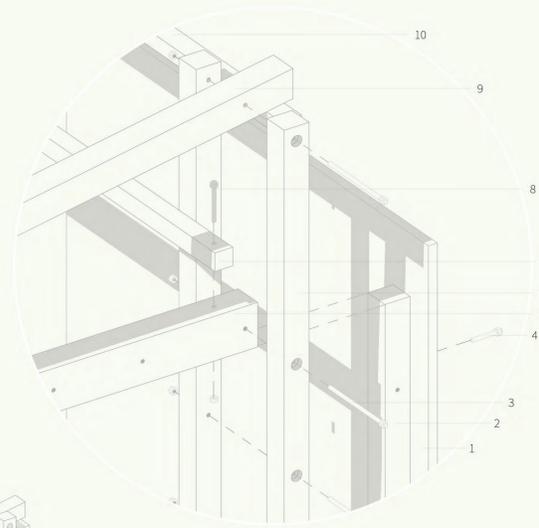
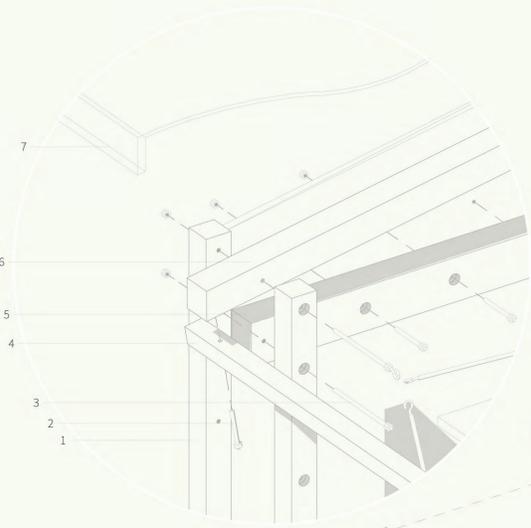




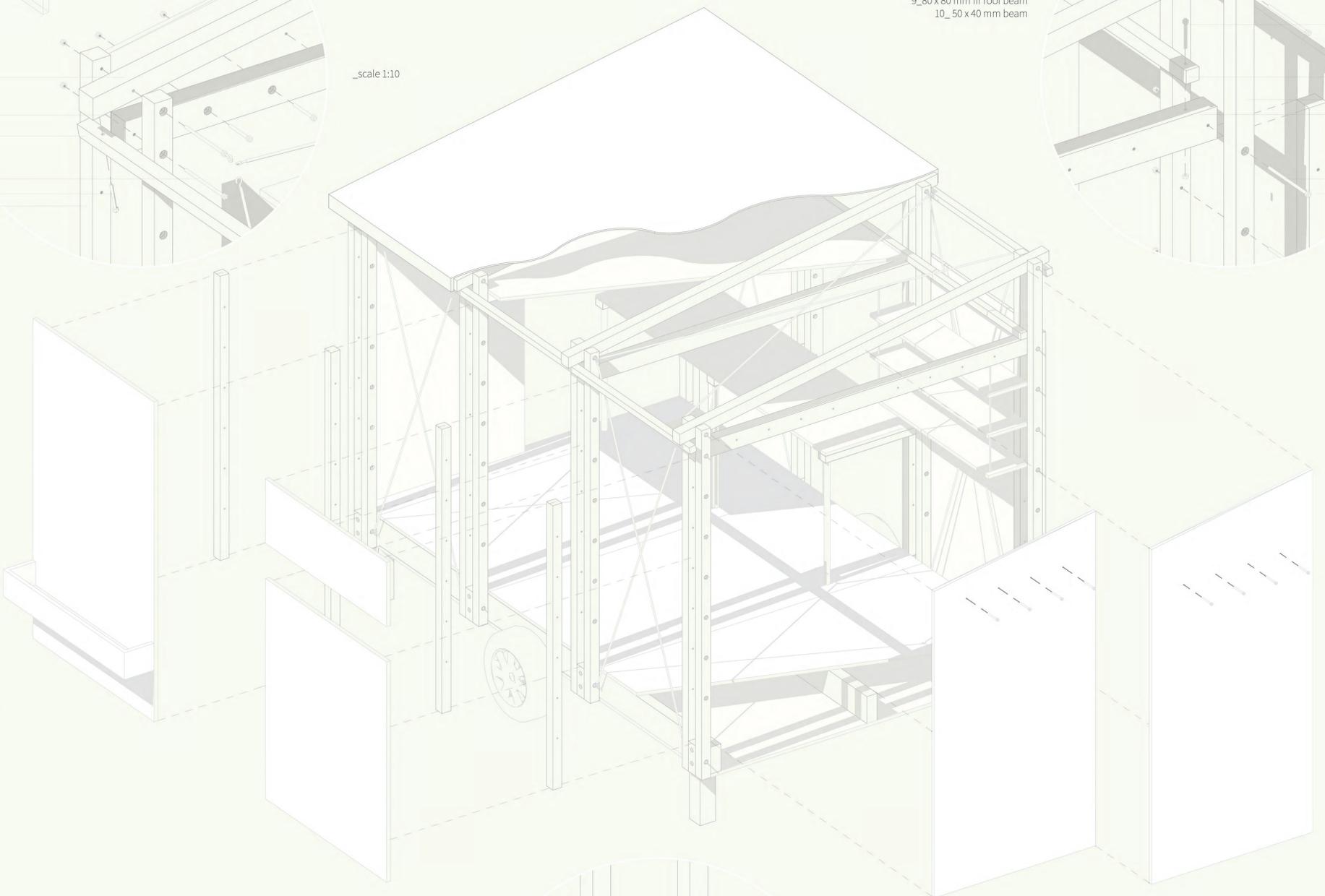
- 1\_ 70 x 70 mm double fir post
- 2\_ 10 ø x 100 mm steel bolt
- 3\_ rope windbracing 10 ø mm and steel hook
- 4\_ 50 x 40 mm fir beam
- 5\_ 80 x 120 mm fir beam
- 6\_ 80 x 80 mm fir roof beam
- 7\_ roof sheeting fixed to number 4

