FOREST CAPSULE

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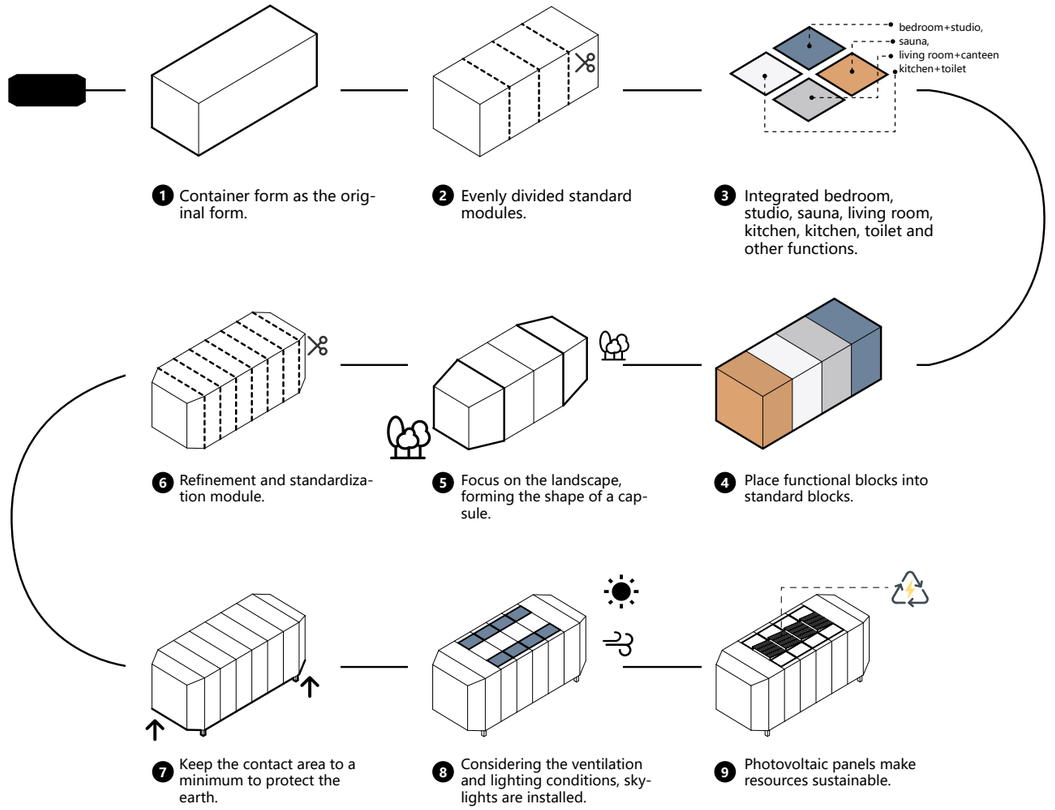
GENERATE IDEAS



1 Container form as the original form.

2 Evenly divided standard modules.

3 Integrated bedroom, studio, sauna, living room, kitchen, kitchen, toilet and other functions.

4 Place functional blocks into standard blocks.

5 Focus on the landscape, forming the shape of a capsule.

6 Refinement and standardization module.

7 Keep the contact area to a minimum to protect the earth.

8 Considering the ventilation and lighting conditions, skylights are installed.

9 Photovoltaic panels make resources sustainable.

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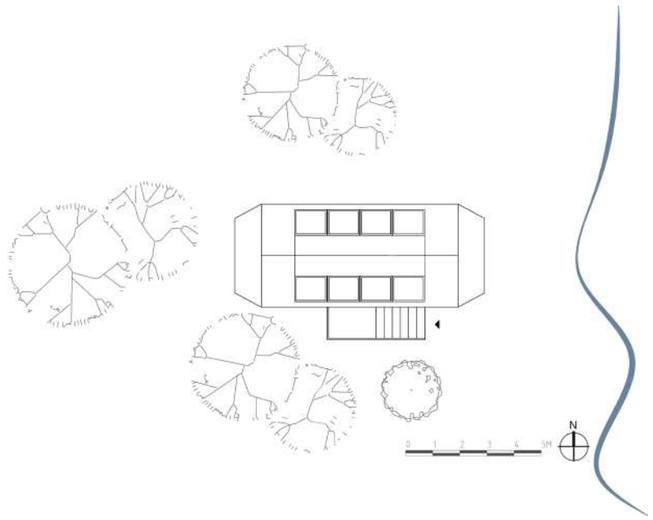
SITE PLAN

Tiny House is located in a national park in Northern Europe, backed by a forest and facing a lake. The park has a quiet environment, far from the noise of the city, cool in summer, pleasant in winter, and the aurora can be seen at special times of the year. It is suitable for people who want to escape the city, yearn for natural life or want to spend a leisure vacation. Tiny house for 2 to stay here for a week or so rest.



