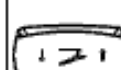
Ankkurivalo / Kulkuvalot  
Ankarljus / Navigationsljus  
Anchor lights / Navigation lights



Trolling-kontrolli  
Trollingkontroll  
Trolling-control



Kytinlisävarusteelle  
Stömbrytare för tillbehör  
Auxiliary switch



Keulaluukku  
Bogrampens  
Bow ramp

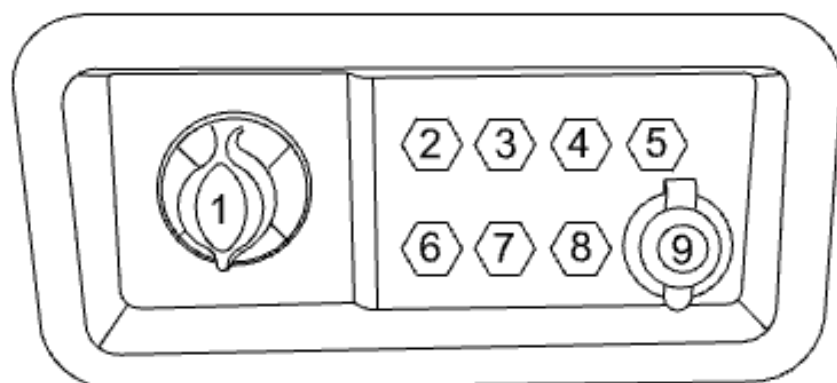


Luukun vapautus (545 SCA)  
Frigörinsbrytare för  
bogrampens hydraulik (545 SCA)  
Release switch for bow  
ramp (545 SCA)

- 1 Monitoiminäyttö
- 2 Monitoimimittari
- 3 Virtalukko
- 4 Virran ulosotto 12V

- 1 Multifunktionsdisplay
- 2 Multifunktionsinstrument
- 3 Motors strömlås
- 4 Eluttag 12V

- 1 Multi-function display
- 2 Multifunction instrument
- 3 Ignition switch
- 4 12V outlet

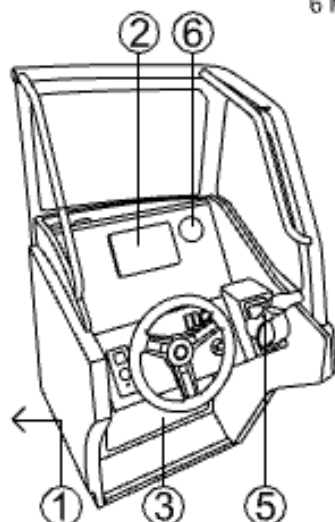


- 1 Päävirtakytkin
- 2 Sulake 5 A, kulkuväli
- 3 Sulake 5 A, monitoiminäyttö
- 4 Sulake 10 A, virran ulosotto sulakepaneeli
- 5 Sulake 10 A, lisäasennuksille (tuulilasin pyyhin)
- 6 Sulake 15 A, lisäasennuksille
- 7 Sulake 20 A, lisäasennuksille (trimmitasot)
- 8 Sulake 10 A virran ulosotto kytkinpaneeli
- 9 21V ulosotto

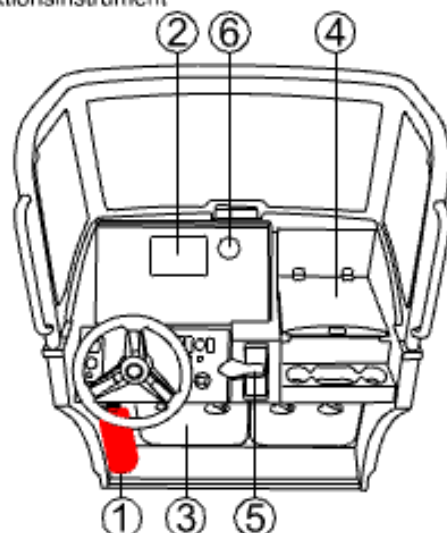
- 1 Huvudströmbrytare
- 2 Säkring 5 A, navigationsljus
- 3 Säkring 5 A, multifunktionsdisplay
- 4 Säkring 10A, 12 V eluttag i säkringspanel
- 5 Säkring 10 A, extra (vindrutetorkare)
- 6 Säkring 15 A, extra
- 7 Säkring 20 A, extra (trimplan)
- 8 Säkring 10 A, 12 C eluttag i reglagepanel
- 9 Eluttag 12 V

- 1 Main switch
- 2 Fuse 5 A, navigation light
- 3 Fuse 5 A, multi-function display
- 4 Fuse 10 A, 12 V outlet in fuse panel
- 5 Fuse 10 A, extra equipment ( windshield wiper)
- 6 Fuse 15 A, extra equipment
- 7 Fuse 20 A, extra equipment (trim tabs)
- 8 Fuse 10 A, 12 V outlet in control panel
- 9 12V outlet

- 1 Sammutin
- 2 Monitoiminäyttö
- 3 Akkutila (ei saa käyttää säilytys tilana)
- 4 Hansikaslokeri
- 5 Moottorinkaukohallintalaite
- 6 Monitoimimittari



- 1 Brandsläckare
- 2 Multifunktionsdisplay
- 3 Batteriförvaringsutrymme (får inte användas till förvaring)
- 4 Förvaring
- 5 Motorreglage
- 6 Multifunktionsinstrument



- 1 Fire extinguisher
- 2 Multi-function display
- 3 Battery
- 4 Storage locker
- 5 Remote controls
- 6 Multifunction instrument

## Symbols



Tuulilasin pyyhin  
Vindrutetorkare  
Windscreen wiper



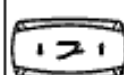
Ankkurivalo / Kulkuvalot  
Ankarljus / Navigationsljus  
Anchor lights / Navigation lights



Trolling-kontrolli  
Trollingkontroll  
Trolling-control



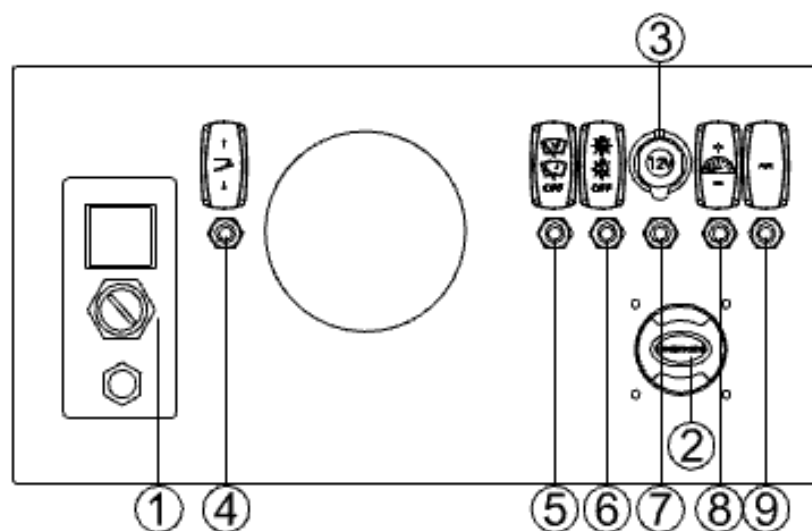
Kytkinlisävarusteelle  
Stömbrytare för tillbehör  
Auxiliary switch



Keulaluukku  
Bogrampens  
Bow ramp



Luukun vapautus (545 SCA)  
Frigörinsbrytare för  
bogrampens hydraulik (545 SCA)  
Release switch for bow  
ramp (545 SCA)



- 1 Virtalukko
- 2 Päävirtakytkin
- 3 12V ulosotto
- 4 Sulake 15 A, keularampinvinssi
- 5 Sulake 10 A, tuulilasinpyyhin
- 6 Sulake 10 A, kulkuvalot
- 7 Sulake 10 A, virran ulosotto
- 8 Sulake 10 A, lisävarusteille
- 9 Sulake 10 A, plotterille

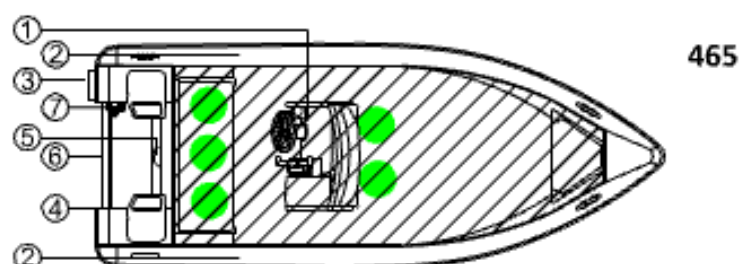
- 1 Motors strömlås
- 2 Huvudströmbrytare
- 3 Eluttag 12 V
- 4 Säkring 15 A, bogrampens vinsch
- 5 Säkring 10 A, vindrutetorkare
- 6 Säkring 10 A, navigationsljus
- 7 Säkring 10 A, eluttag
- 8 Säkring 10 A, extra
- 9 Säkring 10 A, plotter

- 1 Ignition switch
- 2 Main switch
- 3 12 V outlet
- 4 Fuse 15 A, bow ramp
- 5 Fuse 10 A, windshield wiper
- 6 Fuse 10 A, navigation light
- 7 Fuse 10 A, 12 V outlet
- 8 Fuse 10 A, extra equipment
- 9 Fuse 10 A, plotter

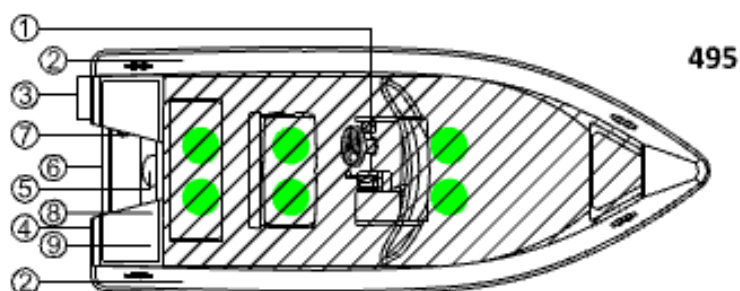
- 1 Sammutin
- 2 Sadevedentyhjennys
- 3 Uimatikas
- 4 Varustelevy
- 5 Pilssin tarkitusluukku
- 6 Pilssin tyhjennysproppu
- 7 Pilssipumppu
- 8 Polttoaineen täyttöhela
- 9 Polttoainesuodatin
- ▨ Työkansi
- Suurimman henkilömäärän mukaiset istuinpaikat

- 1 Brandsläckare
- 2 Durkens länsöppning
- 3 Simstege
- 4 Monteringsplatta
- 5 Inspektionslucka
- 6 Tömningspropp
- 7 Länsump
- 8 Bränslefyllning
- 9 Bränslefilter
- ▨ Arbetsdäck
- Sittplatserna enligt det största antalet personer ombord

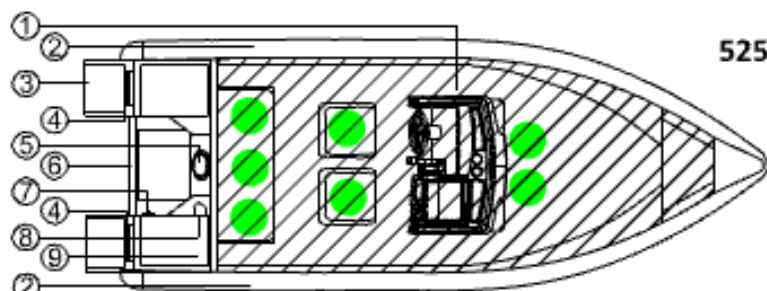
- 1 Fire extinguisher
- 2 Rainwater drainage
- 3 Swim ladder
- 4 Mounting plate
- 5 Inspection cover for bilge
- 6 Drain plug
- 7 Bilge pump
- 8 Deck filler for fuel
- 9 Fuel filter
- ▨ Working decks
- Seat for the maximum permissible number of persons



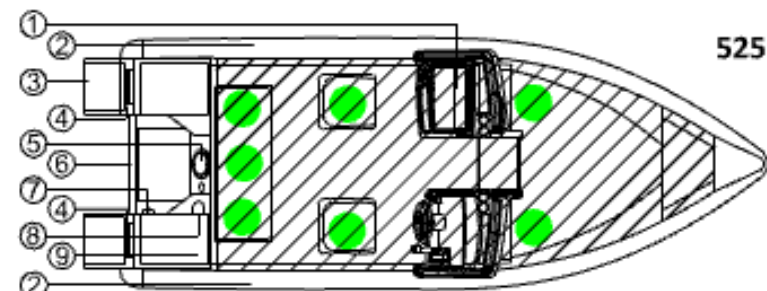
465



495



525 CC

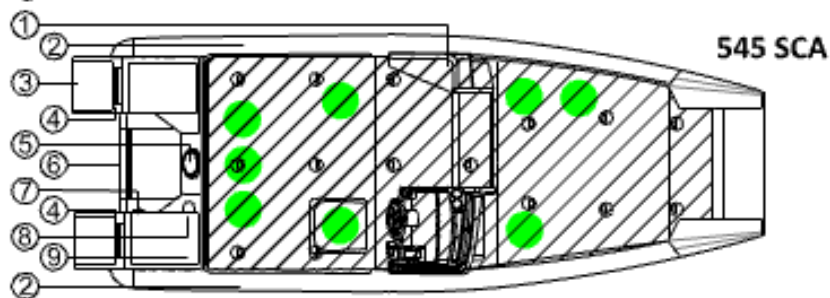
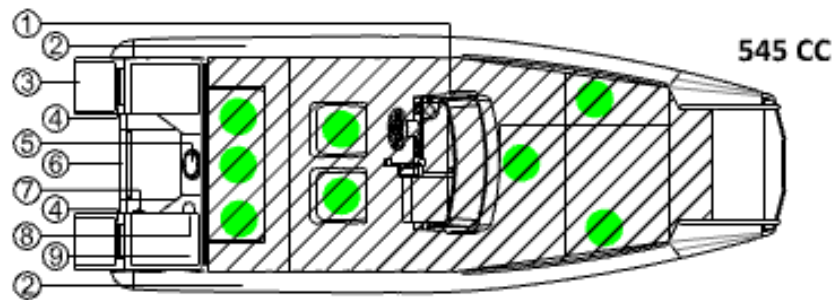
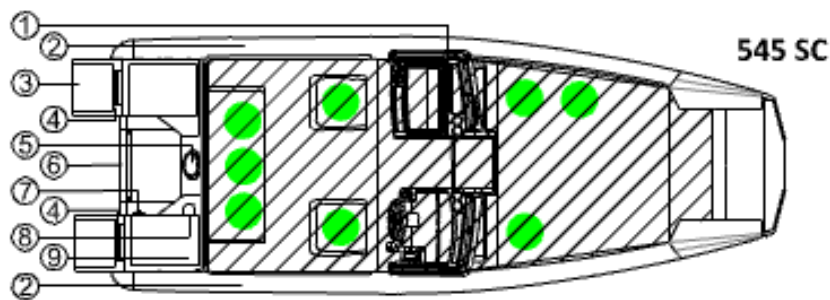


525 SC

- 1 Sammutin
- 2 Sadevedentyhjennys
- 3 Uimatikas
- 4 Varustelevy
- 5 Pilssin tarkitusluukku
- 6 Pilssin tyhjennysproppu
- 7 Pilssipumppu
- 8 Polttoaineen täyttöhela
- 9 Polttoainesuodatin
-  Työkansi
-  Suurimman henkilömäärän mukaiset istuinpaikat

- 1 Brandsläckare
- 2 Durkens länsöppning
- 3 Simstege
- 4 Monteringsplatta
- 5 Inspektionslucka
- 6 Tömningspropp
- 7 Länsump
- 8 Bränslefyllning
- 9 Bränslefilter
-  Arbetsdäck
-  Sittplatserna enligt det största antalet personer ombord

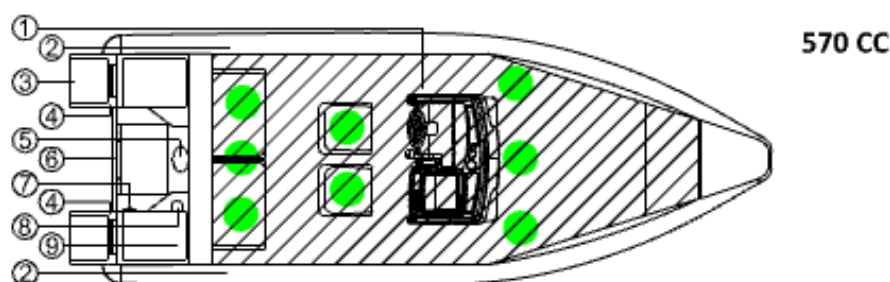
- 1 Fire extinguisher
- 2 Rainwater drainage
- 3 Swim ladder
- 4 Mounting plate
- 5 Inspection cover for bilge
- 6 Drain plug
- 7 Bilge pump
- 8 Deck filler for fuel
- 9 Fuel filter
-  Working decks
-  Seat for the maximum permissible number of persons



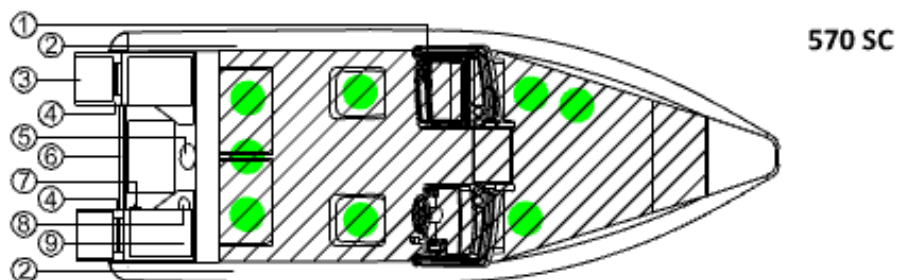
- 1 Sammutin
- 2 Sadevedentyhjennys
- 3 Uimatikas
- 4 Varustelevy
- 5 Pilssin tarkitusluukku
- 6 Pilssin tyhjennysproppu
- 7 Pilssipumppu
- 8 Polttoaineen täyttöhela
- 9 Polttoainesuodatin
- Työkansi
- Suurimman henkilömäärän mukaiset istuinpaikat

- 1 Brandsläckare
- 2 Durkens länsöppning
- 3 Simstege
- 4 Monteringsplatta
- 5 Inspektionslucka
- 6 Tömningspropp
- 7 Länspump
- 8 Bränslefyllning
- 9 Bränslefilter
- Arbetsdäck
- Sittplatserna enligt det största antalet personer ombord

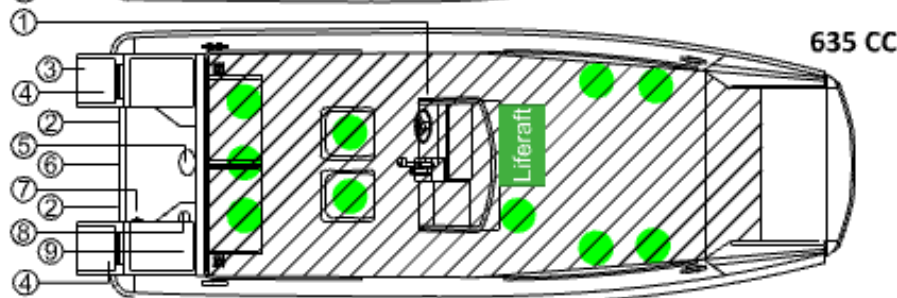
- 1 Fire extinguisher
- 2 Rainwater drainage
- 3 Swim ladder
- 4 Mounting plate
- 5 Inspection cover for bilge
- 6 Drain plug
- 7 Bilge pump
- 8 Deck filler for fuel
- 9 Fuel filter
- Working decks
- Seat for the maximum permissible number of persons



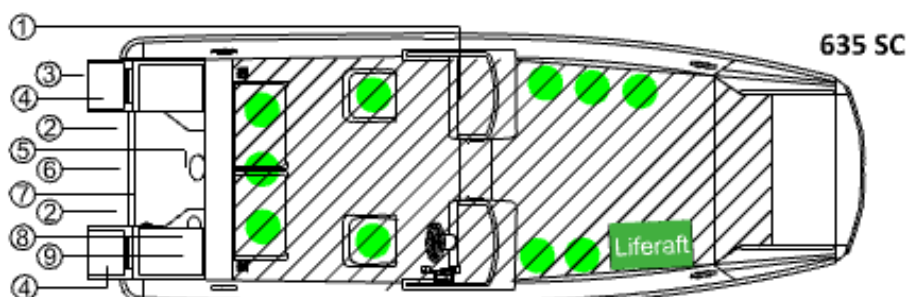
570 CC



570 SC



635 CC

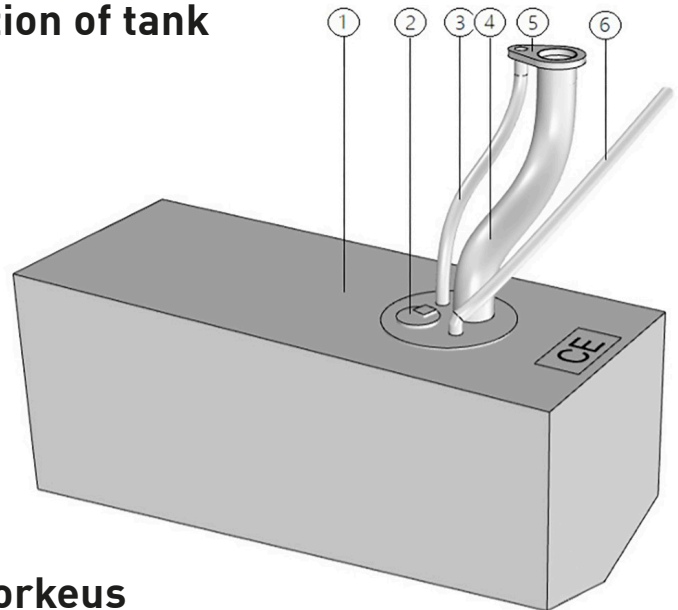


635 SC

## Tankkikaavio / Tankritning / Description of tank

Faster 495 / 525 / 545 / 570 / 635

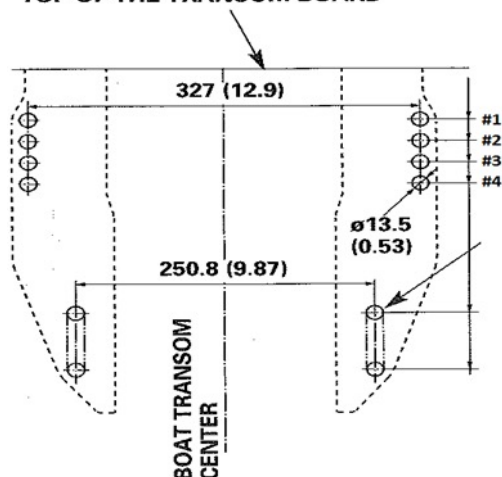
- 1 Tankki / Tank / Tank
- 2 Anturi / Givare / Sensor
- 3 Huohotinletku / Andnings slang / Fuel vent line
- 4 Täyttöletku / Påfyllnings slang / Filling line
- 5 Täyttö-/huohotinhela / Påfyllningsöppning och andningsventil / Refuelling bushing and fuel tank vent
- 6 Imuletku / Inmatnings slang / Fuel feed to engine



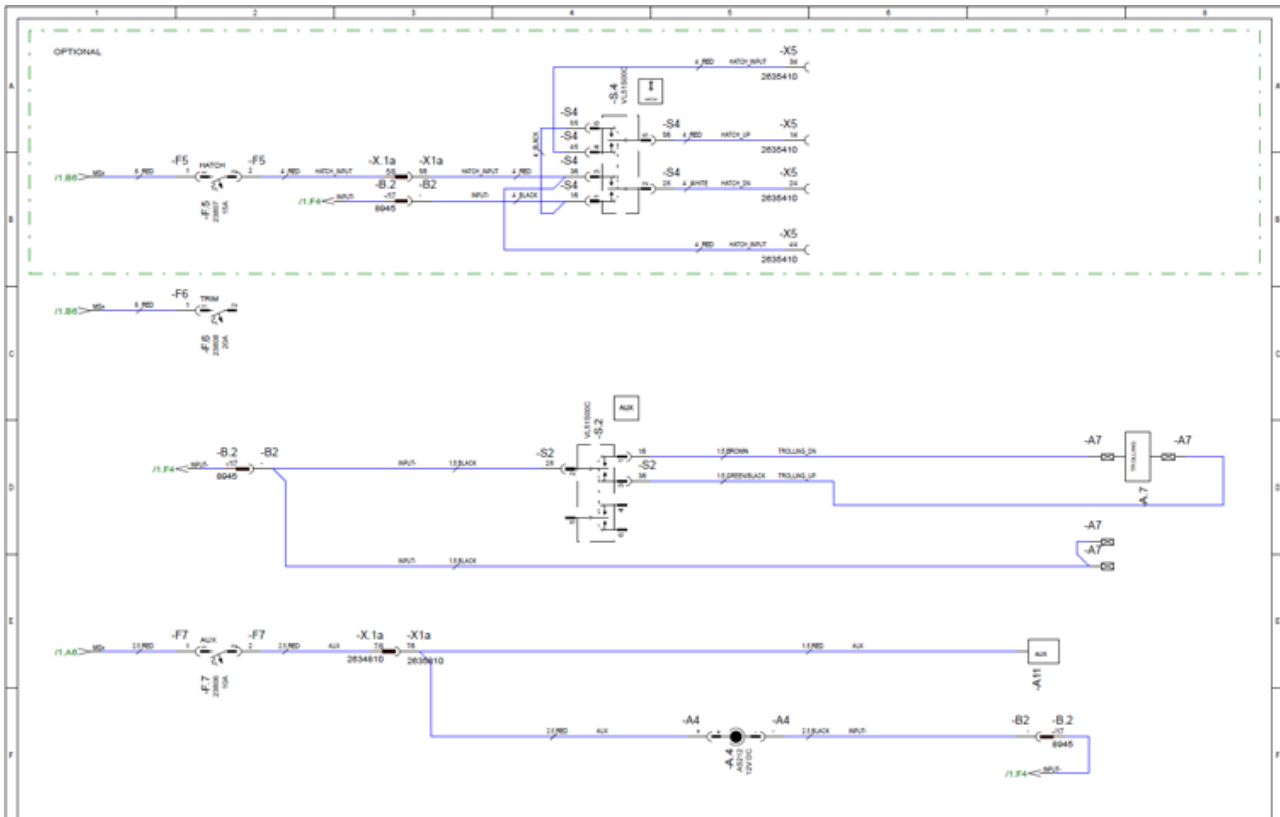
## Potkuritaulukko ja koneen asennuskorkeus Propellertabell och monteringshöjd utombordsmotor Propeller chart and outboard mounting height

| Outboard           | BF40       | BF50       | BF60       | BF80       | BF100      | BF115      | BF135      | BF150      | BF200D     |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Propeller material | ALU        | ALU        | ALU        | ALU        | ALU        | SST        | SST        | SST        | SST        |
| Part number        | 59130-ZV5- | 58134-ZV5  | 59130-ZV5- | 58130-ZW1- | 58130-ZW1- | 58133-ZY3- | 58133-ZY3- | 58133-ZY3- | 58133-ZY3- |
| <b>Faster 465</b>  | #1 / 014AH | #1 / 014AH |            |            |            |            |            |            |            |
| <b>Faster 495</b>  | #1 / 013AH | #1 / 014AH | #1 / 015AH |            |            |            |            |            |            |
| <b>Faster 525</b>  |            | #1 / 013AH | #1 / 014AH | #1 / 017AH | #1 / 018AH |            |            |            |            |
| <b>Faster 545</b>  |            |            |            | #1 / 015AH | #1 / 017AH |            |            |            |            |
| <b>Faster 570</b>  |            |            |            | #1 / 015AH | #1 / 018AH | #2 / A17HR | #2 / A18HR |            |            |
| <b>Faster 635</b>  |            |            |            |            |            | #2 / A16HR | #2 / A17HR | #2 / A18HR | #2 / A19LX |