- 1\_ possible cladding board
- 2\_ 70 x 70 mm fir post for cladding
- 3\_ 10 ø x 230 steel bolt
- 4\_ screw 70 x 8 ø mm
- 5\_ 80 x 120 mm fir beam
- 6\_ 70 x 70 mm fir post
- 7\_ 50 x 40 mm fir beam
- 8\_ 10 ø x 180 mm steel bolt
- 9\_ 80 x 80 mm fir roof beam
- 10\_ 50 x 40 mm beam

\_scale 1:10

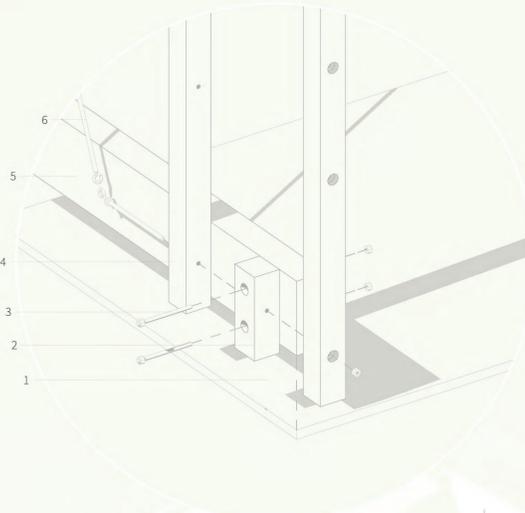


\_scale 1:20



The project revolves around the idea that a temporary 10 m<sup>2</sup> module should be flexible enough to respond to the users' needs so that whoever uses it can shape it as they wish. Feasibility, speed and reversability; these are the key factors we focused on. What if these 10 m<sup>2</sup> could be packed into a box on wheels to make transport easier, protect it from weather conditions and take up less space? How could we achieve such a goal? By folding these 10 m<sup>2</sup> into a few smaller pieces that could then be assembled in no time. There are almost infinite ways to customise and shape these modules to your needs.

The axonometric view at the bottom of the panel tries to convey an overall idea of how the units could be put together for the Periferica festival. The same we tried to do with the postcard. This temporary space should be for young professionals and artists, workshops and festivals so we wanted to illustrate this through few layered and specific images and put them into an ideal context.

