



MODULmobileHOMES



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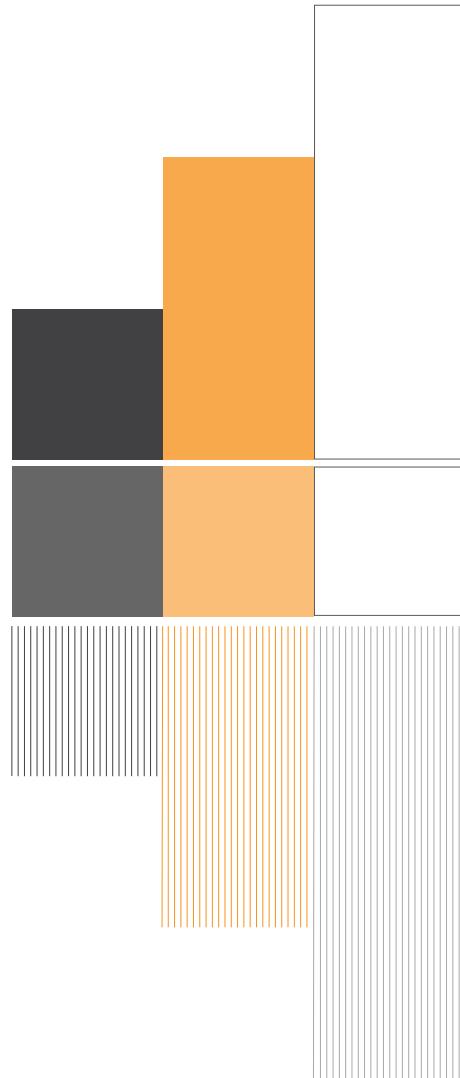
MODULmobileHOMES

Upgrade Your life by a MODULE!



WHY
MMH?

WHY MMH?



MODULARITY

The units are sized to the real users' needs.

UNIQUENESS

The housing structure is achieved due to possibility of combining modules.

SIMPLICITY OF CONSTRUCTION

Time-saving for end users.

SYSTEM UPGRADEABILITY

A house growing together with the family.

MODERN DESIGN

Fitting into any natural surroundings.

ENERGY EFFICIENT SYSTEM

Properties are adjusted to the users' needs, local requirements and regulations to reduce energy use.



INDEX



STANDARD PRODUCTS

MMH MODULES

2

MMH EXTENSIONS

3



MMH MODULAR COMBINATIONS

MMH21_S.01

4

MMH21_M.01

8

MMH21_M.02

12

MMH21_L.01

16

MMH21_L.02

20

MMH21_XL.01

24



PROPERTIES

28



Module A is the basic modular house – a studio for two persons. Usable area of 24,1 m² consisting of the living room, kitchen, lobby and fully furnished bathroom. The living room ambience is improved by a large glass wall, which visually deepens the space and integrates it with nature.

Module B, a one-bedroom flat for four persons, is a larger modular house than Module A. The area is 32.4m². The house consists of a living room, kitchen, lobby, bedroom and fully furnished bathroom.

Module D1 is a small bedroom for two persons of 10.6m² in area. The window wall provides a pleasant ambiance and natural illumination, Additional equipment for this room is also an option.

Module D2 is a large bedroom with fully furnished bathroom. The area is 15.8m², which provides enough comfort for two persons. The room is also equipped with a corner window wall, which adds to a pleasant atmosphere. Additional equipment is an option.

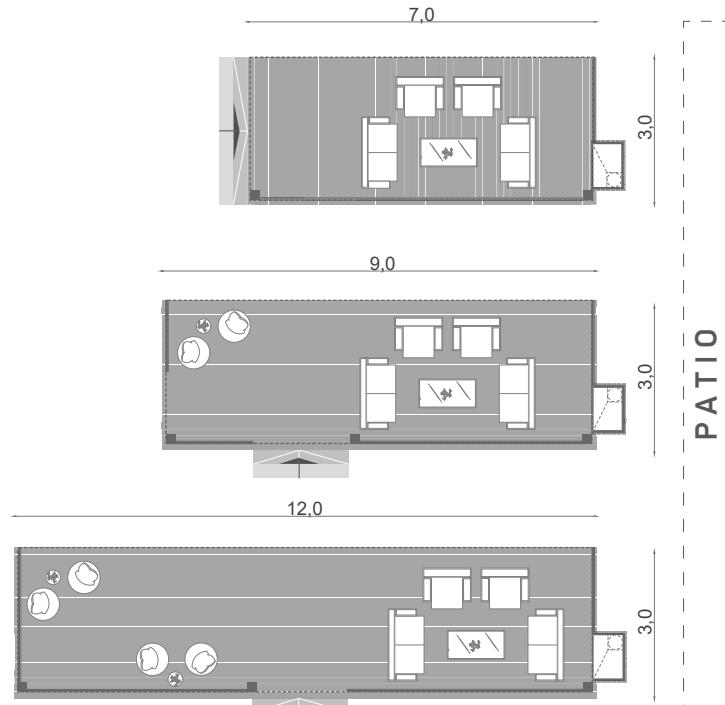
Garage is the space for your beloved car. Its area is 16.8 m², an area of the average parking place. The garage is naturally ventilated, and vertical slats covering the basic structure are similar in design to other modular units. The garage is equipped with automated roller doors, which makes access to the parking space simple.

Modular patios

The patio is a wooden platform placed on a metal structure, which is 50 cm raised from the ground. It is enclosed by a protective fence made of laminated glass 60 cm high and equipped with a 60x90 cm barbecue module. As an extension of the living area, the patio is a place to meet, socialize and relax and can optionally be covered.

