



# RACE TRACK OPERATIONS

Name | DD.MM.YYYY

# GATES

Double Gate

Single Gate

Pylons 2

Pylons 1

4 x 1000 KG Flipper Delta

4 x 500 KG Flipper Delta

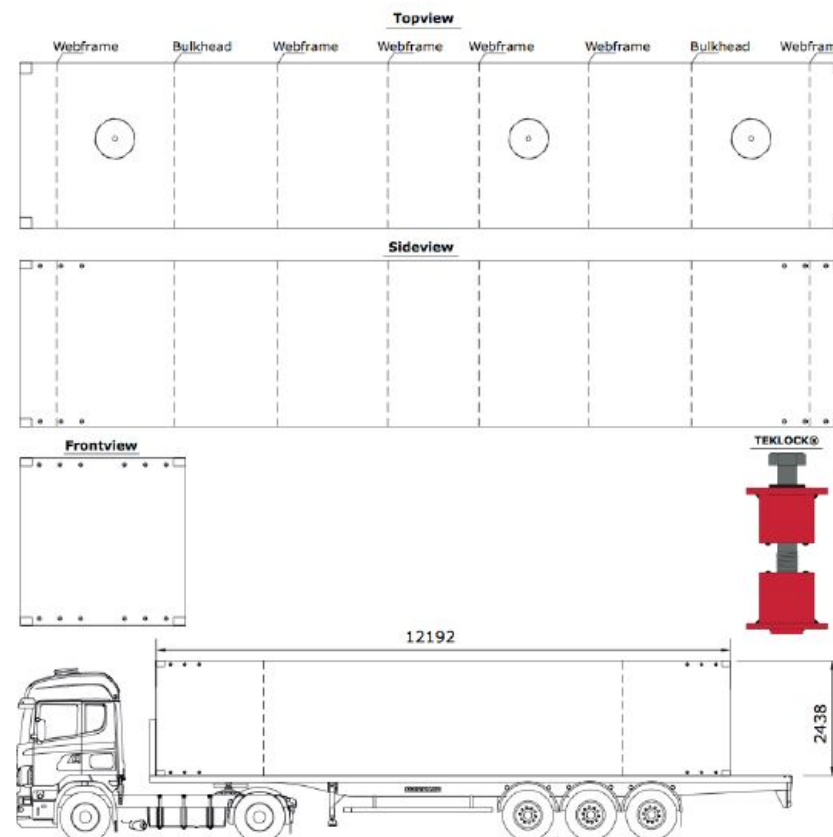


# SINGLE GATES

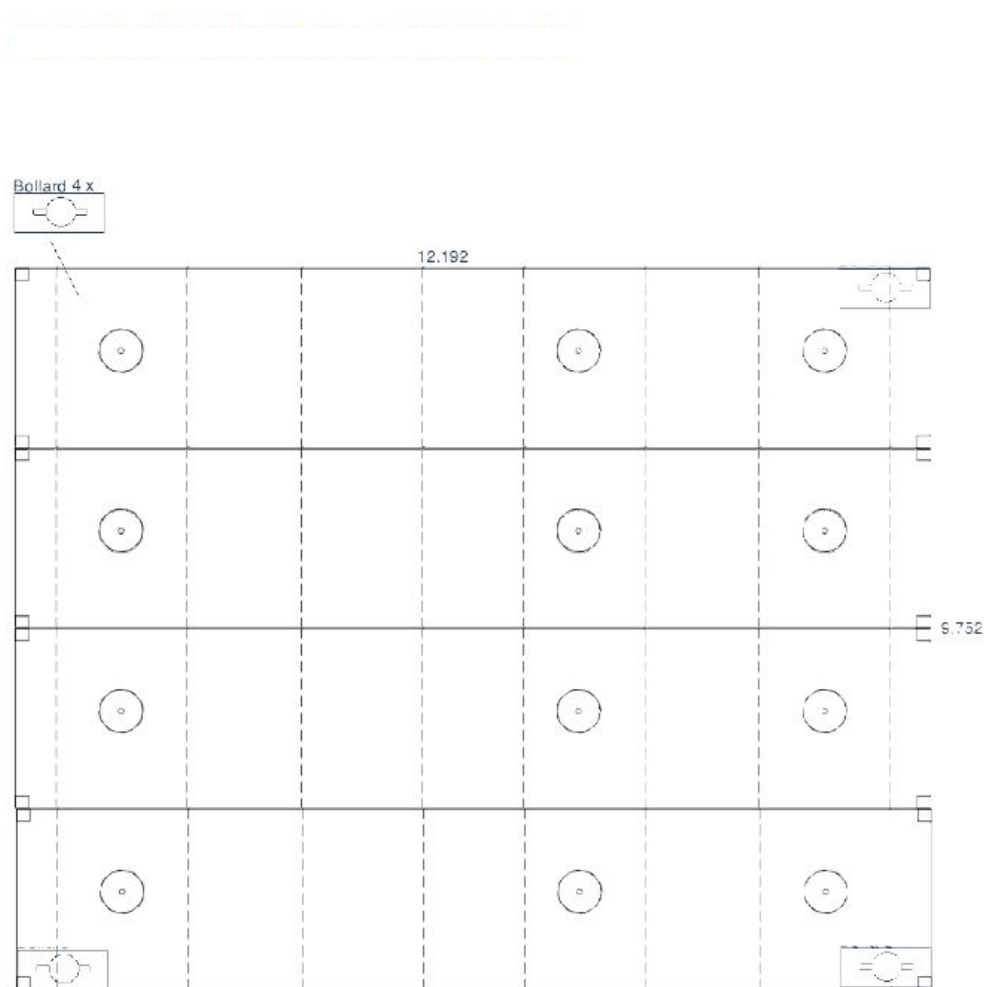
Minimum barge requirements Single Gates  
On an open sea location or coastal race location

