
MANDL
Living on Water
floating cottage PCH44

floating cottage

brochure

Peter Mandl, MSc. AMRINA
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Content

1 Scope of use

Floating cottage is meant to be a weekend house which is able to serve up to 12 people primarily from spring to autumn but beautiful winter times can be spent here too.

Designed for zone 4 according to Directive 2006/87/ES

2 Main dimensions

Particulars:	L_{max}	=	12,00 m (max length)
	B_{max}	=	6,33 m (max breadth)
	T_{max}	=	0,98 m (draught at full load)
	H_{HVR}	=	3,50 m (height above waterline at full load)
	F_{min}	=	0,22 m (deck of pontoons above waterline)
Displacement	G	=	44,20 t @ T_{max}
Supplies	300		kg
Reserve	500		kg
Persons (max)	12		900 kg
Cabins	3		
Berths	6		
Gross area	44,65		m^2
Net area	37,20		m^2
Front terrace	23,85		m^2
Back terrace	5,95		m^2

3 Description

3.1 Anchoring

Cottage can be anchored in its location using various applications according to local conditions. Most common one in our region uses gangway, shore boom and steel ropes which create an anchoring system that holds floating cottage in place.
The other possibilty are piles which are usually digged into the seabed. The cottage is connected to pile with a collar.
The last but not least is anchoring system installed under waterlevel. Concrete blocks laid on the seabed are connected to cottage pontoons with chains or special system called SEAFLEX.
All described anchoring systems allow floating cottage to move up and down with changing water level. This change can be several meters.

3.2 Pontoons

Floating platform of the cottage is created with high durable concrete pontoons by SM PONTON company which are designed to withstand freezing-in. There are two pontoons SMP 100/24/12 which are coupled with steel construction to create a catamaran pontoon. Platform dimension is 10 x 5,8 m. Pontoons are filled in with EPS foam which assures their unsinkability. Higher weight of pontoons is good for stability of the floating cottage. There is a wastewater treatment tank built-in in one of the pontoons.

3.3 Superstructure

Construction of cottage is wooden frame with internal insulation and batten facade. Roof is metal or plastic. Windows are double glazed with aluminium frames. Terrace is made of wood-plastic composite. Railings are stainless steel with wooden handle bar.
All steel parts are either hot dip galvanized or stainless steel.
Interior walls are white painted, laminate floors and interior door.

3.4 Systems

3.4.1 Water

Water is pumped directly from the surrounding river or lake and treated in filtration system. Water boiler and pressure tank are in the system.
Drinking water must be supplied externally.
If available, cottage can be connected to all municipal supplies.

3.4.2 Wastewater

Main element of the system is wastewater treatment tank. This special tank is CE certified product which output can go directly into surrounding water.

3.4.3 Heating

Infra panels installed on ceilings will serve for heating.

3.4.4 Electricity

Floating cottage is connected to municipal electric system on the bank (220/400V).

3.5 Accessories and safety

Floating cottage has one anchor light on the roof and necessary life saving equipment.