It is fabricated in three sizes:

- Small patio (21.0 m²)
- Medium patio (27.0 m²)
- Large patio (36.0 m²)

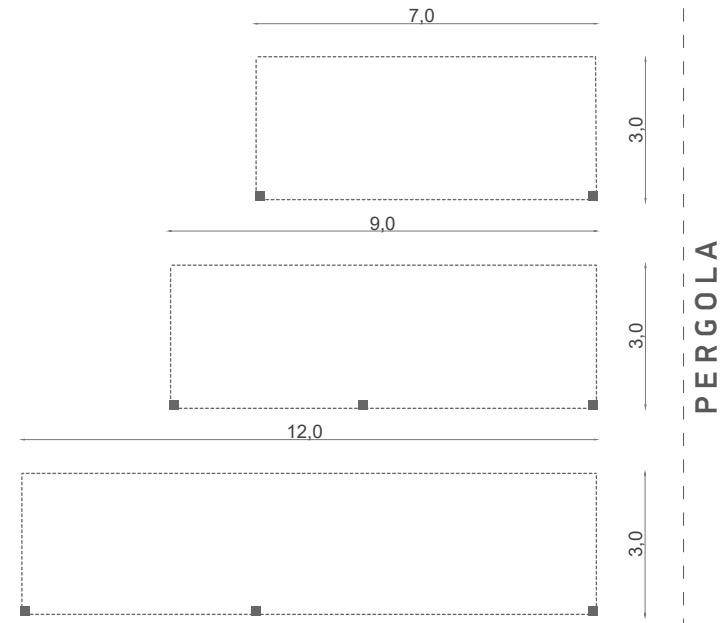


Pergola module

The pergola is an additional element that covers the patio. It is an efficient sun protection that allows you to spend a pleasant time outside. The pergola is an optional choice and is fabricated in three sizes. It can be ordered as a standard version of the pergola – with an aluminium construction and fixed wooden sunshades or as a bioclimatic pergola. Compared to the standard pergola, the bioclimatic pergola is automated. It protects from precipitation and enables a stay outside regardless of weather conditions.

- Standard pergola
- Bioclimatic pergola

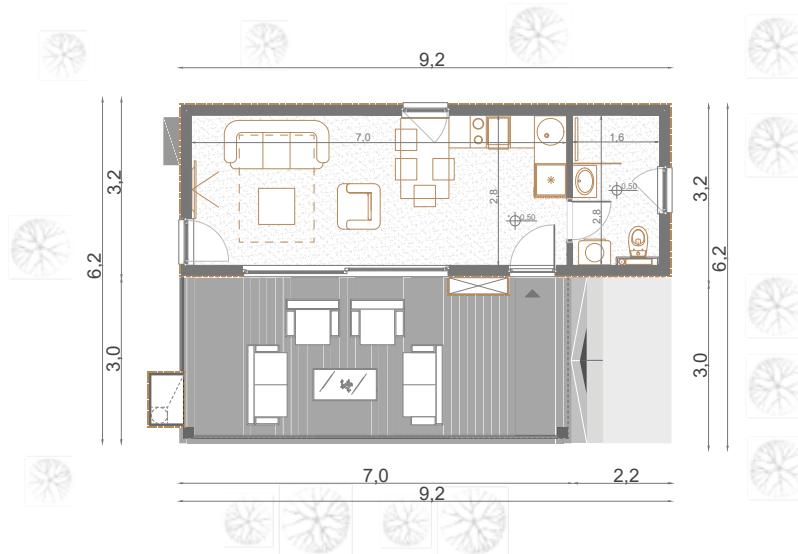
- Small pergola covers the area of the small patio (21.0 m²)
- Medium pergola covers the area of the medium patio (27.0 m²)
- Large pergola covers the area of the large patio (36.0 m²)





Mobile house, type:
MMH21_S.01





LIVING ROOM
BATHROOM

$P=19.6\text{m}^2$
 $P=4.5\text{m}^2$

NET AREA
GROSS AREA

$P=24.1\text{m}^2$
 $P=29.4\text{m}^2$

PATIO

$P=21.0\text{m}^2$

TOTAL USABLE AREA

$P=45.1\text{m}^2$

MMH21_S.01 is a mobile house consisting of one module with a covered patio, and is intended for two persons. In addition to the living room, dining room and bathroom, there is a large patio as an extension of the living room. It is intended for socializing and relaxation, and an additional standard barbecue module and a bioclimatic pergola can be added to make your stay in nature pleasant regardless of the weather.

**LET IT BE THE FIRST IN A SERIES OF MODULES,
WITH WHICH YOU WILL UPGRADE YOUR LIVING
SPACE!**



VIEW

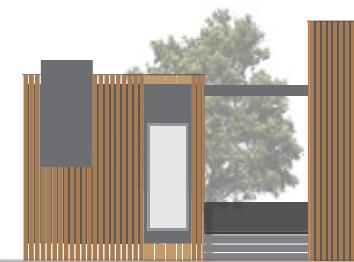
Mobile house, type:
MMH21_S.01



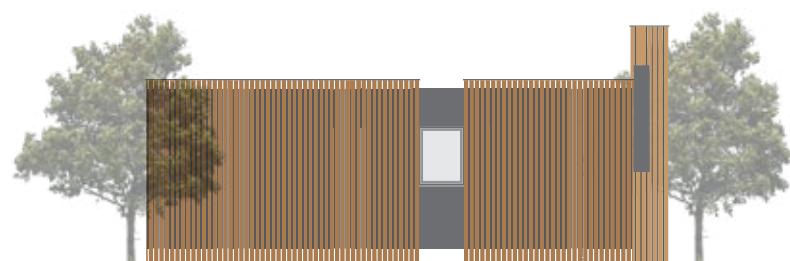
Front view



Side view



Side view



Rear view

A modern modular home with a woman walking by.

Upgrade Your life
by a MODULE!

