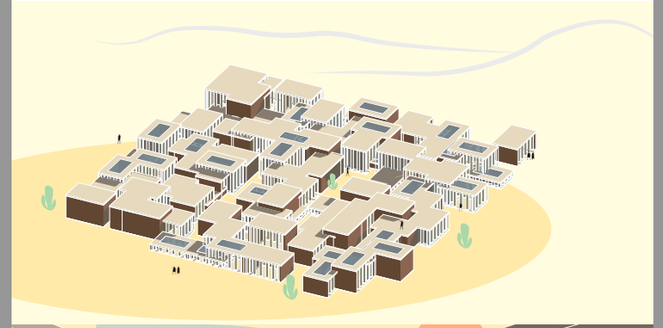
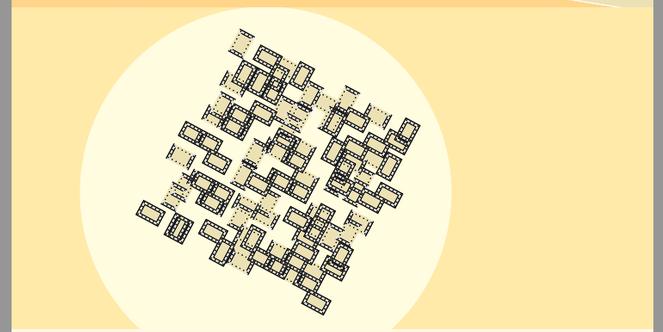
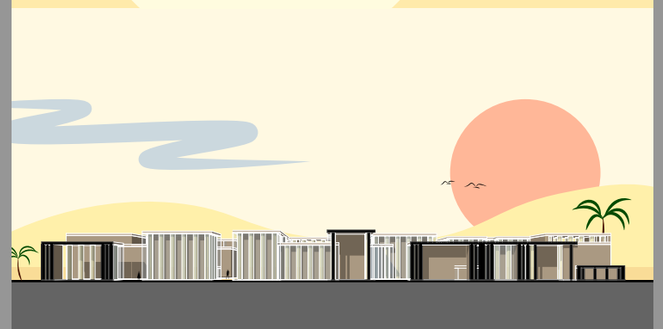
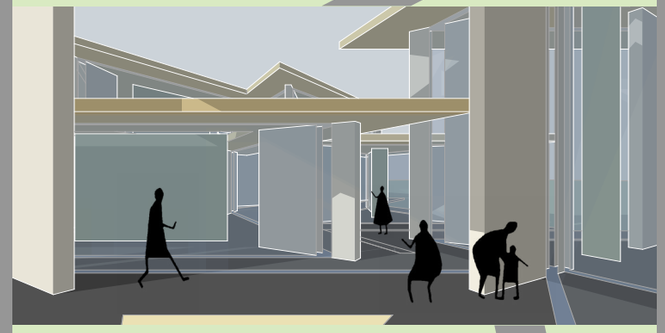
SPACE STUDY | SETS

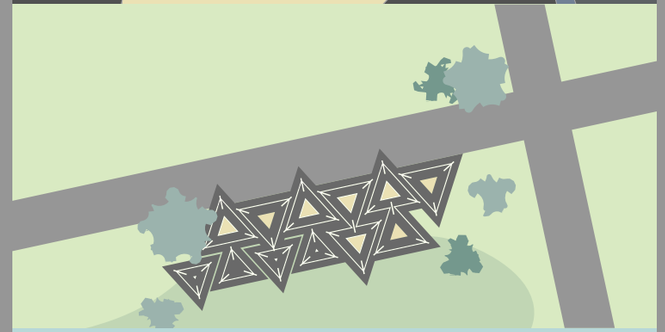
Among what I made, I picked 3 sets of the most satisfied ones. These sets show how interesting and amazing outcome in architecture we can get through the object we made and the approach we learnt.

