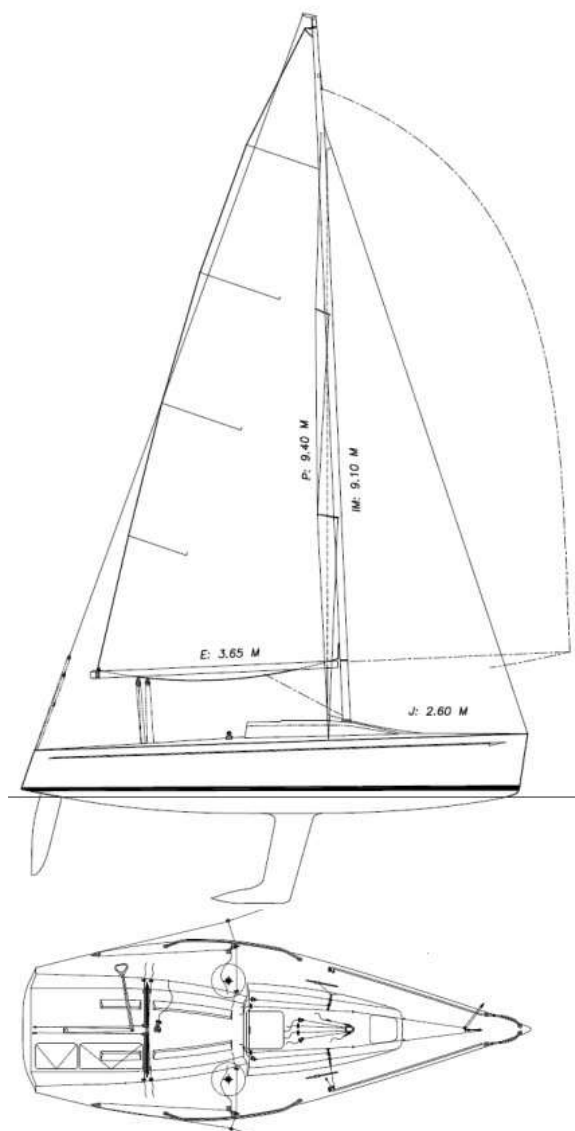




# Enigma Boat Binder

2024



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## 1 QUICK REFERENCE BOAT INFO

|                  |                   |                                   |         |
|------------------|-------------------|-----------------------------------|---------|
| <b>BOAT INFO</b> | BOAT NAME         | Enigma                            |         |
|                  | Year              | 1997                              |         |
|                  | Model             | Beneteau Platu 25                 |         |
|                  | Hull #            | BEY17056L97                       |         |
|                  | Licence #         | ON8651292                         |         |
|                  | Length            | 24.7'                             | 7.53m   |
|                  | Beam              | 8.6'                              | 2.62m   |
|                  | Water Draft       | 5.17'                             | 1.58m   |
|                  | Air Draft         |                                   |         |
|                  | Displaced Tonnage | 2,687lbs                          | 1,219kg |
|                  | Vessel Loading    | Cat C max load 6 persons or 620kg |         |

|              |               |                      |
|--------------|---------------|----------------------|
| <b>TANKS</b> | Water         | NONE                 |
|              | Gasoline Fuel | 20litre portable can |
|              | Waste         |                      |

|               |                |  |
|---------------|----------------|--|
| <b>RACING</b> | PHRF LO Rating |  |
|               | PHRF LO Cert # |  |
|               | Bottom Paint   |  |

|              |                           |       |
|--------------|---------------------------|-------|
| <b>COMMS</b> | Comfort Ratio             | 10.31 |
|              | Capsize Screening Formula | 2.48  |
|              | MMSI #                    |       |
|              | Call Sign                 |       |



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## 2 DAILY BOAT CHECK – FLOAT PLAN AND CHECKLIST

Every time a Skipper takes a boat out for a sail, they are to complete the Daily Boat Check Float Plan and Checklist. The items on the list are to be checked prior to heading out and also upon return to make sure that the boat is ready for the next group.