## 40 ft Connectable Container Pontoon

Length O.A.	12.192 m.
Width	2.438 m.
Depth	2.438 m.
Class	Bureau VERITAS Inland waters Coastal waters
Draught empty	0,45 m.
Deckload	6 T./ M2.



# SINGLE GATES



# DOUBLE GATES

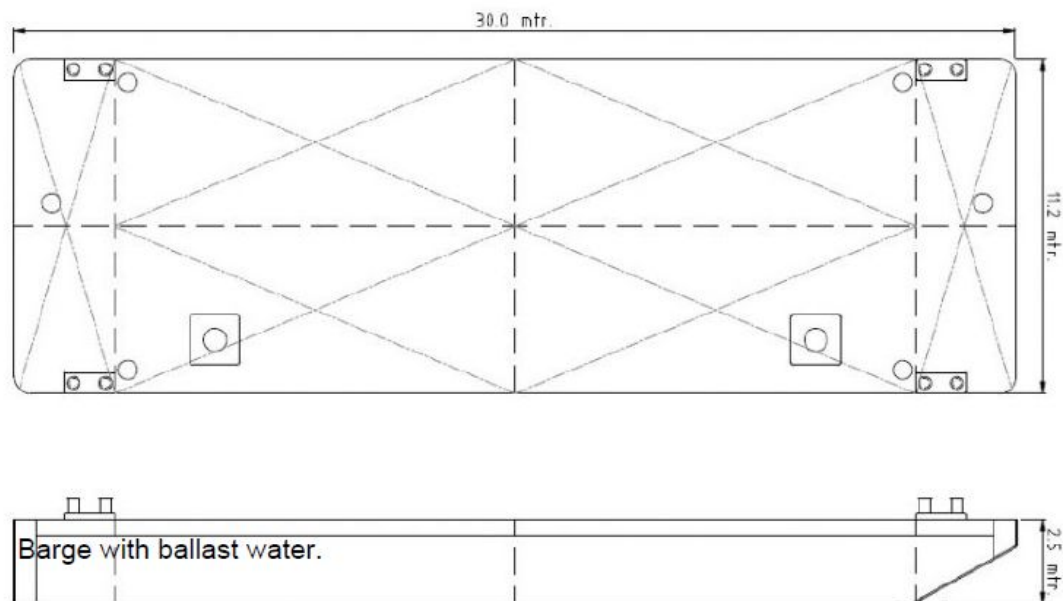
Minimum barge requirements Double Gates  
On an open sea location or coastal race location

## Flattop Barge

Length O.A.  
Width  
Depth  
Class

Draught empty  
Deckload

Min. 26 m. - Max. 40 m.  
Min. 8 m. - Max. 11 m.  
Min. 2,05 m. - Max 2,5 m.  
Bureau VERITAS  
Coastal waters  
0,5 m.  
5 T./ M2.



# DOUBLE GATES



# TUG BOAT

## Minimum requirements Tug Boat.

The tugboat we will use to bring the Airgate in position after the placement of 2 anchors.  
We need the Tug the whole period due to safety. In case of bad weather we need to remove the track.  
The tug should be an offshore tug but not too big, It should be able to push the barge in position.