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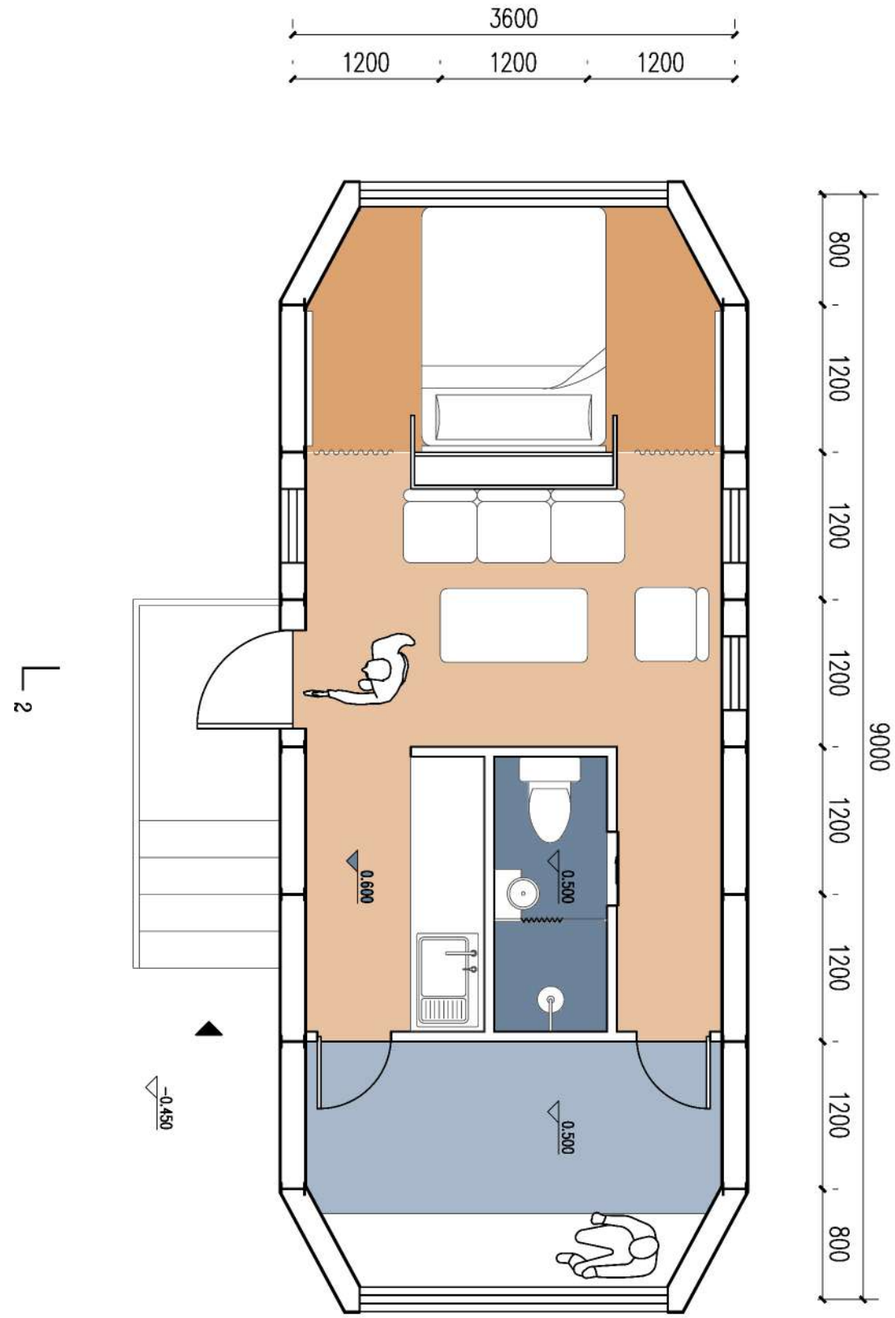
FIRST PLAN 1: 50