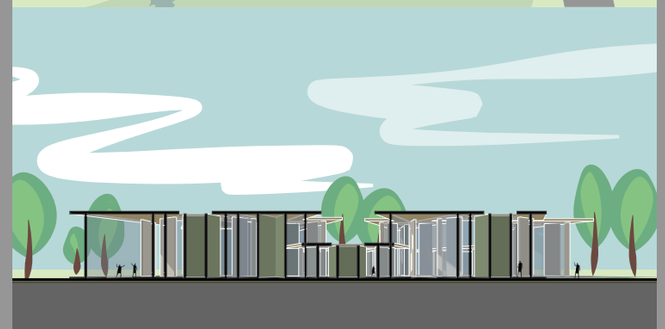


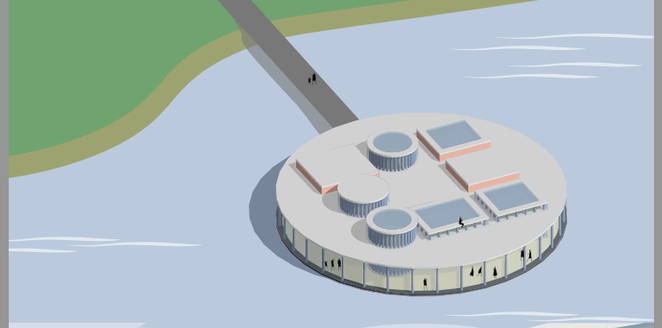