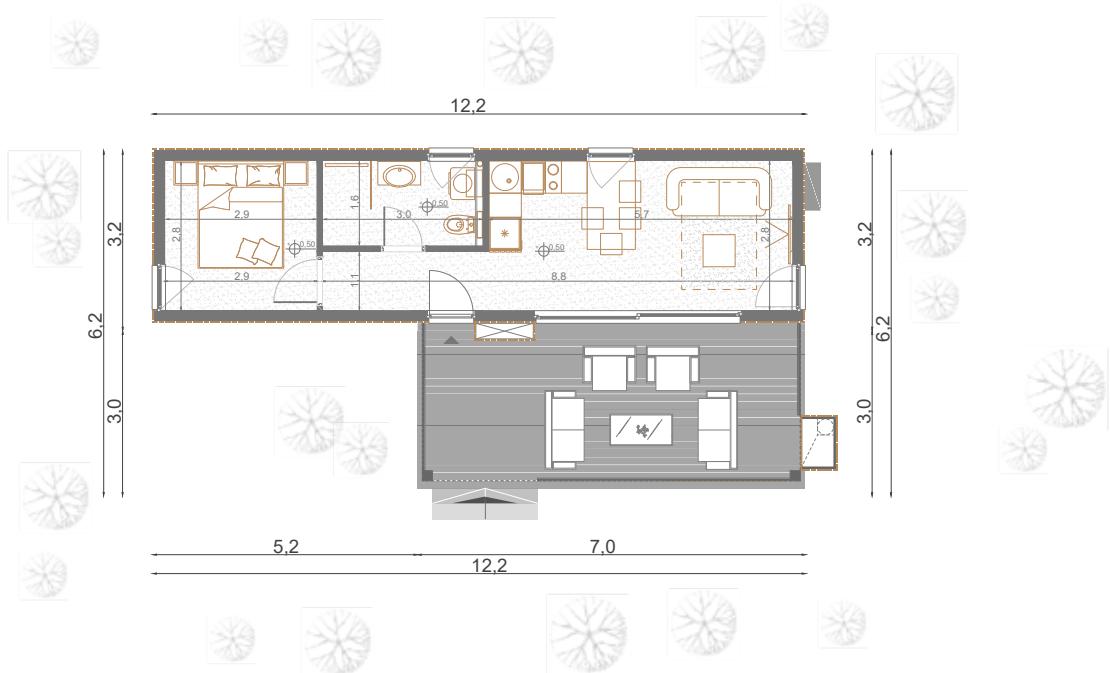


Mobile house, type:
MMH21_M.01





BASE

Mobile house, type:
MMH21_M.01

LIVING ROOM
BEDROOM
BATHROOM
HALLWAY

$P=16.0\text{m}^2$
 $P=8.1\text{m}^2$
 $P=4.8\text{m}^2$
 $P=3.4\text{m}^2$

NET AREA
GROSS AREA

$P=32.3\text{m}^2$
 $P=39.0\text{m}^2$

TERASA
 $P=21.0\text{m}^2$

TOTAL USABLE AREA
 $P=53.3\text{m}^2$

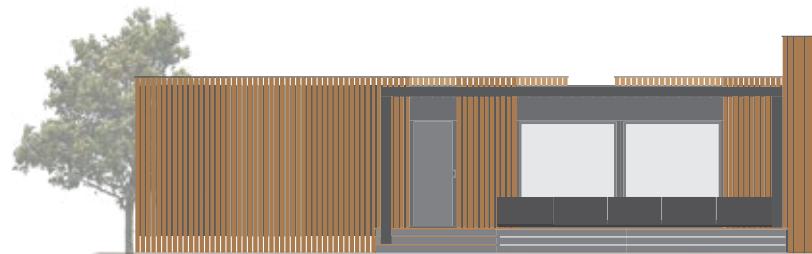
MMH21_M.01 is a mobile house consisting of one module with a covered patio, and is intended for four persons. In addition to the living room, dining room, hallway, bathroom and bedroom, there is a large patio as an extension of the living area. It is intended for socializing and relaxation, and it is possible to equip it with an additional standard barbecue module and a bioclimatic pergola to make your stay in nature pleasant regardless of the weather conditions.

**WHY NOT SHAPE A PART OF NATURE TO YOUR
SPECIFIC NEEDS?**



VIEW

Mobile house, type:
MMH21_M.01



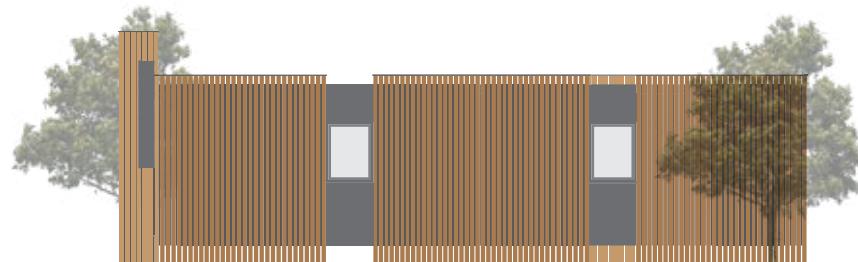
Front view



Side view



Side view



Rear view



A part of nature
shaped to your
specific needs!

