

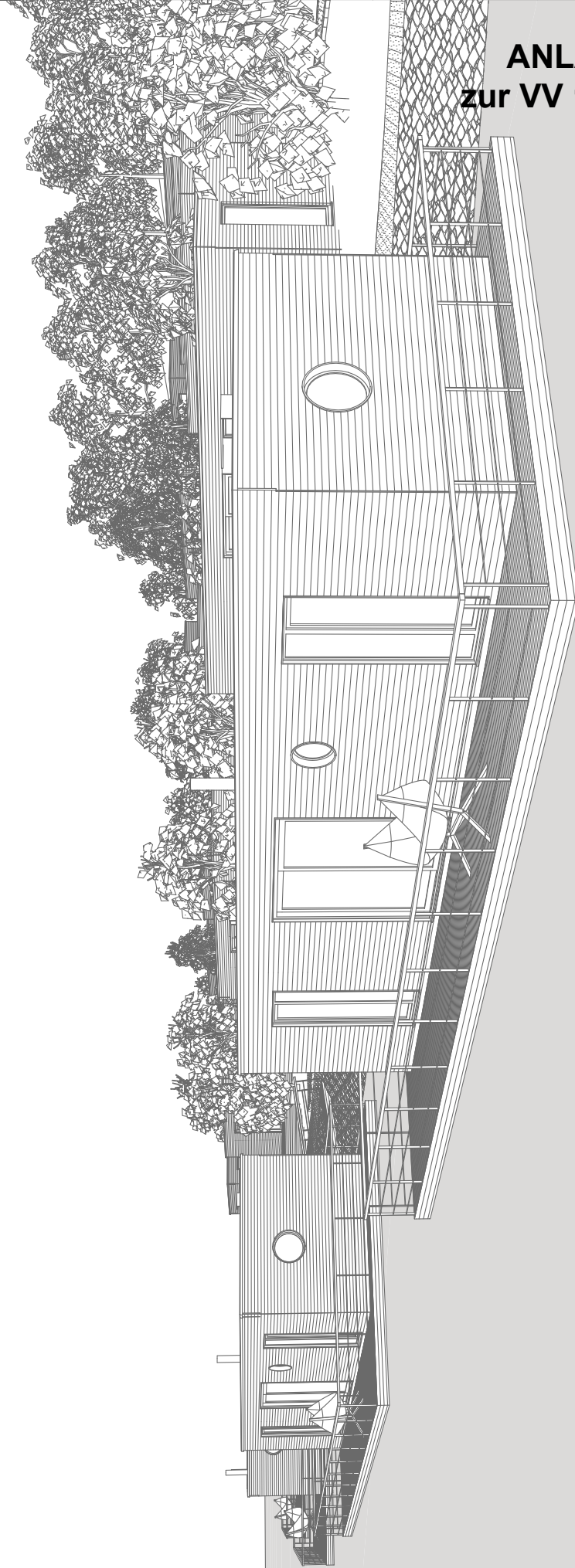


AREA STUDY



Freizeitzentrum
Blaustein-See

Freizeitzentrum Blaustein-See GmbH
Verwaltung: Johannes-Rau-Platz 1, 52249 Eschweiler



ANLAGE 4
zur VV 134/19

BLAUSTEIN-SEE

FREE
DOMKY®

Unit Ln

Unit M

Unit M

Unit Ln

Unit S

Houseboat Ln

Houseboat M

BLAUSTEIN - SEE

S 1-2

weight: floor area: structural area:
10–13 t 22,2 m² Classic 27,7 / Top 29 m²

dimensions:

Classic 4,0 × 7,0 × 3,3 / Top 4,1 × 7,1 × 3,3 m

With consideration of transportation, the given dimensions are rounded one decimal place.

energy consumption:

136 / 99 kWh/m² per year

(heating, boiler, lighting, domestic appliances)



Production

The construction and assembly of all "Freedomk" are carried out under ideal humidity and temperature levels.

Wiring, heating and water heating

Electrical circuits, electrical terminals, water supply and sewage systems are already fabricated with every Freedomk, this includes conducted pressure testing inspection. Heating is provided by electric heaters or infrared and electric boilers.

Transport and Installation

The Freedomk arrives as a finished product at the building plot on a truck equipped with a trailer crane that then sets the Freedomk onto the prepared foundation and is connected to the standard residential utilities.