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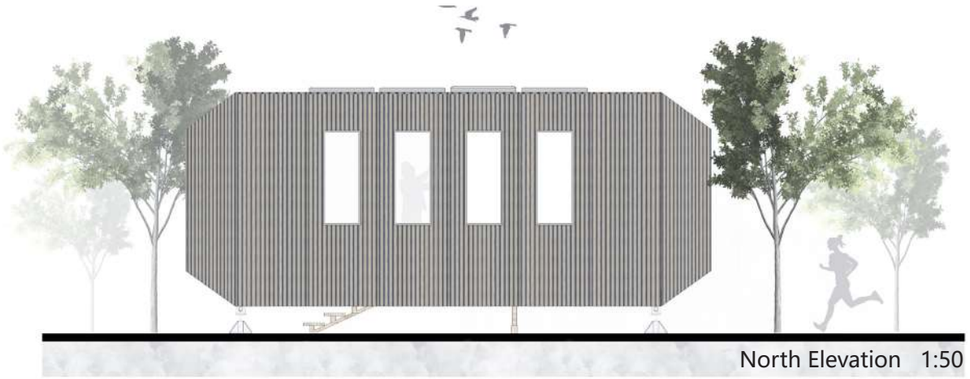
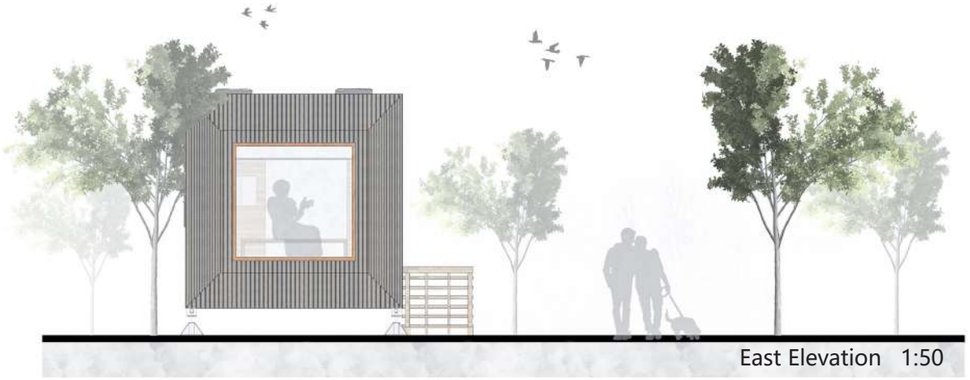
ELEVATION