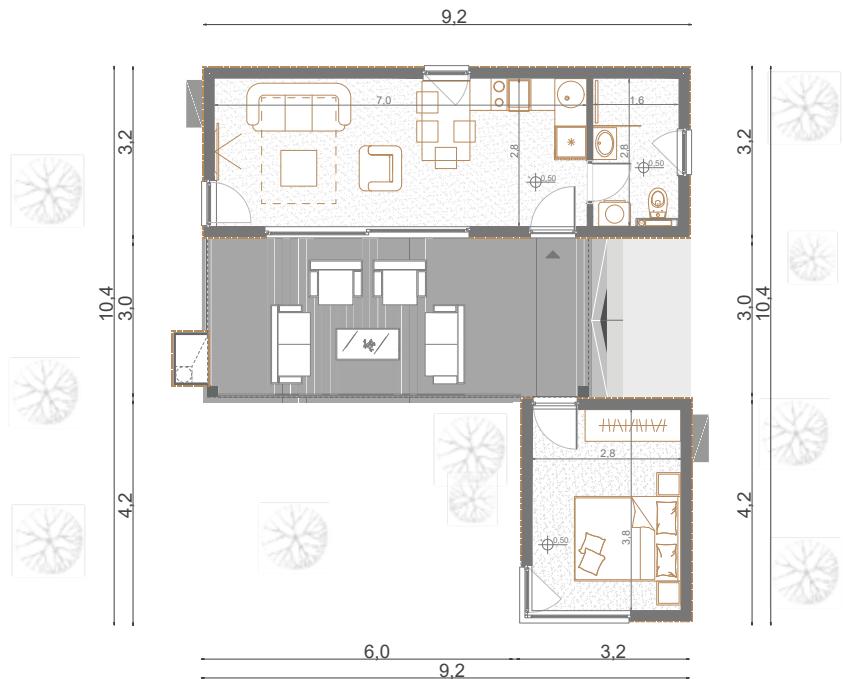


Mobile house, type:
MMH21_M.02





BASE

Mobile house, type:
MMH21_M.02

LIVING ROOM
DNEVNA ZONA
BATHROOM
KUPATILLO

$P=19,8m^2$
 $P=19,8m^2$
 $P=4,6m^2$
 $P=4,5m^2$

BEDROOM
SPAVACA SOBA

$P=10,7m^2$
 $P=10,6m^2$

NET AREA
NETO Površina objekta
GROSS AREA
BRUTO Površina objekta

$P=35,1m^2$
 $P=34,7m^2$
 $P=43,4m^2$
 $P=42,9m^2$

PATIO
TERASA

$P=21,0m^2$
 $P=20,0m^2$

TOTAL USABLE AREA
UKUPNA KORISNA Površina

$P=56,1m^2$
 $P=55,7m^2$

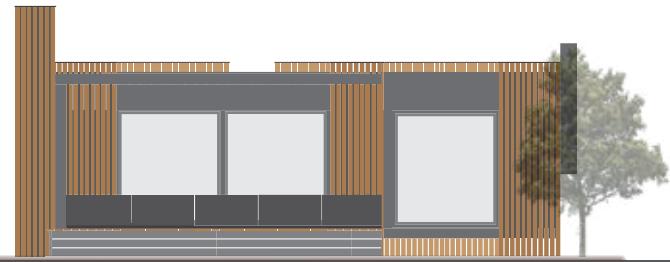
MMH21_M.02 je predstavlja modularnu jedinicu s dva mobile objekta, koji su namjenjeni za boravak, koji spaja dnevnu zonu i spavacu sobu. Terasa je moguće opremiti sa skromnim modulom roštilja. Kao i bioklimatskom pergolom, nature plesant. The design of each segment of the house is modern, which makes the composition complete and recognizable.

MOBILize your HOME!
MOBILizujte svoj DOM!

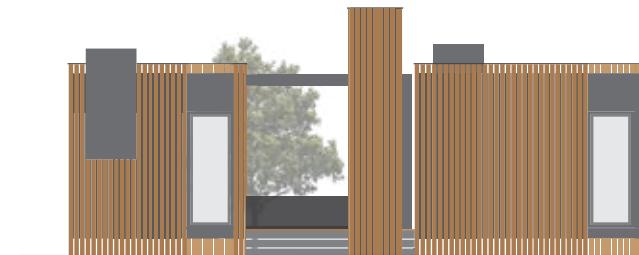


VIEW

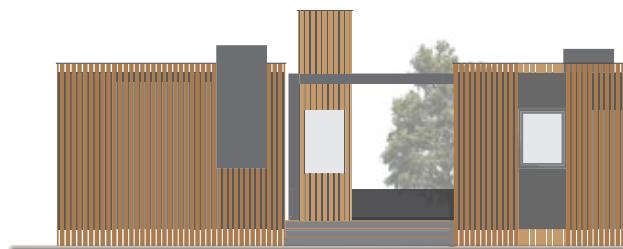
Mobile house, type:
MMH21_M.02



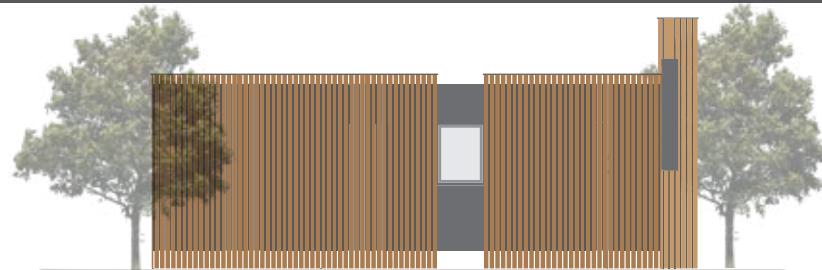
Front view



Side view



Side view



Rear view



MOBILize Your
HOME!