If anything is missing from the list it is up to the Skipper to decide if the boat is sufficiently prepared to head out. Deficiencies in the list are to be noted in the deficiencies log and noted with the boat captain by email immediately. This is the only way they can be rectified, and safety of the vessels maintained.



### 3 STEPS TO GO SAILING

Please follow this procedure before you cast off. If there are any deficiencies, please note it in the deficiencies log book and report it to the boat captain, immediately.

#### Steps to Get Ready to Sail – Enigma

| Checklist Items |                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.              | Open up boat and stow companionway boards in the port locker                                                                                       |
| 2.              | Confirm boat was charging via shore power                                                                                                          |
| 3.              | Turn the AC panel at the boat off, labelled <i>AC Power On</i> , found in the top right corner of the panel                                        |
| 4.              | Disconnect shore power and either stow onboard or on the dock.                                                                                     |
| 5.              | Check for water in bilge. Vacuum out any water in the bilge if it is too low for the pump                                                          |
| 6.              | Turn on DC power and set to Battery S for diesel start. Battery H is for House. For all the steps, see the electrical section                      |
| 7.              | Confirm Bilge Pump set to AUTO, labelled <i>Bilge Pump Auto</i> on the far left side next to the DC panel.                                         |
| 8.              | Complete <b>Daily Boat Check – Float Plan</b> document                                                                                             |
| 9.              | If taking Delphinus overnight, file an ABYC Sail Plan<br><a href="https://abyc.ca/docks/abyc-sail-plan/">https://abyc.ca/docks/abyc-sail-plan/</a> |
| 10.             | Store sail cover down below                                                                                                                        |
| 11.             | Check there is oil in the engine between the marks on the dipstick                                                                                 |
| 12.             | Check the engine overall for anything that looks out of place                                                                                      |
| 13.             | Check the sea strainer for weeds/clogging                                                                                                          |
| 14.             | Ensure that the water intake is always open                                                                                                        |
| 15.             | Check you have enough diesel for your trip                                                                                                         |
| 16.             | Prepare halyard and sheets                                                                                                                         |
| 17.             | Start diesel engine. see Startup Procedures                                                                                                        |
| 18.             | Check for water circulating and pumping out the side of the boat.                                                                                  |
| 19.             | Cast off                                                                                                                                           |
| 20.             | Once engine is off, switch DC power to <b>Battery H</b> (to avoid draining Battery S for engine start)                                             |
| 21.             | Remove fenders                                                                                                                                     |
| 22.             | Store all lines and fenders in the boat.                                                                                                           |
| 23.             | Enjoy your sail                                                                                                                                    |



## 4 SNUGGING DOWN AFTER SAILING

Please complete the following steps before you leave the boat to ensure that the next person can also enjoy their time onboard. If there are any deficiencies, please make sure to note it in the deficiencies log book and tell the boat captain immediately.

|    |                                                                                                              |
|----|--------------------------------------------------------------------------------------------------------------|
| 1. | Prior to docking, if you have used the head, complete a pumpout either with the gas dock or the honey wagon. |
| 2. | Plug the boat in and confirm it is charging via shore power. Follow the steps in the Boat Binder.            |
| 3. | Check for water in bilge and vacuum out. Note in checklist how much water and let the boat captain know      |
| 4. | For outboard motors, raise the motor following the procedures in the motor section of the Boat Binder.       |
| 5. | Confirm Bilge Pump set to AUTO for Destinee and Delphinus                                                    |
| 6. | Complete Daily Boat Check – Float Plan document back side of the page.                                       |
| 7. | Have a quick visual of the engine to ensure nothing looks out of place.                                      |
| 8. | Close up the companionway                                                                                    |



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## 5 NOTMAR(S)



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## 6 LIST OF LIGHTS BUOYS AND FOG SIGNALS



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## 7 VESSEL LICENCE(S)



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## 8 INCIDENT REPORT



## 9 STABILITY REPORT

Enigma is a Category C boat

Max loading 6 and 620kg





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## 10 CONTINGENCY PLAN



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## 11 SAFETY EQUIPMENT AND COMPLIANCES

Enigma is a Pleasure Craft Licensed vessel berthed at ABYC which is in the Toronto Harbour. As such, she is required to be compliant with the Transport Canada Pleasure Craft regulations. Please see the following for the list of required compliances.