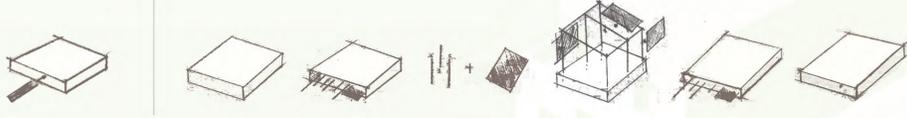


- 1\_ 25 mm thickness flooring board, dimensions 1250 x 2500 mm
- 2\_ 70 x 80 x 225 mm fir block for foundation
- 3\_ 10 ø x 150 mm steel bolt
- 4\_ 70 x 70 mm fir beam
- 5\_ 200 x 80 mm fir beam for foundation
- 6\_ rope windbracing 10 ø mm and steel hook

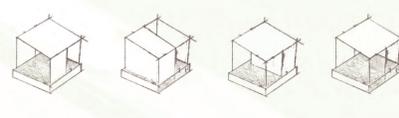
foldable structure



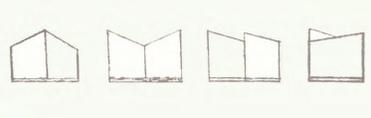
unit concept



flexible layout



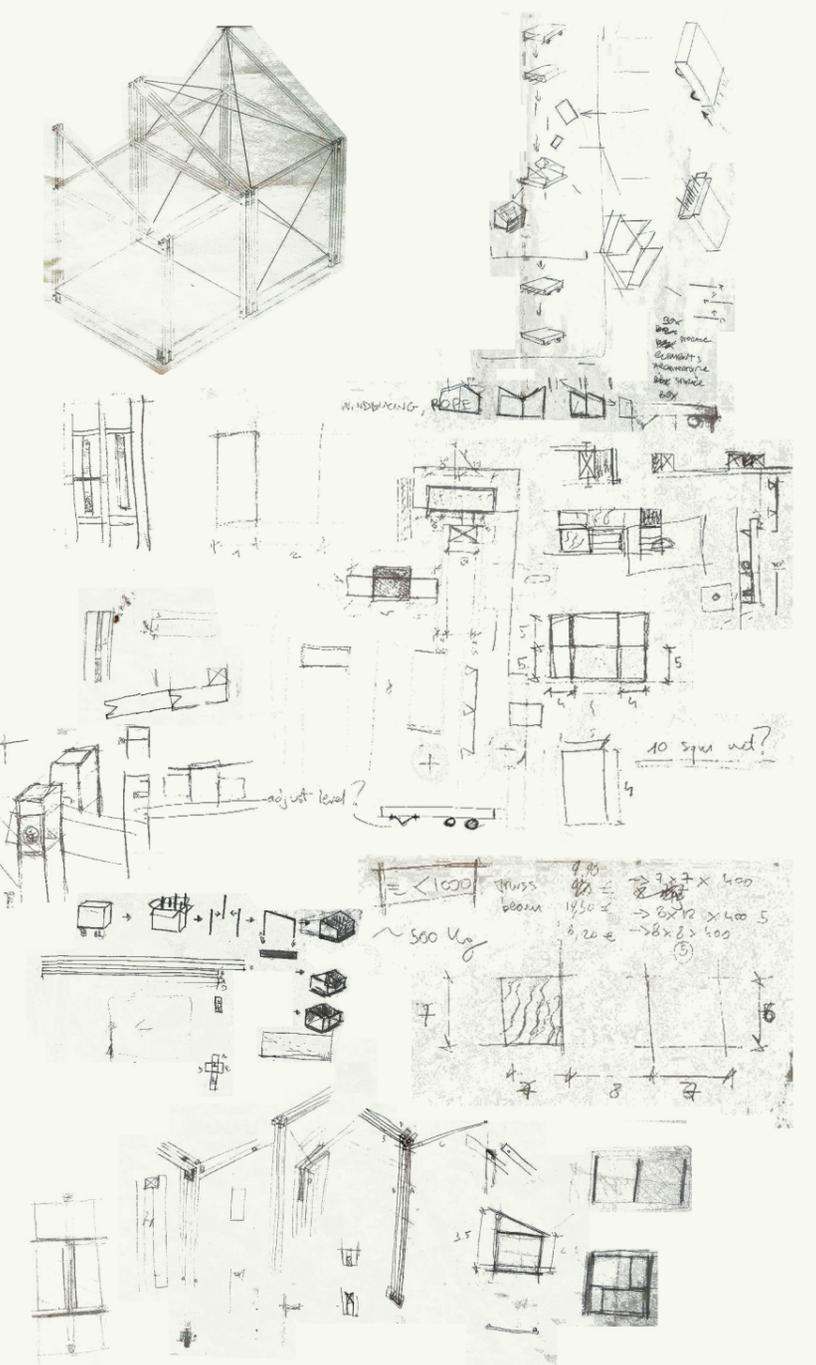
multiple unit layout



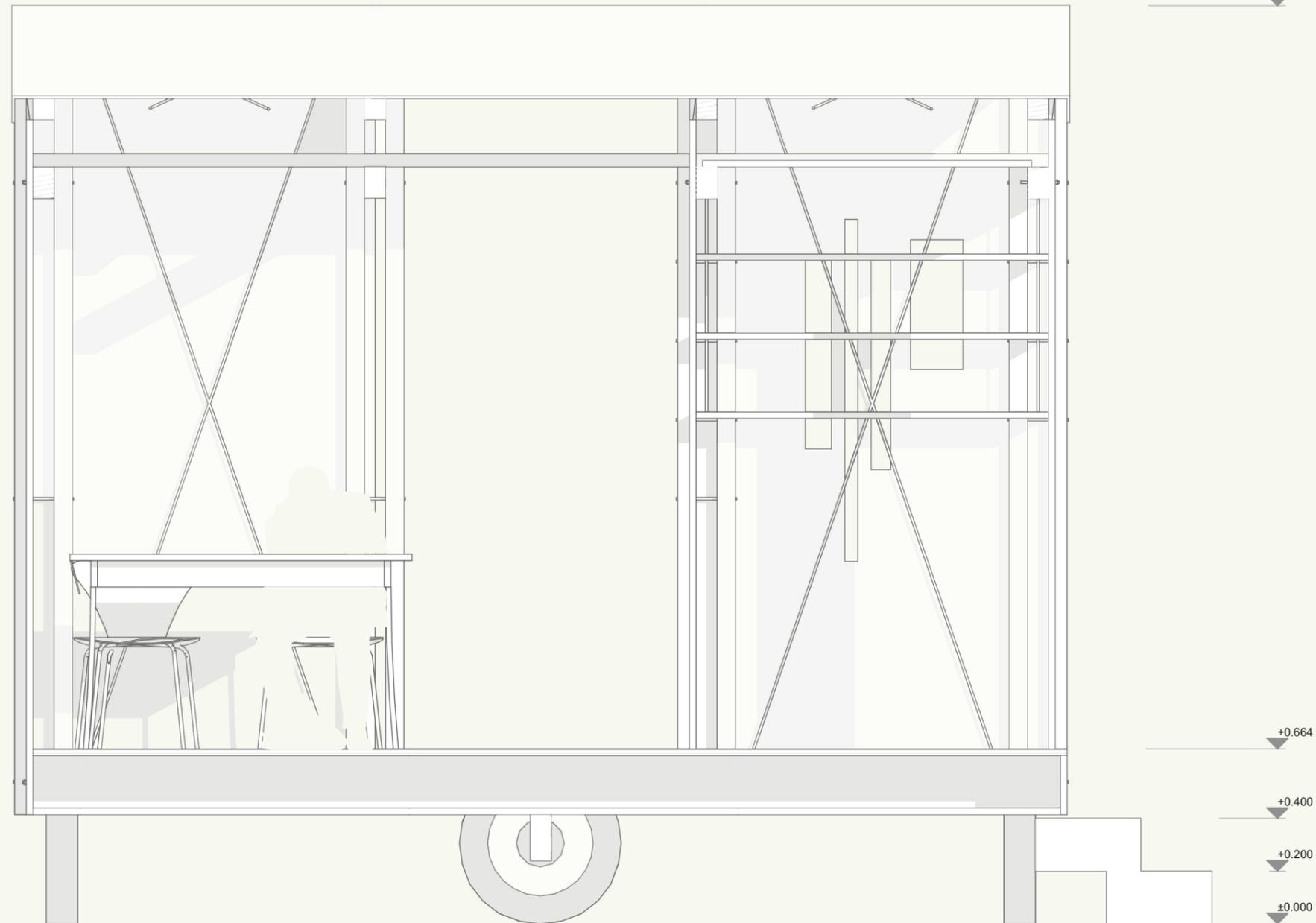


\_scale 1:50

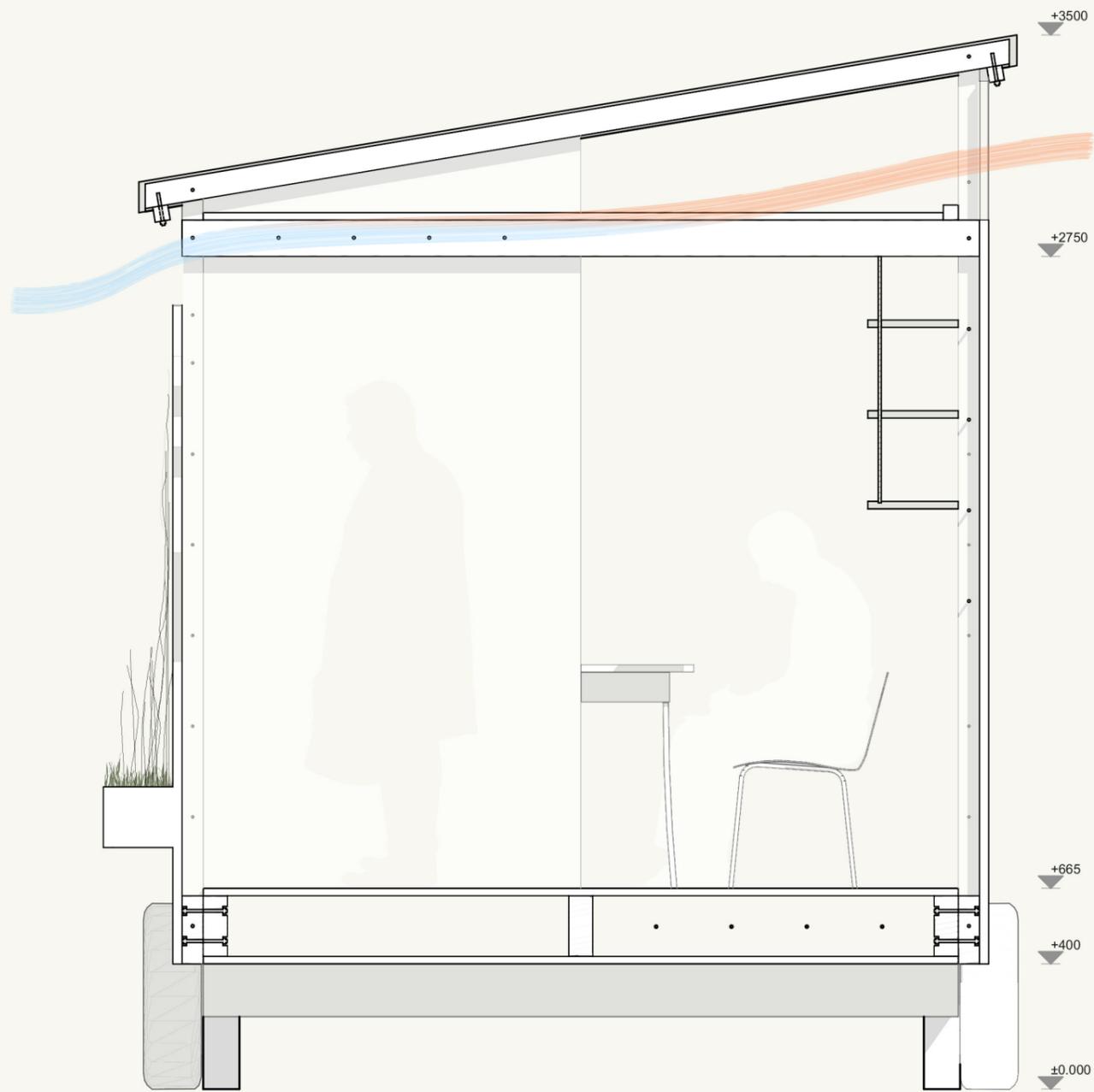
The section and elevations show a possible final design of our temporary shelter. The connection system allows many different materials, patterns and dimensions to be used as cladding. For this reason we chose to leave the drawings very conceptual and basic in style thus avoiding too much of a fixed image for the module.. Furniture can also be part of the structure, as it can be fixed to it and possibly generate diferent layouts. These sketches show an intermediate state of our design process.