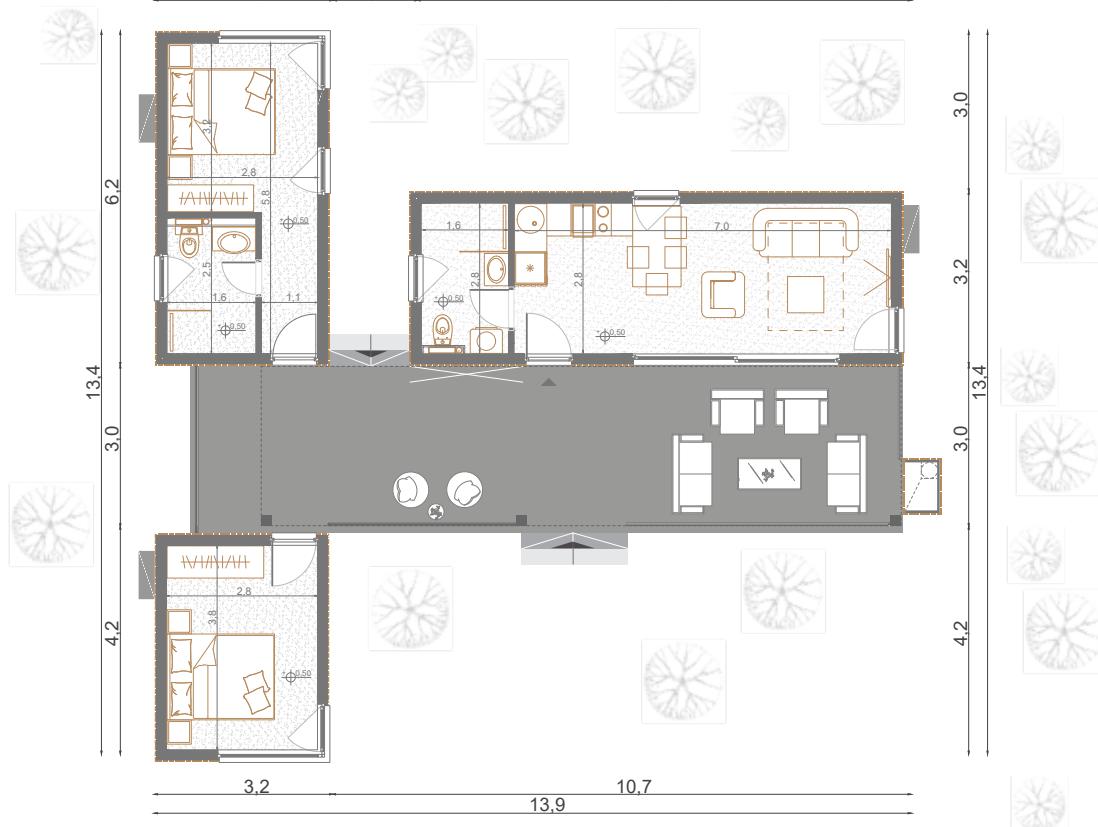


Mobile house, type:
MMH21_L01





BASE

Mobile house, type:
MMH21_L.01

LIVING ROOM

 $P=19.6m^2$

BATHROOM

 $P=4.5m^2$

BEDROOM

 $P=10.6m^2$

BEDROOM WITH BATHROOM

 $P=15.8m^2$

NET AREA

 $P=50.5m^2$

GROSS AREA

 $P=62.7m^2$

PATIO

 $P=36.0m^2$

TOTAL USABLE AREA

 $P=86.5m^2$

MMH21_L.01 is a modular unit consisting of three mobile structures intended for six persons. Each segment is treated using the same principle of materialization, which makes the given unit recognizable in every natural context. A large, covered patio is the central part of the structure and a place for socializing and resting. It connects the living room with the bedrooms and can be equipped with a standard barbecue module and a bioclimatic pergola to make your stay pleasant even on rainy days.

Order your MMH combination in only a few clicks!

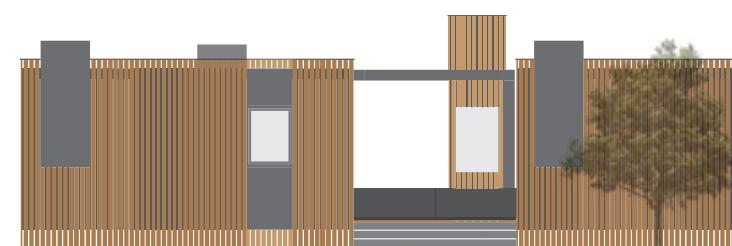


VIEW

Mobile house, type:
MMH21_L.01



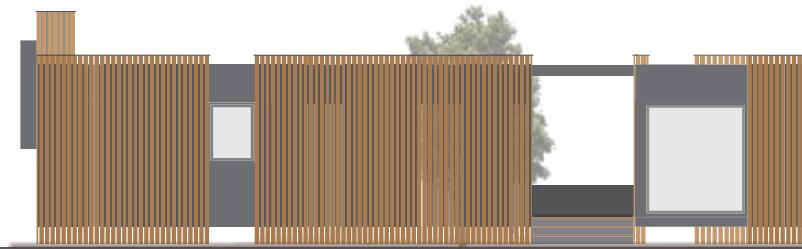
Front view



Side view



Side view



Rear view



A house ordered
by a CLICK!