- Canada Shipping Act
- Competency of Operators of Pleasure Craft Regulations
- Small Vessel Regulations
- Charts and Nautical Publications Regs
- Ship Station Regulations
- Vessel Pollution and Dangerous Chemicals Regulations (Environmental Protection Act Reg 343)
- Vessel Operation Restriction Regulations
- Toronto Harbour Regulations

While Enigma is operating as a Coop vessel, you are the operator of this vessel. As such, it is your responsibility to ensure compliance with all of the required regulations. If a vessel is inspected by local authorities and found to be deficient, you as the operator are held accountable. Please make sure you give the boat a full Boat Check before heading out. See Daily Boat Check attached on the following page, along with Through Hull diagrams and Safety Equipment diagrams.

While Enigma is operating as a sailing school vessel, she shall be maintained in compliance with all of the required regulations above and the Recreational Boating School TP15136.



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## 12 THROUGH HULLS

See diagram on bulkhead adjacent to safety equipment list for through hull locations. All through hull valves should be exercised before heading out.



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## 13 SAFETY EQUIPMENT CHART



## 14 STANDING RIGGING

### 14.1 Specs

Standing rigging is 1x19 316 stranded wire.

1 – Mast

1 – boom

1 – spinnaker pole

1 - Carbon bowsprit with Dyneema bobstay installed 2024

Enigma's standing rigging was replaced in 2024



## 15 RUNNING RIGGING

The running rigging includes the following:

| RIGGING           | SPECS                           | LENGTH | REPLACED |
|-------------------|---------------------------------|--------|----------|
| Jib Sheets        |                                 |        |          |
| Jib Halyard stbd  |                                 |        |          |
| Port jib halyard  |                                 |        |          |
| Main Sheet        |                                 |        |          |
| Main Halyard      |                                 |        |          |
| Spinnaker halyard |                                 |        |          |
| Topping Lift      |                                 |        |          |
| Downhaul          |                                 |        |          |
| Spinnaker Sheets  | Dyneema core,<br>stripped cover |        |          |
| Backstay          |                                 |        |          |
| Traveller         |                                 |        |          |
| Vang              |                                 |        |          |
| Bobstay           | 1/4" dyneema                    |        |          |



---

## 16 DECK GEAR

Enigma has complex racing gear. She can carry either Asymmetric spinnakers or Symmetric spinnakers. Her jib has a jib cunningham.

In 2024 she was fitted with a carbon bow sprit.

Jib sheets should be cross sheeted.

Backstay requires a flicker to clear the mainsail.

### 16.1 Harken Deck Layout (Farr 25)

attached



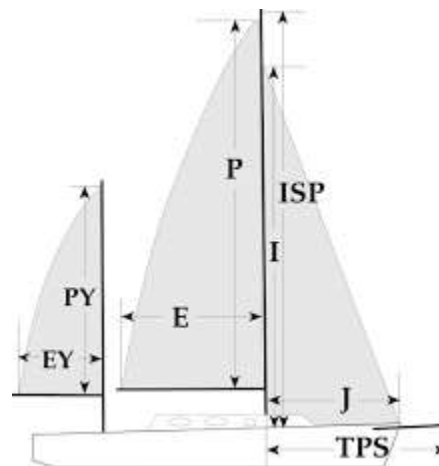
## 17 SAILS

### 17.1 Definitions

J1= genoa

J2 = smaller genoa

Measurements are pin to pin and have been stretched loosely by hand to take measurements