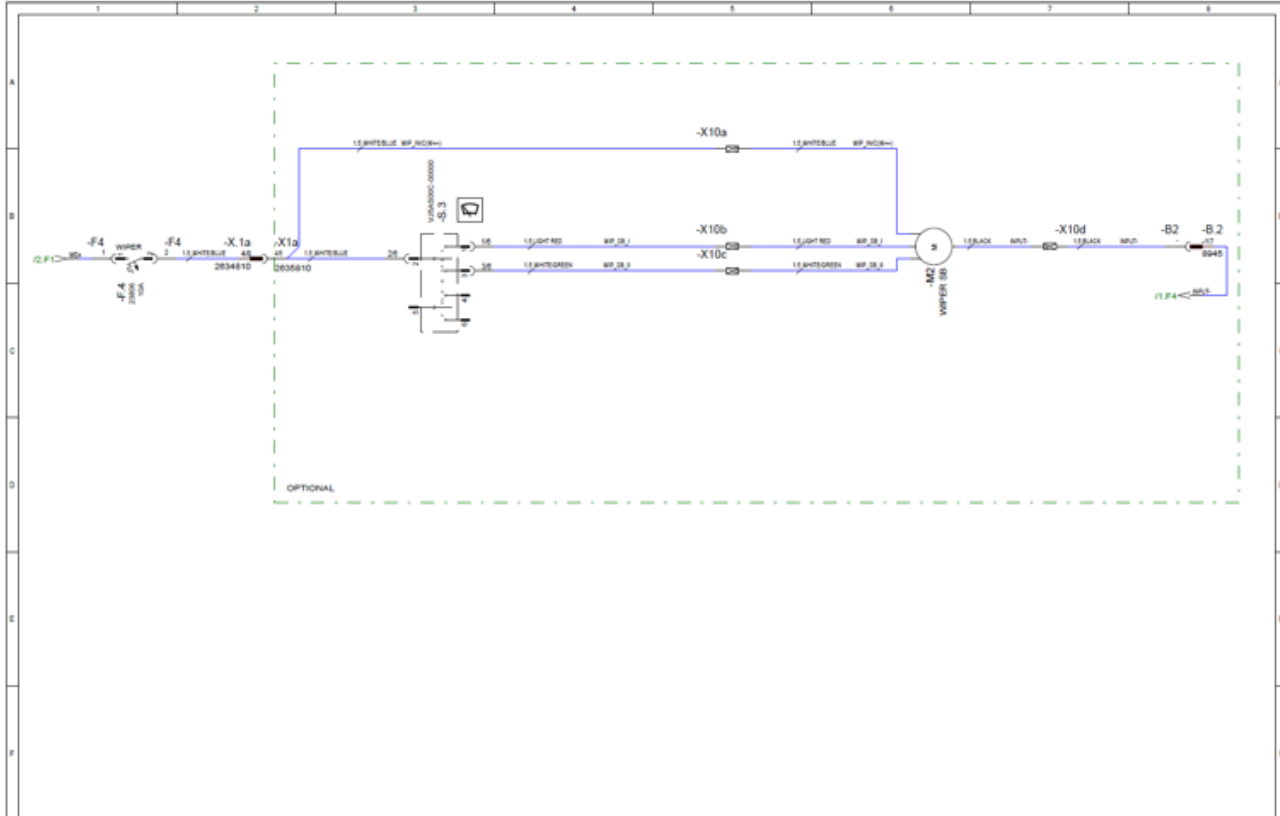
TOP OF THE TRANSOM BOARD



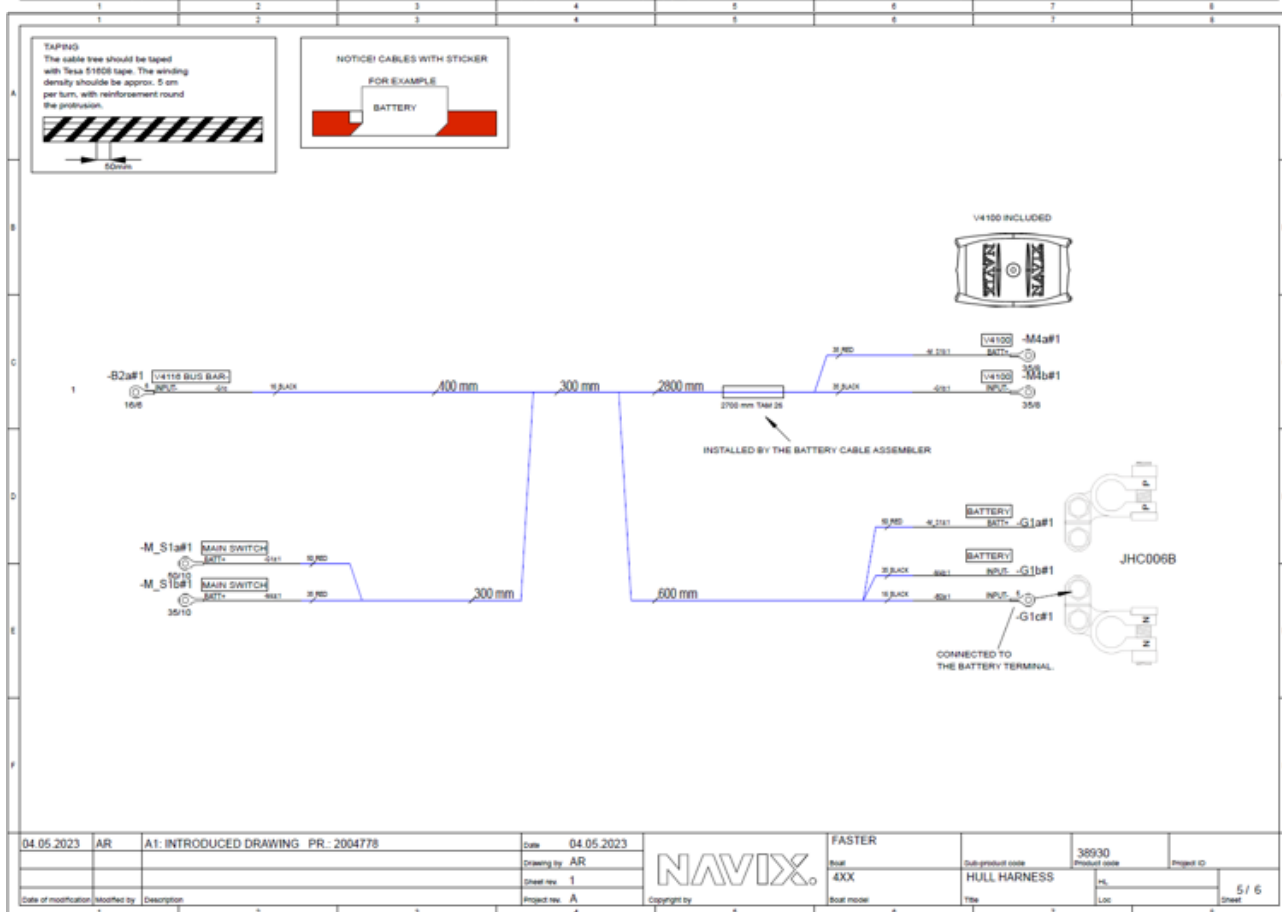
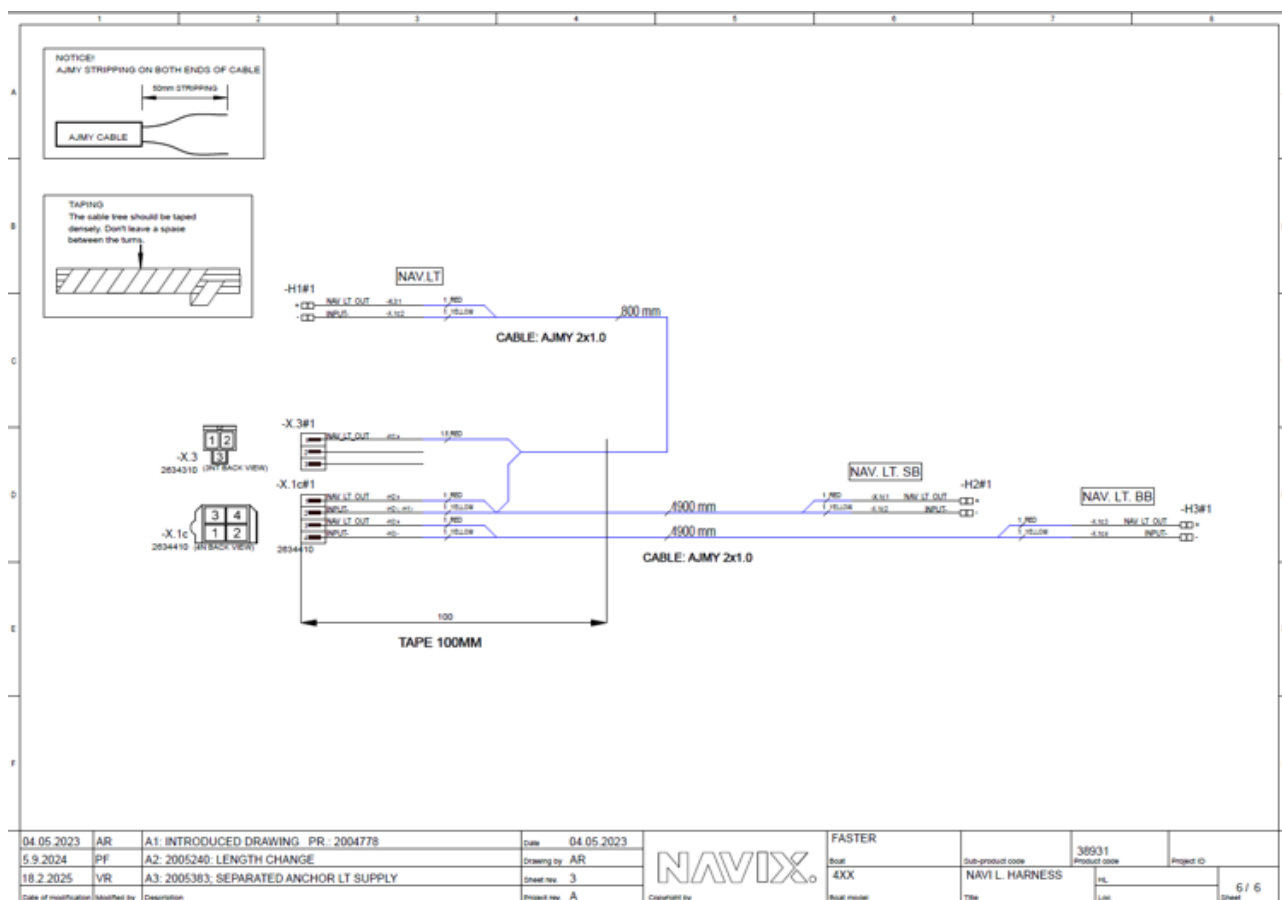


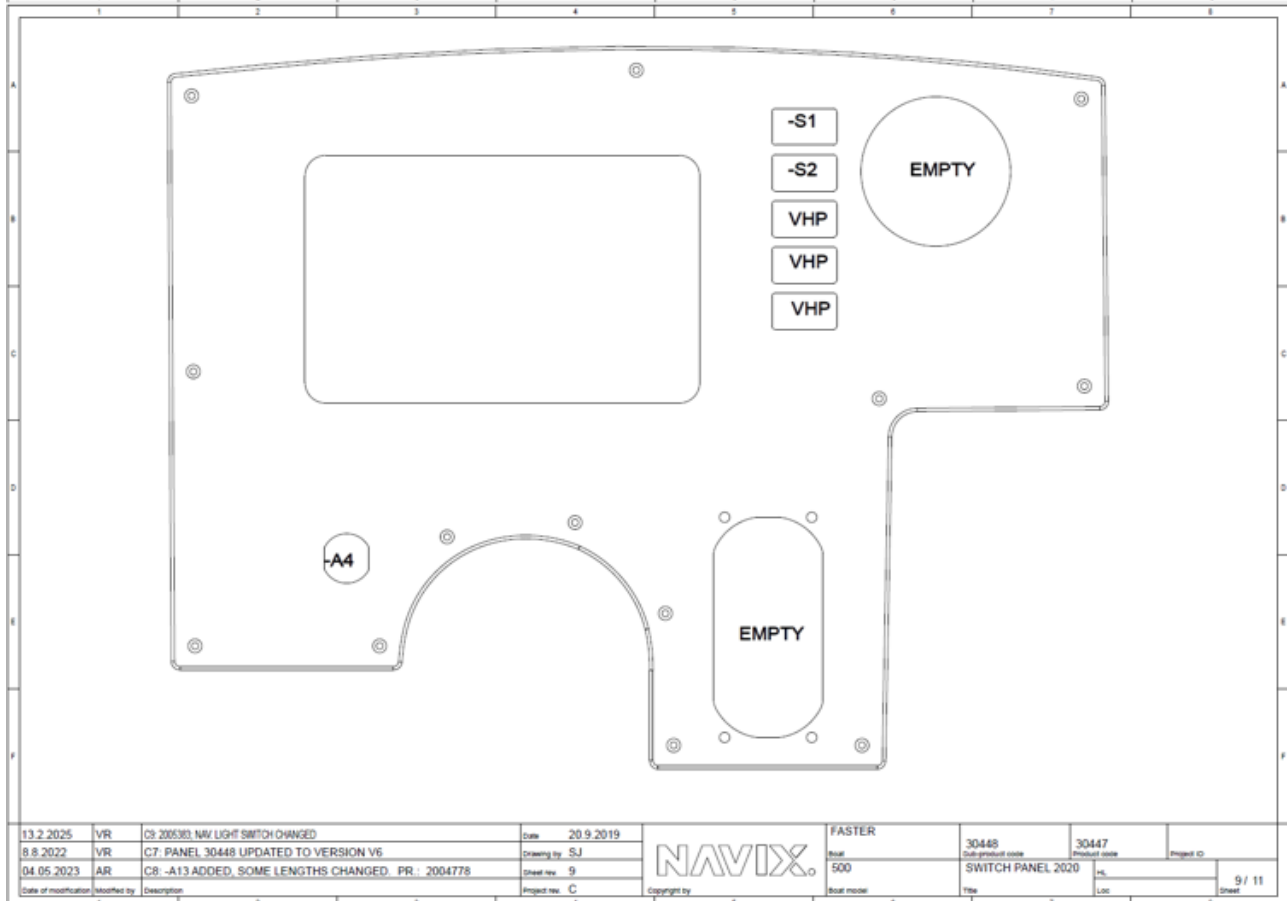
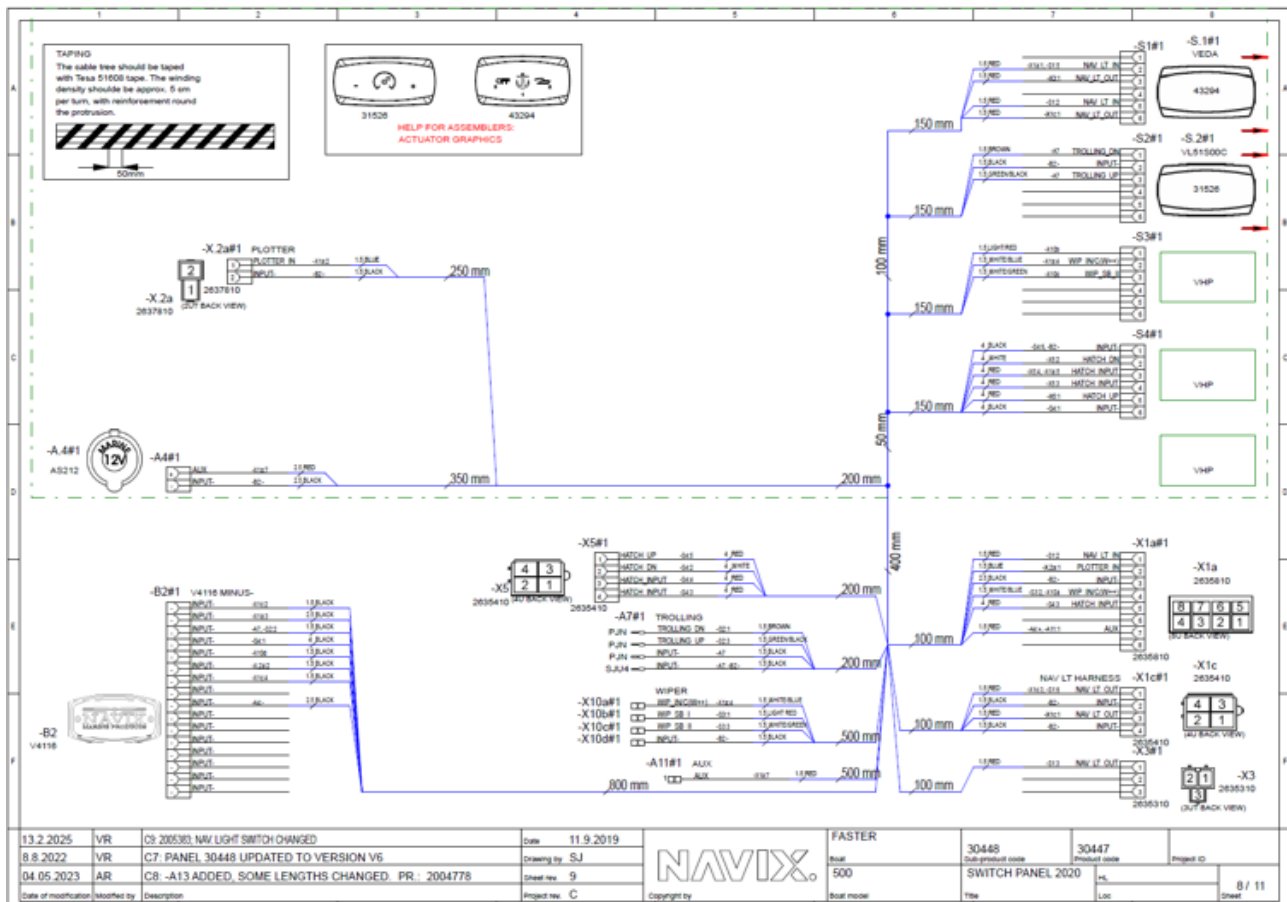


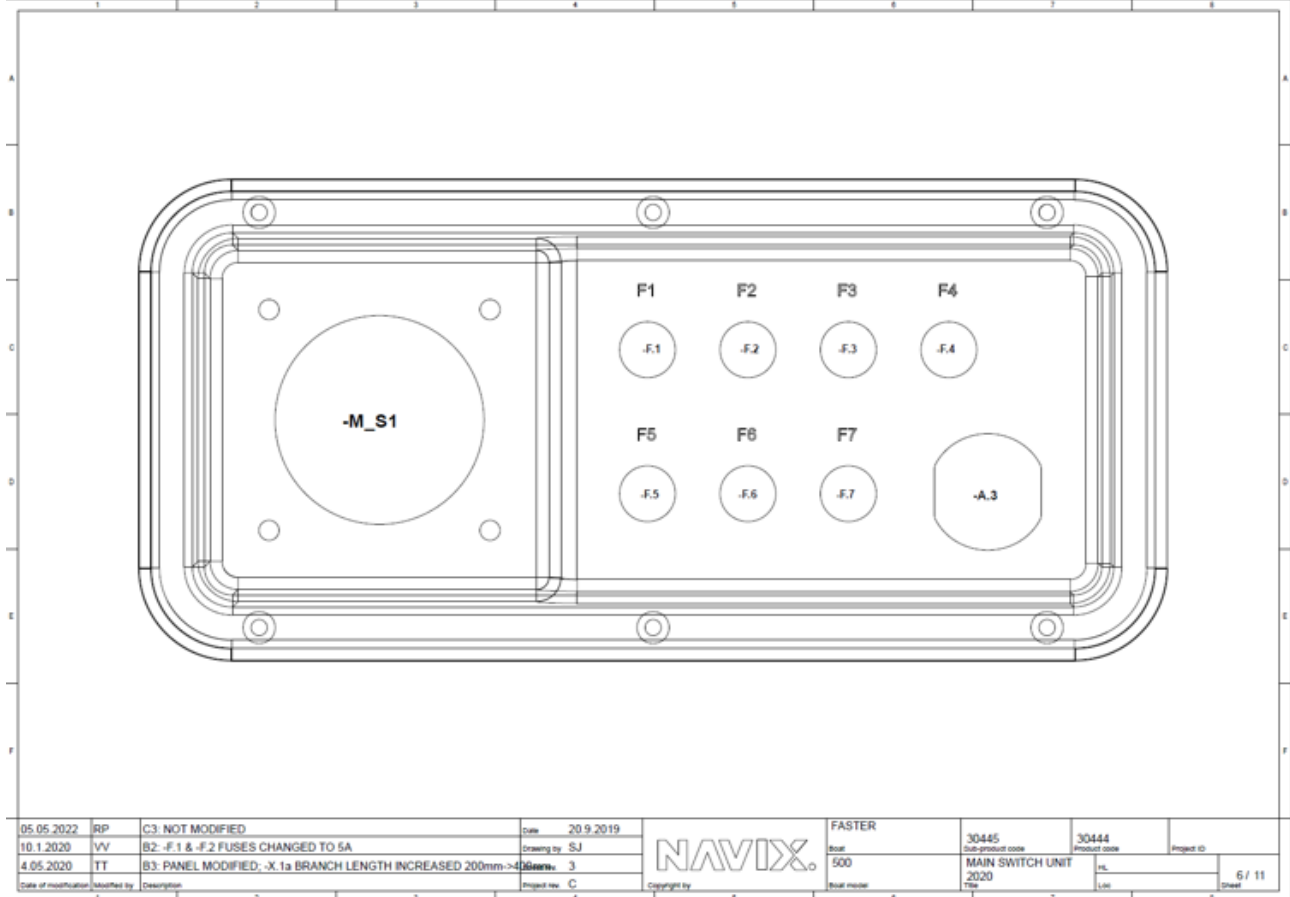
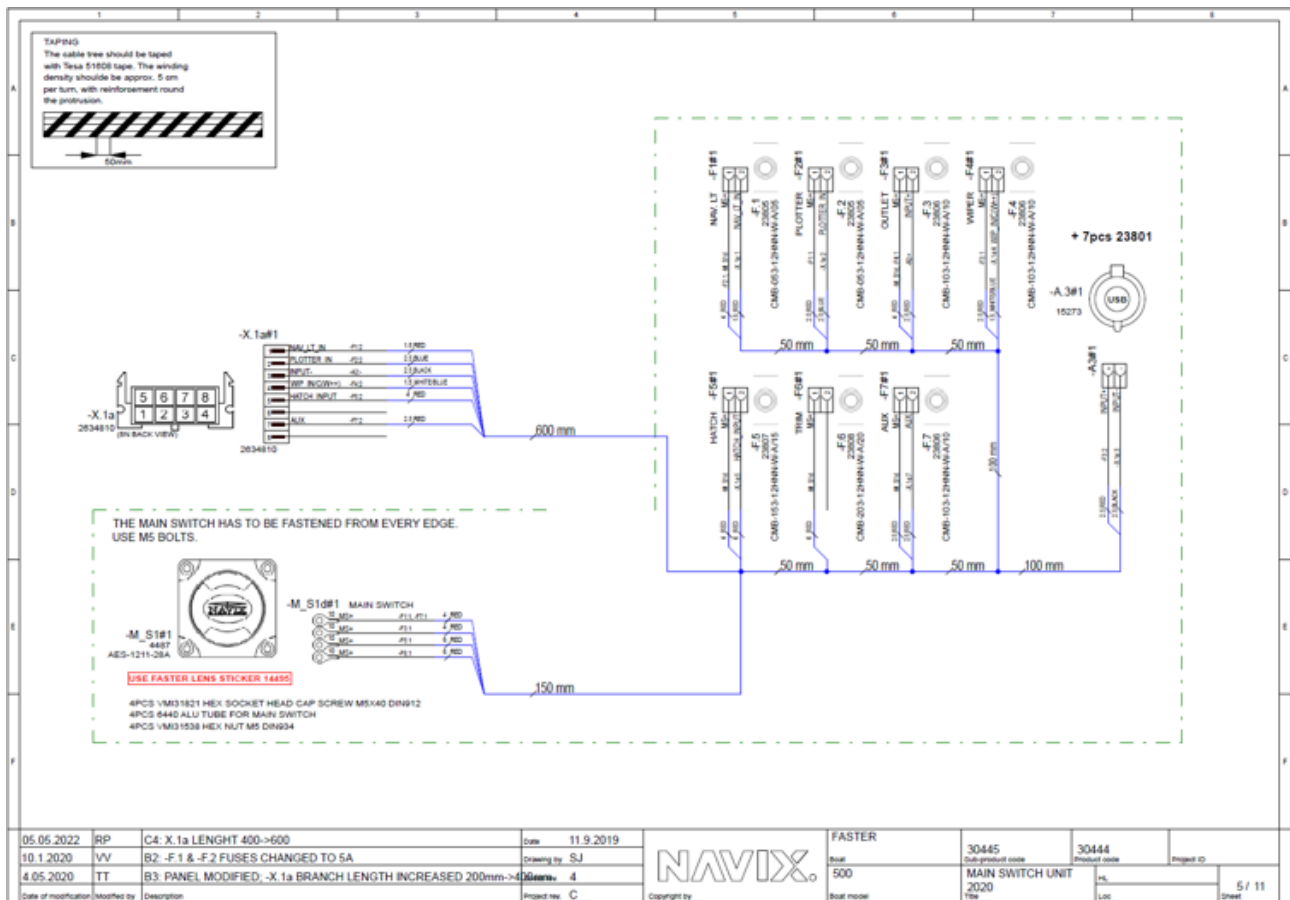
|                      |             |                                                                    |            |            |                                                                                     |          |                  |              |            |        |
|----------------------|-------------|--------------------------------------------------------------------|------------|------------|-------------------------------------------------------------------------------------|----------|------------------|--------------|------------|--------|
| 06.06.2024           | SP          | A1: Electrical diagrams created according to Bill Of Material 2024 | Date       | 06.06.2024 |  | FASTER   |                  |              |            |        |
|                      |             |                                                                    | Drawing by | SP         |                                                                                     | Size     | Sub-product code | Product code | Project ID |        |
|                      |             |                                                                    | Sheet no   | 1          |                                                                                     | 460      | HATCH/TRIM/AUX   |              | HL         | 3 / 10 |
| Date of modification | Modified by | Description                                                        | Project no |            |                                                                                     | Sheet no | Title            | Unit         | Sheet      |        |
|                      |             |                                                                    |            |            |                                                                                     |          |                  |              |            |        |