4 Drawings and pictures

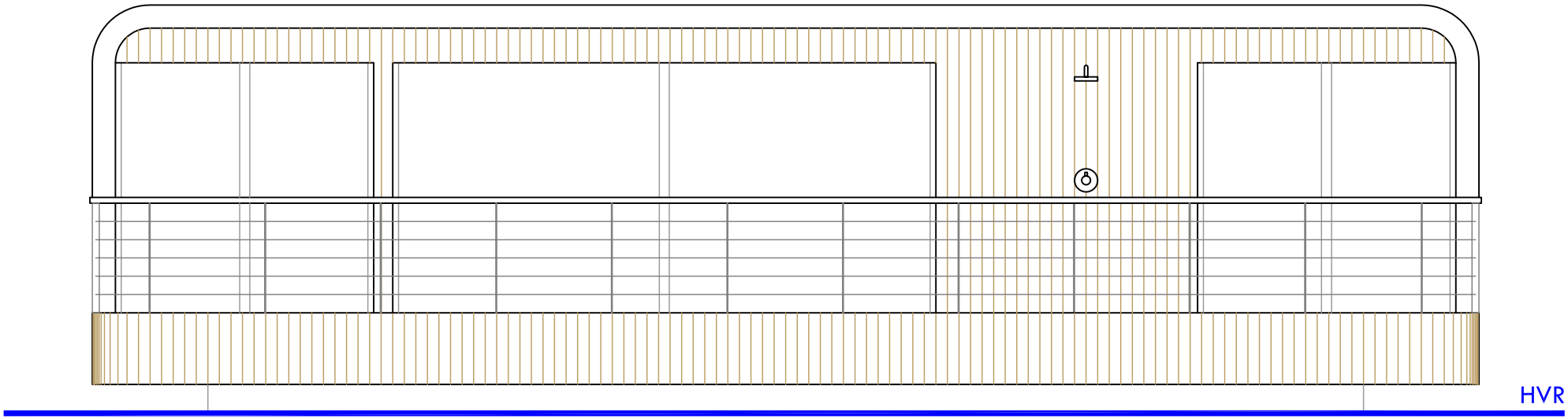
VIEWS
- from the water
- from the bank
- downstream and upstream
- roof