| SAIL | LABEL          | SAIL # | MANUFACTURER | DESCRIPTORS                         | FOOT | LUFF | LEECH |
|------|----------------|--------|--------------|-------------------------------------|------|------|-------|
| J1   | Weekend racing |        | Doyle        | Kevlar string<br>Blue speed stripes | 118" | 115" | 98"   |
| J1   | Club racing    |        |              | Kevlar and carbon string            |      |      |       |
| J1   | Spare          |        |              | Dacron                              |      |      |       |
| Main | Weekend racing |        | Doyle        | Kevlar string                       |      |      |       |
| Main | Club racing    | 2556   | Doyle        | Kevlar and carbon string            |      |      |       |
| Main | spare          | 2556   | Holm         | Dacron<br>2 blue speed stripes      |      |      |       |
| Asym | A5             |        | Quantum      | orange                              |      |      |       |
| Asym | A2             |        | NL Sails     | Black                               |      |      |       |
| Sym  | S4             | 2556   | Quantum      | Blue and white tri radial           |      |      |       |
| Sym  | S2             | 2556   | Doyle        | Blue, very big                      |      |      |       |

### 17.2 Maintenance

Sails are inspected for service after the masts are pulled in the fall and sent to the loft (North) for service as needed, annually. If a sail needs to go to the loft during the season, a replacement sail needs to be bent on so the boat remains in service.



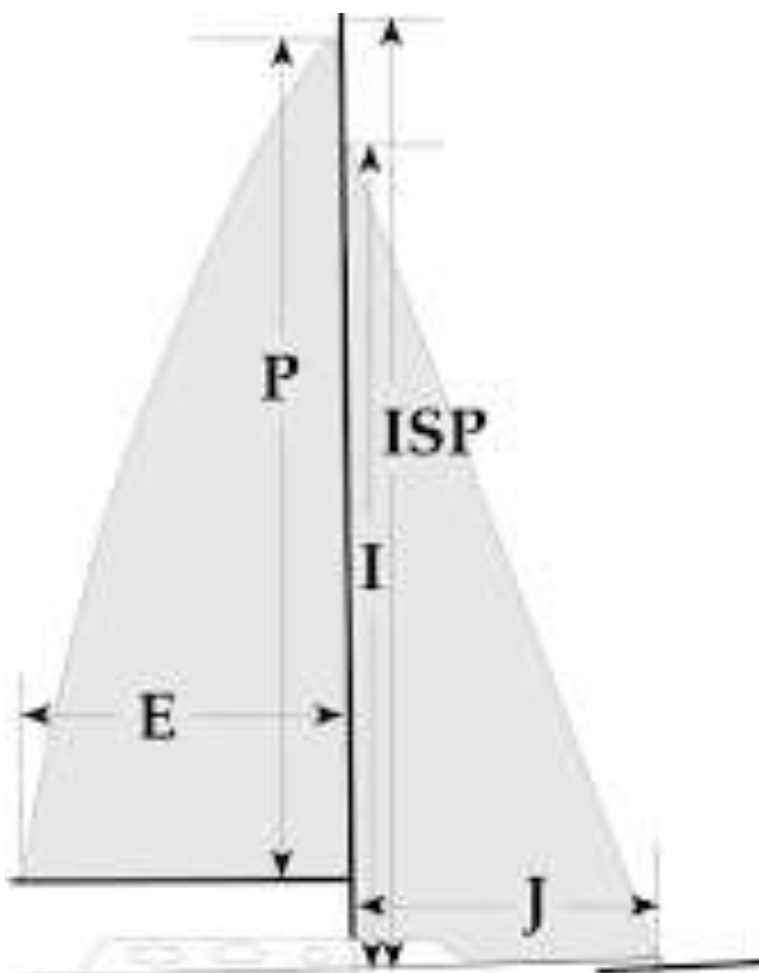


### 17.3 Sail Repair Identification Form

The Sail Repair Identification Form is an easy form to mark up exactly where and what the damage is on the sail, before it goes to the loft for repairs. Please mark the form and take a picture and send it with your email to the Lead Instructor or Boat Captain to forward to Maintenance.