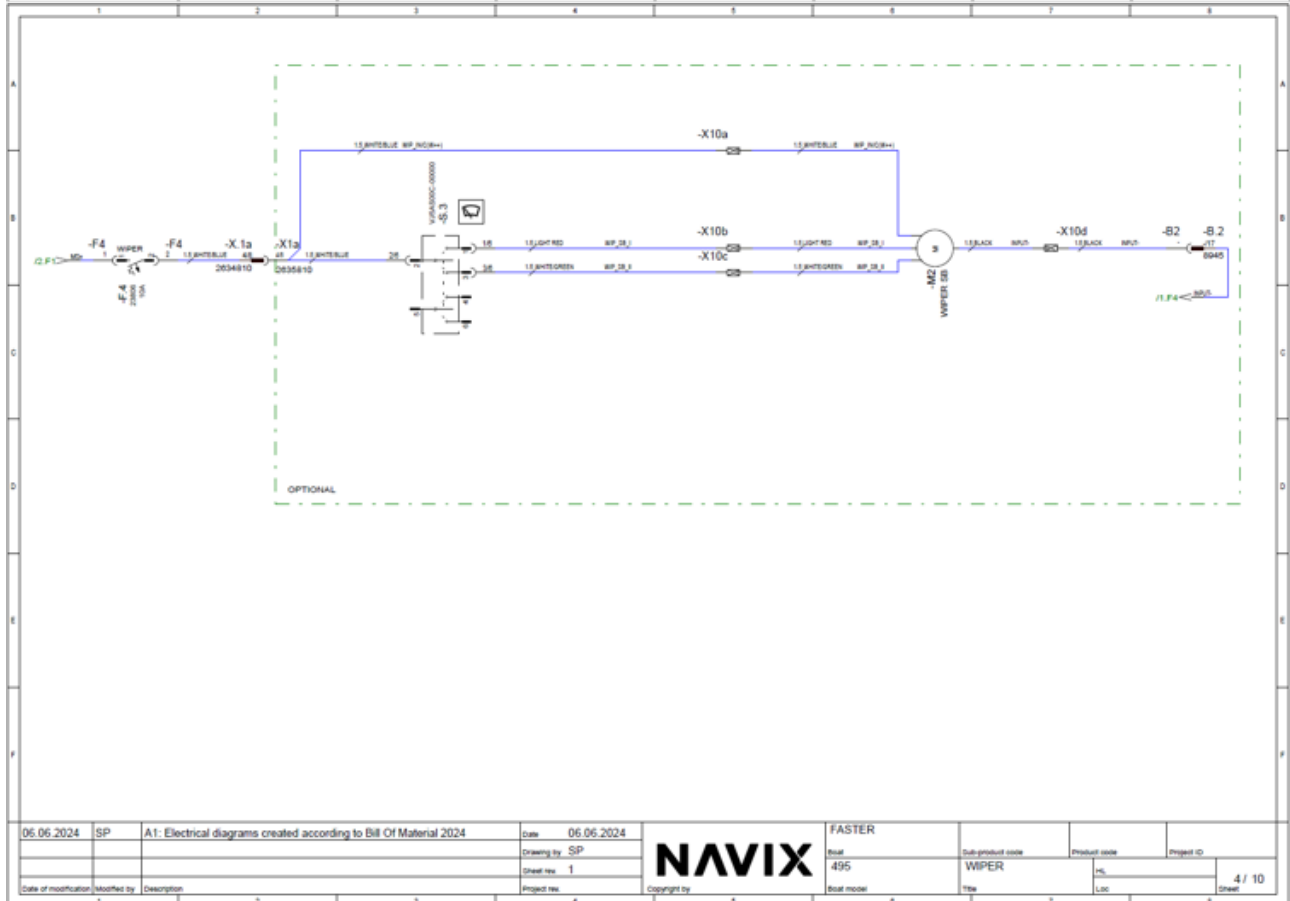
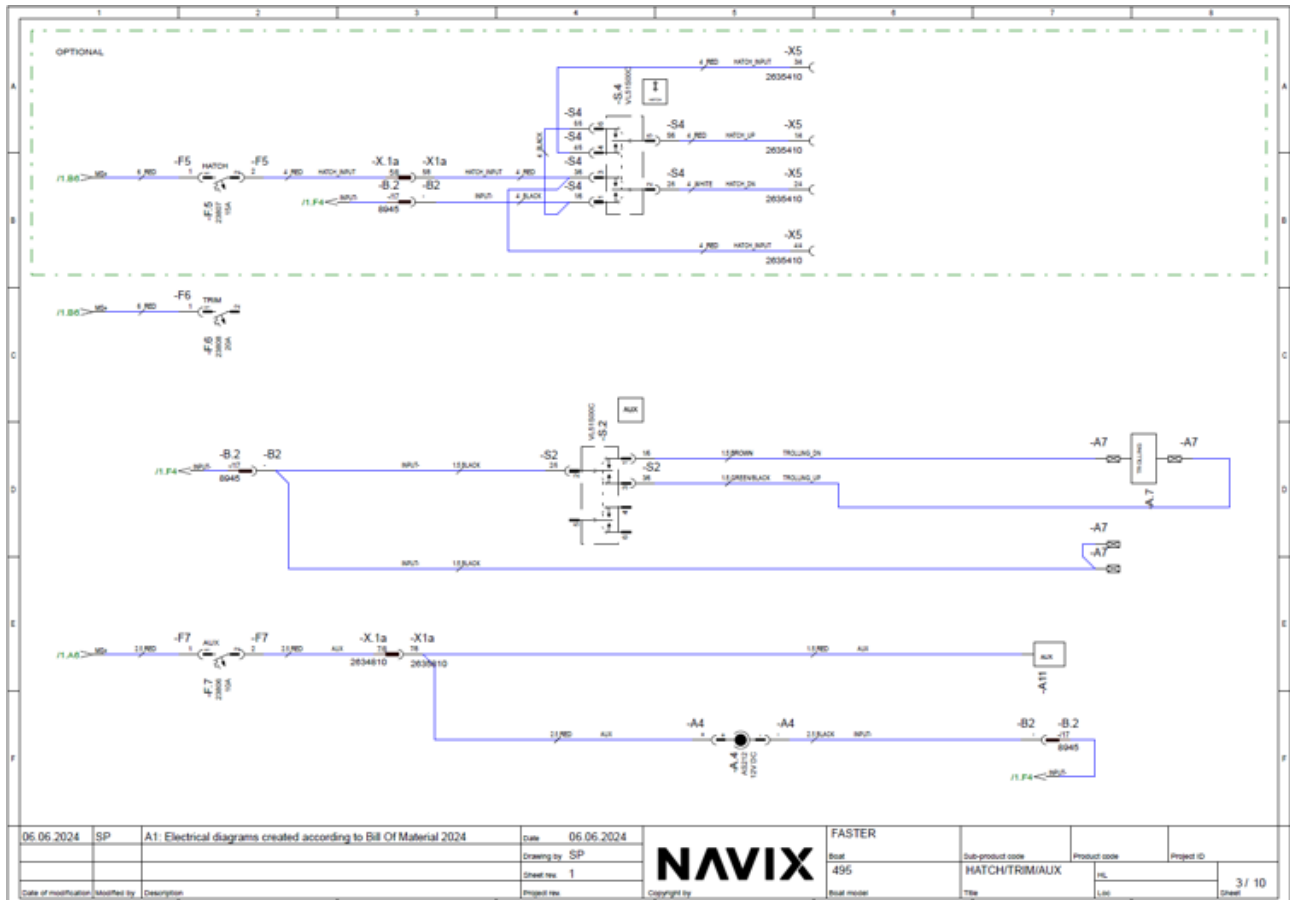
|                      |             |                                                                    |             |            |                                                                                     |             |                  |              |            |        |
|----------------------|-------------|--------------------------------------------------------------------|-------------|------------|-------------------------------------------------------------------------------------|-------------|------------------|--------------|------------|--------|
| 06.06.2024           | SP          | A1: Electrical diagrams created according to Bill Of Material 2024 | date        | 06.06.2024 |  | FASTER      |                  |              |            |        |
|                      |             |                                                                    | Drawing by  | SP         |                                                                                     | Sheet       | Sub-product code | Product code | Project ID |        |
|                      |             |                                                                    | Sheet rev   | 1          |                                                                                     | 460         | WIPER            |              |            |        |
| Date of modification | Modified by | Description                                                        | Project rev |            |                                                                                     | Sheet model |                  |              | PL         |        |
|                      |             |                                                                    |             |            | Copyright by                                                                        |             | LT               |              |            | 4 / 10 |
|                      |             |                                                                    |             |            |                                                                                     |             | LT               |              |            | Sheet  |

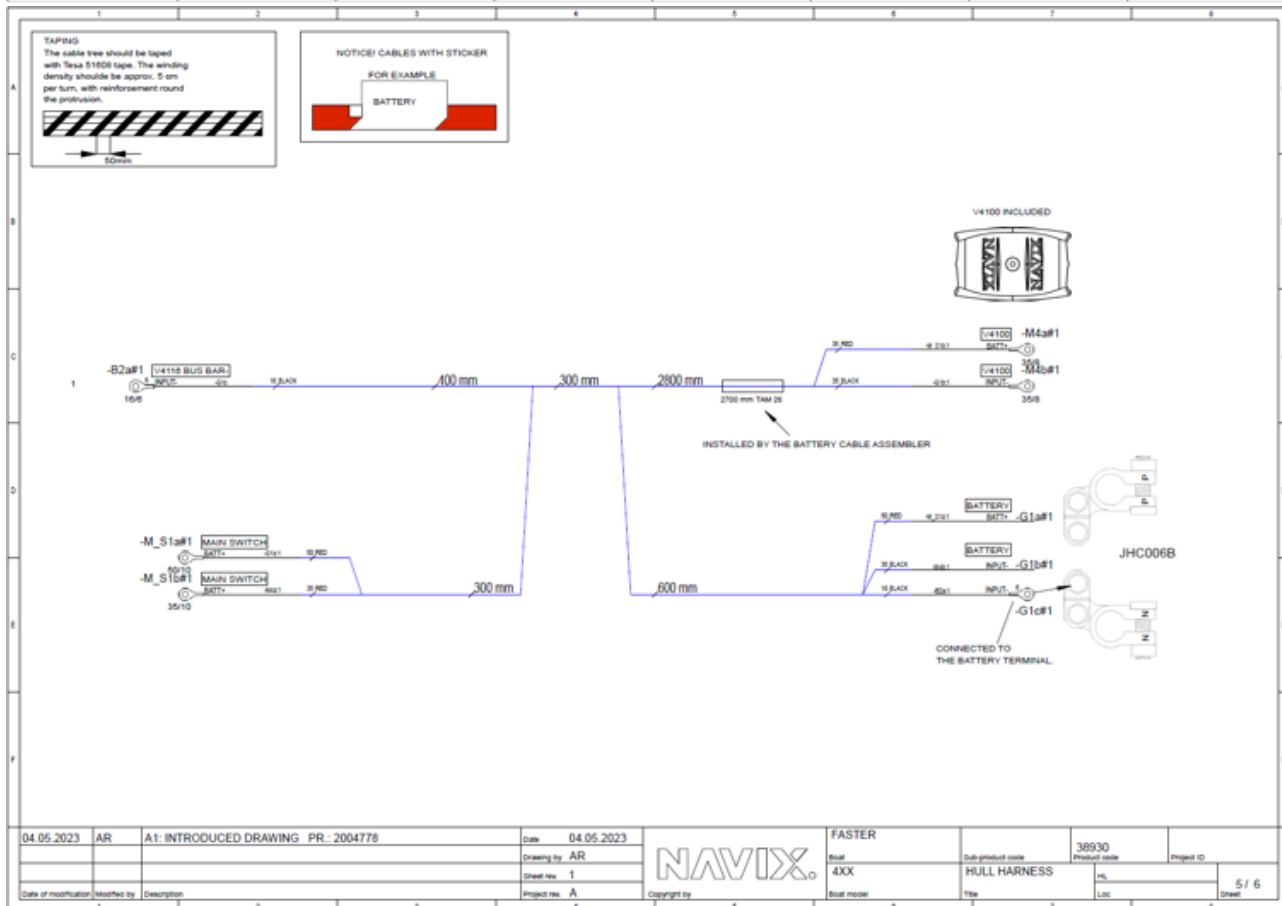
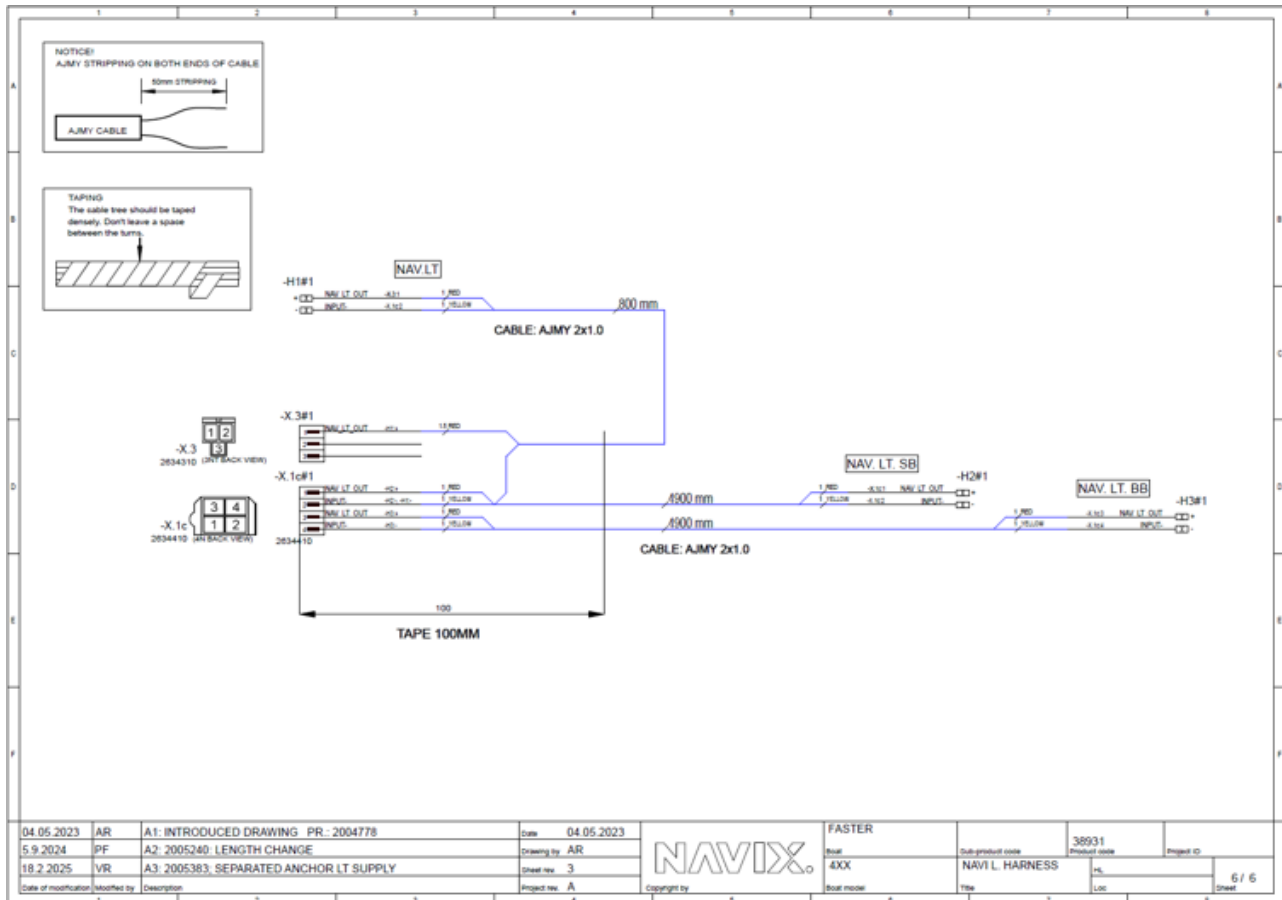


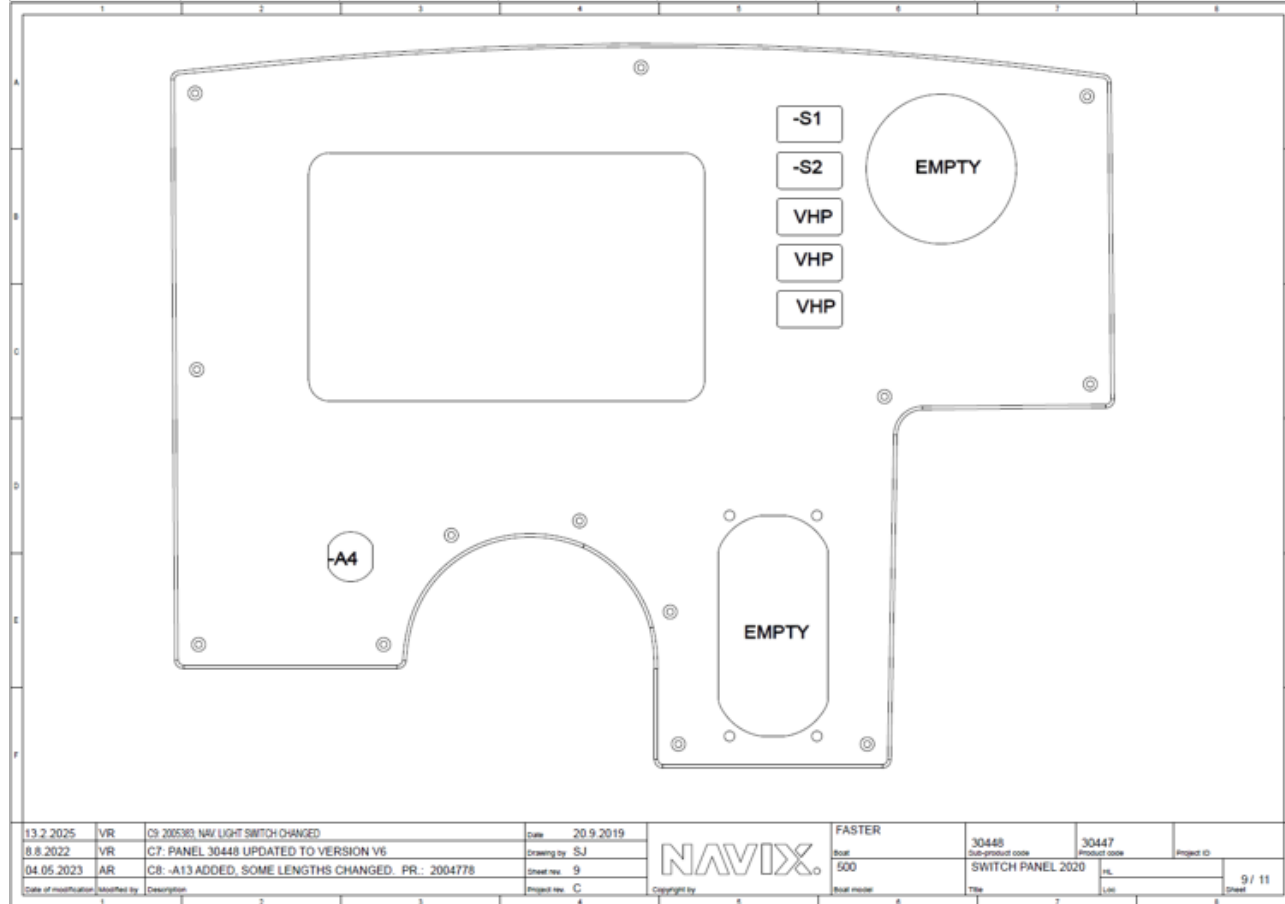
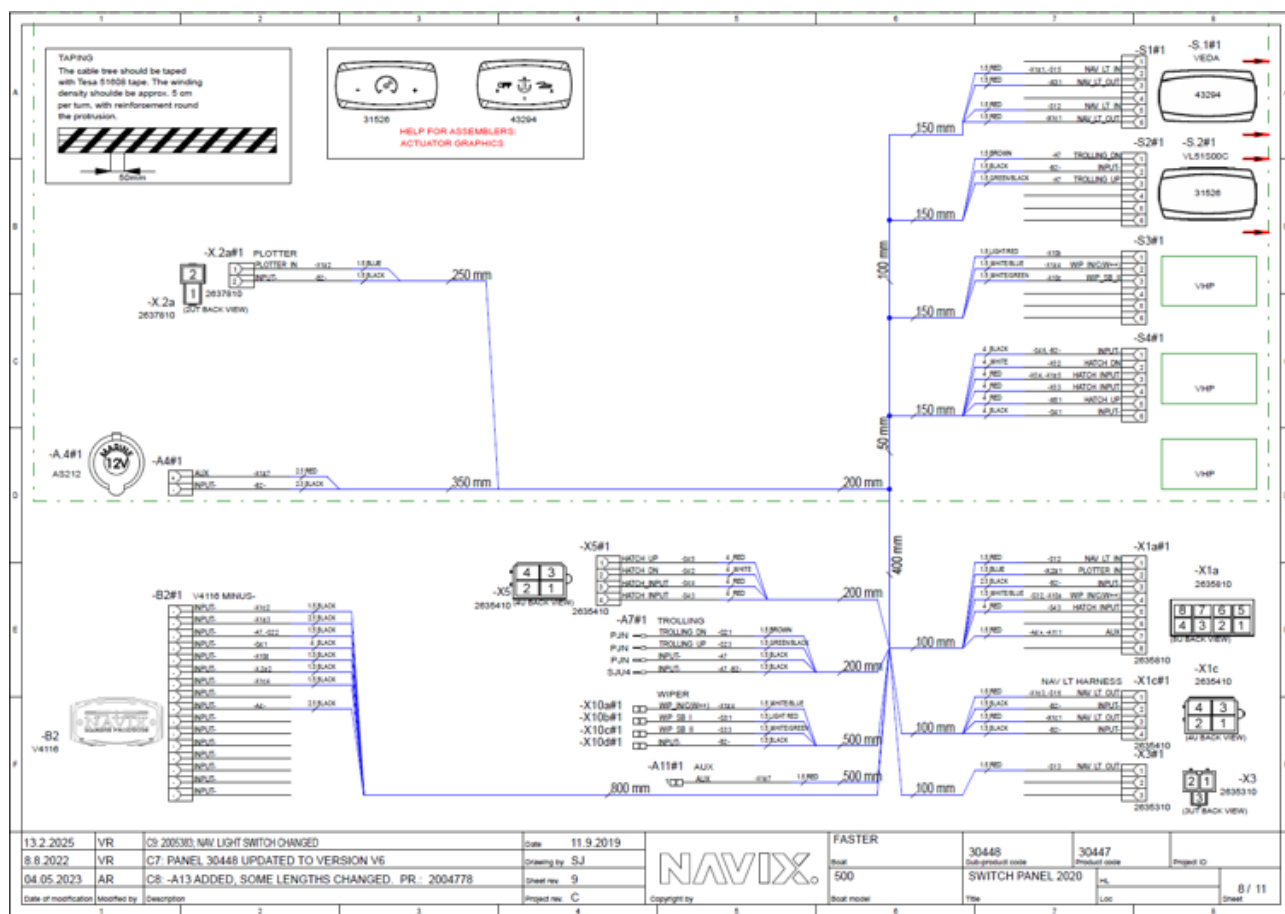