LAYOUTS
- interior
- interior with legend

VISUALIZATION
- perspective from the water
- perspective from the bank

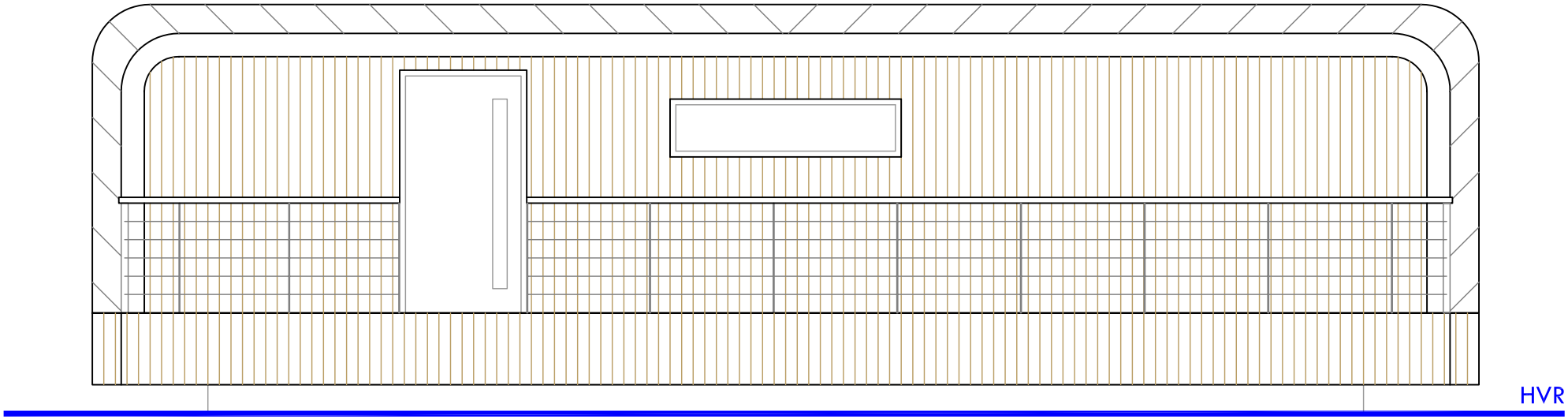
floating cottage

from the water



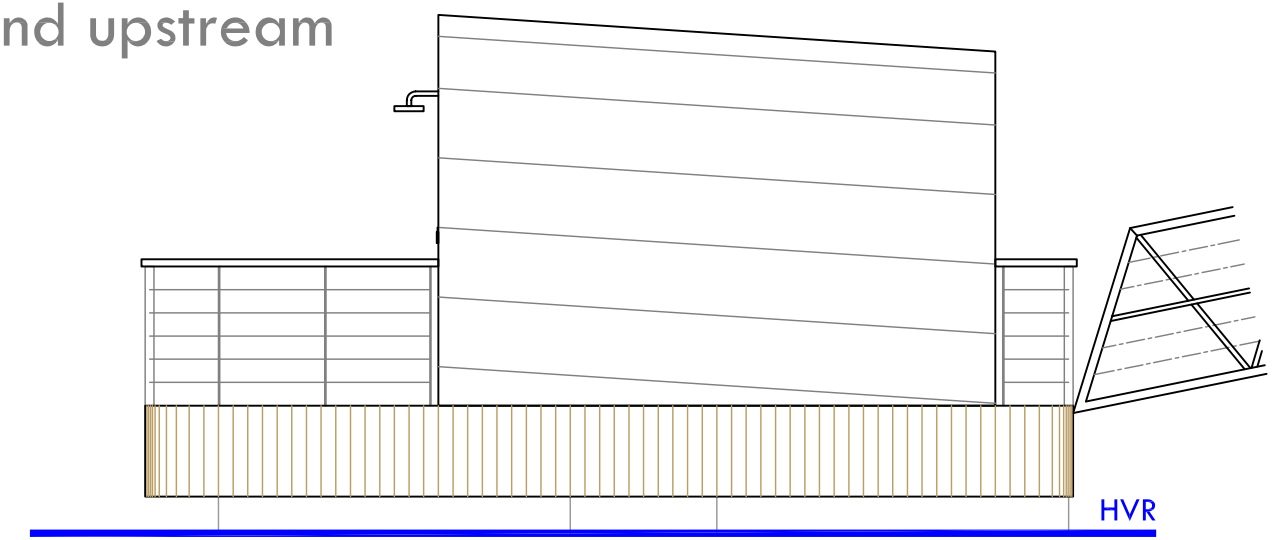
floating cottage