Foundation

Foundation ground screws

- an easy and quick solution with an immediate load capacity
- minimizes excavation

Concrete slabs/footings

- traditional slabs/footings suitable for all kinds of underlying bedrock
- suitable for sloped terrain setups

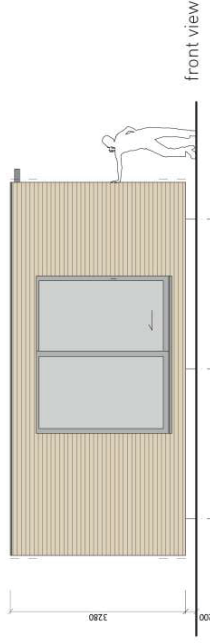
Materials and construction

- organic materials
- the construction of the house functions as a spatial unit with sufficient resistance to handling and transport

A Freedomk wall cutaway view

The wall is constructed with porous diffusion properties and thus "breathes." It is insulated with fiberboard and Fernacell sheathing boards. The thermal transmittance of the wall or walls are: 0,28 W/m² K.

- 1) Nordic Larch wooden façade panels
- 2) Ventilated space
- 3) Fermacell Drywall/Gypsum board/plasterboard
- 4) Fiberboard insulation
- 5) Fermacell vapor drywall
- 6) Wooden structure made of KVH profiles



front view



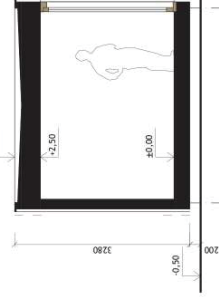
foundation/platform view



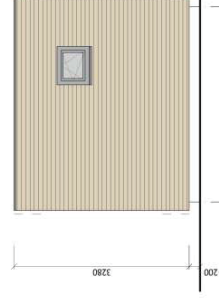
S

RECOMMENDED
CARDINAL ORIENTATION

NR.	TYPE OF ROOM	m ²
01	KITCHEN	15,8 m ²
02	SLEEPING CORNER	3,9 m ²
03	BATHROOM	2,5 m ²



cross section



side view



weight: floor area: structural area:
15–21 t 37,6 m² Classic 45,8 / Top 47,7 m²

dimensions:
Classic 4,0 × 11,5 × 3,3 / Top 4,1 × 11,6 × 3,3 m
With consideration of transportation, the given dimensions are rounded one decimal place.

energy consumption:
133 / 97 kWh/m² per year
(heating, boiler, lighting, domestic appliances)



Production

The construction and assembly of all "Freedomky" are carried out under ideal humidity and temperature levels.

Wiring, heating and water heating

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Foundation

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Concrete slabs/footings

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- suitable for sloped terrain setups

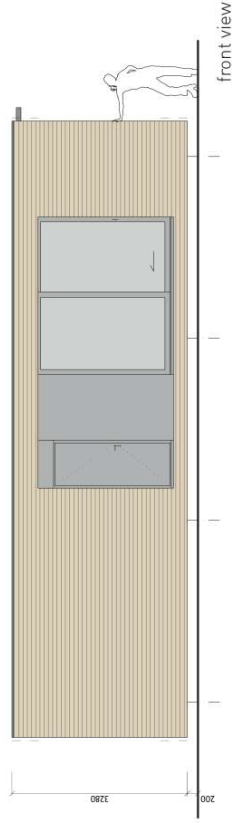
Materials and construction

- organic materials
- the construction of the house functions as a spatial unit with sufficient resistance to handling and transport

A Fredomek wall cutaway view

The wall is constructed with porous diffusion properties and thus "breathes." It is insulated with fiberboard and Fermacell sheathing boards. The thermal transmittance of the wall or walls are: 0,28 W/m² K.