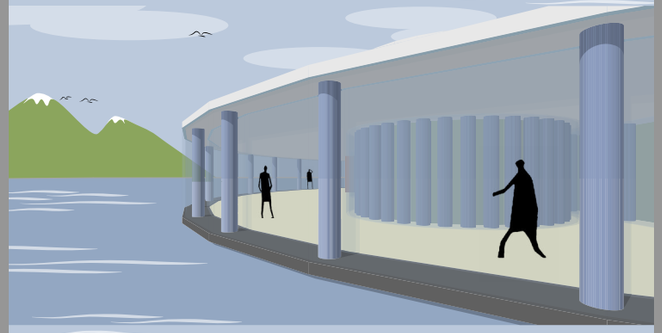


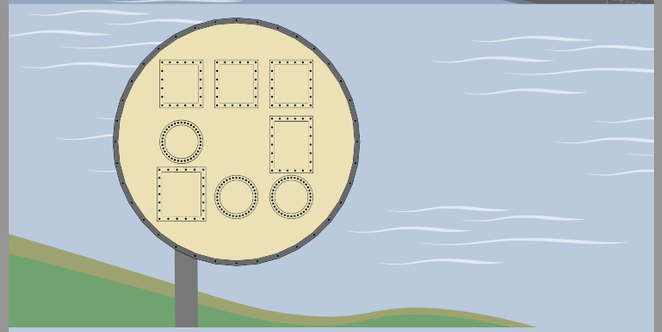


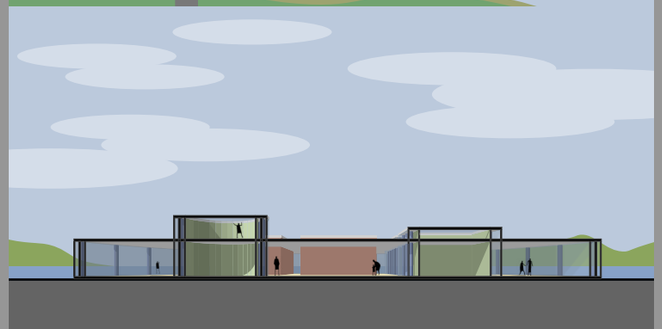