L.O.A.  
Bollard pull  
Class  
Push bow

20 m. – 30 m.  
up to 10 T.  
B.V. Coastal waters  
Yes



# SMALL BOATS

## Requirements Small boats

The small boats have to be Ridged inflatable boats  
We do use them as Airgate boat, Rescue boat or Shuttle

Minimum length  
Minimum horsepower  
Driver  
Boat

8 Meters  
175 HP  
English speaking  
needs to be in good condition.





# ANCHOR HANDLING VESSEL

## Requirements Anchor Handling Vessel

The anchor handling vessel needs to be an MPV  
Including crane and min. 1 anchor handling winch.

**Type of vessel**

**Class**

**Trading area**

**Min. Dimensions**

**Total output main engines**

**Bow thruster**

**Bollard pull approximately**

**Free running speed**

**Towing/anchor handling winch**

**Hydraulic crane**

Multi purpose vessel (MPV)

Bureau Veritas

Coastal navigation

25,0 x 9,9 x 3,5 m

1566 kW

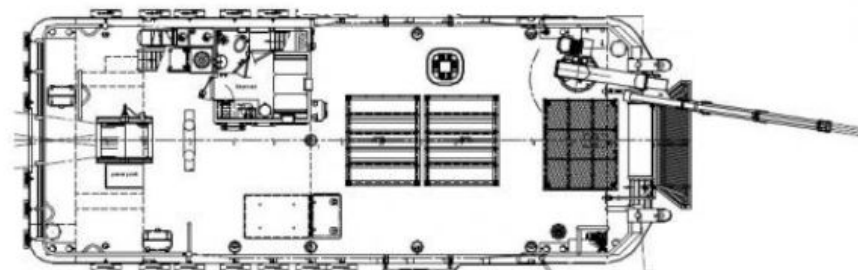
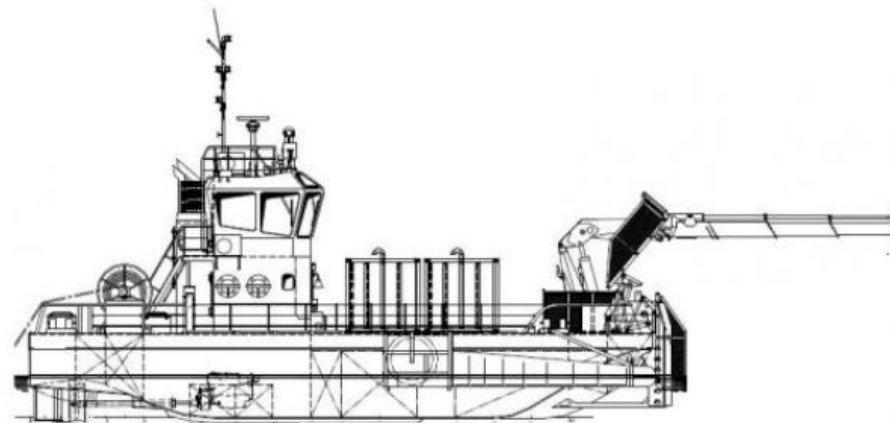
358 kW, 360 degrees

28 ton

10 knots

2x 45 ton CT

200 tm.



# ANCHOR HANDLING VESSEL



# BARGES

As there is no final track at the moment we cannot make an accurate list on how much barges we require. We estimate the following;

## Required Barges Red Bull Air Race

Double Gates	6 pcs.	min. 18 days on location	TBD.
Single gate	3 pcs.	min. 18 days on location	TBD.
Work-barge (same as double gate)	1 pcs.	min. 18 days on location	TBD.

## Required Vessels Red Bull Air Race

Tugboat	1 pc.	min. 16 days on location	TBD.
MPV	1 pc.	min. 18 days on location	TBD.

## Required Anchors Red Bull Air Race

Not Required

## Required small Boats Red Bull Air Race

Ridgit inflatable boats	3 pcs.	min. 13 days on location	TBD.
Shuttle boats	2 pc.	min. 6 days on location	TBD.

# ADDITIONAL REQUIREMENTS

## Additional requirements Red Bull Air Race

1. Shelter area during whole period in case of bad weather.
2. Transport of equipment to and back.
3. Shipyard or area to moor the barges and vessels during setup and overnight.
4. 24 hour standby during whole period from the MPV and Tugboat. (Weather and race track repositioning)