The lowest sketch is a preliminary sketch of the structural element. The top ones show the dimensions of it once folded on itself, while other drawings show the connection between the cladding and the structure. There are also some notes on price and weight evaluation.



\_scale 1:20



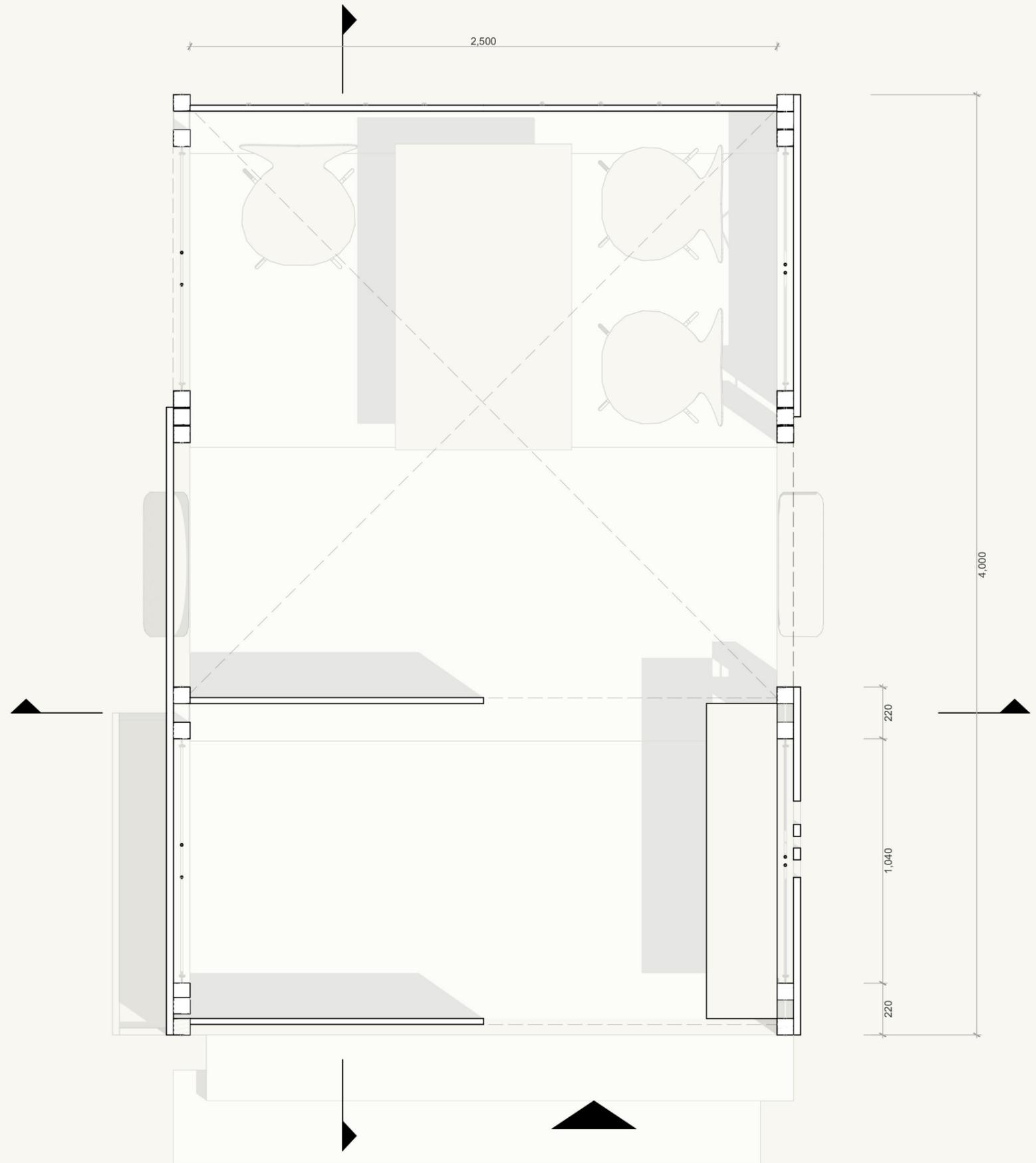
The plan is an example of one of the several layout possibilities that the module may have. Flexibility is not only an advantage of the facades but also of the partition walls, if these are necessary.