Ashbridge's Bay Yacht Club 30 Ashbridge's Bay Park Road  
c/o Diane Reid 4168782677

Boat Name: \_\_\_\_\_



notes



## 18 ENGINE

### 18.1 Specs

|             |                    |
|-------------|--------------------|
| ENGINE      | Tohatsu 2023       |
| Serial #    | 3Je-035855BB       |
| FUEL        | Gasoline, 4 stroke |
| FUEL FILTER |                    |
| OIL         |                    |
| PROP        |                    |
| IMPELLER    |                    |
|             |                    |
|             |                    |
|             |                    |

### 18.2 Engine Startup Procedures

Engine should be checked every time you start the engine to head out on an adventure.

1.



### 18.3 Engine Stop Procedures

1.

### 18.4 Winterizing

The engine is taken to Klaus marine every winter for a full service and winterizing.

### 18.5 Spare Motor

At times we may need to send the motor for service. When this happens we will put the spare motor in place.

#### Fuel Tank

1. Open the tank vent on the fuel tank. To open the vent you do not unscrew the little tiny screw on the top. You turn the whole cap counterclockwise until it has approximately  $\frac{1}{4}$  turn of sloppiness. The vent holes are the little square holes around the perimeter of the cap.
2. Squeeze the primer ball until you feel the fuel running through the primer ball. If you can't feel it then just squeeze it a bunch of times. You can't overdo this. Watch for fuel





|                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p>spilling at any of the fuel line connection points. If it is leaking, reconnect it. If it is still leaking, take the boat out of service and complete a report.</p>                                                                                                                                                                                                                                 |                                                                                      |
| <p>Choke</p> <p>3. Open the choke if the engine has not already been running in the last 2 hours. If in doubt of when the last time the engine ran, don't open the choke. This is to prevent flooding the carburetor.</p>                                                                                                                                                                              |   |
| <p>Kill switch</p> <p>4. Ensure the kill switch is engaged. The red pull cord (dead man's key) must be fully pushed in and around the red button off switch. In smaller outboards where the operator is sitting closer to the engine, this key is clipped to them in case of falling overboard. The key then gets pulled from the red button off switch and the motor shuts down for the emergency</p> |  |



|                                                                                                                                                                                                                                                                                                             |                                                                                     |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
| <p>5. Turn the throttle to start, lining up the word start with the bump on the collar immediately adjacent to the S in Start.</p>                                                                                                                                                                          |   |  |
| <p>6. Ensure the shifter is in Neutral. To do so, push the shifter away from you in reverse and see if it moves. Then, try pulling the shifter towards you. Try all three positions of reverse, forward and neutral until you are confident that the engine is in neutral. It should not start in gear.</p> |  |  |
| <p>7. Pull the pull cord out 5 or 6 inches until you feel the fly wheel engage. If the cord won't pull out then it is not in neutral.</p>                                                                                                                                                                   |                                                                                     |  |
| <p>8. With a sharp and fast pull, start the motor by pulling on the cord. Do not pull so far on the cord</p>                                                                                                                                                                                                |                                                                                     |  |



|                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <p>that you break it off. When it starts, slowly push the choke in listening to the RPMs. If you think it is going to die, pull the choke back out a few millimeters. If it sounds worse, push the choke all the way in. The choke supplies extra fuel for startup, but that extra fuel is only needed for about 10 seconds. The engine should start within 3 pulls. If it doesn't, go back to the beginning and see what you missed.</p> |                                                                                     |
| <p>9. Check for water circulating</p>                                                                                                                                                                                                                                                                                                                                                                                                     |  |

## 18.6 Winterizing

To winterize the outboard, pull it off with the mast crane and place it in the Junior school. Make sure you find the sticker "this side up". This is a 4 stroke engine and can't be placed down on its side incorrectly. The coop program engines all get winterized at the same time at Klaus Marine. Once winterized, they are stored at All Storage and not on the club property.



### 18.7 Service Schedule

| Service | When |
|---------|------|
|         |      |
|         |      |
|         |      |
|         |      |
|         |      |
|         |      |
|         |      |
|         |      |
|         |      |



## 19 ELECTRICAL

### 19.1 Electrical Components

#### Wiring Colour Code Base of Mast

### 19.2 DC Electrical Startup Procedures

1. Turn master switch

### 19.3 AC Electrical Startup Procedures

There is no AC on Enigma



## 17.4 Electrical Shorepower Charging

1.