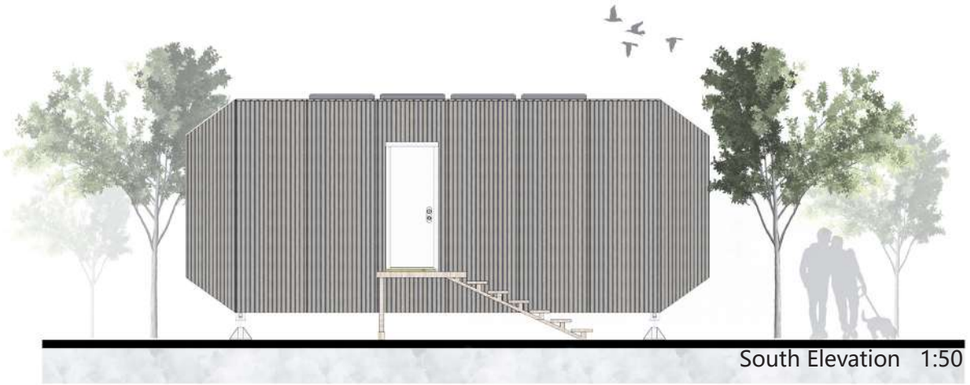


North Elevation 1:50



East Elevation 1:50

West Elevation 1:50



South Elevation 1:50

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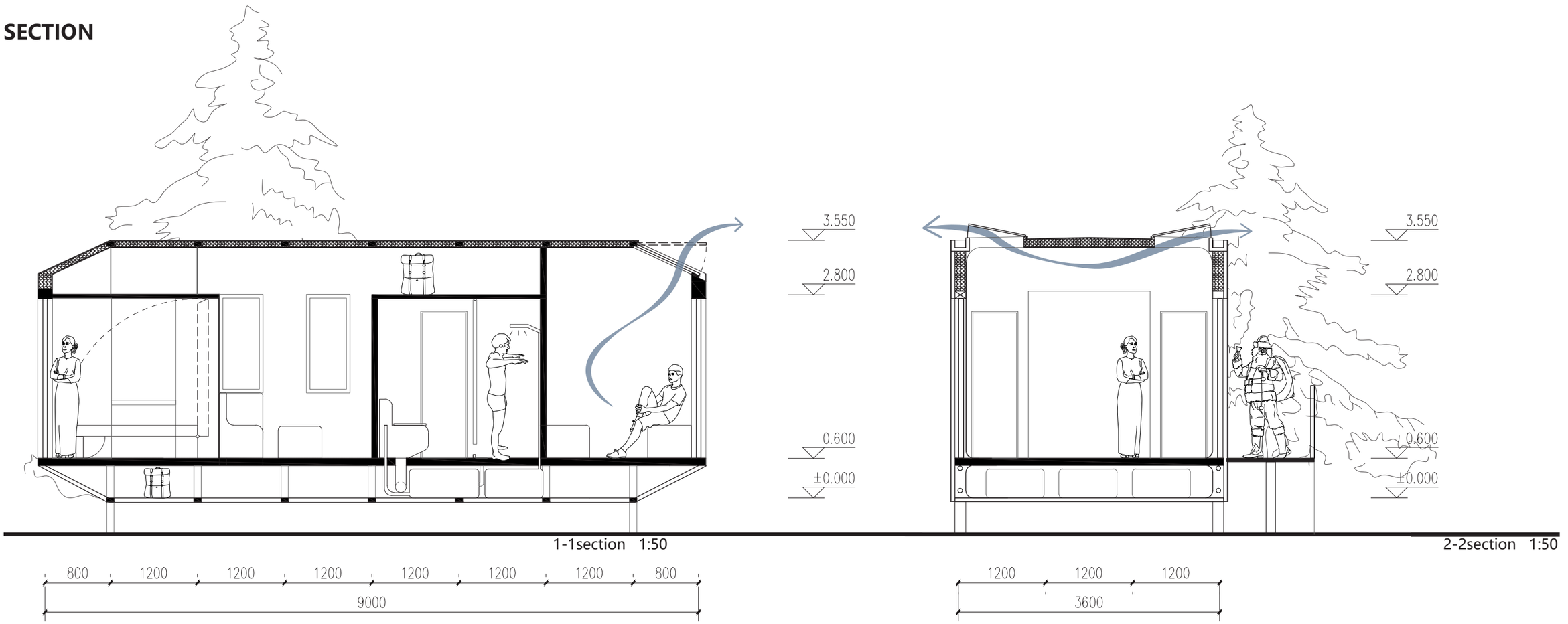
INTERIOR RENDERINGS

SECTION



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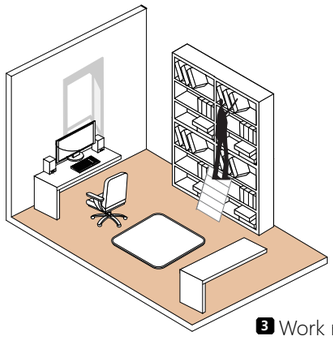
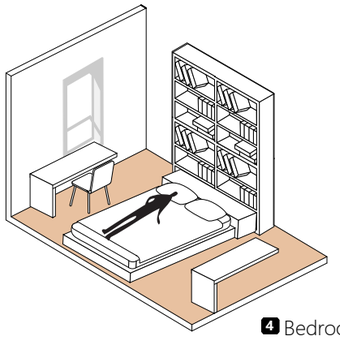
THE VARIABILITY OF FUNCTIONAL MODULES