In this case, we decided to separate our 10 m<sup>2</sup> into an entrance room with an overhead storage level and a workspace.

The section illustrates the climate concept of the unit. Thanks to openings at the top of the cladding boards, natural air can flow through the building. This allows good ventilation and air renewal: the hot air that naturally tends to accumulate towards the ceiling leaves through the opening and sucks fresh air in.

Vegetation is not only a pleasant sight but could also be another improvement on thermal control.

\_scale 1:20



## Giuria

The project revolves around the idea that a temporary 10 m<sup>2</sup> space for hospitality must be flexible. The shelter must react to the users' needs so that whoever uses it can shape it as they wish. This flexibility must be achieved both in terms of construction and from a financial point of view, thus our design process followed two parallel lines of thought.

On the one hand, we focused on feasibility, speed and reversability of all the building phases, from the small elements to the overall system. Everything starts from a box on wheels, which is our foundation level after minor groundworks and also stores all the elements necessary to build our 10 m<sup>2</sup> unit. Using bolted connections, the structure, a simple trilateral element made of two double posts and a beam, can be unfolded, folded and stored back into this box. By splitting each post into two smaller ones, all these elements can fold in on themselves into one, improving lightness with no loss in stability. It also means that our 10 m<sup>2</sup> can be mounted and dismounted quickly and easily.

This same structure can be repeated up to 4 times according to the functions required. A further smaller level can be created with separate beam elements to fulfil storage needs and improve climatic performance. Furthermore, bolted connections and the cladding system reduce woodwork to a minimum to ensure reversibility and reuse of the construction materials.

Feasibility was key to developing a prototype that would not only look good but also work well and be easily affordable. In fact our second concern was feasibility from a financial point of view. We tried to shape our project around affordability and the final evaluated price of our design is based on the true market value of the materials in common DIY stores and material retailers.

Finding an answer to local climatic conditions and sustainability were also our concerns. We suggest a high quality material for the roof to guarantee durability and waterproofing. The pitched configuration and the space created between the roof and walls creates a natural draught that allows air renewal and good ventilation. The particular connection system allows the user to collect site-specific material and reuse it to give an individual character to each unit. The same can be said for the inner side of the wall which can be adapted to different needs. This leads to an almost infinite configuration of elevations and layout. The shelters can be used as standalone units or work together. They can be placed close together and with different layouts create an ever-changing arrangement for the festival. At the same time the wooden structure and its shape are strong design features and give a unifying look to the festival or any other other events these modules may host.

Finally, we adopted a realistic architectural approach. The real beauty of the module will be a product of the people who benefit from its flexibility.

## Rete

The project revolves around the idea that a temporary 10 m<sup>2</sup> module should be flexible enough to respond to the users' needs so that whoever uses it can shape it as they wish. This realistic approach aims at an architectural design which is both efficient and affordable for everyone.

Feasibility, speed and reversibility: these are the key factors we focused on. What if these 10 m<sup>2</sup> could be packed into a box on wheels to make transport easier, protect it from weather conditions and take up less space? How could we achieve such a goal? By folding these 10 m<sup>2</sup> into a few smaller pieces that could then be assembled in no time.

Flexibility means that there are almost infinite ways to customise the units and give each one a different individual character. The units can be independent or arranged in an endless variety of combinations to suit Periferica but also any other event. The real beauty of the module will be a product of the user, who benefits from it and continuously improves it to suit his purpose.