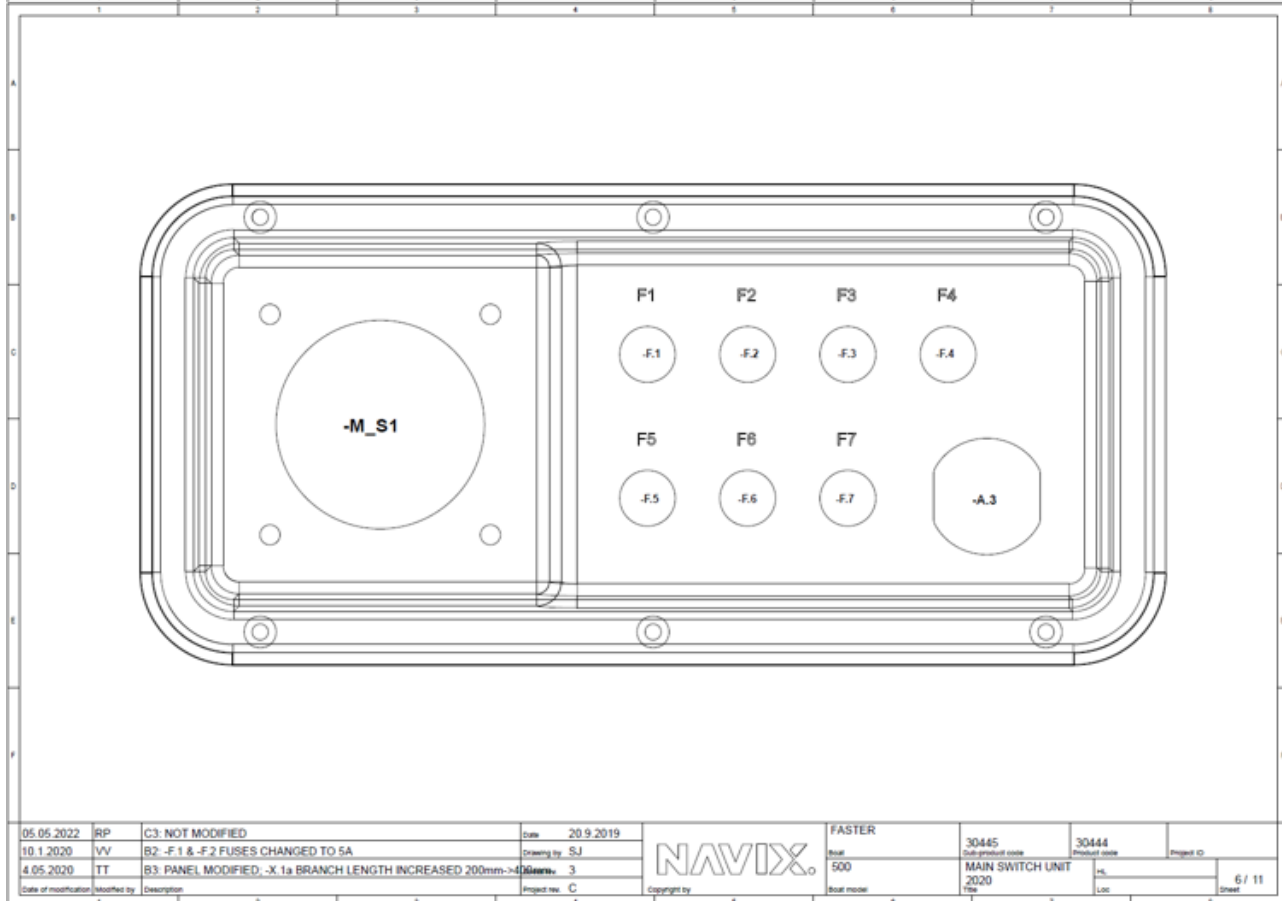
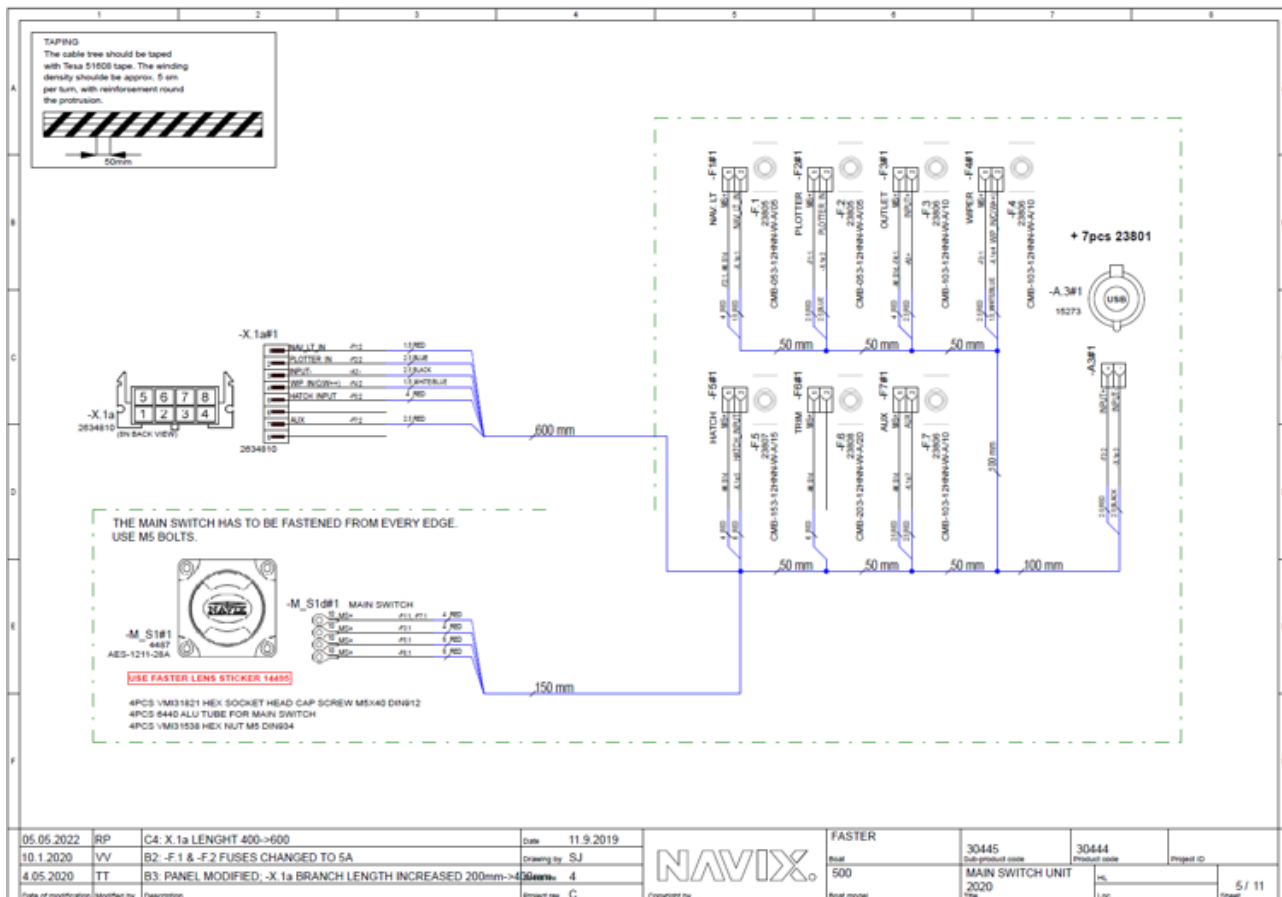




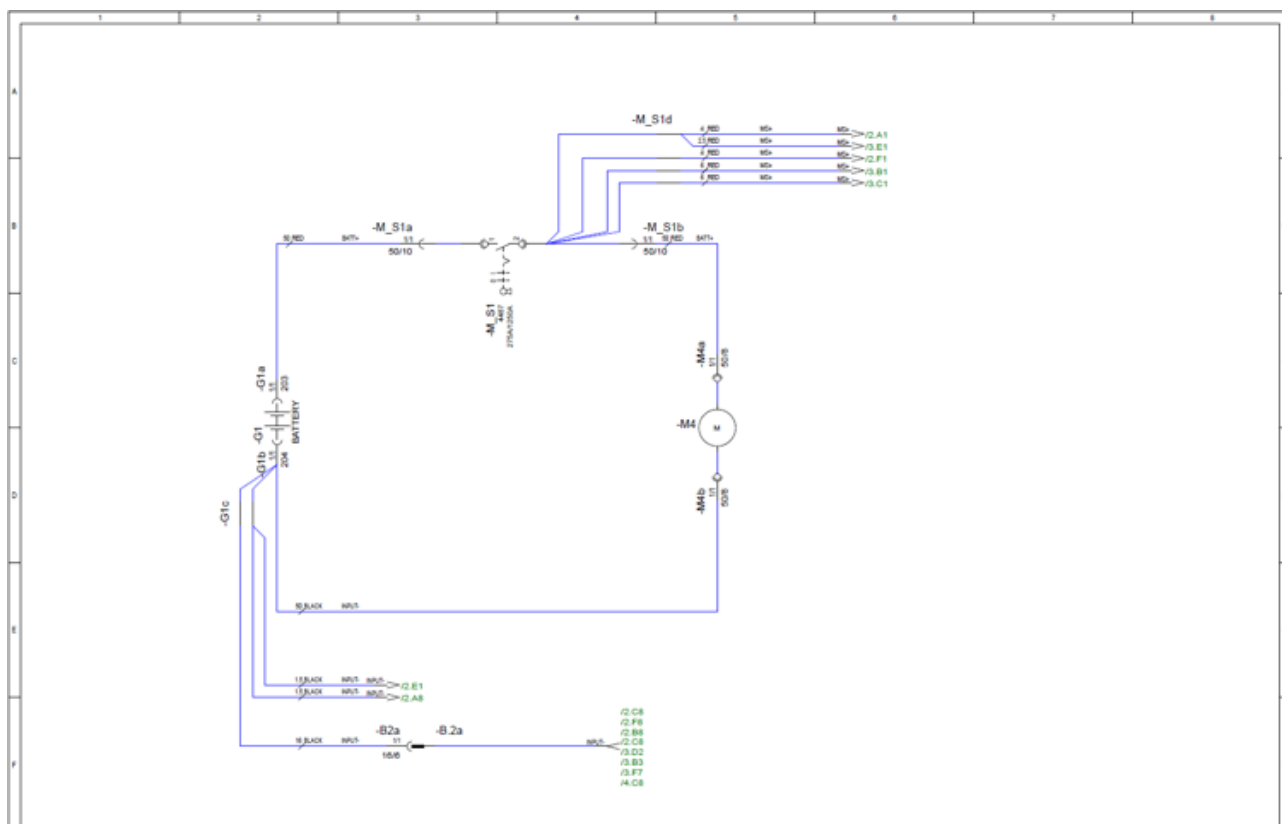




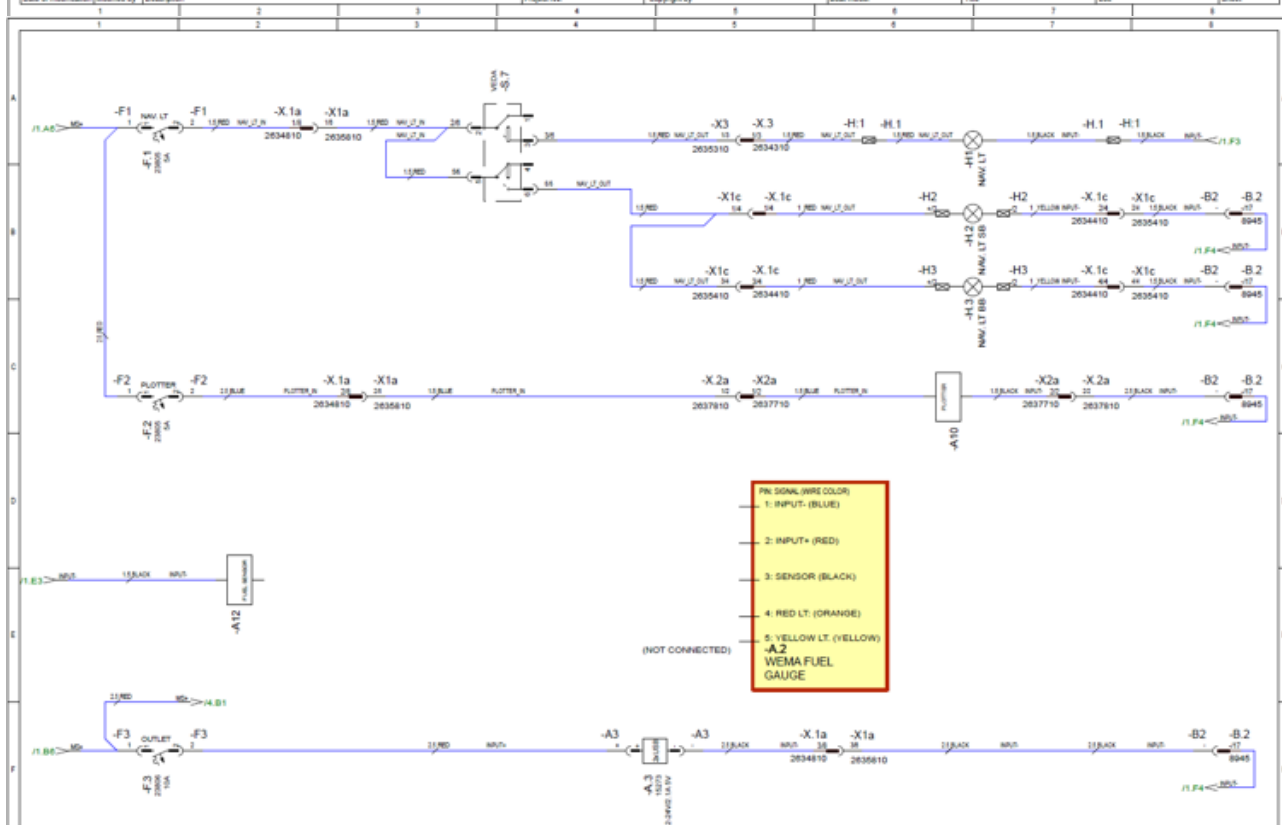




# Sähkökaavio / Elkrestdiagram / Electrical diagram 525

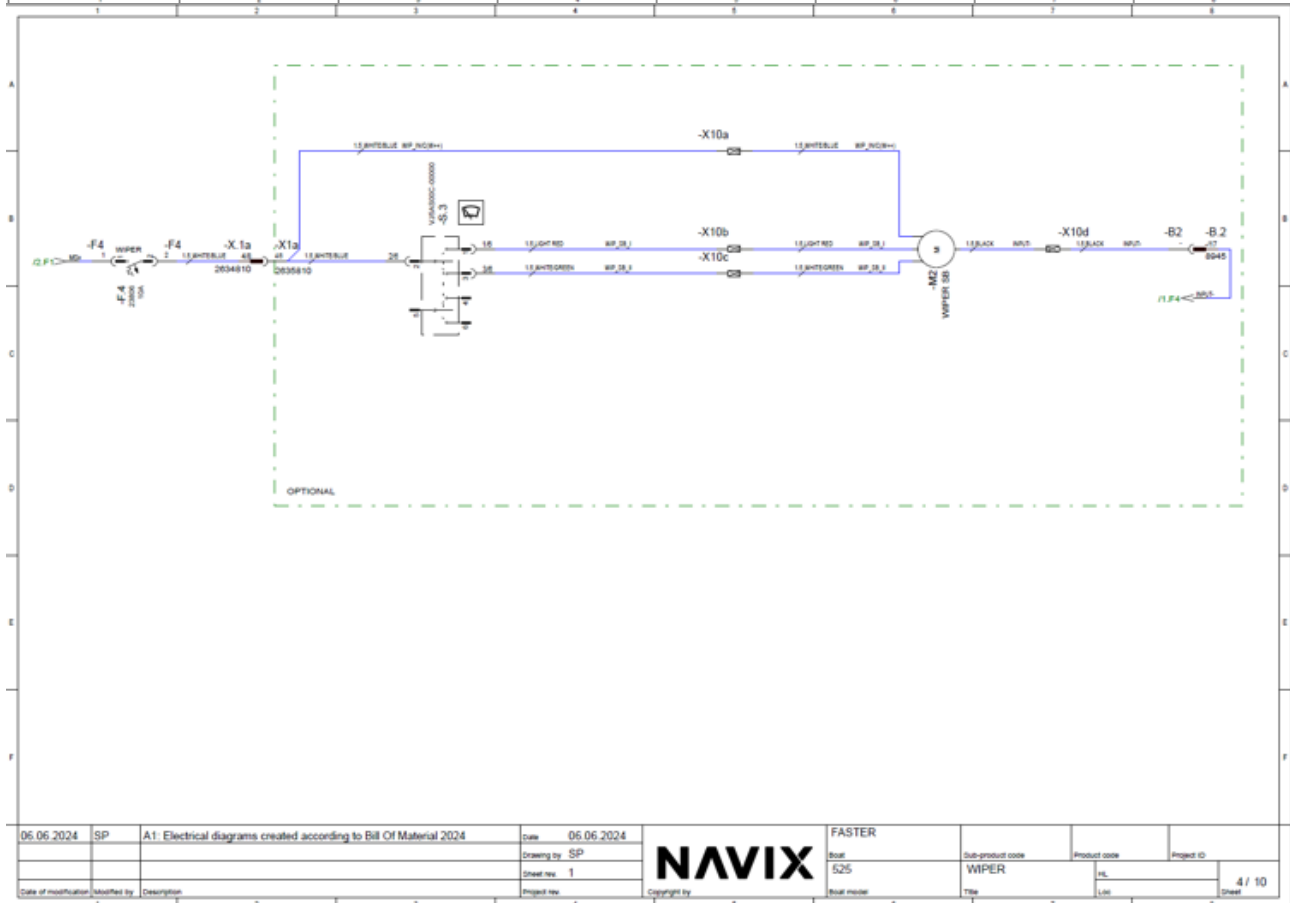
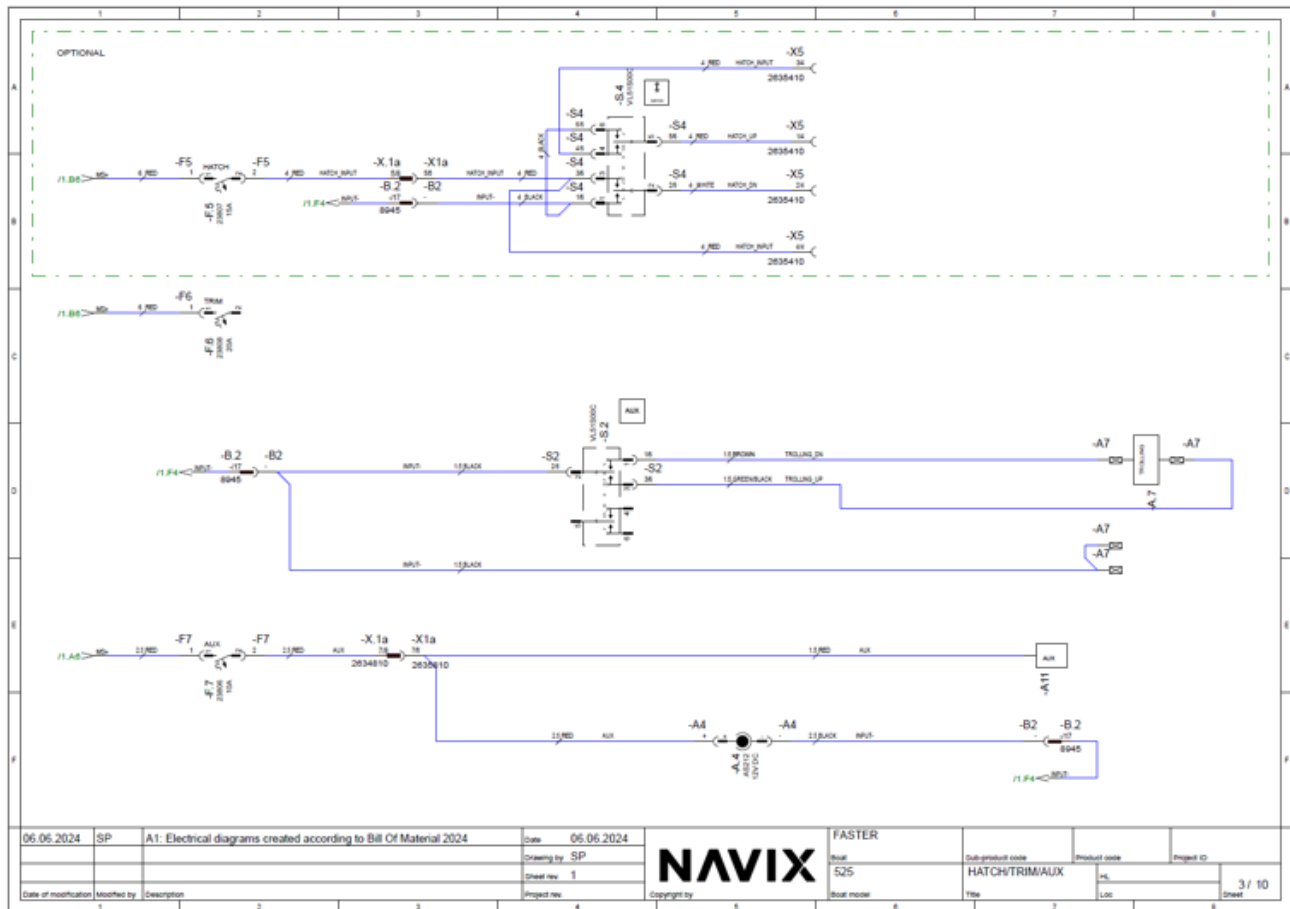


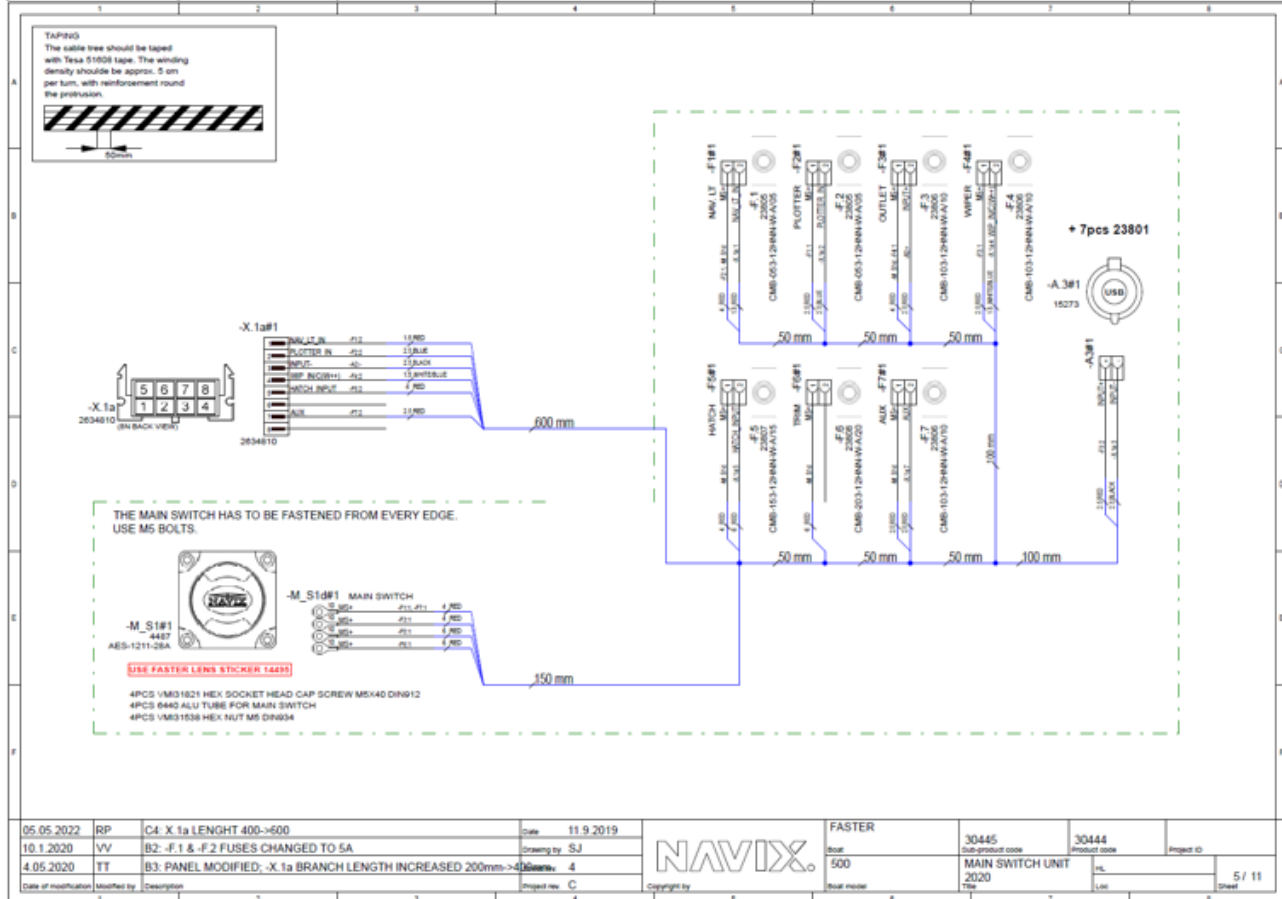
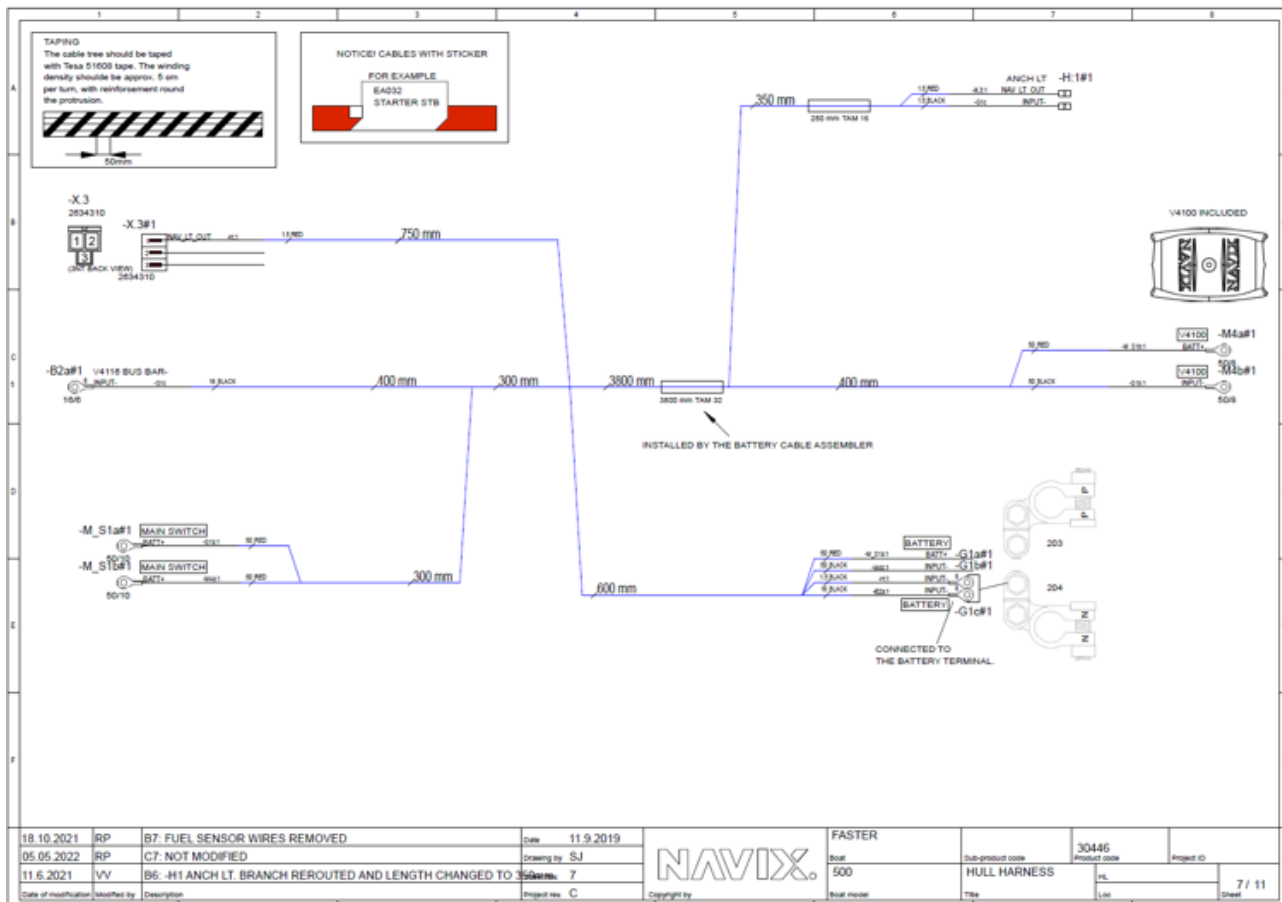
|            |    |                                                                    |              |            |        |                  |              |            |
|------------|----|--------------------------------------------------------------------|--------------|------------|--------|------------------|--------------|------------|
| 06.06.2024 | SP | A1: Electrical diagrams created according to Bill Of Material 2024 | Date         | 06.06.2024 | FASTER | Sub-product code | Product code | Project ID |
|            |    |                                                                    | Drawn by     | SP         | 525    | MAIN             | HL           | 1 / 10     |
|            |    |                                                                    | Sheet no.    | 1          |        |                  |              |            |
|            |    |                                                                    | Project no.  |            |        |                  |              |            |
|            |    |                                                                    | Copyright by | NAVIX      |        |                  |              |            |