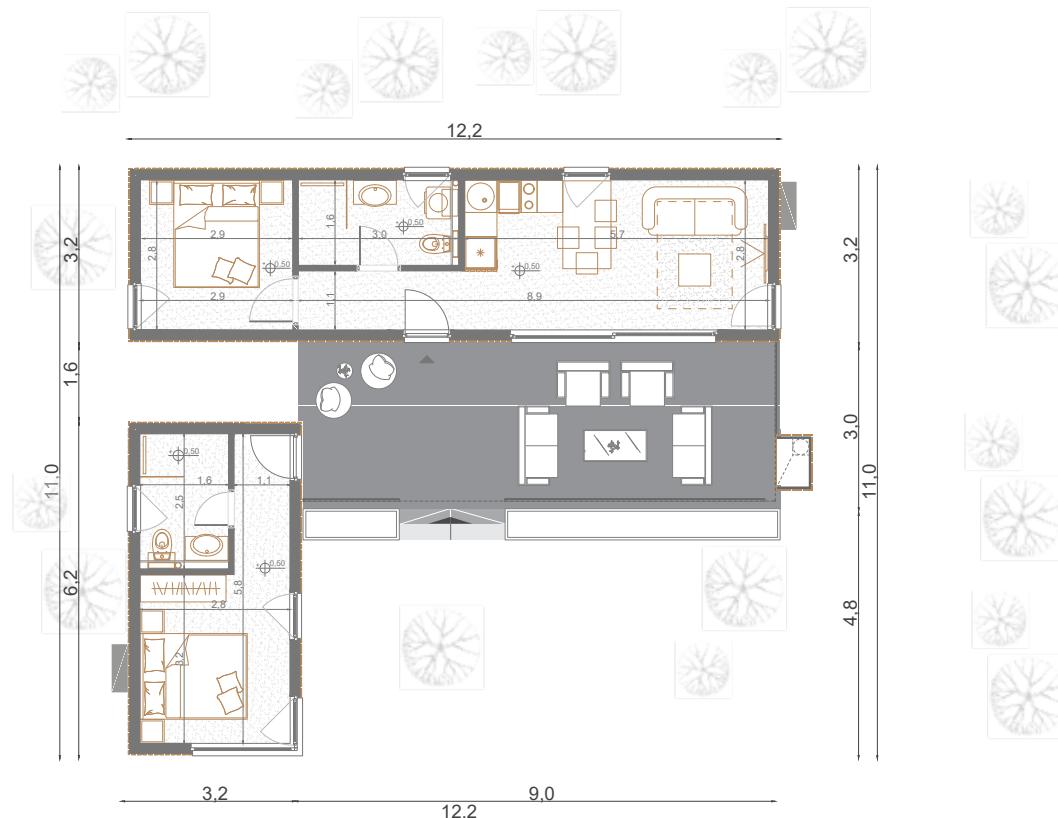


Mobile house, type:
MMH21_L.02





BASE

Mobile house, type:
MMH21_L.02

LIVING ROOM

 $P=16.0m^2$

BEDROOM

 $P=8.1m^2$

BATHROOM

 $P=4.8m^2$

HALLWAY

 $P=3.4m^2$

BEDROOM WITH BATHROOM

 $P=15.8m^2$

NET AREA

 $P=48.1m^2$

GROSS AREA

 $P=58.9m^2$

PATIO

 $P=27.0m^2$

TOTAL USABLE AREA

 $P=75.1m^2$

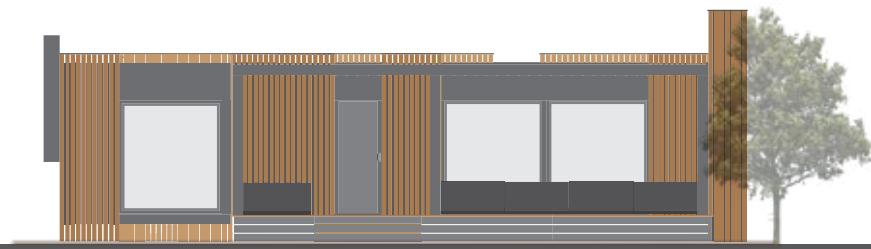
MMH21_L.01 is a modular mobile house intended for slx persons. It consists of two residential units oriented towards the central, common space for socializing and relaxation – a covered patio. The patio is a multifunctional element of this composition; it connects the living room with the bedrooms and provides a direct connection with the environment. The same principle of materialization is used to treat each segment of the composition, which makes a given unit recognizable in any natural environment. Moreover, the modular construction system makes MMH houses adaptable to the number of people living in them.

MMH houses grow together with the family!

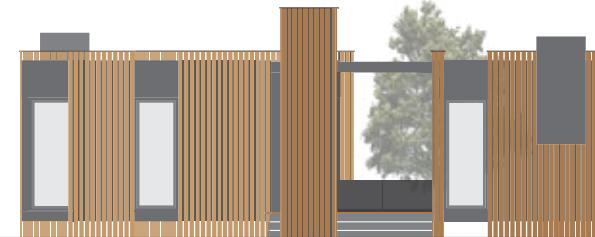


VIEW

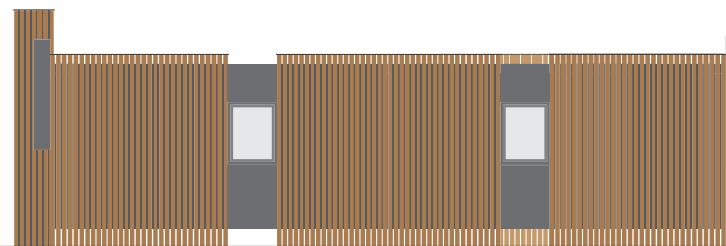
Mobile house, type:
MMH21_L.02



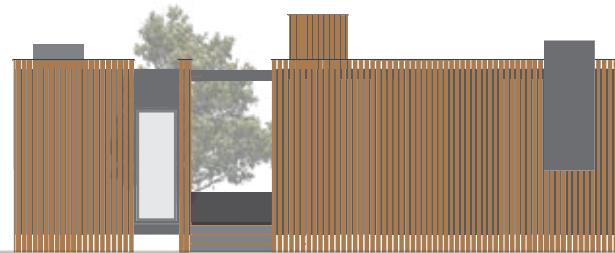
Front view



Side view



Side view



Rear view



We grow together
with the family!