1 Living room

2 Living room&Dining room

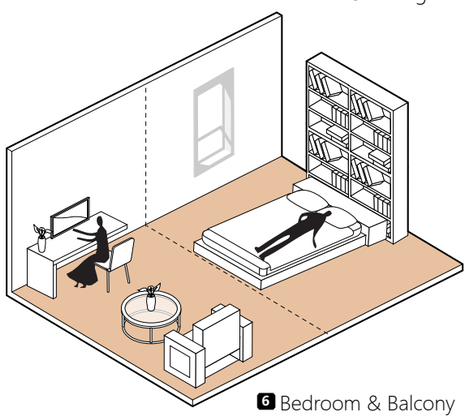


3 Work room



4 Bedroom

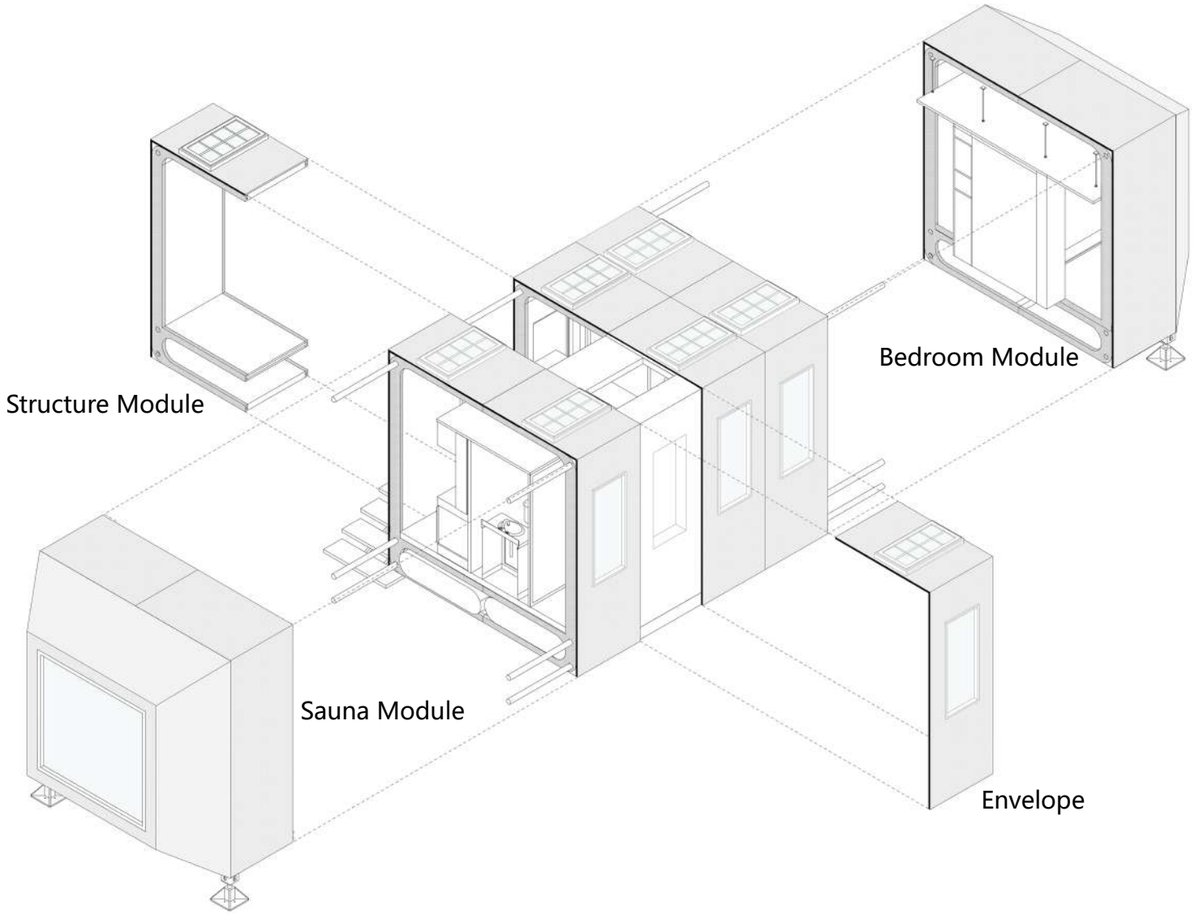
5 Kitchen & Dining room & Bath

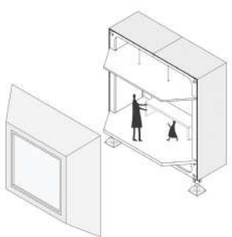


6 Bedroom & Balcony

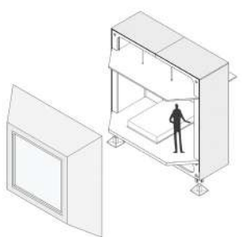
7 Party

COMBINATION OF FUNCTION MODULES