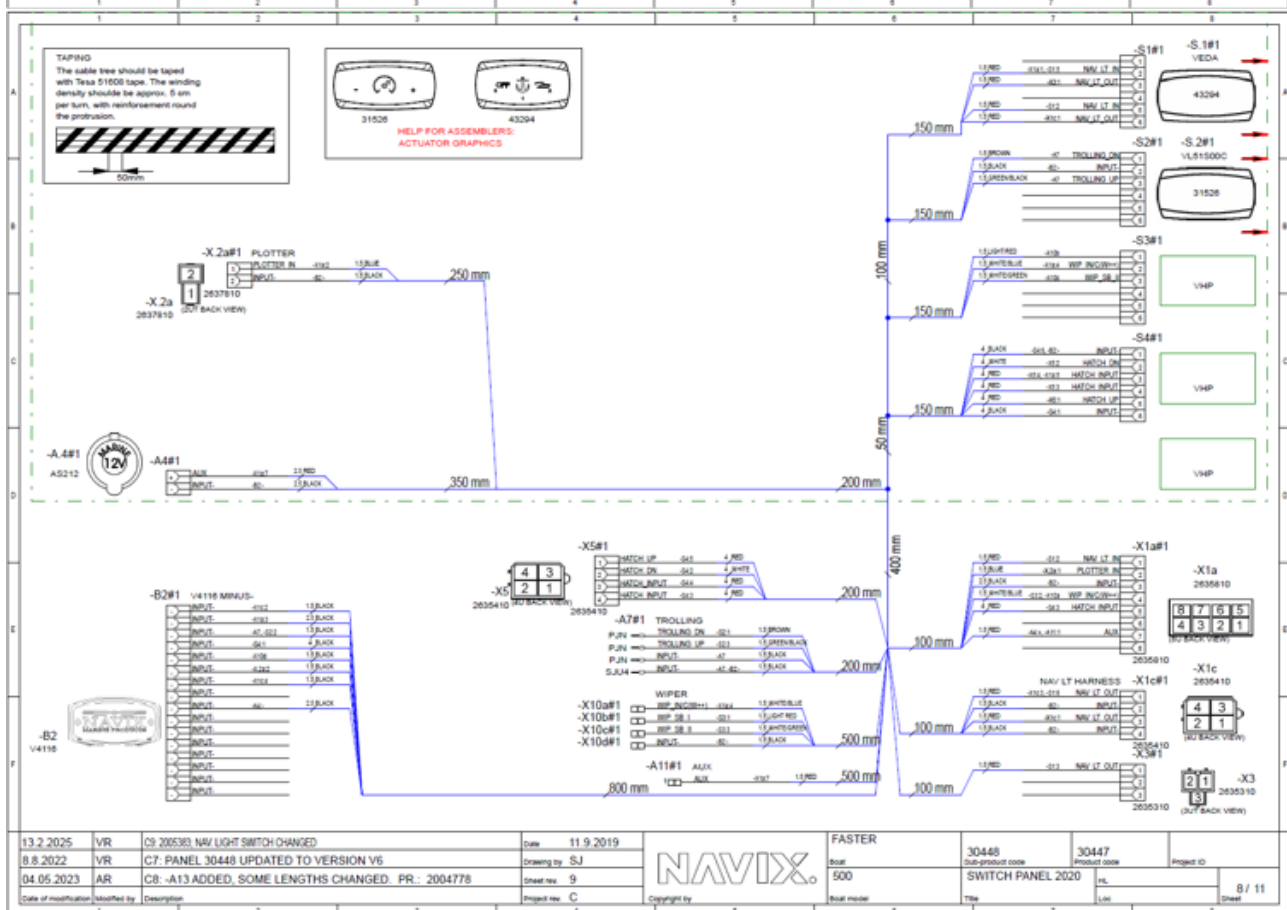
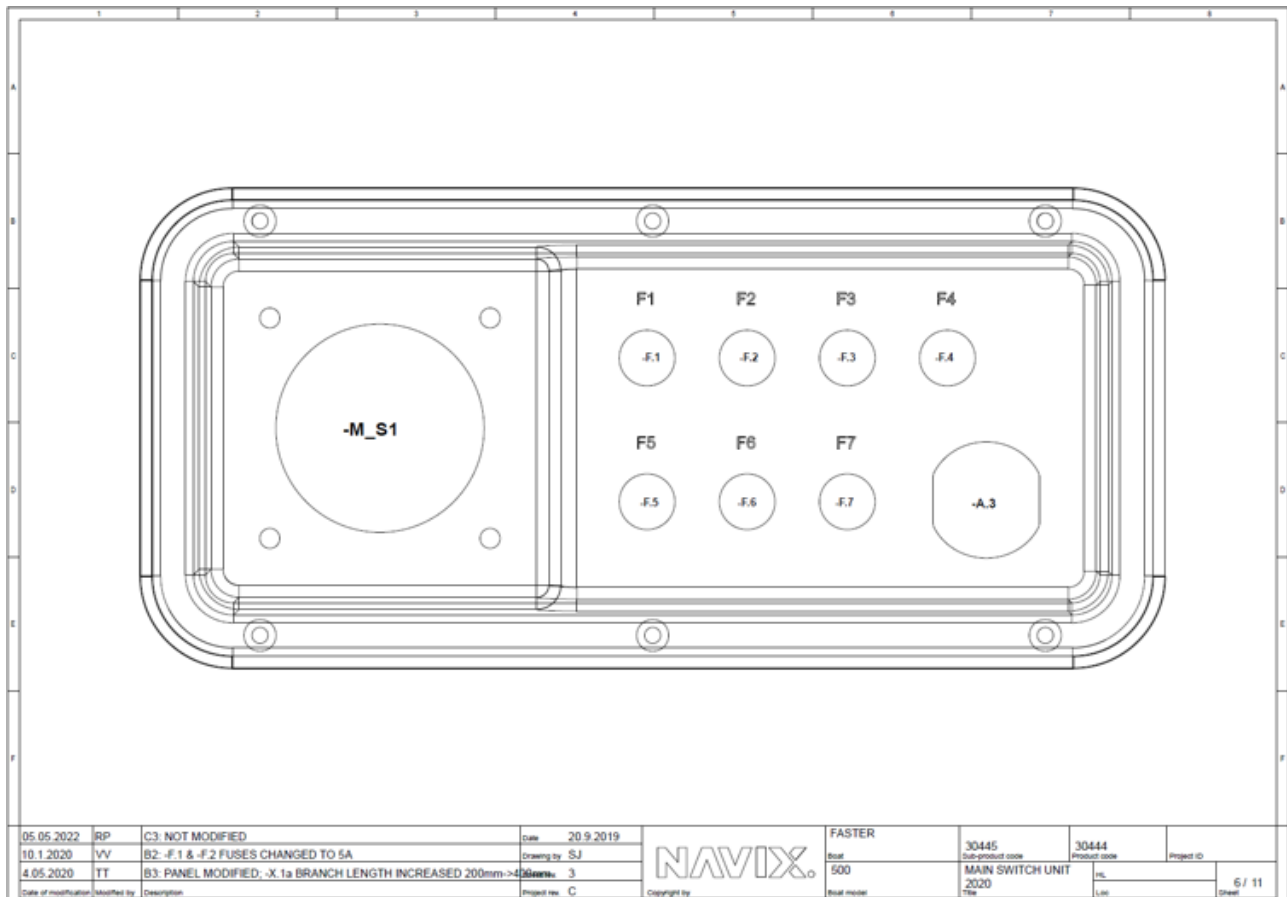


| Pin             | Signal (Wire Color) |
|-----------------|---------------------|
| 1               | INPUT- (BLUE)       |
| 2               | INPUT+ (RED)        |
| 3               | SENSOR (BLACK)      |
| 4               | RED LT. (ORANGE)    |
| 5               | YELLOW LT. (YELLOW) |
| WEMA FUEL GAUGE |                     |

|            |    |                                                                    |              |            |        |                                              |              |            |
|------------|----|--------------------------------------------------------------------|--------------|------------|--------|----------------------------------------------|--------------|------------|
| 06.06.2024 | SP | A1: Electrical diagrams created according to Bill Of Material 2024 | Date         | 06.06.2024 | FASTER | Sub-product code                             | Product code | Project ID |
|            |    |                                                                    | Drawn by     | SP         | 525    | ANCHORNAVI. LT. / PLOTTER / FUEL S. / OUTLET | HL           | 2 / 10     |
|            |    |                                                                    | Sheet no.    | 1          |        |                                              |              |            |
|            |    |                                                                    | Project no.  |            |        |                                              |              |            |
|            |    |                                                                    | Copyright by | NAVIX      |        |                                              |              |            |

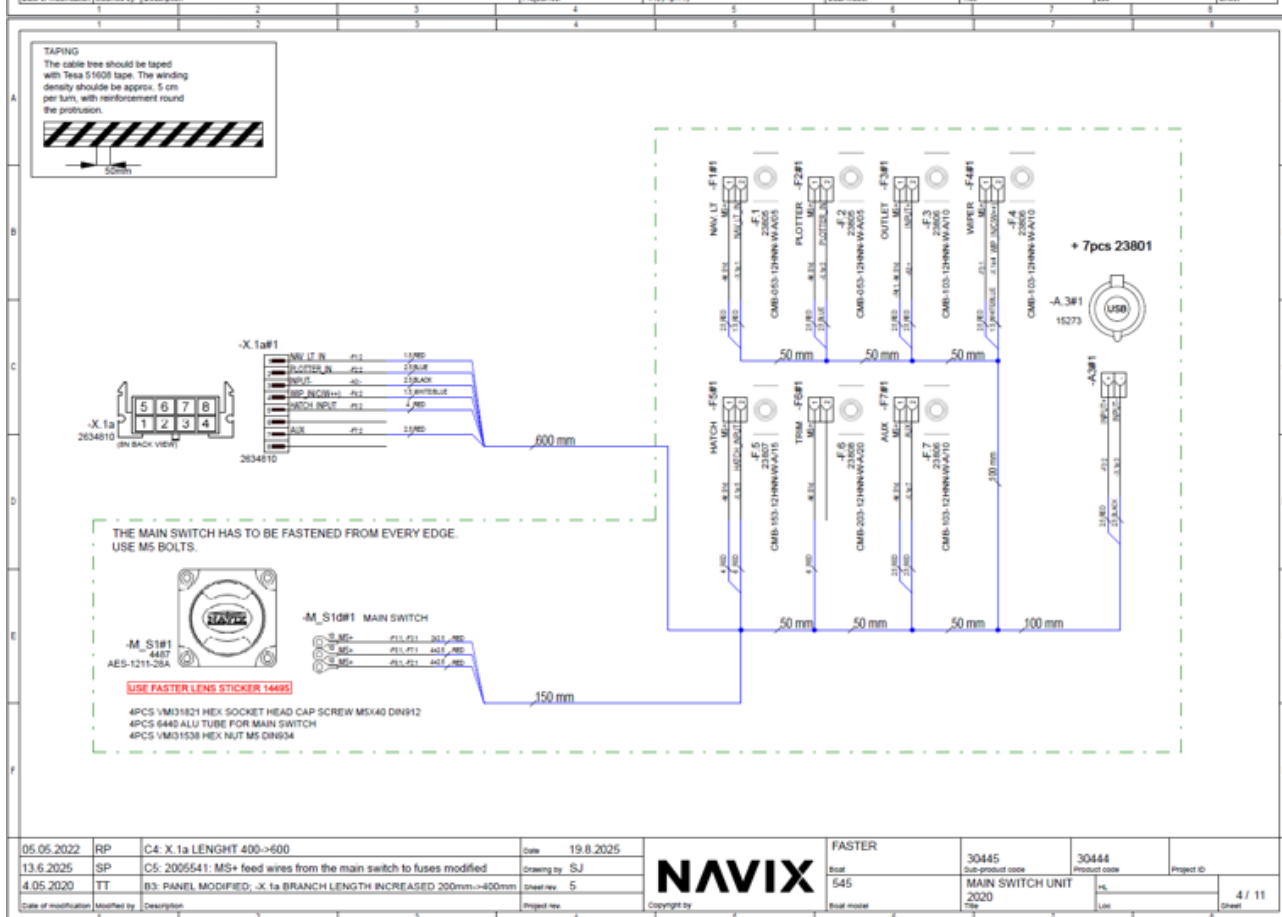
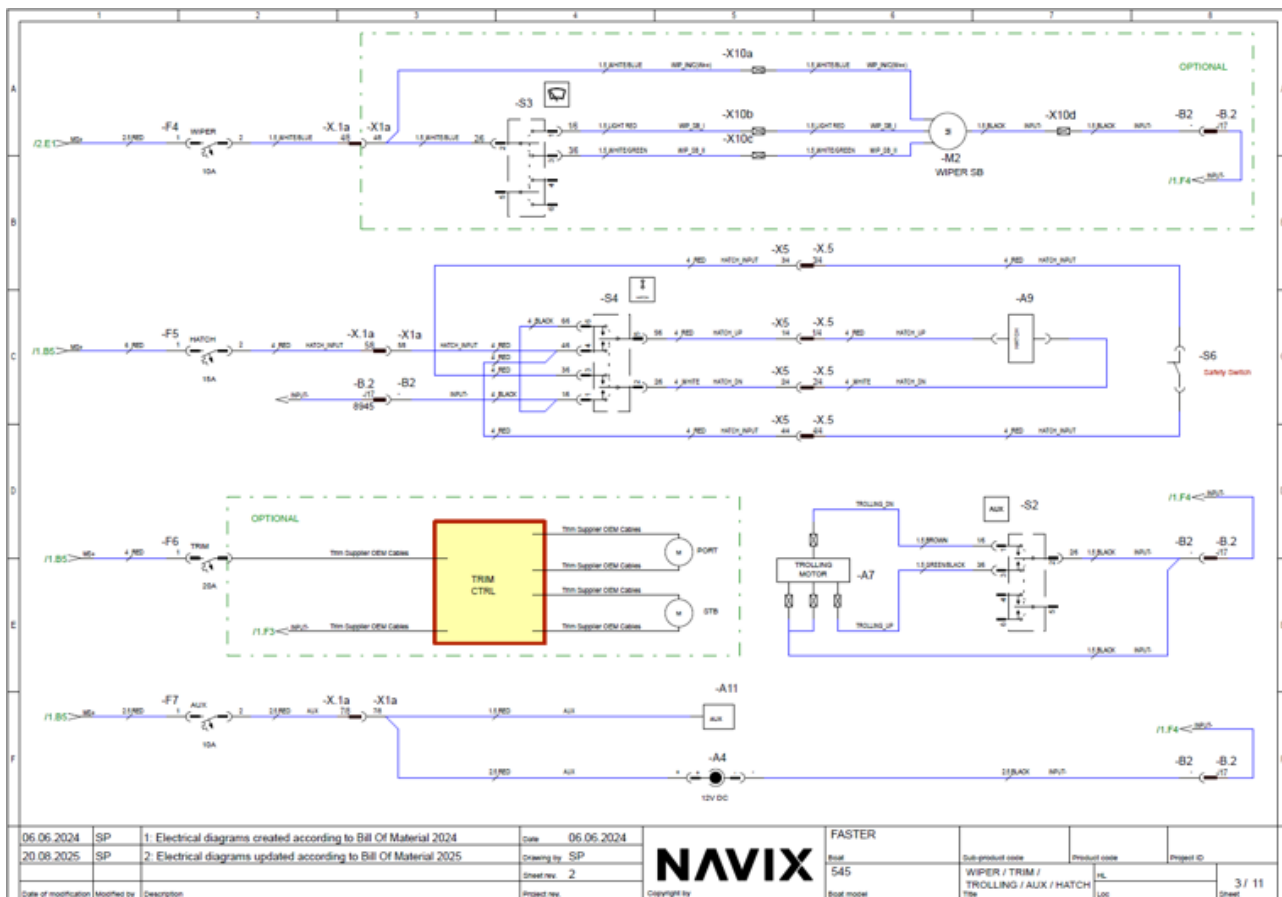


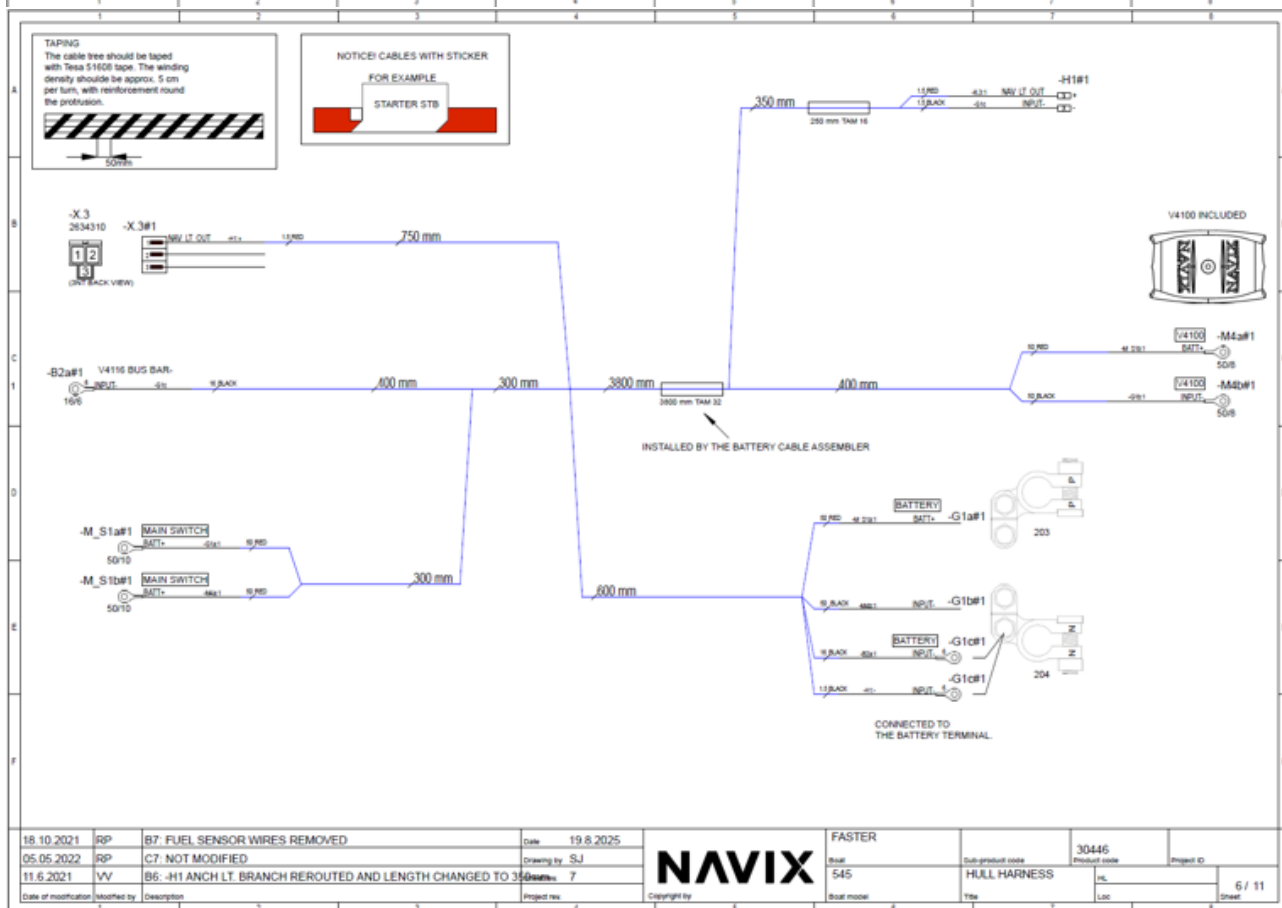
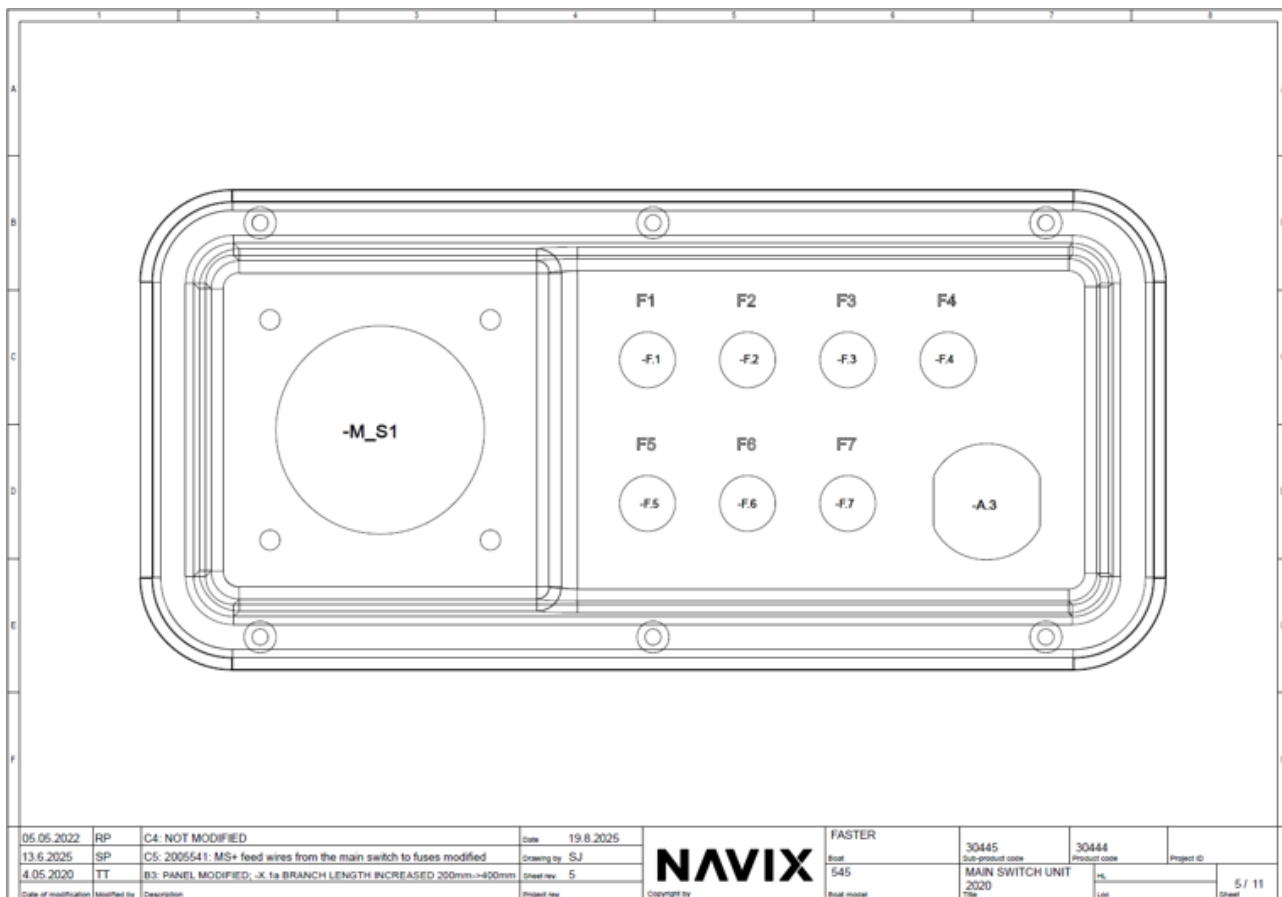


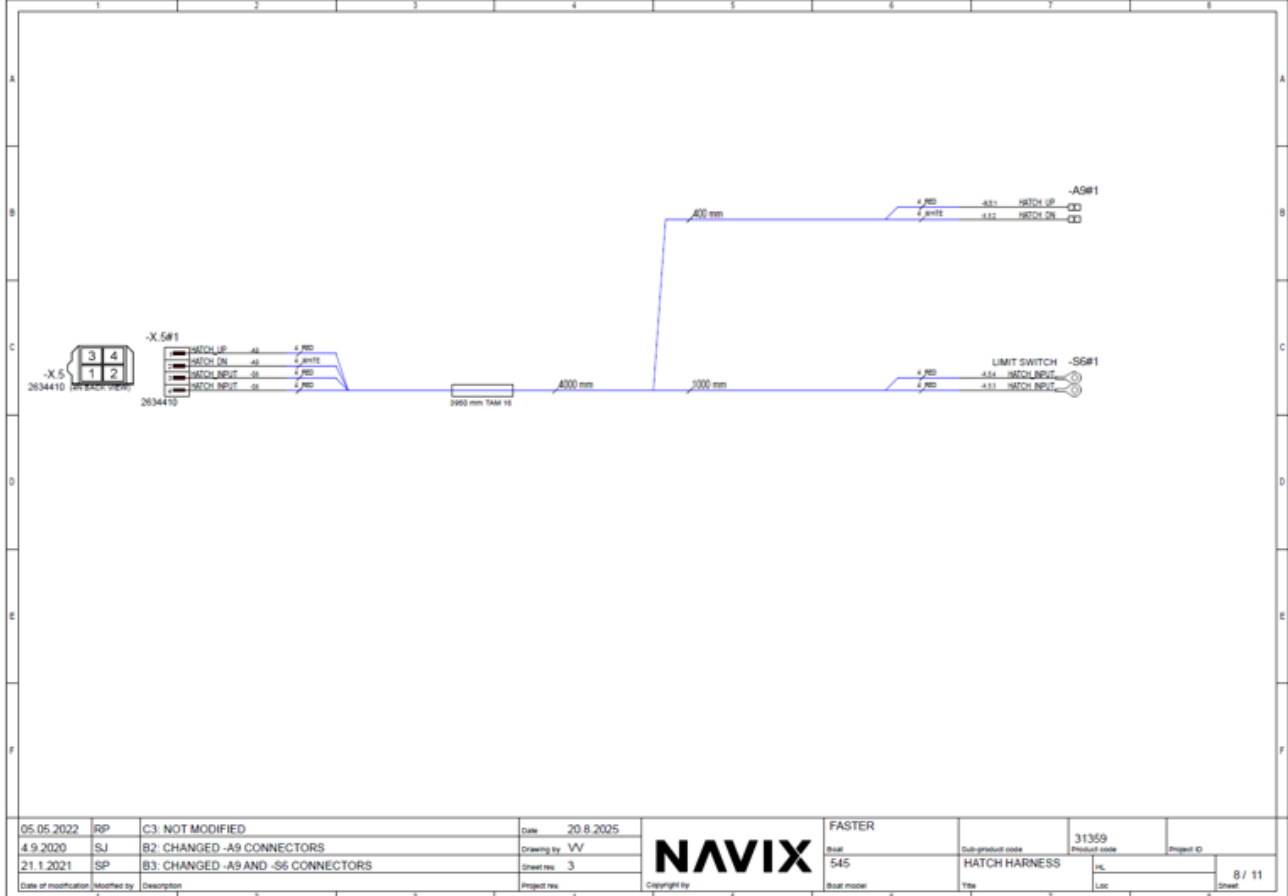
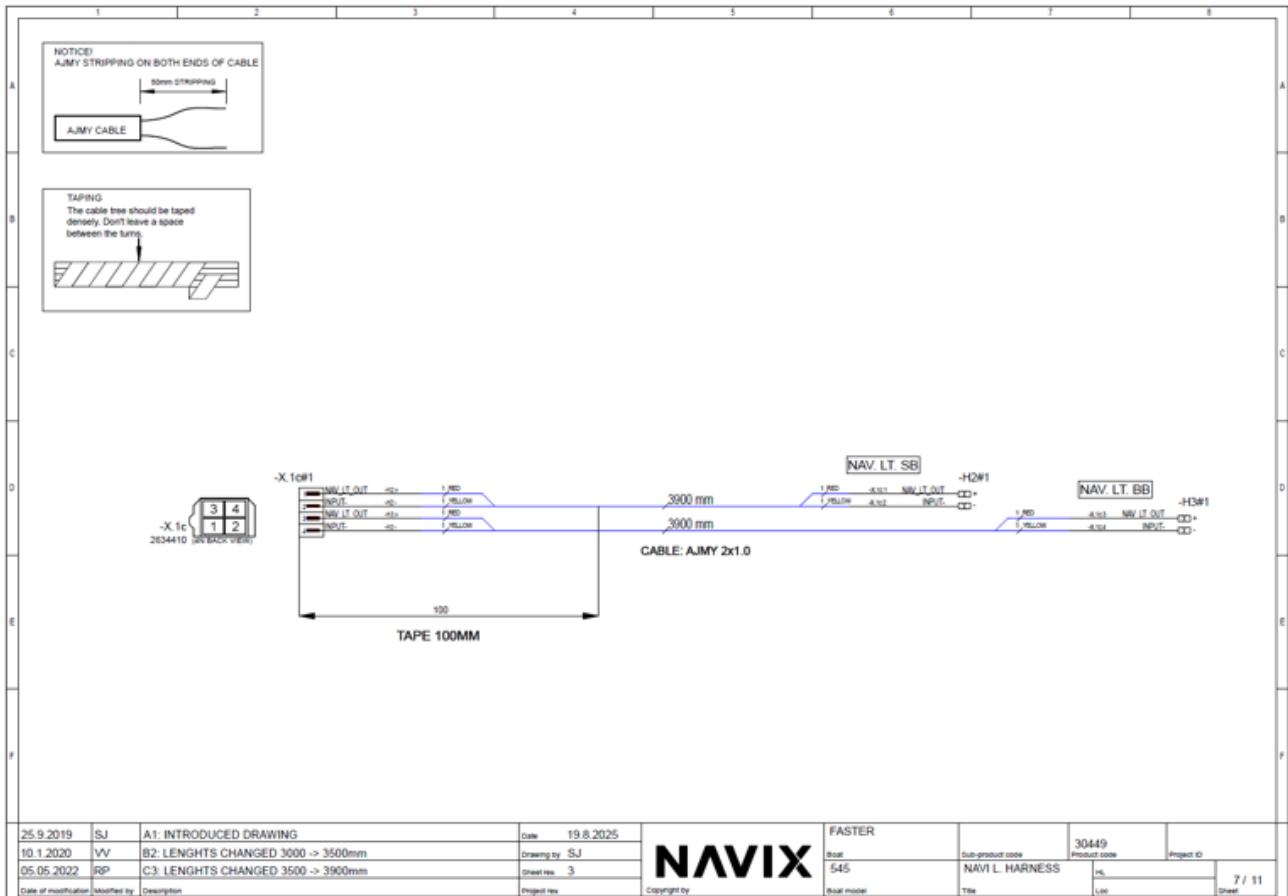