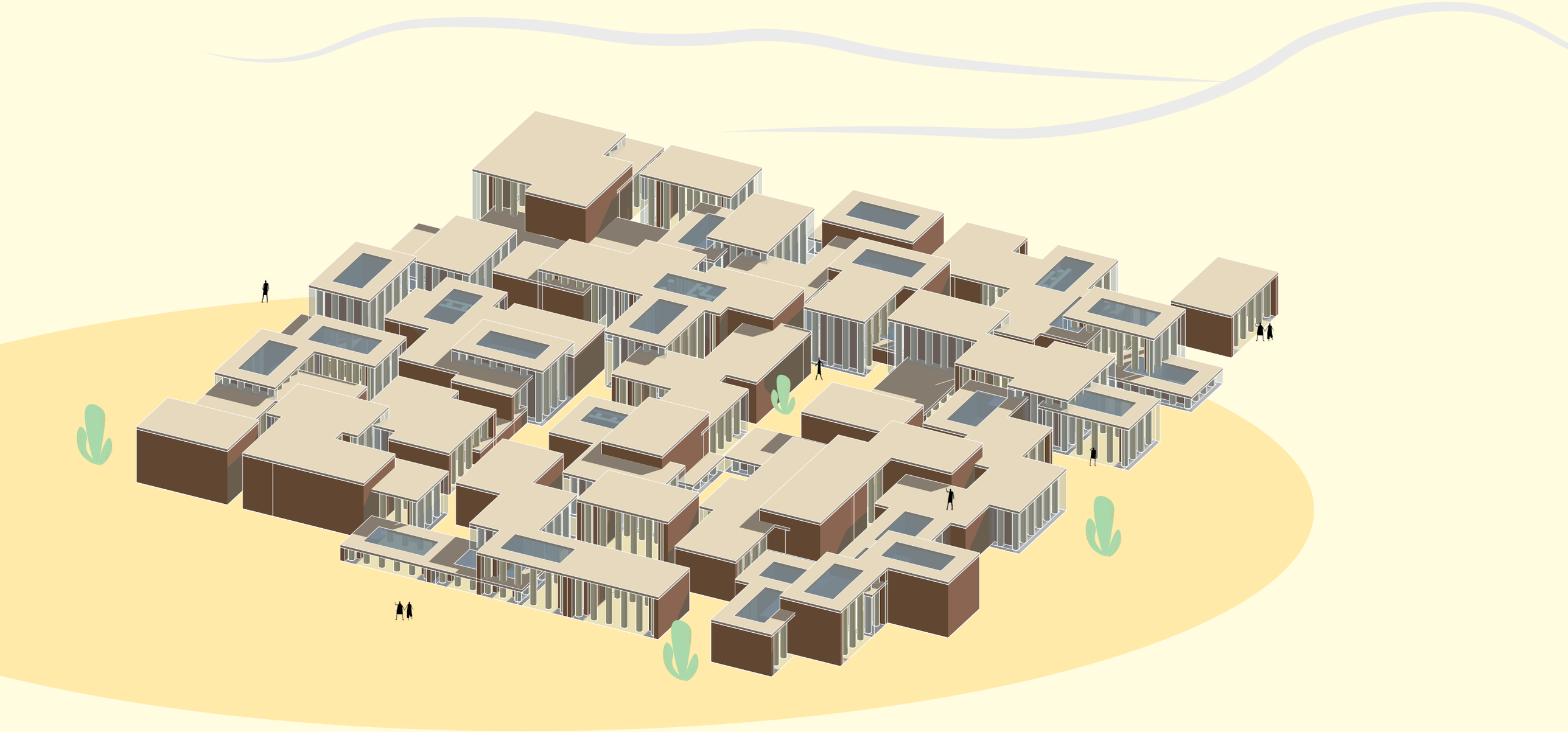


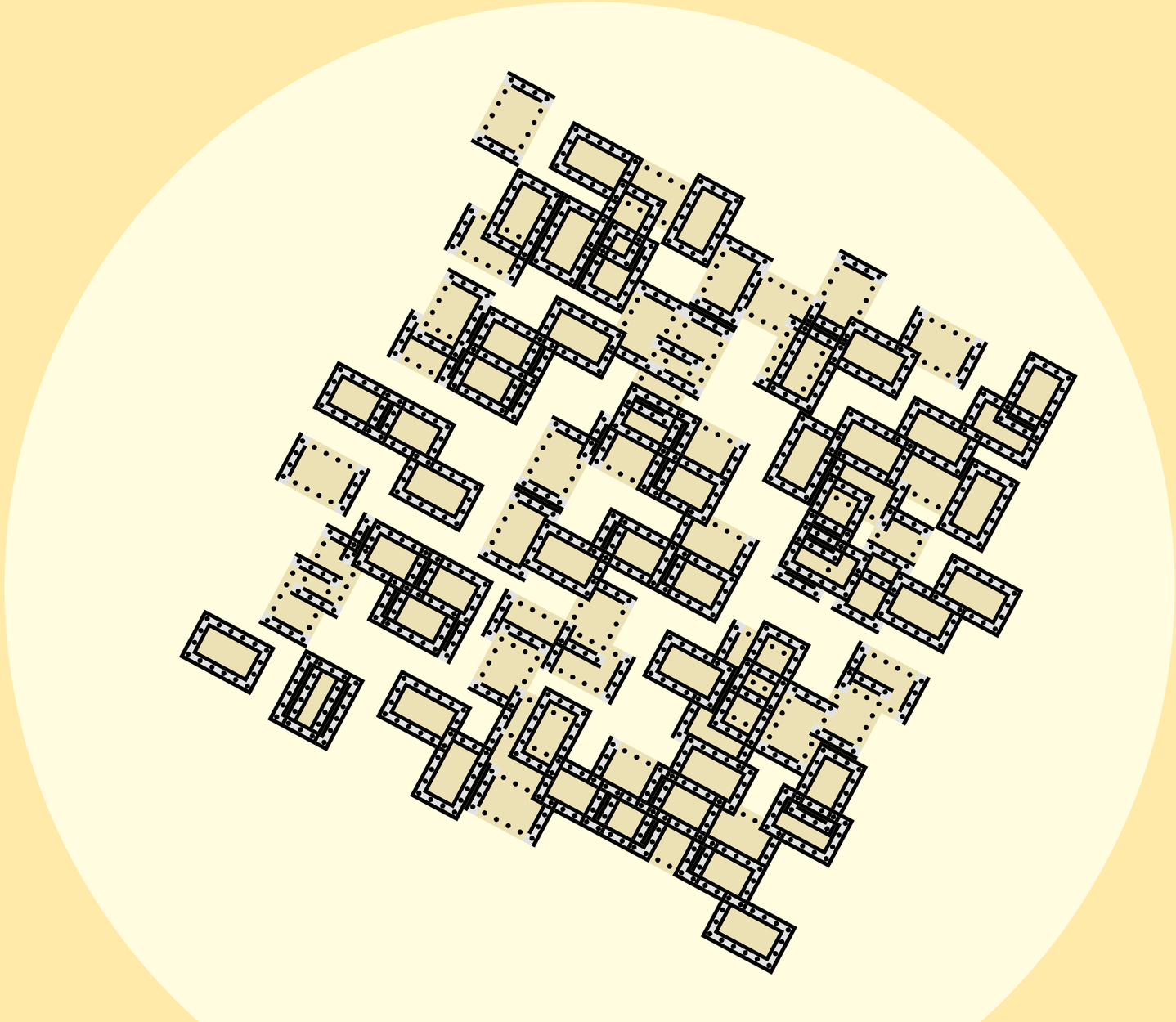