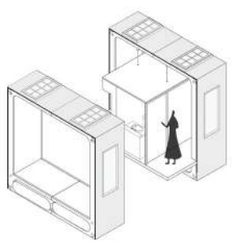




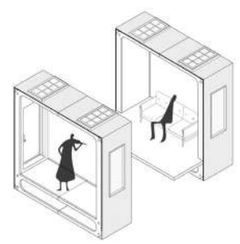
Sauna Module



Bedroom Module



Kitchen & Bath Module



Living & Dining Module

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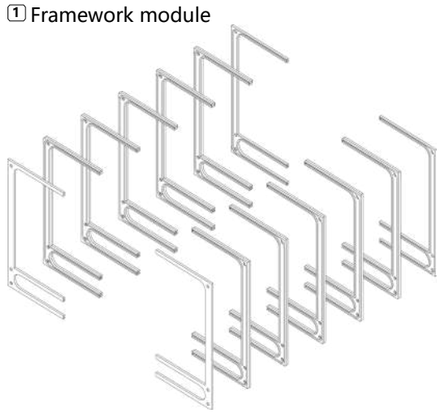
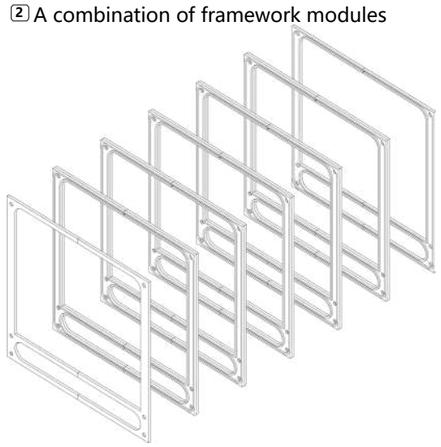
STRUCTURE ANALYSIS