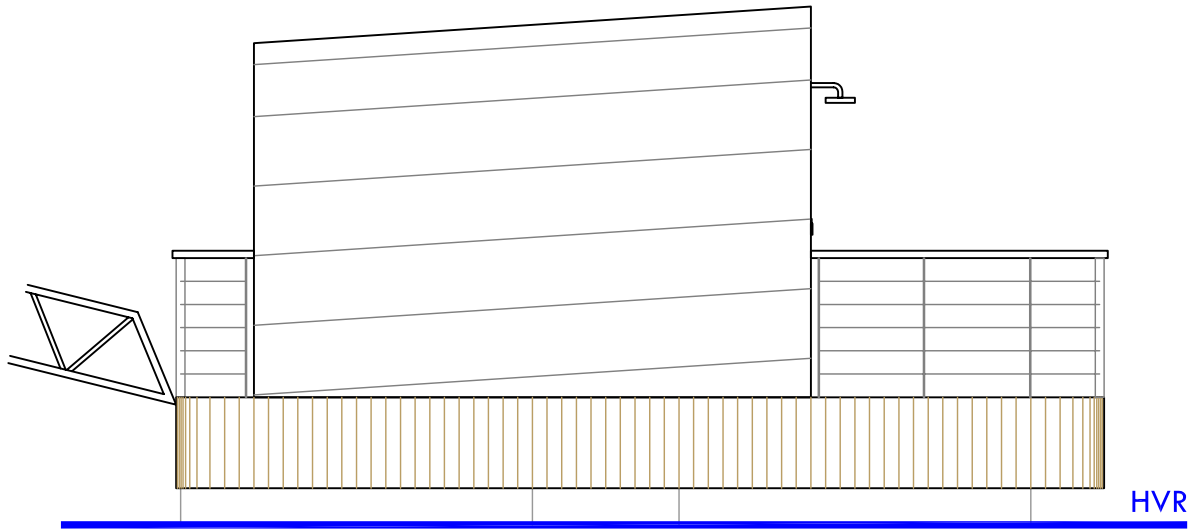
from the bank



floating cottage

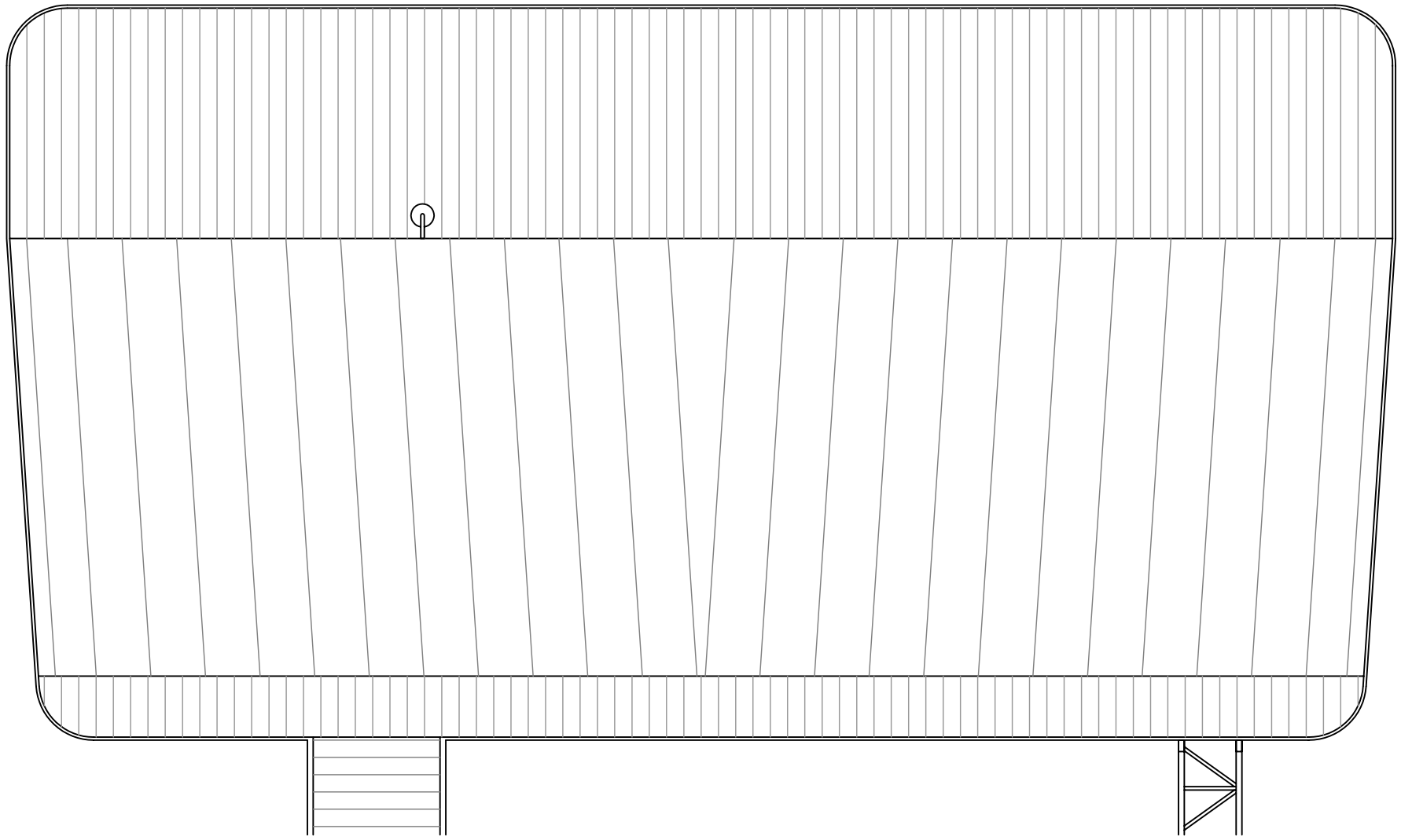
downstream and upstream





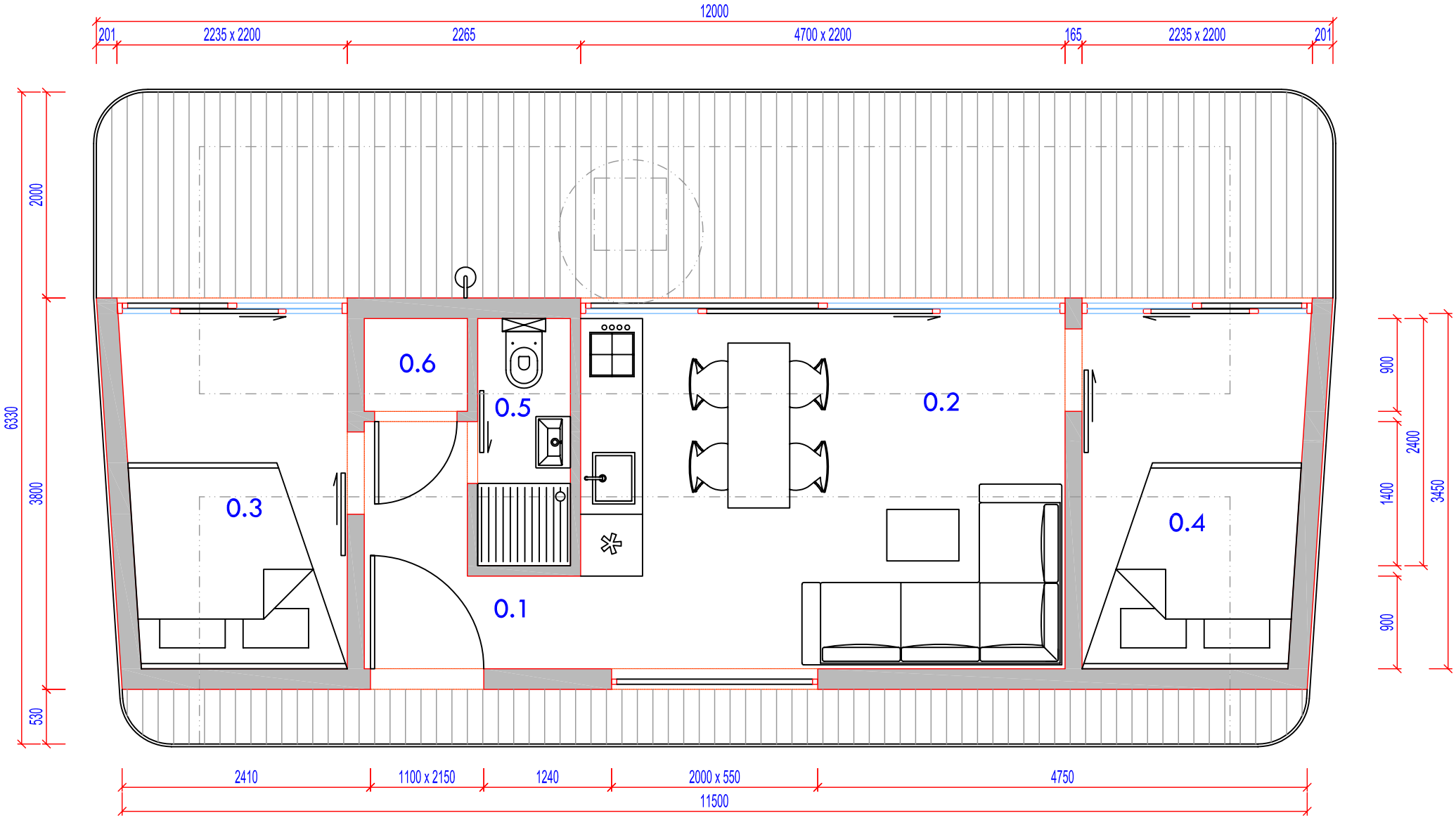
floating cottage

roof



floating cottage

interior

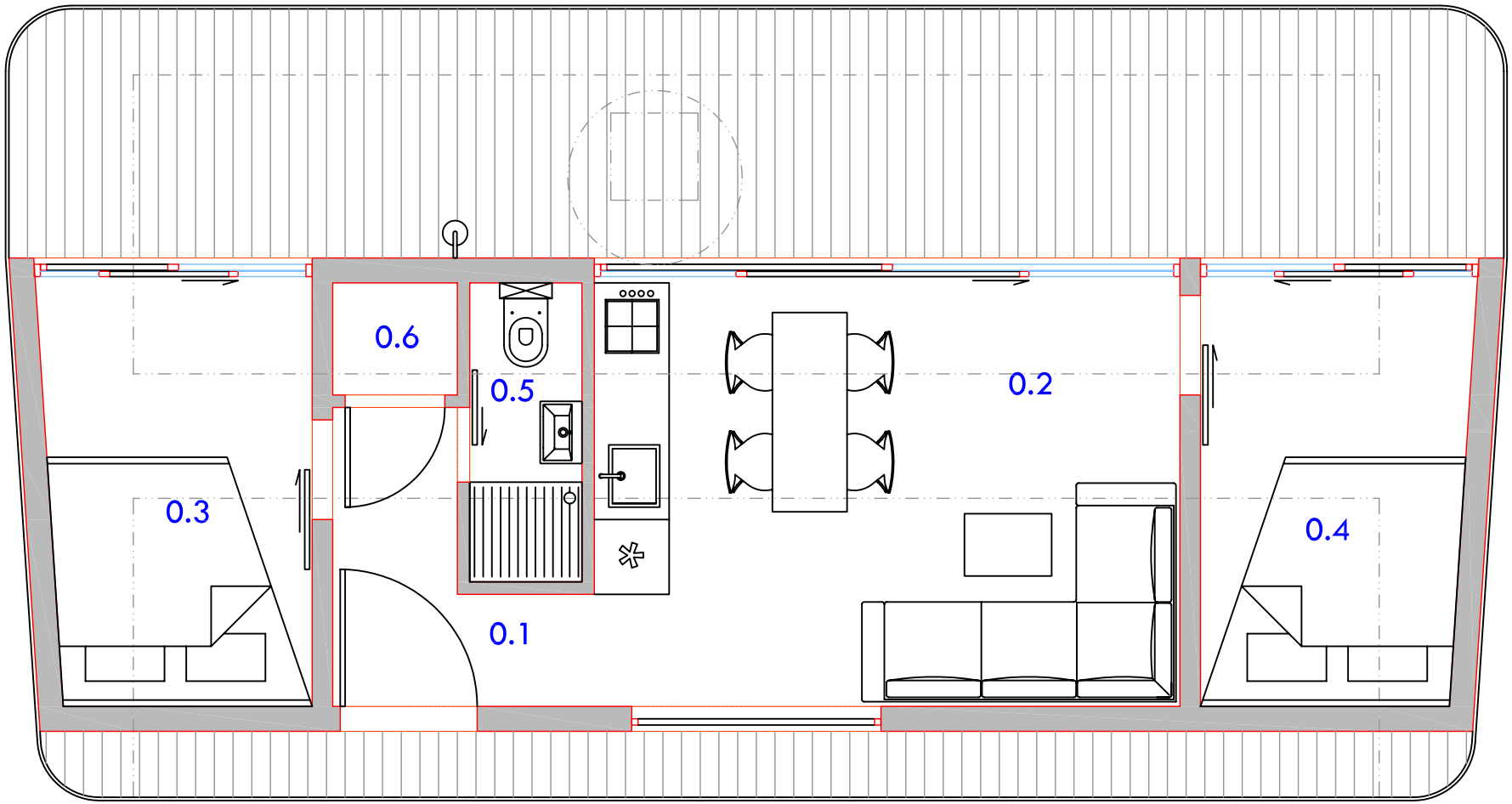


floating cottage
interior with legend

Gross area	44,65 m^2
Net area	37,20 m^2
Front terrace	23,85 m^2
Back terrace	5,95 m^2

Main deck

0.1 Antre	3,39 m^2
0.2 Living room	16,22 m^2
0.3 Bedroom 1	7,30 m^2
0.4 Bedroom 2	7,30 m^2
0.5 Bathroom	2,16 m^2
0.6 Service room	0,90 m^2




floating cottage
view from the water


floating cottage
view from the bank

MANDL – Living *on* Water, s. r. o.

A. Gwerkovej 1
851 04 Bratislava, Slovakia
T: +421 2 207 33 009
M: +421 903 233 009
E: info@mandl-low.sk
W: www.MANDL-LoW.sk