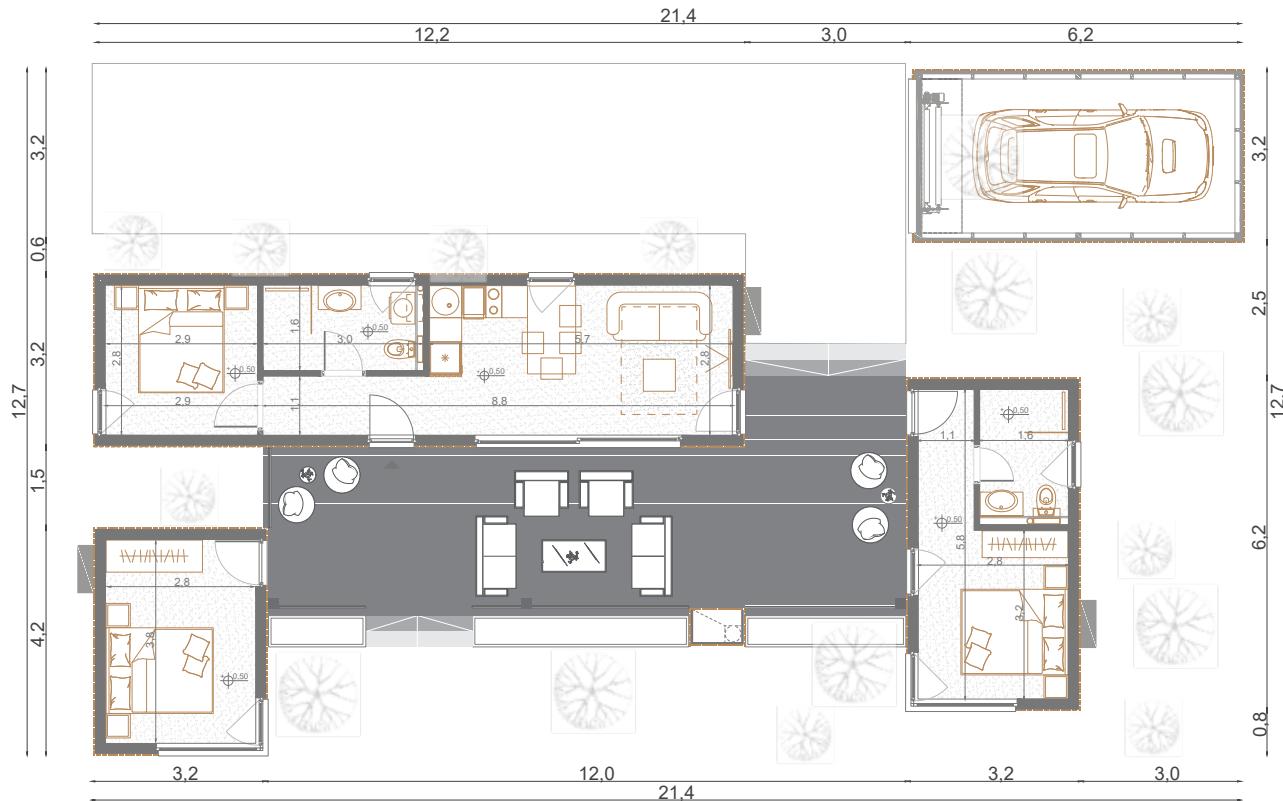


Mobile house, type:
MMH21_XL.01





BASE

Mobile house, type:
MMH21_XL.01

LIVING ROOM

 $P=16.0m^2$

BEDROOM

 $P=8.1m^2$

BATHROOM

 $P=4.8m^2$

HALLWAY

 $P=3.4m^2$

BEDROOM

 $P=10.6m^2$

BEDROOM WITH BATHROOM

 $P=15.8m^2$

NET AREA

 $P=58.7m^2$

GROSS AREA

 $P=72.3m^2$

PATIO

 $P=36.0m^2$

GARAGE

 $P=16.8m^2$

TOTAL USABLE AREA

 $P=111.5m^2$

MMH21_XL.01 is the most luxurious mobile MMH complex intended for eight persons. It consists of four modular units, whose consistent principles of materialization give the impression of a single unit. One of these modules is a garage, and the other three are residential. The modules are organized around a large, covered, multifunctional patio designed as a place to relax and socialize. Additionally, the modules can be covered with a bioclimatic pergola to make your time in nature pleasant even on rainy days.

NEW TIMES INFLUENCE DEVELOPING NEW HABITS AND TAKING NEW DECISIONS. LET YOUR CHOICE BE MMH HOUSES!



VIEW

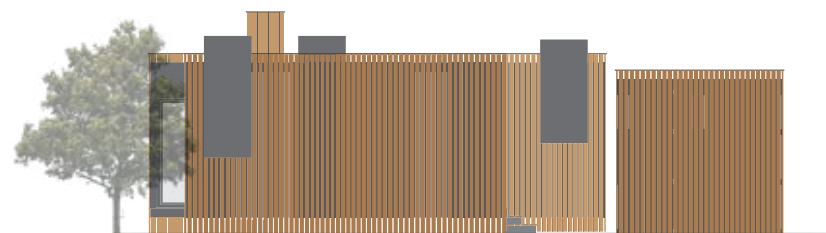
Mobile house, type:
MMH21_XL.01



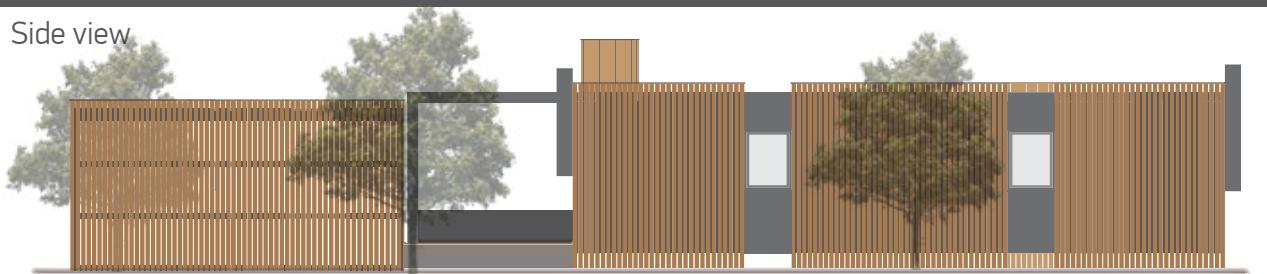
Front view



Side view



Side view



Rear view



NEW TIMES.

NEW HABITS.

NEW DECISIONS.

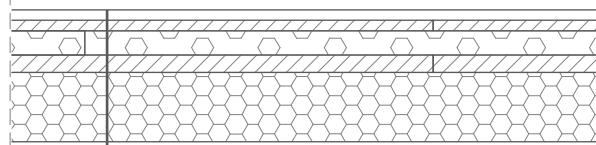
MAKE YOUR OWN DECISION!