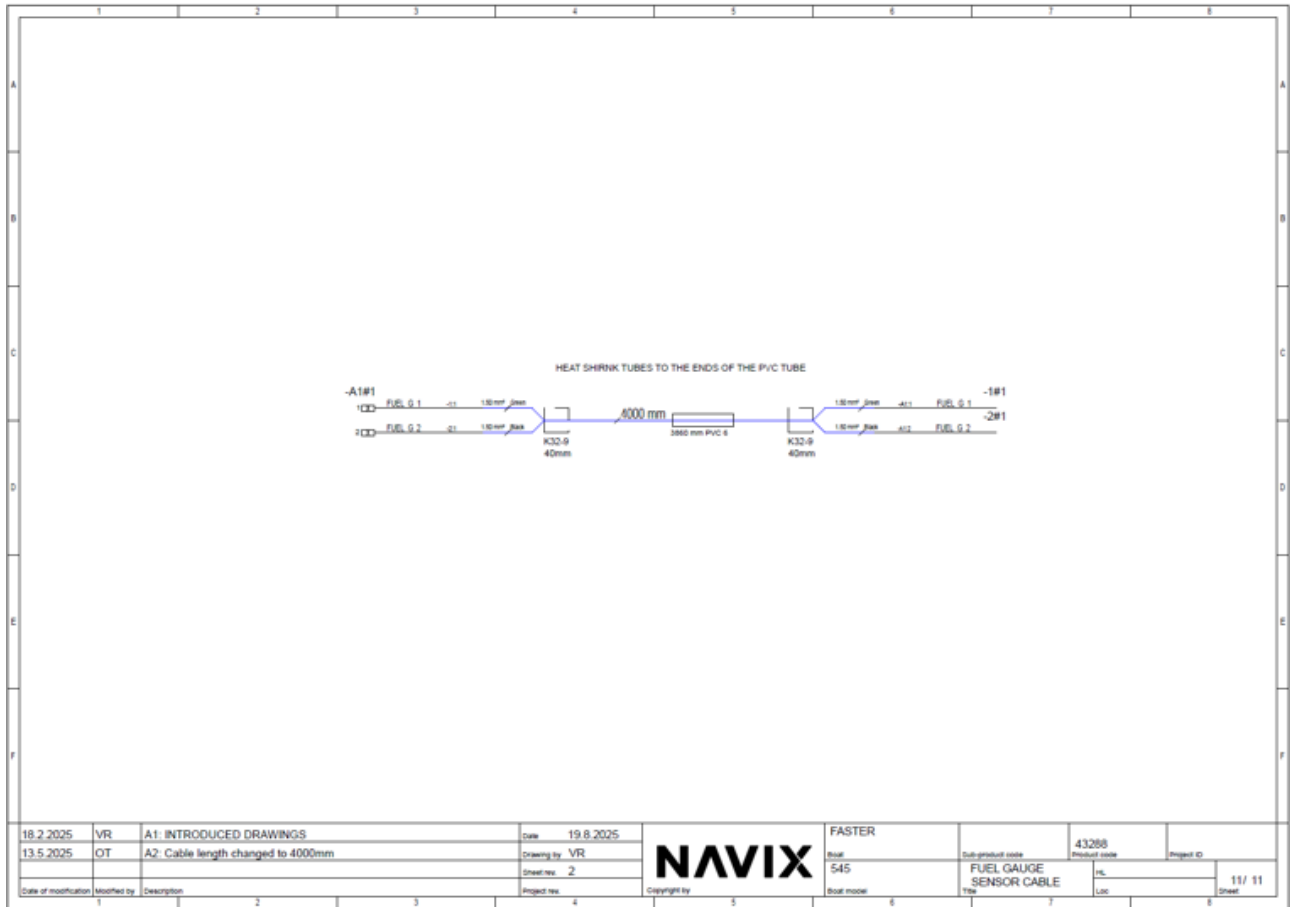




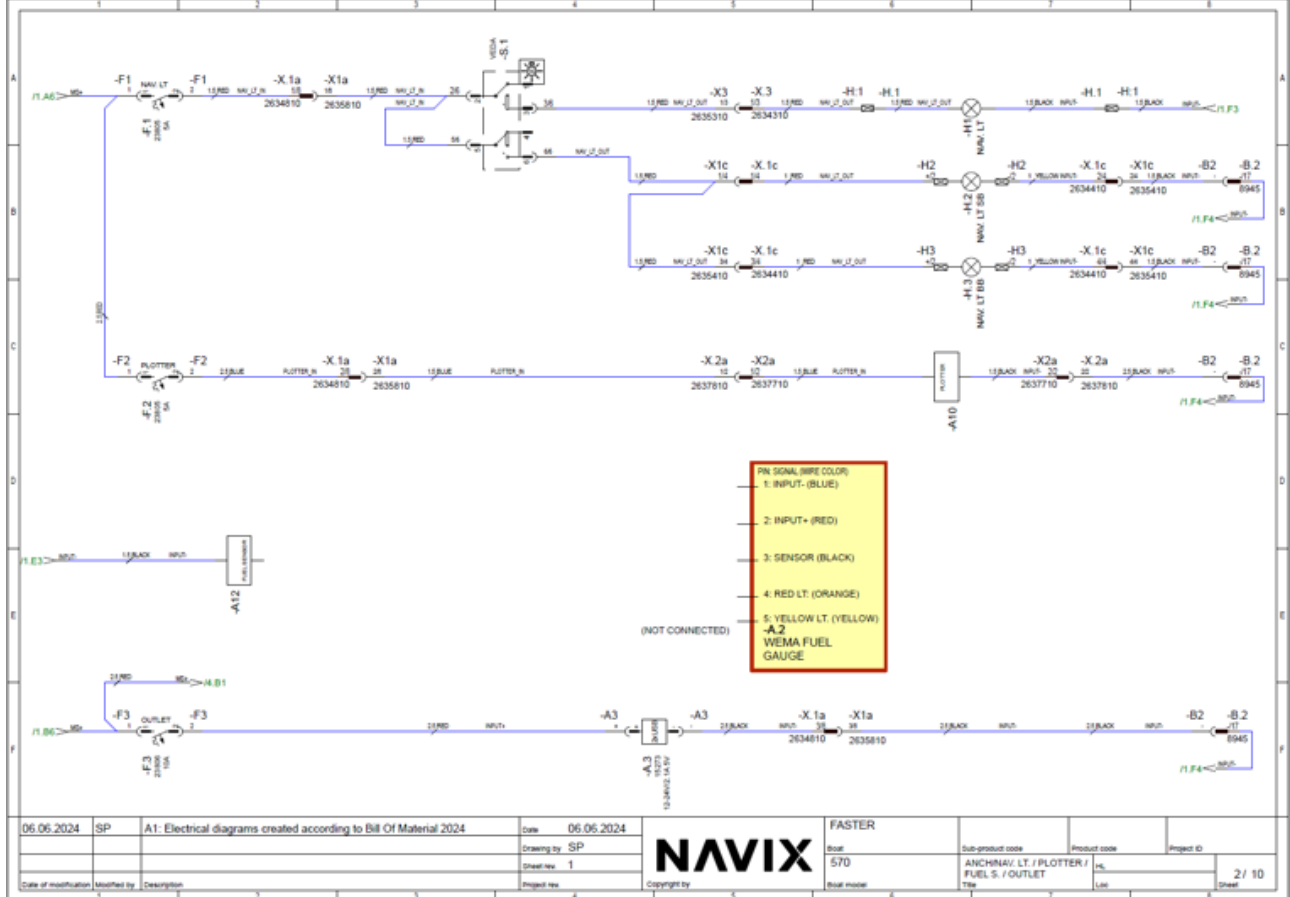
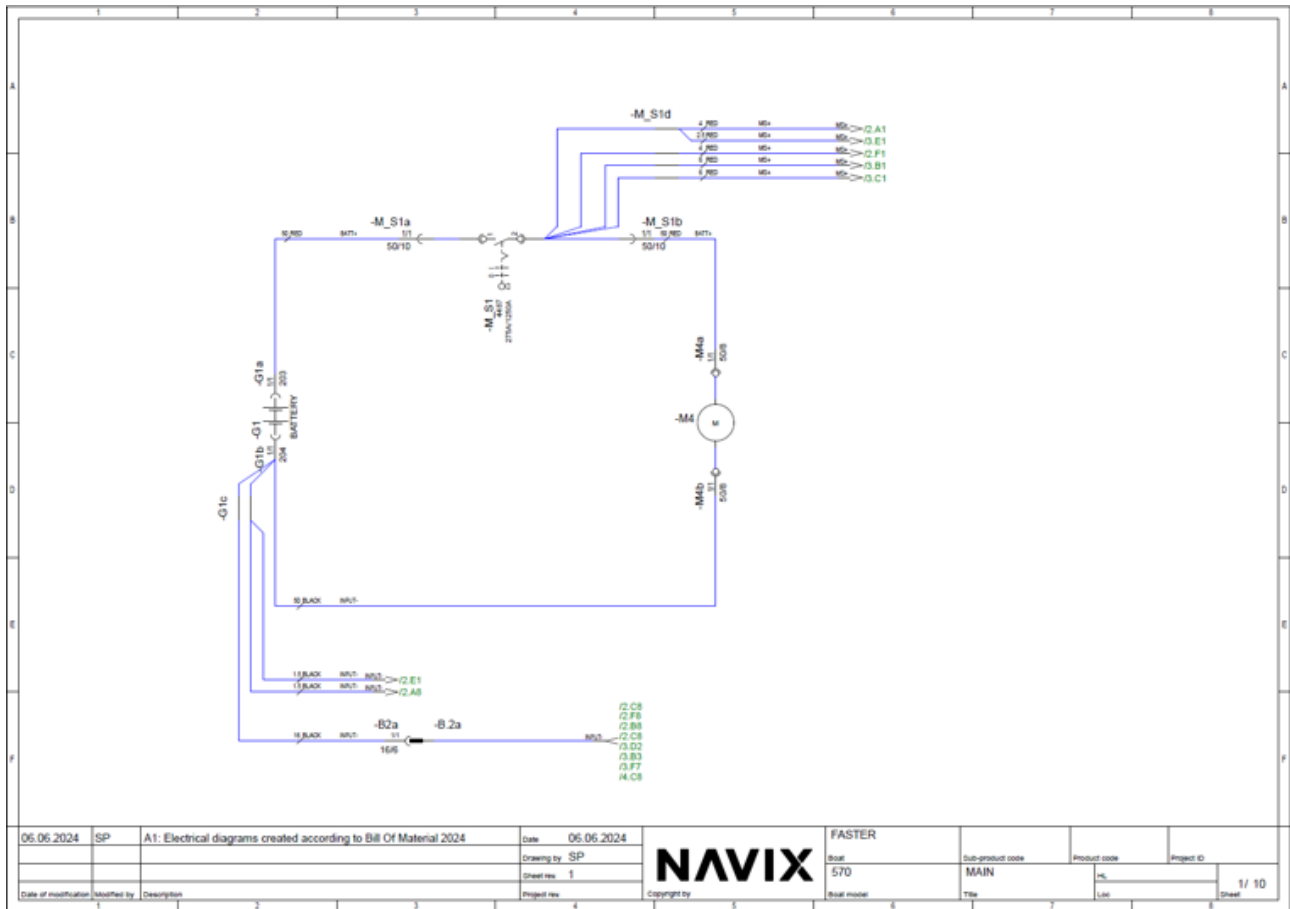


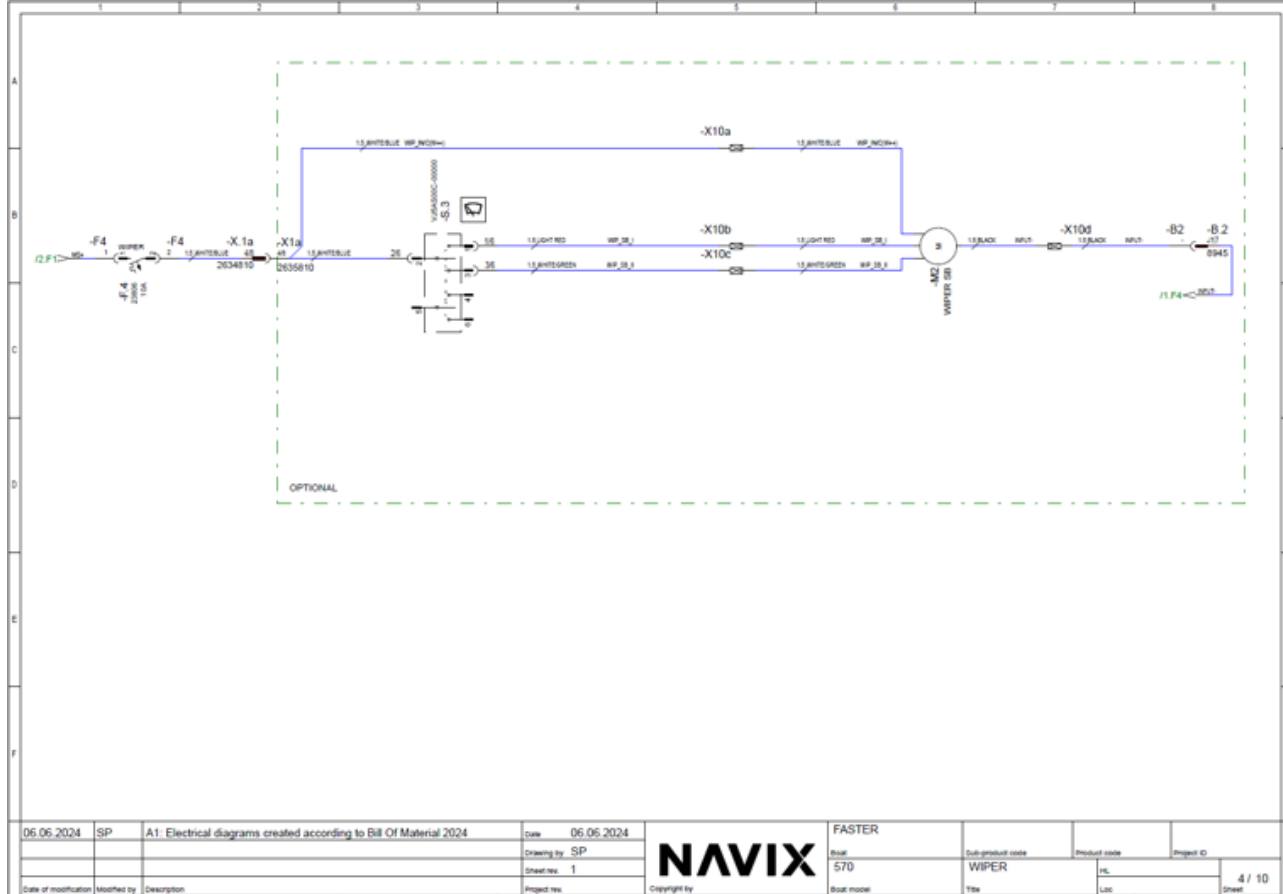
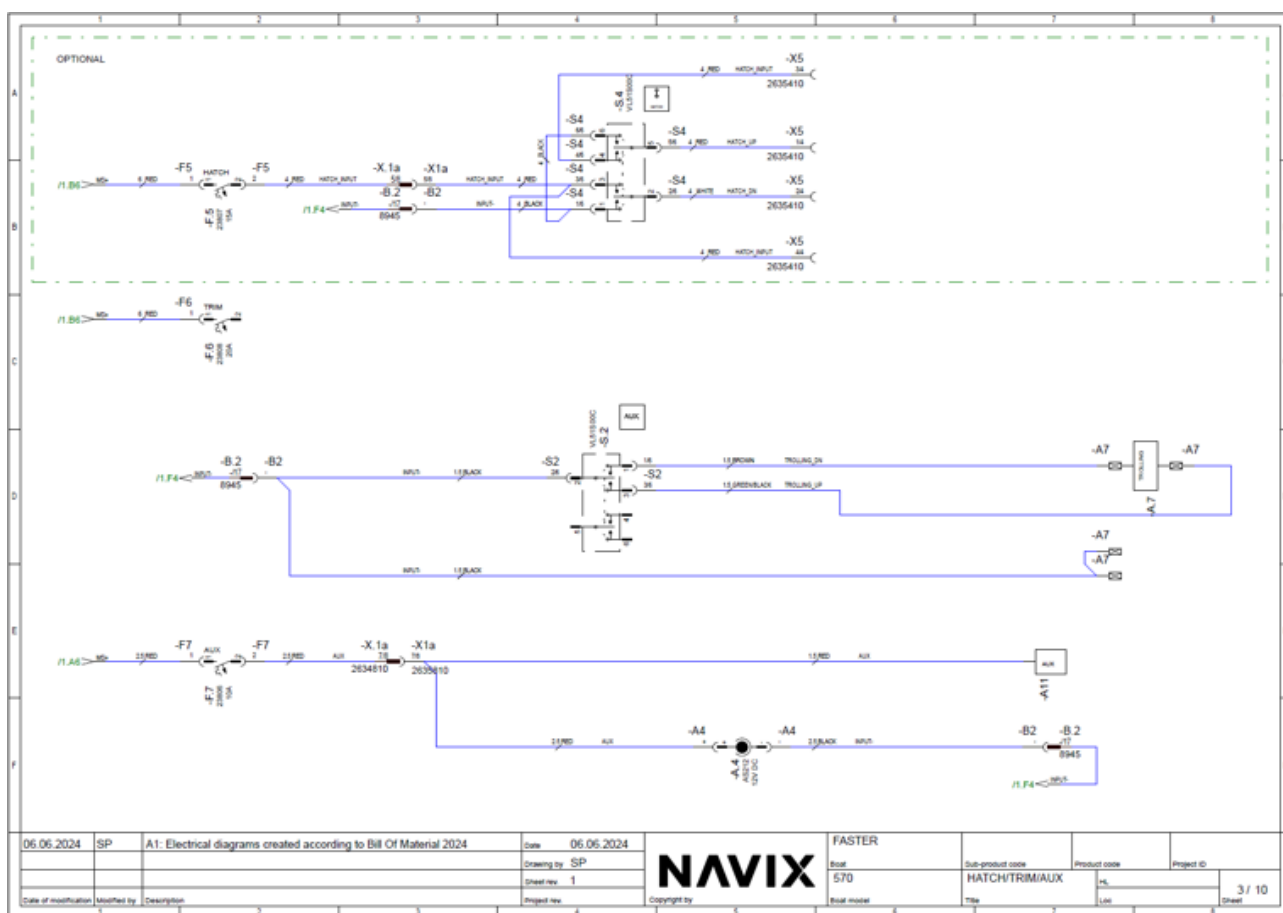


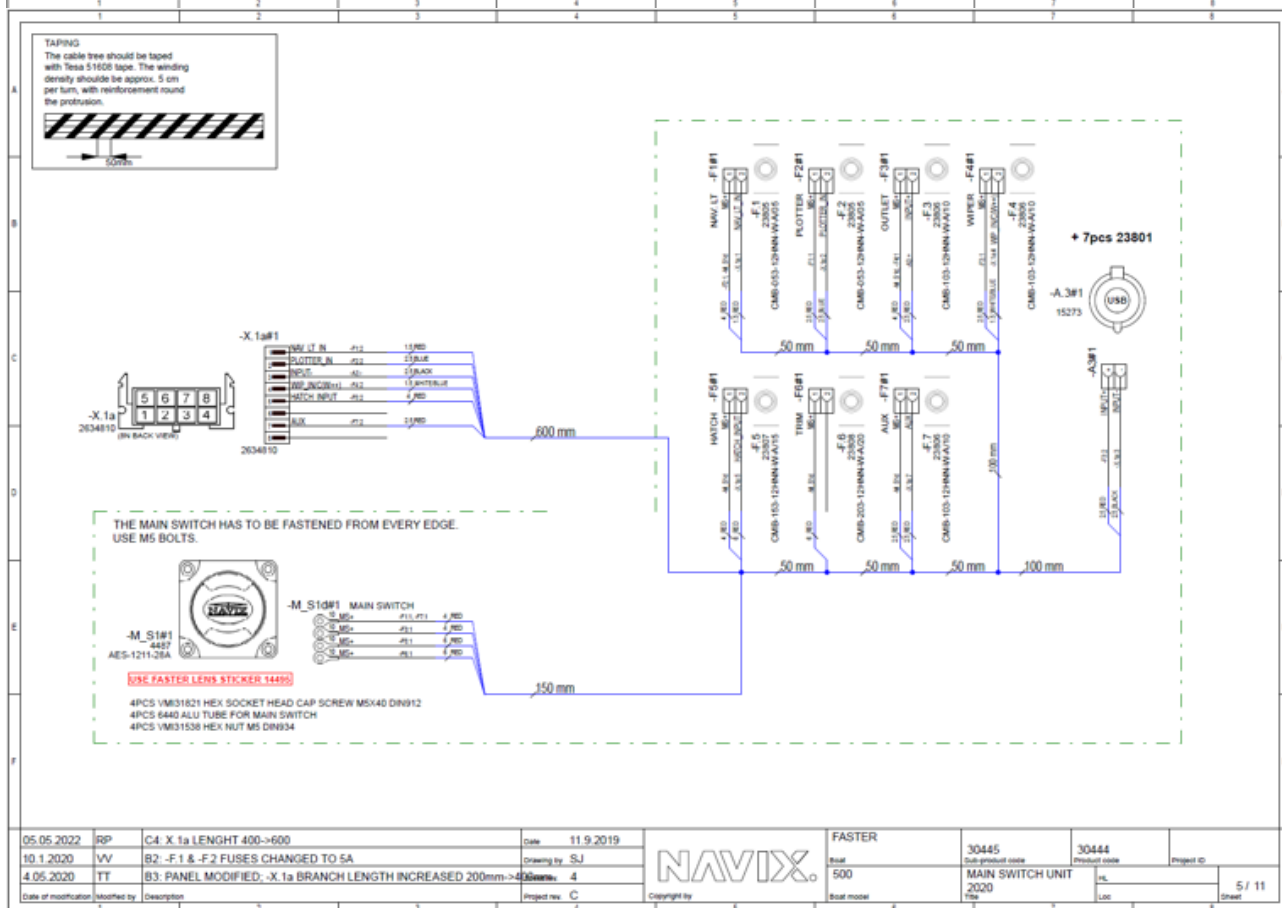
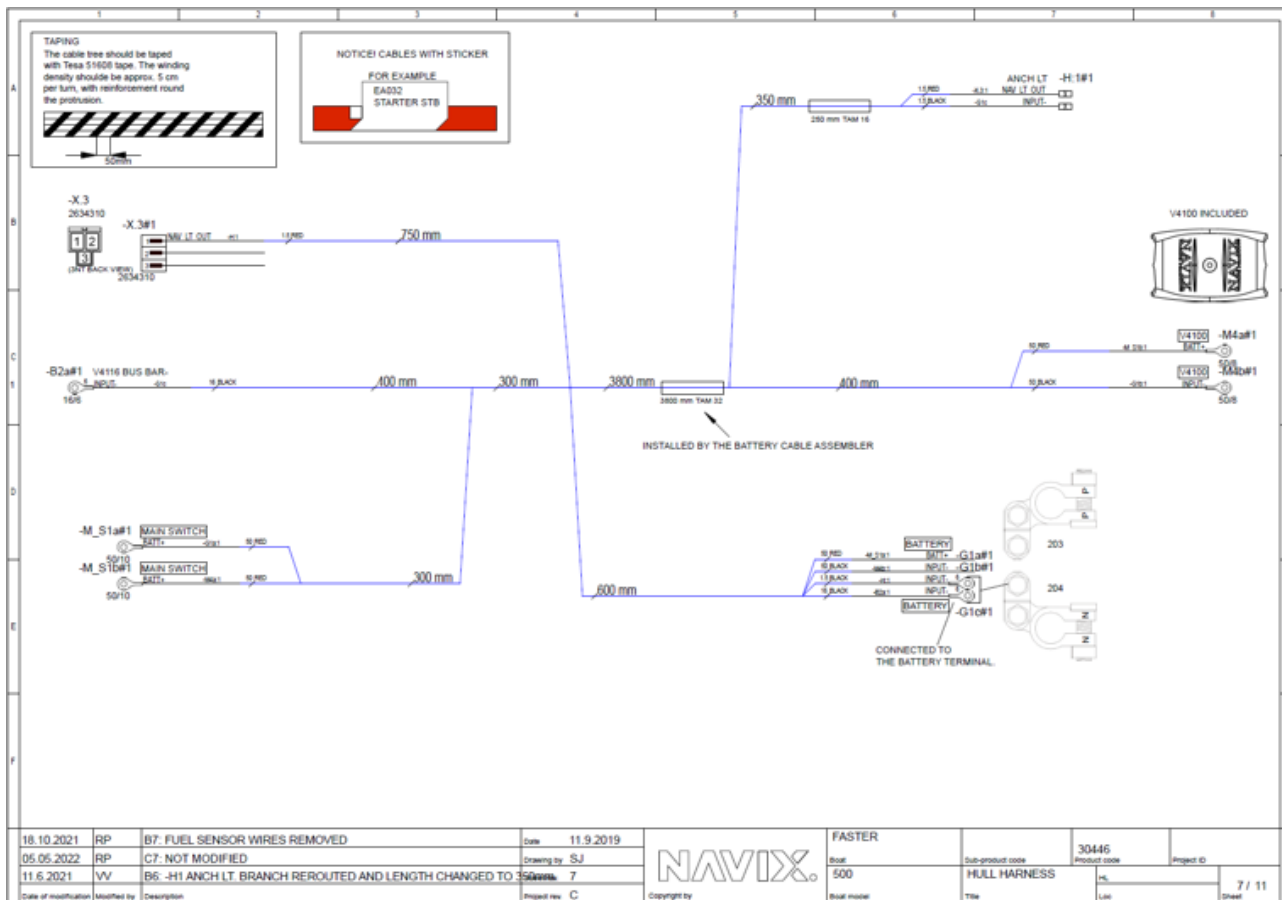