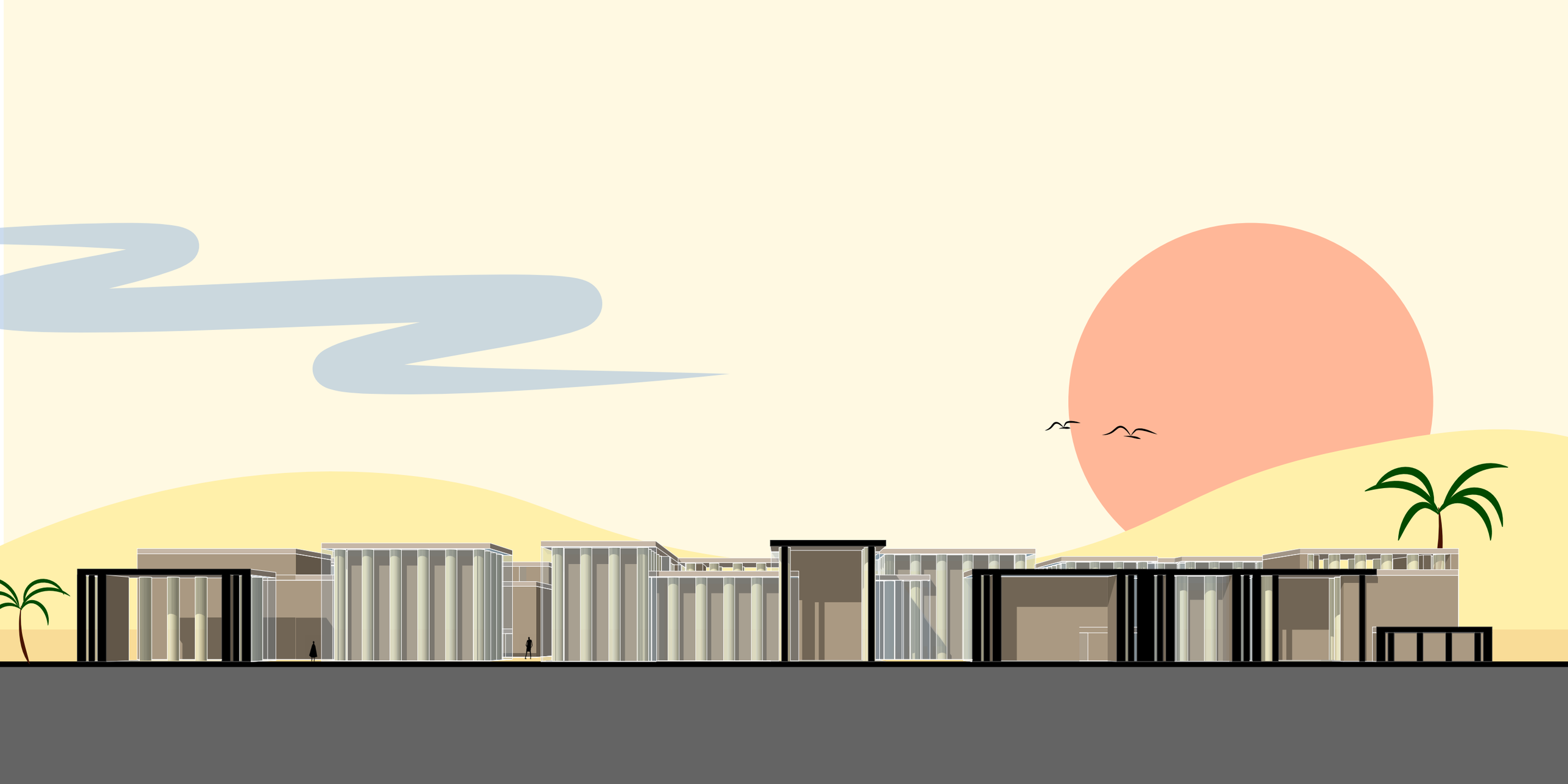