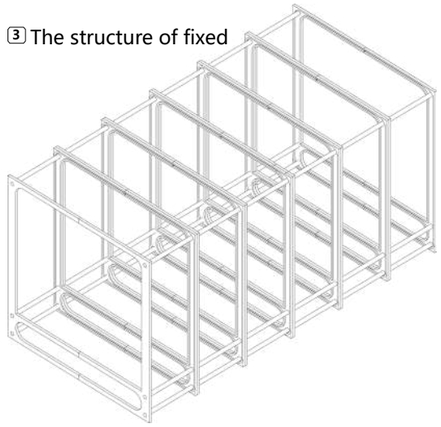
1 Framework module



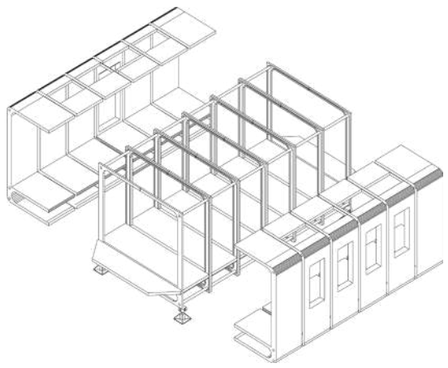
2 A combination of framework modules



3 The structure of fixed

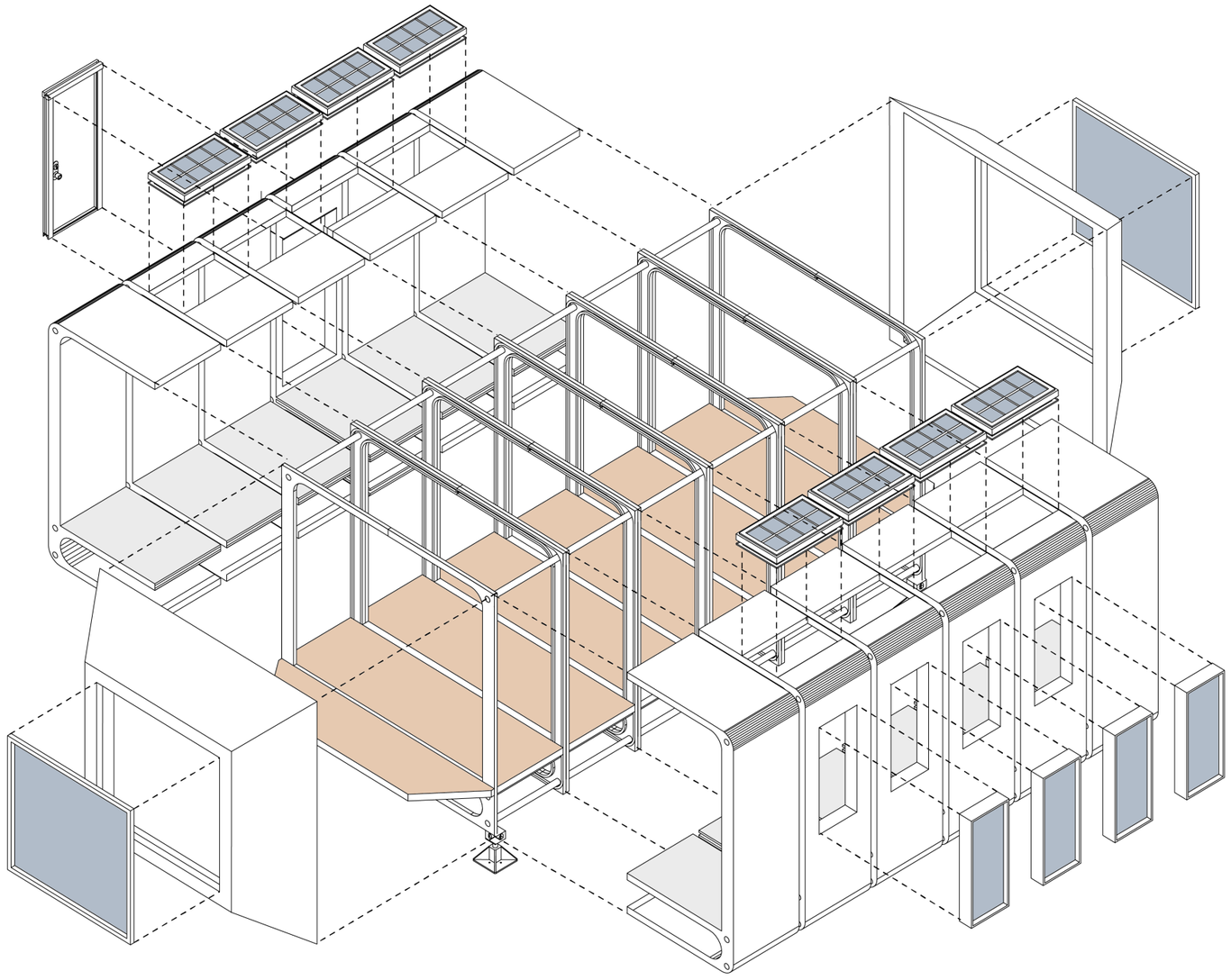


4 Retaining structure

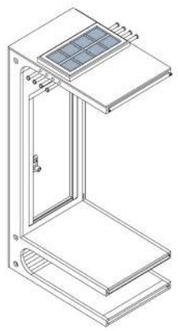


TINY HOUSE DESIGN CONCEPT AND GENERATION PROCESS

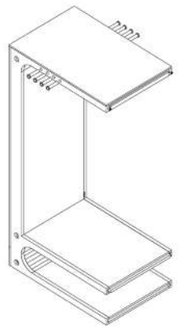
The enclosure, the steel frame and the main body form a structural module with a cavity layer at the bottom. Two or more structural modules form the main part of different functional modules. Modularity features great efficiency and flexibility in product manufacturing, transportation, assembly and construction.



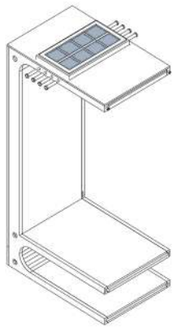
SINGLE STRUCTURAL MODULE



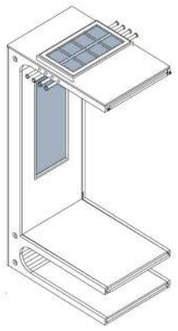
Skylight &door
Length: 1800 mm
Width: 1200 mm
Height: 3600 mm