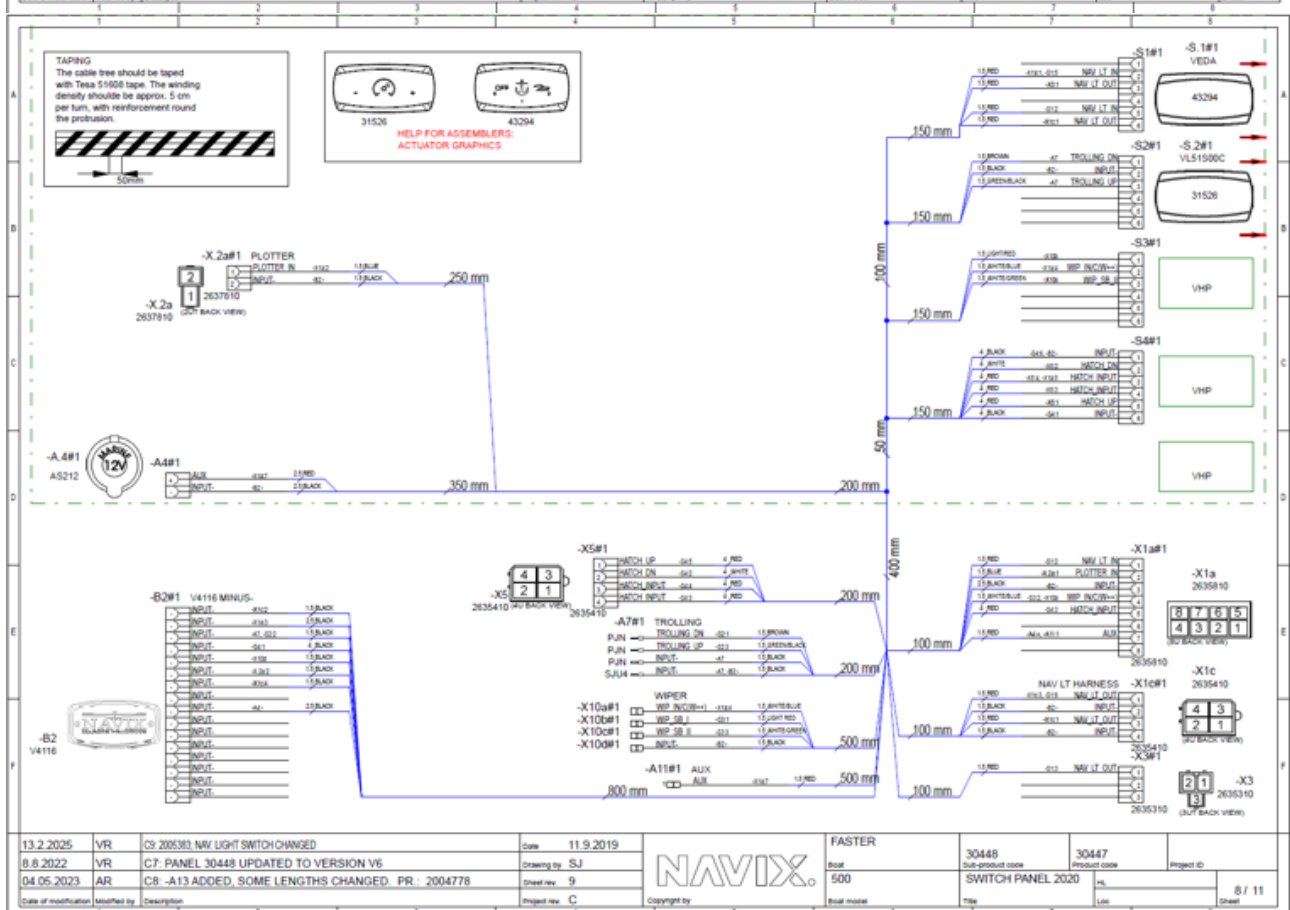
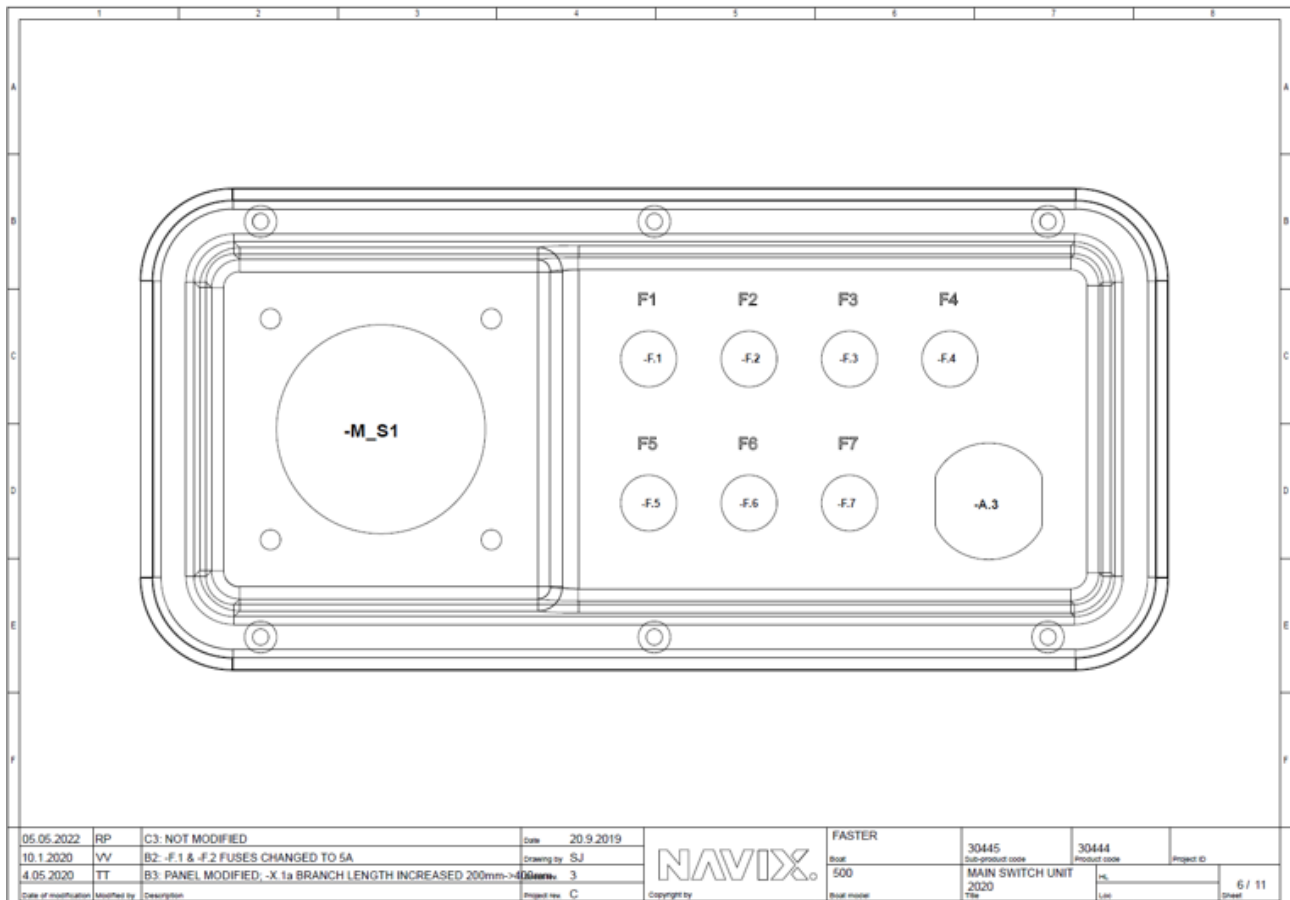


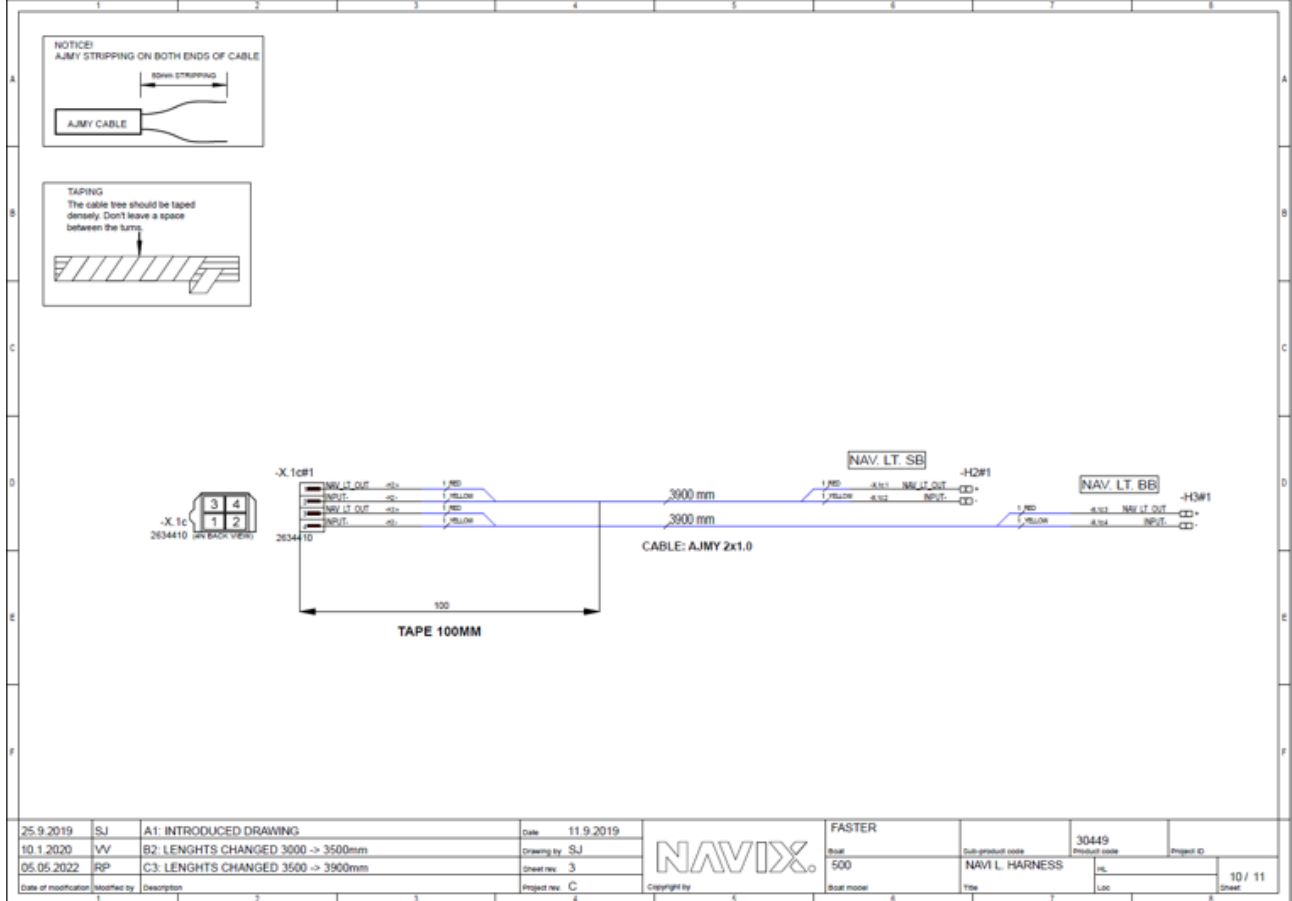
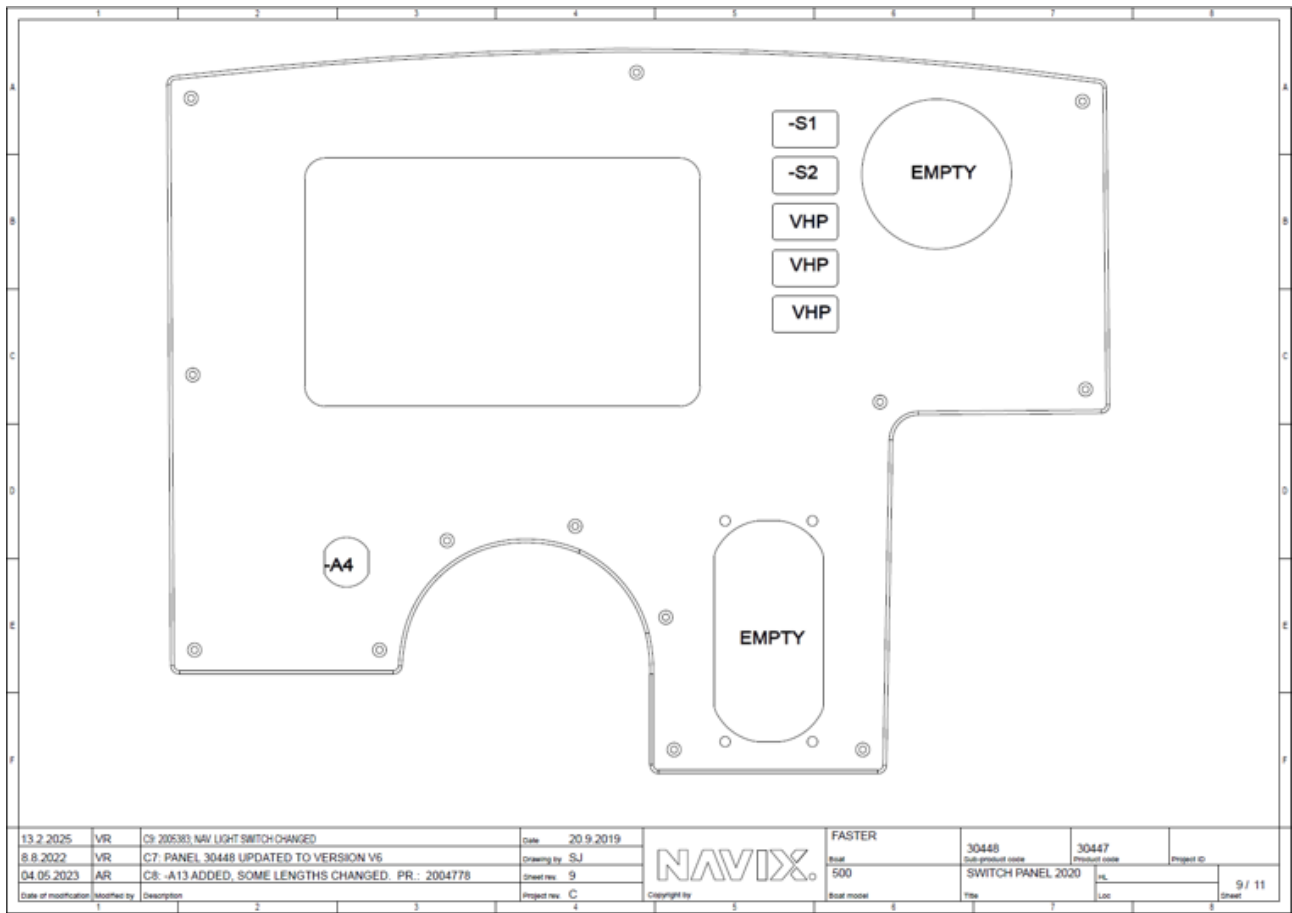
# Sähkökaavio / Elkrestdiagram / Electrical diagram 570



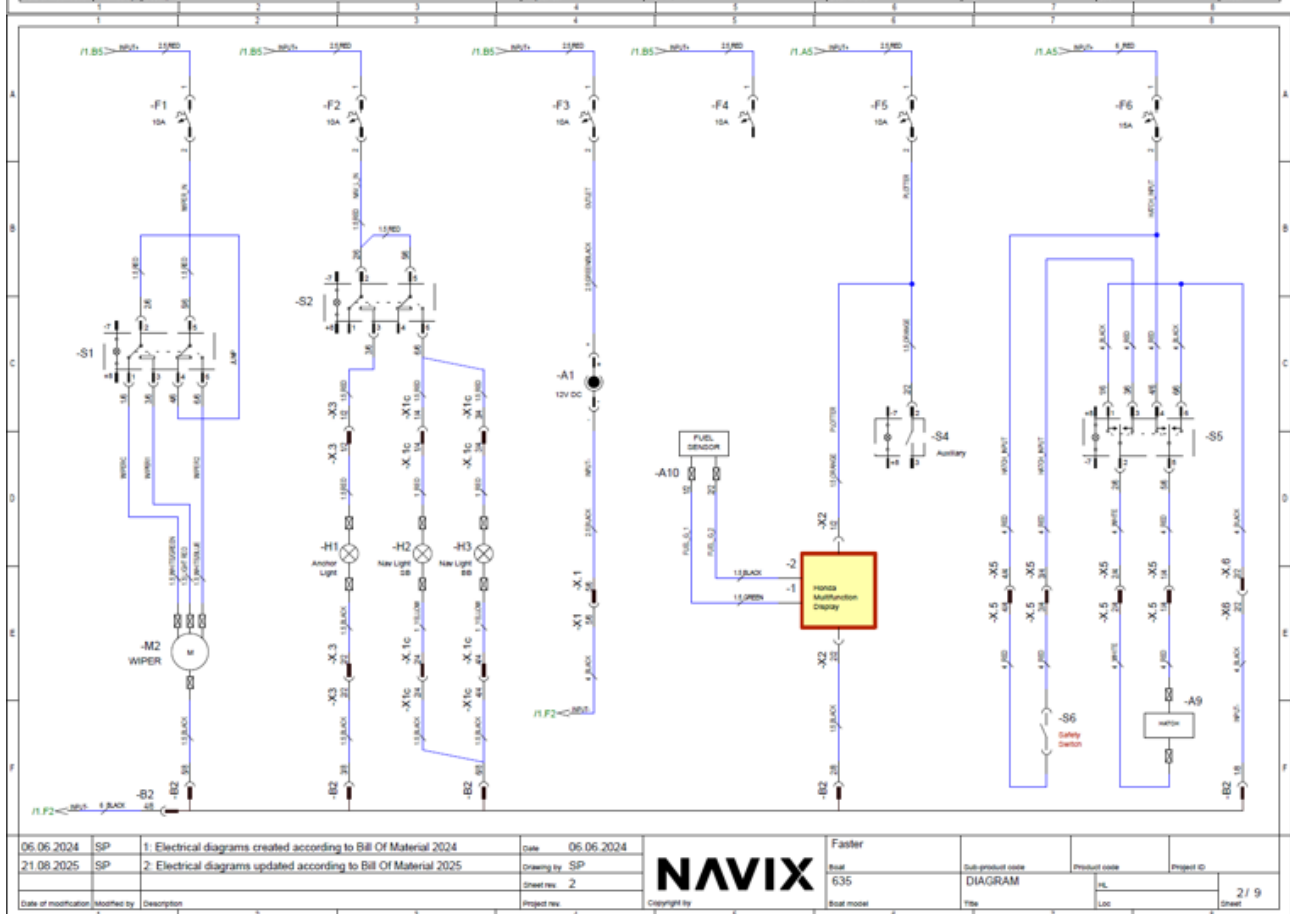
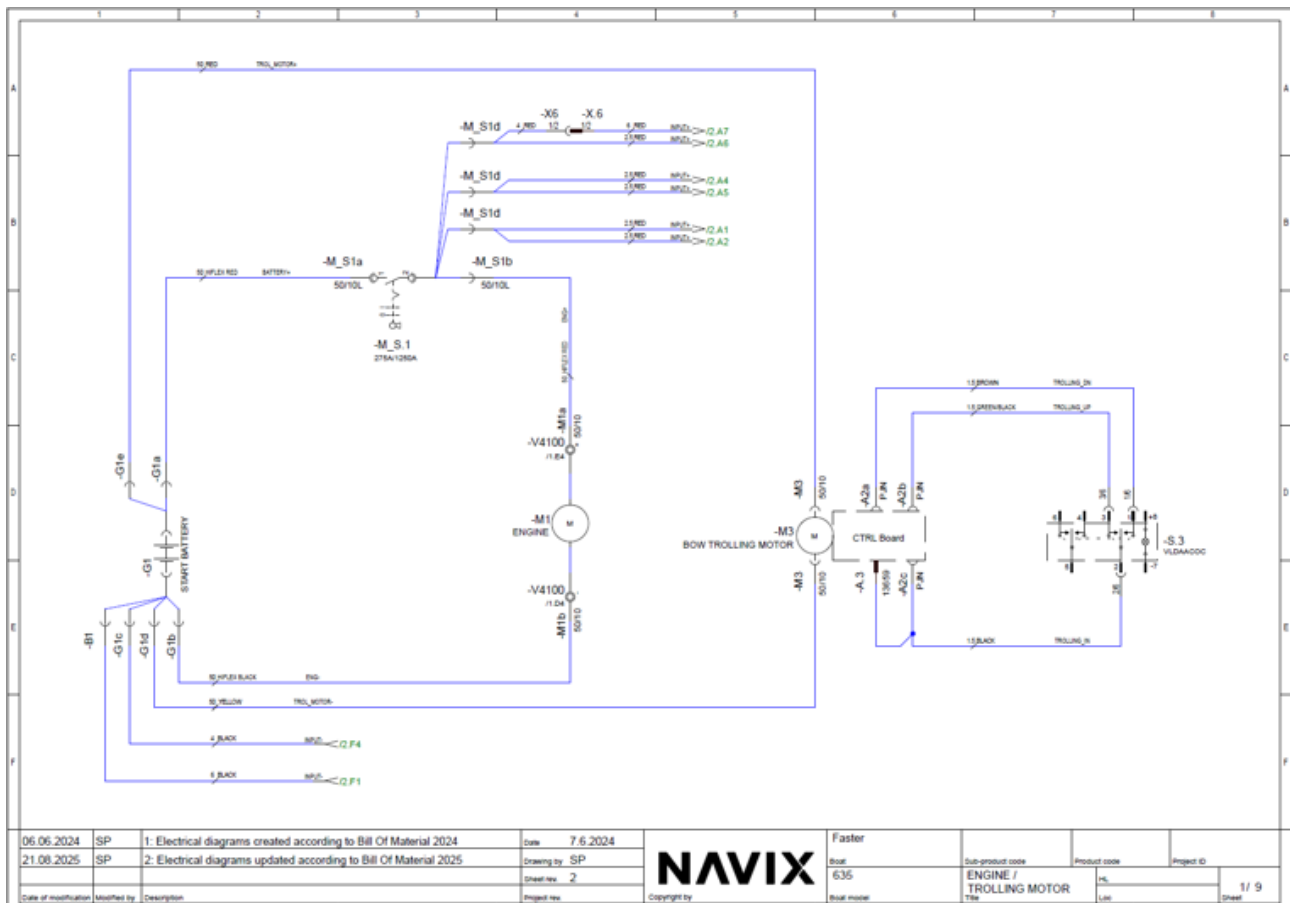