- 1) Nordic Larch wooden façade panels
- 2) Ventilated space
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- 6) Wooden structure made of KVH profiles



front view

≈ 11500 (Classic) / ≈ 11600 (Top)

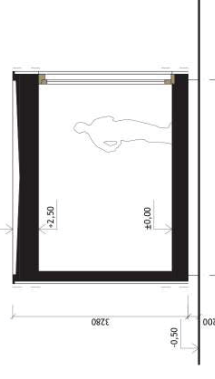


foundation/platform view

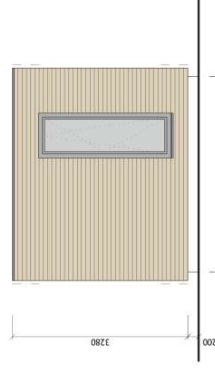
NR.	TYPE OF ROOM	m ²
01	ENTRY	4,0 m ²
02	BATHROOM	4,5 m ²
03	BEDROOM	12,3 m ²
04	KITCHEN	16,8 m ²



RECOMMENDED
CARDINAL ORIENTATION



cross section



side view

Ln 3-4

weight: floor area: structural area:
20,5-27 t 49,8 m² classic 61,2 / Top 63,5 m²

dimensions:

classic 4,0 × 15,4 × 3,3 / Top 4,1 × 15,5 × 3,3 m

Composed of M (4 × 11,5 m) and N (4 × 4 m) modules

With consideration of transportation, the given dimensions are rounded one decimal place.

energy consumption:

133 / 97 kWh/m² per year

(heating, boiler, lighting, domestic appliances)

Production

The construction and assembly of all "Freedomky" are carried out under ideal humidity and temperature levels.

Wiring, heating and water heating

Electrical circuits, electrical terminals, water supply and sewage systems are already fabricated with every Freedomky, this includes conducted pressure testing inspection. Heating is provided by electric heaters or infrared and electric boilers.

Transport and Installation

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Foundation ground screws

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Concrete slabs/footings

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Materials and construction

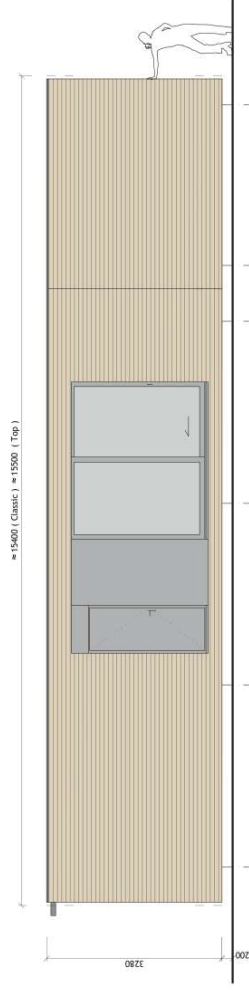
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A Fredomek wall cutaway view

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front view

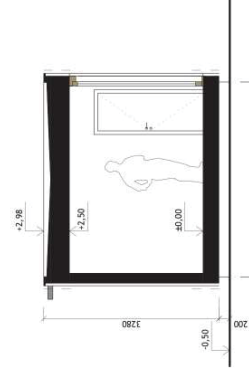


foundation/platform view

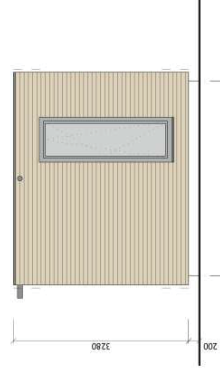


RECOMMENDED
CARDINAL ORIENTATION

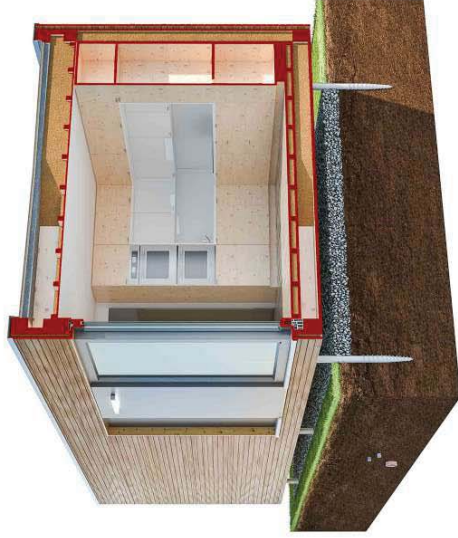
NR.	TYPE OF ROOM	m ²
01	ENTRY	4,4 m ²
02	BATHROOM	3,0 m ²
03	WC/LAVATORY	1,5 m ²
04	BEDROOM	12,1 m ²
05	KITCHEN	16,5 m ²
06	ROOM	12,3 m ²



cross section



side view



Thank you for your attention
looking forward to be part of this project

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