---

## 20 ELECTRONICS

10.1 Enigma's electronics are as follows. .

-



## 21 PLUMBING

### 21.1 Fresh Water

There is no fresh water on this boat.

### 21.2 Head

The toilet is presently not installed and will be installed in 2024. It is a portapotty style head with a waste removal line at deck level. The holding tank for the system is self contained within the head itself.

### 21.3 Winterizing

To be filled in

## 22 Trailer

### 22.1 Specs

|                 |                      |
|-----------------|----------------------|
| VIN #           | 1W7B12712V1002572    |
| Make/Model/Year | Wesco, unknown, 1997 |
| # of axle       | 1                    |
| Colour          | galvanized           |
| RIN #           | C0197-61945-20817    |
| Plates          |                      |
| Vehicle Weight  | 00820                |



---

## 23 HAULOUT / LAUNCH PROCEDURES

See Yearly Maintenance Checklist for details of what is to be done

### 23.1 Mast Setup

The mast

### 23.2 Stepping The Mast

1. .



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## 24 ALARMS

There are no hi water alarms on this vessel because there is no enclosed bilge.

There is a smoke detector.



---

## 25 WHAT TO DO IF SOMETHING BREAKS

If something breaks onboard, please manage as best you can to get back to the dock safely. If you can not manage, please seek what you feel is appropriate help while on the water.

Once ashore, please:

1. Inform the boat captain of the problem
2. Make a note in the maintenance log for the next person coming to use the boat.
3. If you think the circumstances are critical and the boat should not go out, please telephone the boat captain directly or receive an email confirmation that they have the information. The boat captain will pass the info along through the online form. There is a sign on the boat that can be hung on the wash board stating "out of service".



# OUT OF SERVICE



## 26 UNDOCKING / DOCKING

These steps assume a minimum of 3 people on the boat. As always, practise makes perfect. Prudence is taken to prevent collisions and to not wrap mooring lines in the propeller.

### Undocking

Prep the crew as follows.

- Plan to motor the stern into the wind if you can.
  - Give yourself as much distance as possible to get the boat moving forward after you have backed out of the slip.
  - If needed, with outboard engines, turn the engine by hand to help facilitate turning.
  - Steer before gear.
  - Tell everyone the plan
1. Place one person at the bow lines
  2. Place one person on the windward stern line who is mobile
  3. Place one person on the engine and the leeward stern line.
  4. Cast off the leeward stern line into the tire or on the adjacent boat as it is not being used
  5. Engine in reverse
  6. Cast off the bow lines
  7. Windward stern line gets walked forward to the shrouds then dropped into the tire or on the boat adjacent.
  8. Continue backing until you have enough room in front of you to go forward and to leeward.



### Docking

Prep the crew as follows:

- Boat hook for the bow and for the windward mooring line
  - One person on the bow lines
  - One person on the windward tire mooring line
  - Ignore the leeward mooring line until last.
1. Approach the mooring, holding the boat close enough to the windward tire that the line can be picked up by the boat hook.
  2. Look at the leeward mooring tire to see where the line is to ensure that you don't have the motor in gear as you run it over.
  3. Have the bow lines person fend off to leeward and then walk to the bow to catch the bow with the handrail on the V dock.
  4. Pick up the leeward stern line
  5. Once the V dock and stern tire lines are in hand, ease the bow lines and pull back on the stern lines



---

## 27 CO-OPERATIVE SAILING PROGRAM



## 28 ADDITIONAL CLASS AND ONE DESIGN RESOURCES

This is a list of the additional resources for the Beneteau Platu. These are all in a separate binder to manage space

1. Beneteau 25 Manual
2. Platu Class Rules
3. North Sails Tuning Guide
4. North Sails Italia Tuning Guide
5. Gin pole
6. General Equipment List



End of Document