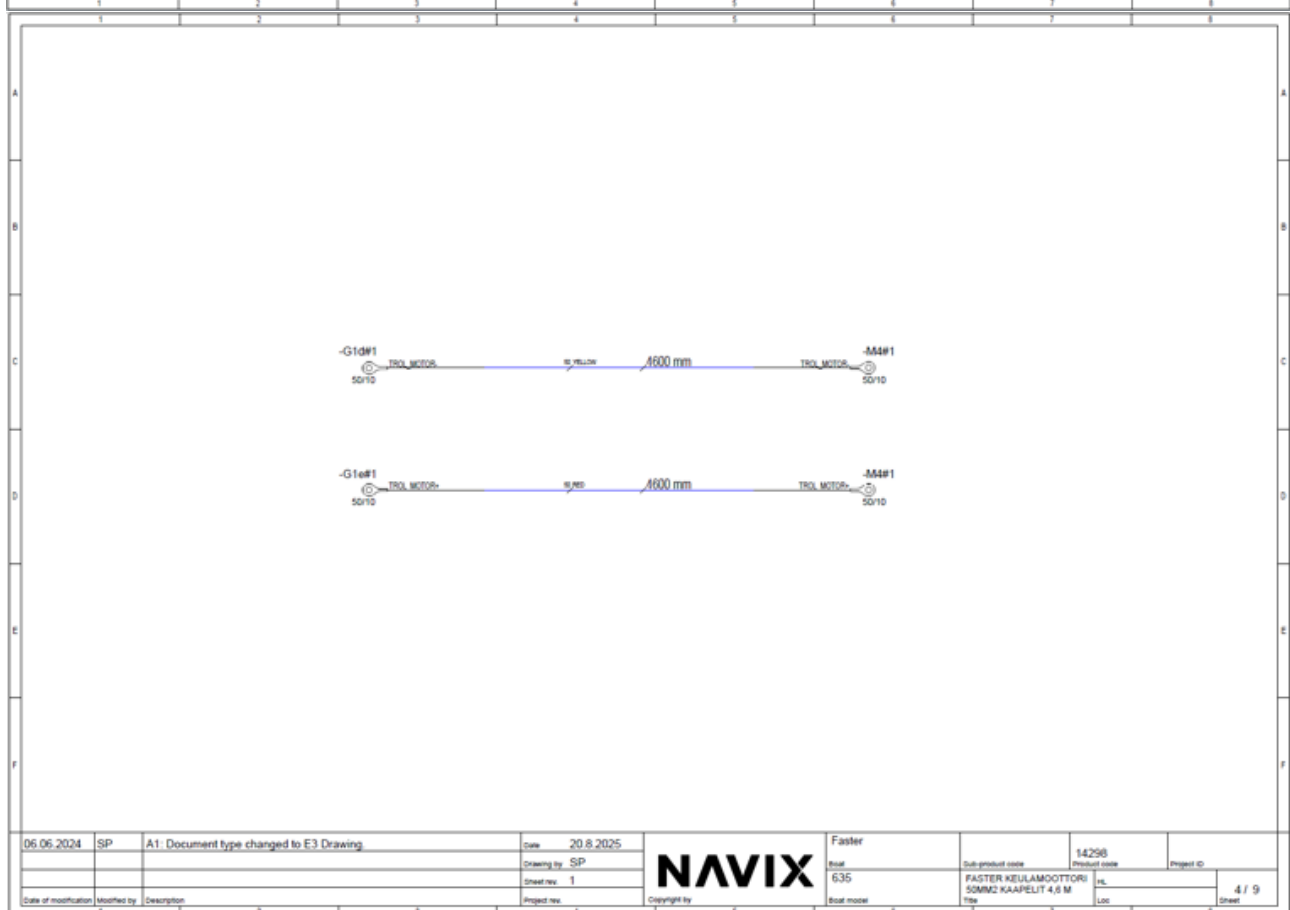
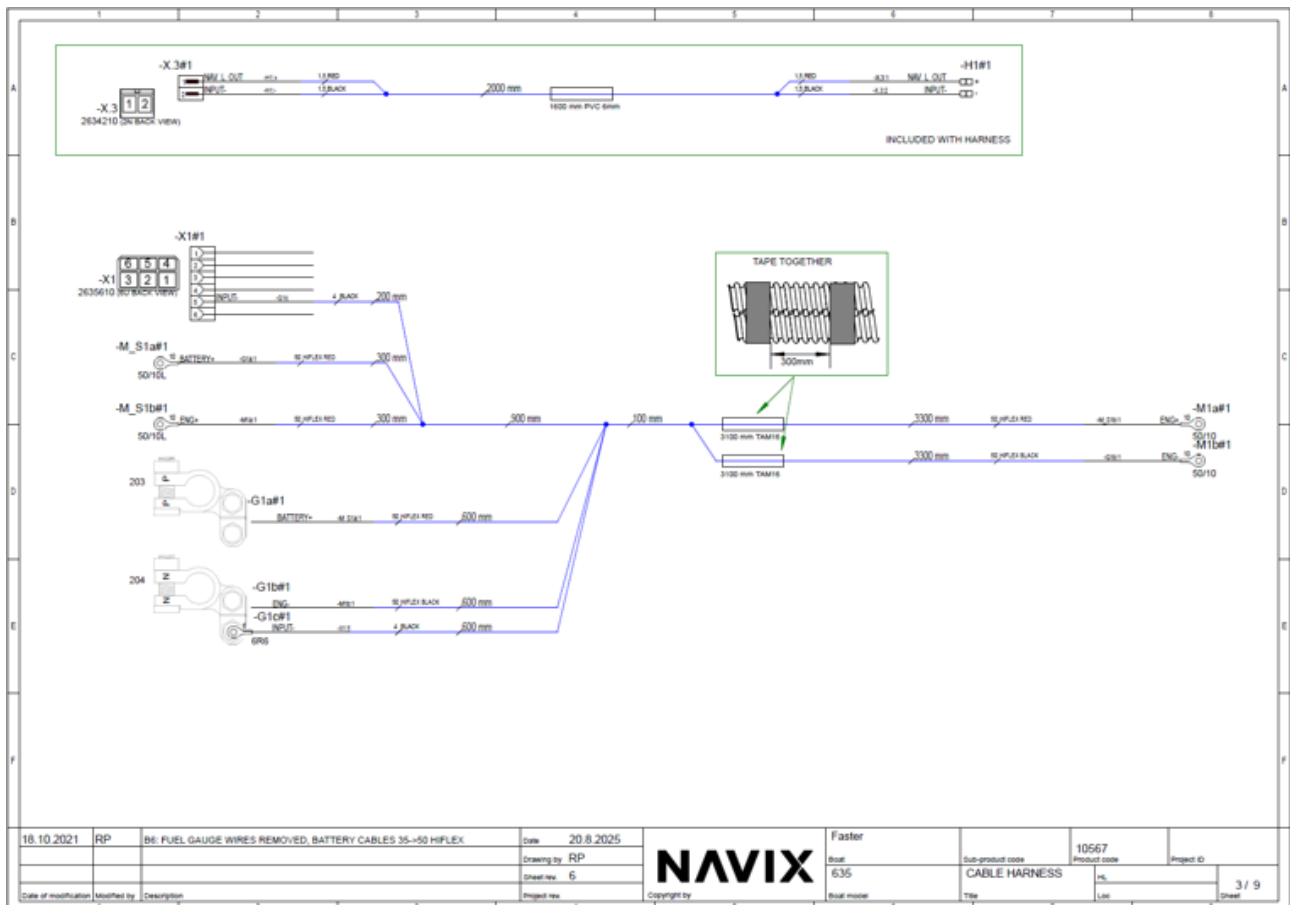


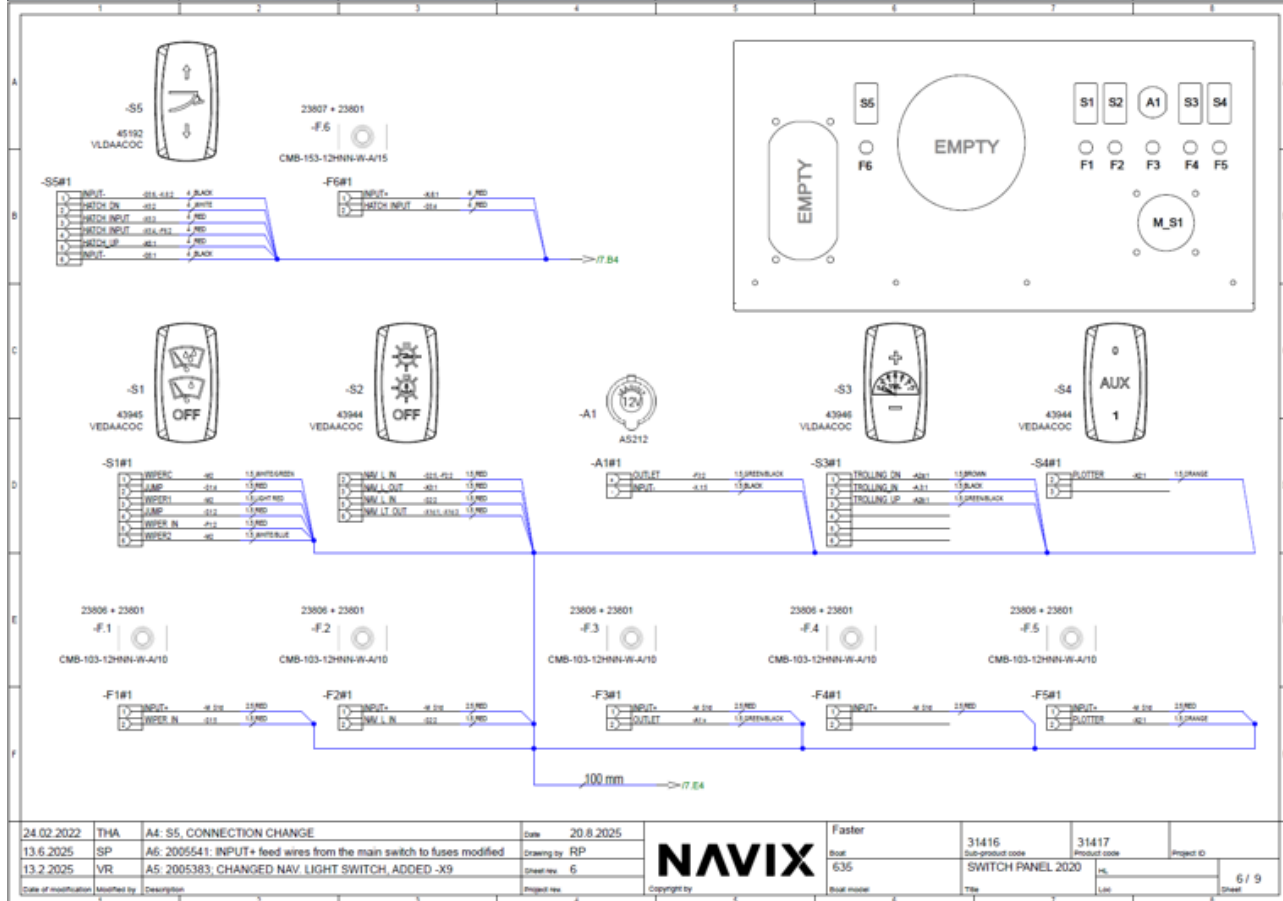
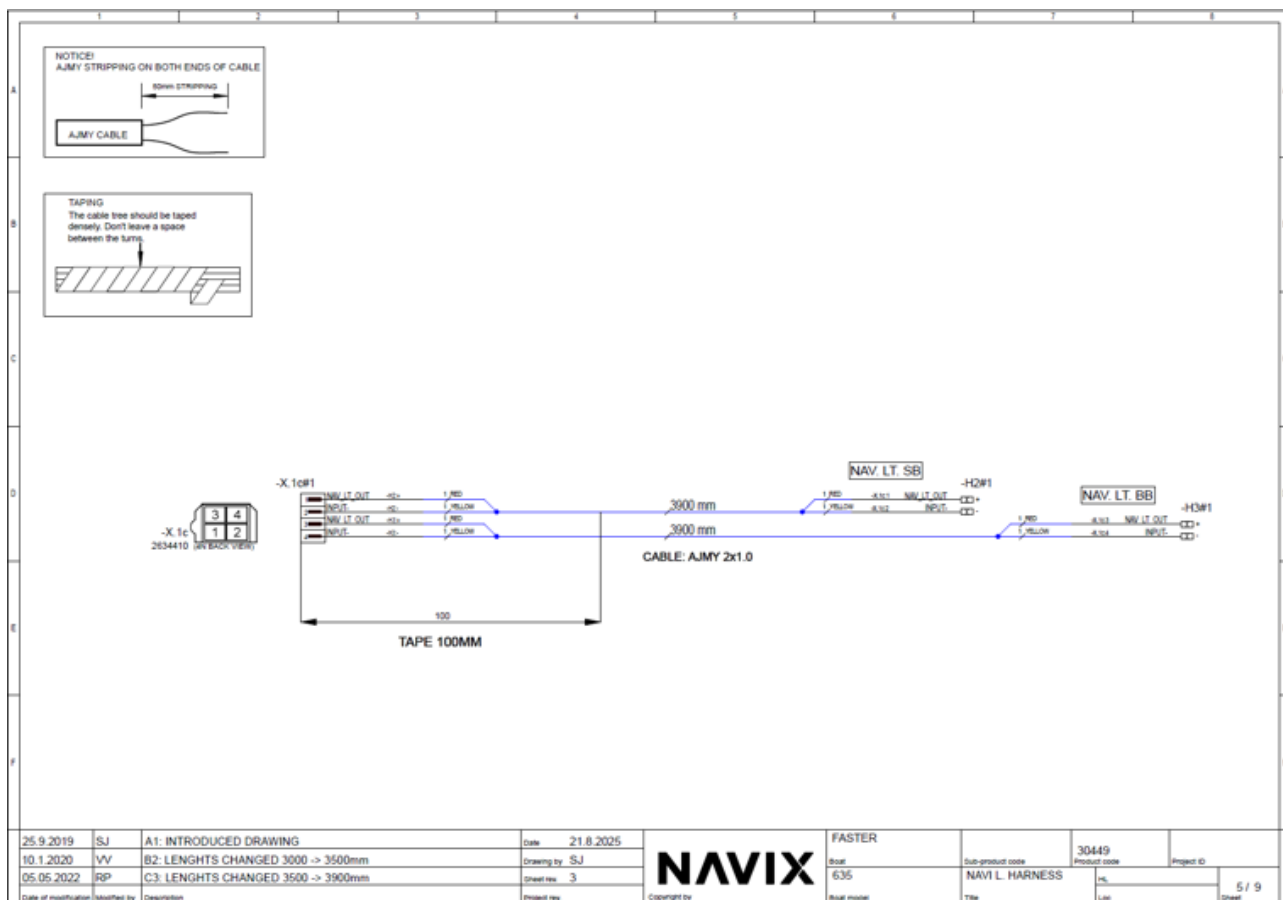


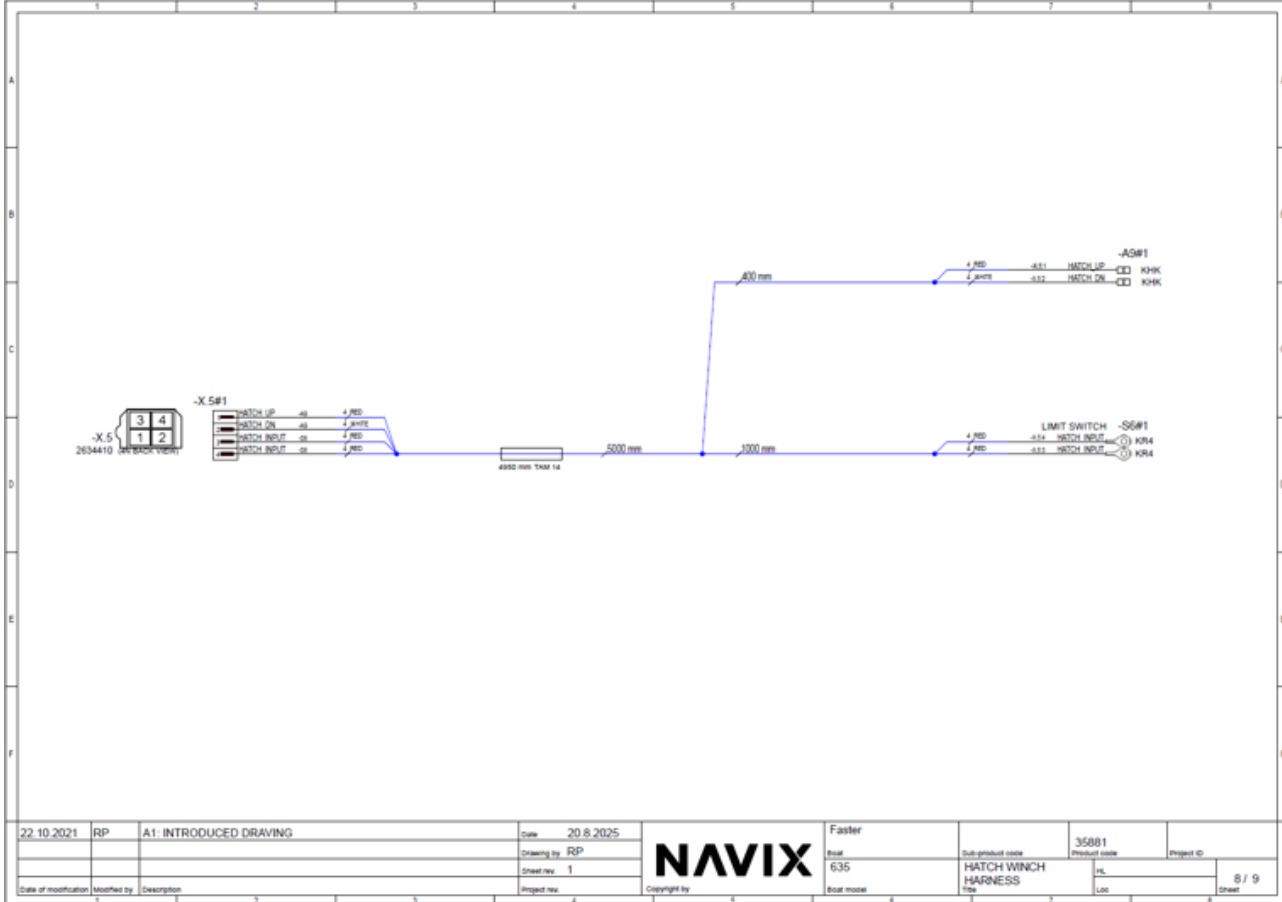
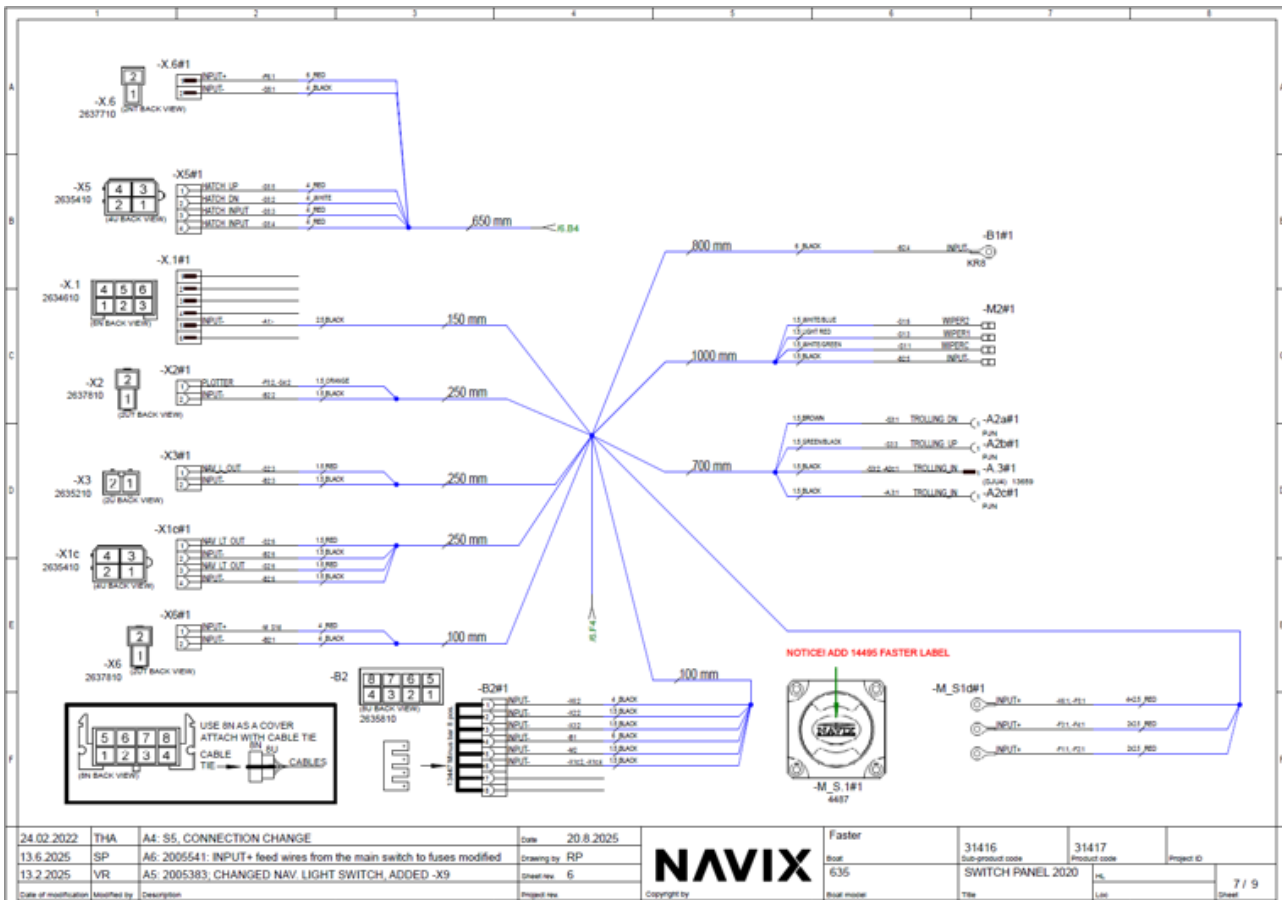


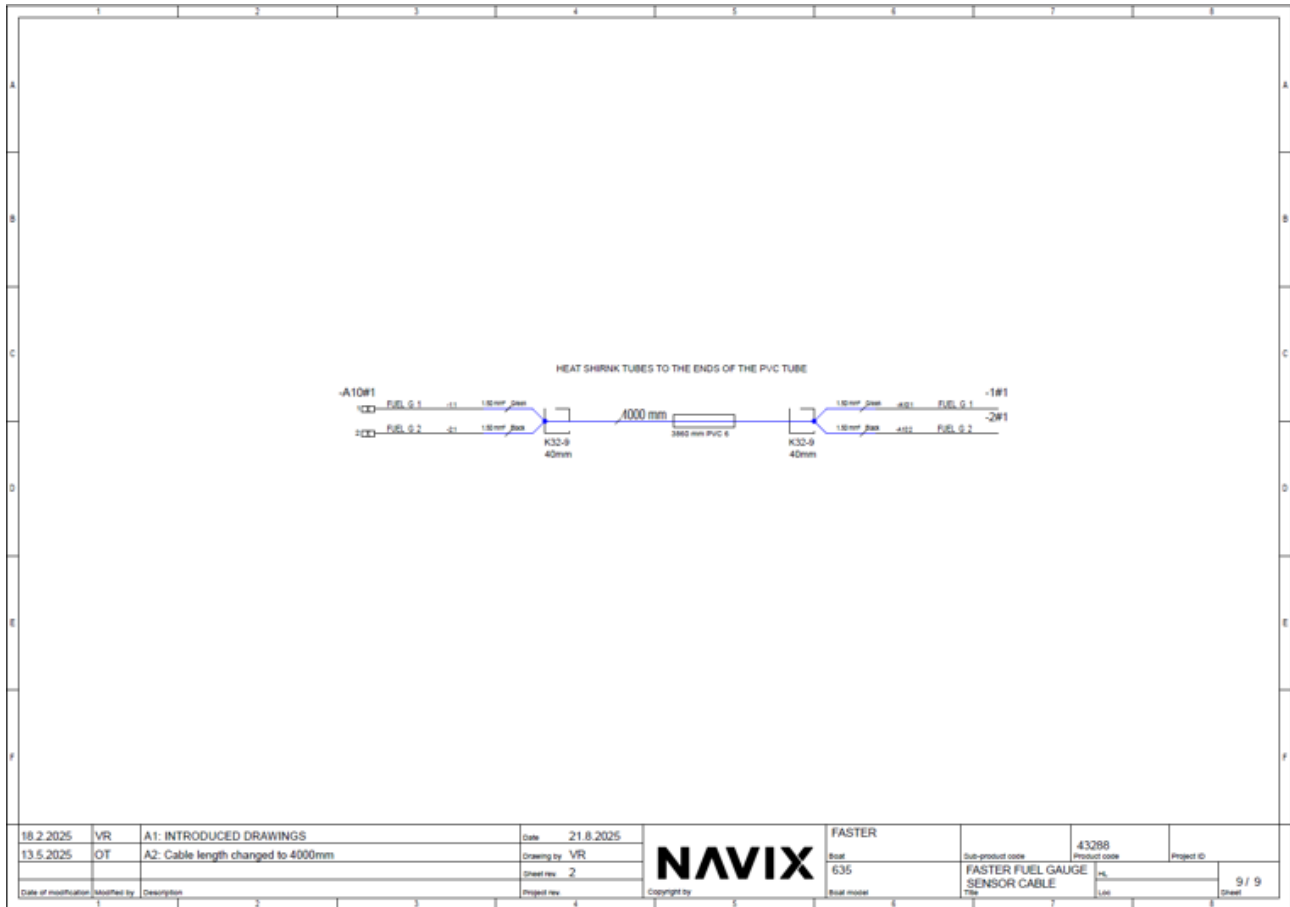
# Sähkökaavio / Elkrestdiagram / Electrical diagram 635











# Vaatomusten mukaisuusvakuutus Försäkran om överensstämmelse Declaration of Conformity

2013/53/EU

Valmistaja / Tillverkare / Builder: Juha Snell Oy, PL 14 04501 Kellokoski, Finland

| Venemalli / Tarkastustodistus       | Ilmoitettulaitos | CE-kategoria | Käytetty moduuli |
|-------------------------------------|------------------|--------------|------------------|
| Båtmodell / Kontrollintyg           | Anmäld instans   | CE-kategori  | Använd modul     |
| Boat model / Inspection certificate | Notified body    | CE category  | Module used      |
| 465 / EUFI29-24002741-C1            | 0809             | C            | B+C              |
| 495 / EUFI29-24001260-C2-FI         | 0809             | C            | B+C              |
| 525 / EUFI29-24001260-C3-FI         | 0809             | C            | B+C              |
| 545 / HPiVS-iP1089-T017-I-02-02     | 2810             | C            | B+C              |
| 570 / EUFI29-24001260-C4-FI         | 0809             | C            | B+C              |
| 635 / HPiVS-iR1089-008-I-02         | 2810             | C            | B+C              |

Ilmoitettu laitos / Anmälda organ / Notified body

**Eurofins Expert services Oy nro 0809**

Kivimiehentie 4

02150 Espoo, Finland

**HPi Verifications Services Ltd nro 2810**

Clonross, Dunshaughlin, Co. Meath

A85 XN59, Ireland

Vakuutan, että yllä mainitut huviveneet täyttävät kaikki soveltuvat olennaiset turvallisuusvaatimukset alla oleva erittelyn ja EU-tyyppitarkastus-todistuksen mukaisesti.

Jag försäkrar att ovannämnda fritidsbåtar uppfyller alla tillämpliga grundläggande säkerhetskrav enligt nedanstående specifikation och EU-typintyg.

I certify that the above-mentioned recreational boats meet all applicable essential safety requirements in accordance with the specification below and the EU type-examination certificate.

## Olennaiset vaatimukset

Väsentliga krav

Essential requirements

Perustiedot / Allmänna / Principal data

Rungon merkintä / Skroidentitetsbetekning Hull identifications

Valmistajan kilpi / Tillverkarskylt / Builder's plate

Omistajan käsikirja / Ägarhandboken / Owners manual

Laidan yli putoamisen ehkäiseminen / Skydd mot att falla över bord / Protection from falling overboard

Ankkurointi, kiinnittäminen ja hinaaminen / Ankring, fötjning och bogsering / Anchoring, mooring and towing

Kulkuvalot / Navigationljus / Navigation lights

Polttoainejärjestelmä / Bränslesystem / Fuel system

Sähköjärjestelmä / Elektriska system / Electrical system

Ohjausjärjestelmä / Styrsystem / Steering system

Palonturvallisuus / Brandskydd / Fire protection

Rakenne / Struktur / Structure

Vakavuus ja varalaita / Stabilitet och fribord / Stability and buoyancy

Kanto- ja kelluntakyky / Condition and mass

Valmistajan suositus suurimmaksi kuormaksi / Tillverkarens rekommenderade max. last /

Manufacturer's max. recommended load

Rungon, kannen ja kansirakenteen aukot

Vedellä täyttyminen / Inträngande vatten / flooding

Ohjailuominaisuudet / Monaveregenskaper / Handling characteristics

Näkyvyys pääasiallisesta ohjauspaikasta / Sikt från huvudstyrplatsen / Visibility from the main steering position

\*Sovellettu / \*Tillämpad / \*Applied

\*\*Sovellettu / \*\*Tillämpad / \*\*Applied

HIN-koodi / HIN-kod / HIN code

**F I - F S R**

## Sovellettu tarkastusmetodi

Tillämpad undersökningsmetod

Applied control method

EN ISO 8666:2020/A11:2021

EN ISO 10087:2022

EN ISO 14945:2021

EN ISO 10240: 2020

EN ISO 15085:2003+A2:2018

EN ISO 15084:2018

1972 COLREG

EN ISO 10088:2023 / EN ISO 11105:2020

EN ISO 10133:2017

EN ISO 10592:2022

EN ISO 9094:2017

EN ISO 12215-5:2019 / EN ISO 12215-6:2018

EN ISO 12217-3:2022\* / EN ISO 12217-1:2017\*\*

EN ISO 12217-3:2022\* / EN ISO 12217-1:2017\*\*

EN ISO 14946:2021

EN ISO 9093:2021

EN ISO 15083:2020

EN ISO 11592-1: 2016, EN ISO 8665:2017

EN ISO 11591: 2020

465, 495, 525, 545, 570

635

Kellokoski 21.8.2024

**Juha Snell Oy**

  
Jani Snell, Managing director