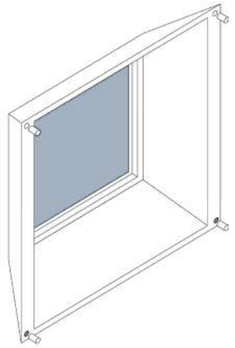
Wall



Skylight

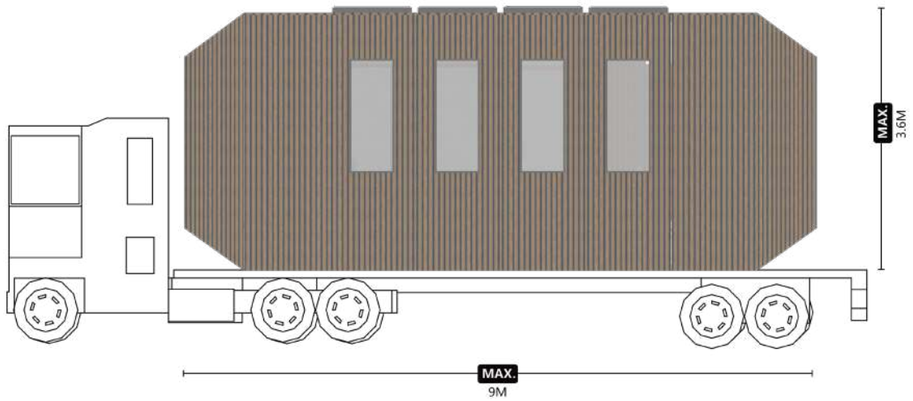


Skylight &window



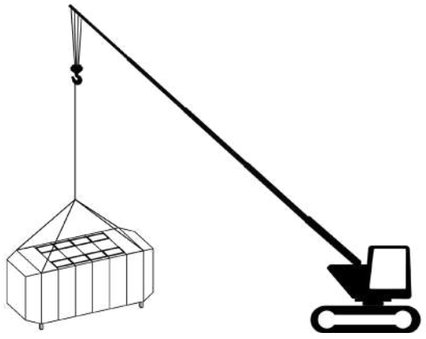
Skylight + door
Length: 3600mm
Width: 600 mm
Height: 3600 mm

THE MODE OF TRANSPORTATION



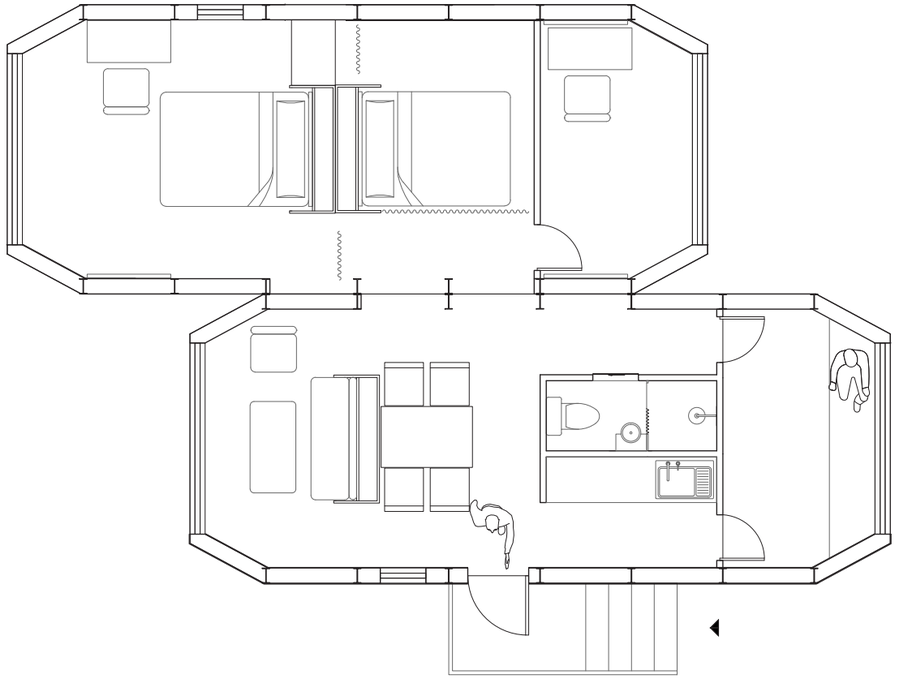
LIFTING WAY

The tiny house is transported by truck and hoisted by crane on site. The hoisting point is located at the four corners of the box.



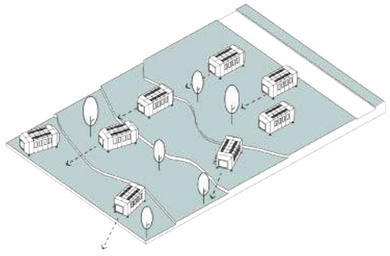
Combination mode between modules

Through the flexible combination of modular units, a variety of space types are formed to meet the different needs of the users (such as the number of people, types, types of activities, etc.). The specific method is realized through the adjustment of structural modules.

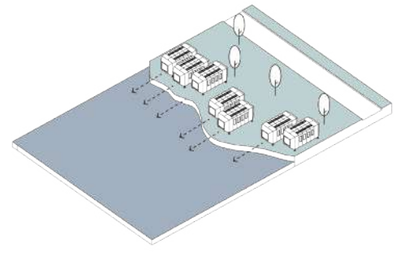


GROUP LAYOUT

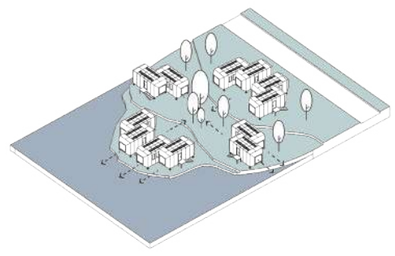
Modular units are arranged in different groups according to the environmental characteristics of the building, forming a rich and interesting space. To adapt to the needs of different activity scenarios.



1.Point layout



2.Strip layout



3.Enclosed layout