STRUCTURAL SYSTEM

The MMH structural system consists of the primary and secondary steel structure. The primary construction consists of steel, box columns sized 100x100x4mm and steel beams sized 100x160x4mm. The secondary construction consists of steel U-profiles sized 50x100x3mm.

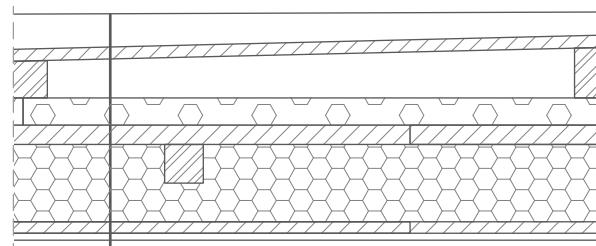
FLOORS



- Final floor covering
- OSB boards, thk=15 mm
- wood fibre thermal insulation boards, thk=35 mm
- OSB boards, thk=25mm
- rock wool insulation, thk= 100mm
- Steel sheet trays

In making MMHs, special attention is paid to the floor structure to prevent it from bending and create stable support. The floor layers consist of 10 cm-thick stone wool thermal insulation, with 25mm-thick OSB boards placed over it, 35 mm-thick wood fibre thermal insulation boards and a 15mm-thick OSB board as a base for the final floor covering. As standard equipment, the final floor covering for the living room and bedrooms is 12 mm-thick 33/AC5 laminate, while 1st class Italian ceramic tiles are designed for the bathrooms. Optionally, it is possible to order a floor made of natural wood (multilayer parquet) or granite tiles.

ROOF

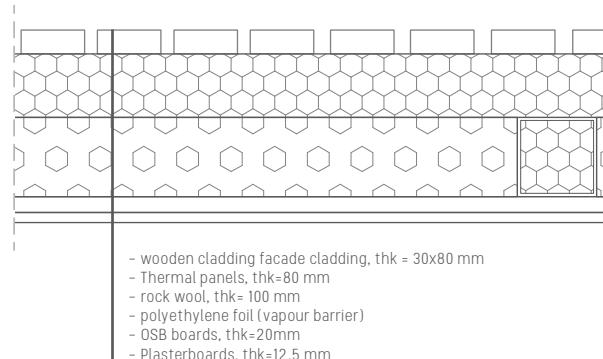


- PVC roof membrane, thk = 3 mm
- OSB boards, thk=25mm
- sloped wooden slats/ventilation layer
- wood fibre thermal insulation boards, thk=50mm
- OSB boards, thk=35mm
- rock wool, thk= 100mm
- OSB boards, thk=15mm
- Plasterboards, thk=12.5 mm

The roof covering is a 3 mm-thick PVC roofing membrane placed over a 25mm² thick OSB board slightly sloped towards the gutter. The room thermal insulation consists of 10-cm thick stone wool panels together with two OSB panels and a 50 mm-thick layer of wood fibre thermal insulation panels. The final covering of the ceiling is plasterboard on a metal substructure with an additional layer of 30 mm-thick Styrofoam thermal insulation. The total thickness of all roofing layers is 24 cm.

WALLS

- exterior facade walls



Exterior walls are made of prefabricated, 5 cm thick thermal panels. The internal, 10 cm-thick thermal insulation is made of stone wool over which a 12.5-mm thick final plasterboard coating is placed on a metal substructure to be finally smoothed and painted with a colour at the customer's choice. At an extra charge, the interior of the house can be furnished with wood panelling. The decorative cladding of the exterior wall is solid wood (Siberian larch or acacia) protected with special wood oils for outdoor use.

The total thickness of the wall thermal insulation is 17 cm.

The total thickness of the wall is 20cm.

- internal partition walls

The partition walls are dry-assembled from plasterboard with stone wool fill as a sound insulator, thk=10 or 15 cm. All interior walls are plastered and painted with semi-dispersive paint except for the bathroom walls, which are covered with ceramic tiles of top quality and supreme design.

EXTERIOR JOINERY

The standard equipment package of the building includes exterior joinery made of five-chamber PVC profiles by renowned European manufacturers, with double-layer thermal insulation glass and standard aluminium shutters. At the customer's request and an extra charge, it is possible to install six-chamber PVC or aluminium profiles with three-layer thermal insulation glass filled with argon. A special atmosphere of staying in MMH houses can be provided by 80 mm-wide "solomatic" blinds made of aluminium profiles, which as an additional package of electrical wiring can be equipped with wind sensors.





BATHROOM FIXTURES

MMH houses are equipped with supreme bathroom fixtures from renowned manufacturers worldwide. The hot water unit is equipped with wi-fi technology. As an additional equipment package, lovers of pure nature may order a biodegradable septic tank, as well as a service water tank with a pump.



HEATING AND COOLING

The standard equipment package includes heating via electric panel convector. Optionally, it is possible to install low-emission electric underfloor heating regulated by a WI-FI thermostat. In units located in temperate climate zones, it is possible to install inverter air-conditioners for heating and cooling.

KITCHEN

A fully equipped kitchen may be ordered as an additional equipment package.



ELECTRICAL WIRING

Electrical wirings are installed with double insulated conductors. All cables are placed in protective tubes. The distribution board with the RCD switch and fuses is located above the front door. General lighting is installed with LED strips placed in the dropped ceiling. All lighting fixtures are provided within the basic equipment package. The power supply of the unit is enabled through the industrial socket 32A, 3P. Optionally, for people who enjoy the combination of high technology and nature, there is a “smart” installation – voice or telephone control of all devices in the house via a special application. In addition, a completely independent power supply of the unit can be provided through generators or solar panels.



NOTES

MODULmobileHOMES

PROJECT MANAGEMENT
& DESIGN BY:



GRAD
PROJEKT STUDIO

MANUFACTURED BY:

METKON

PROJECT ASSOCIATES:



PROJECT SUPPORTED BY:





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