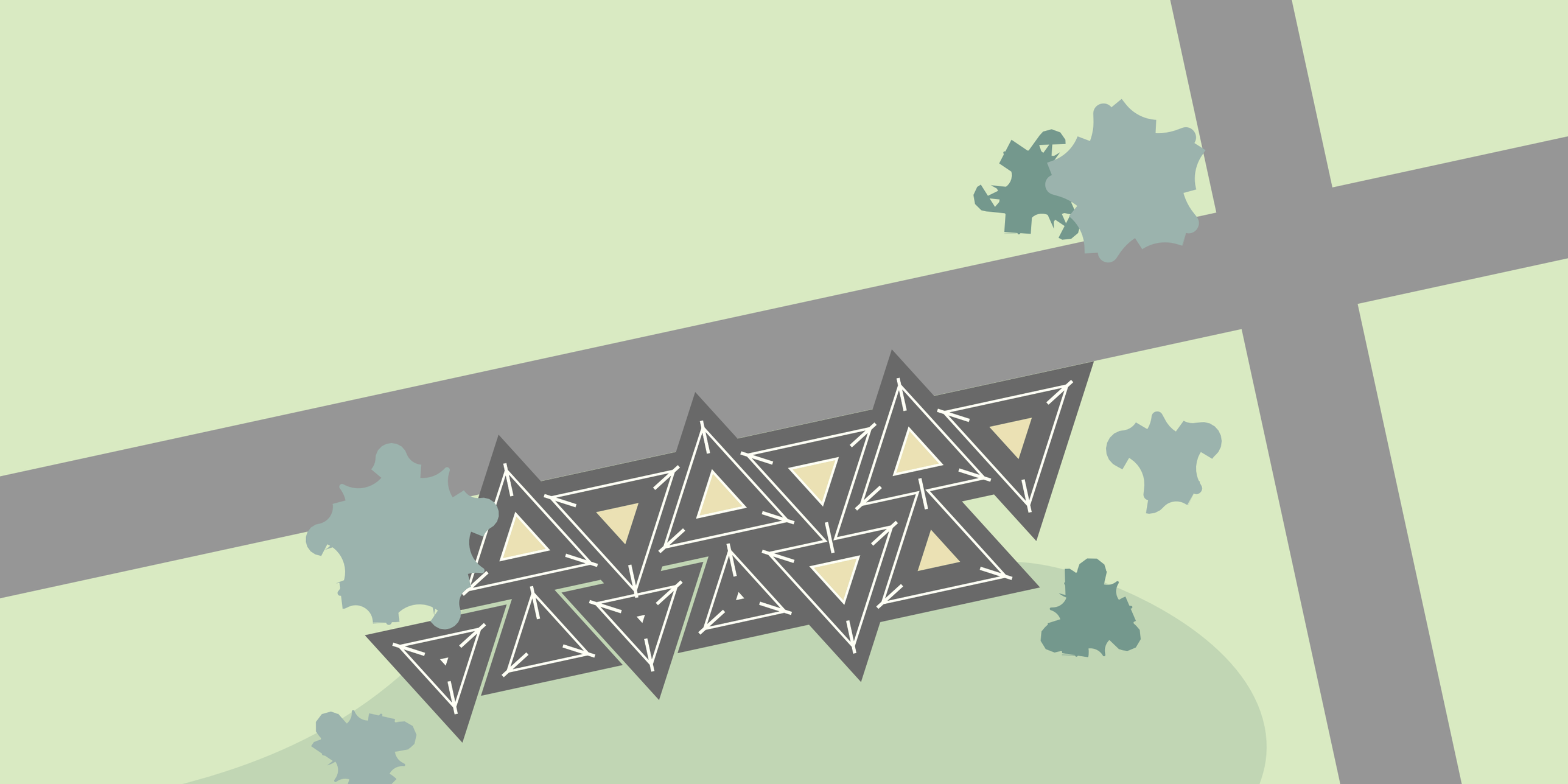


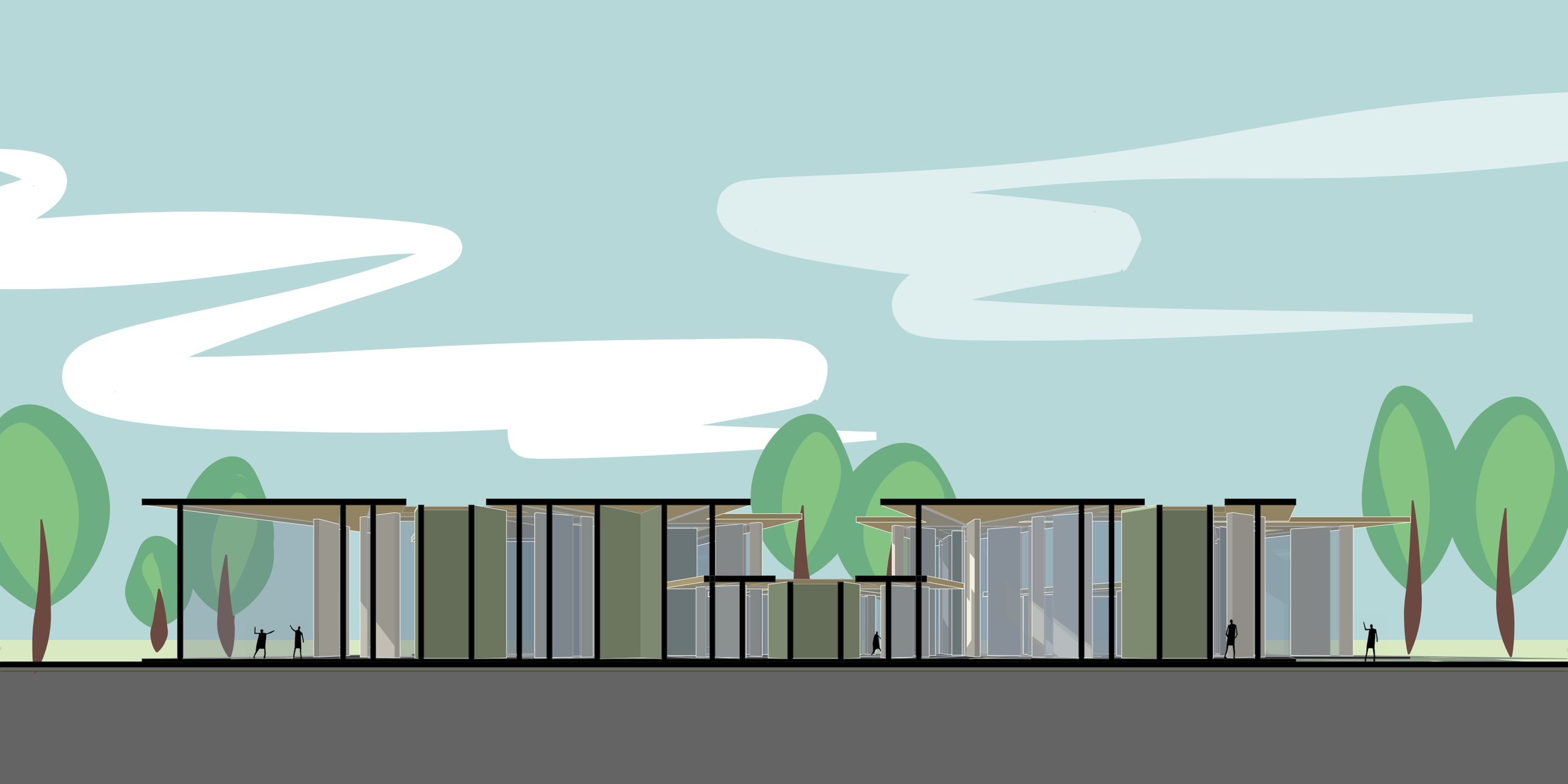


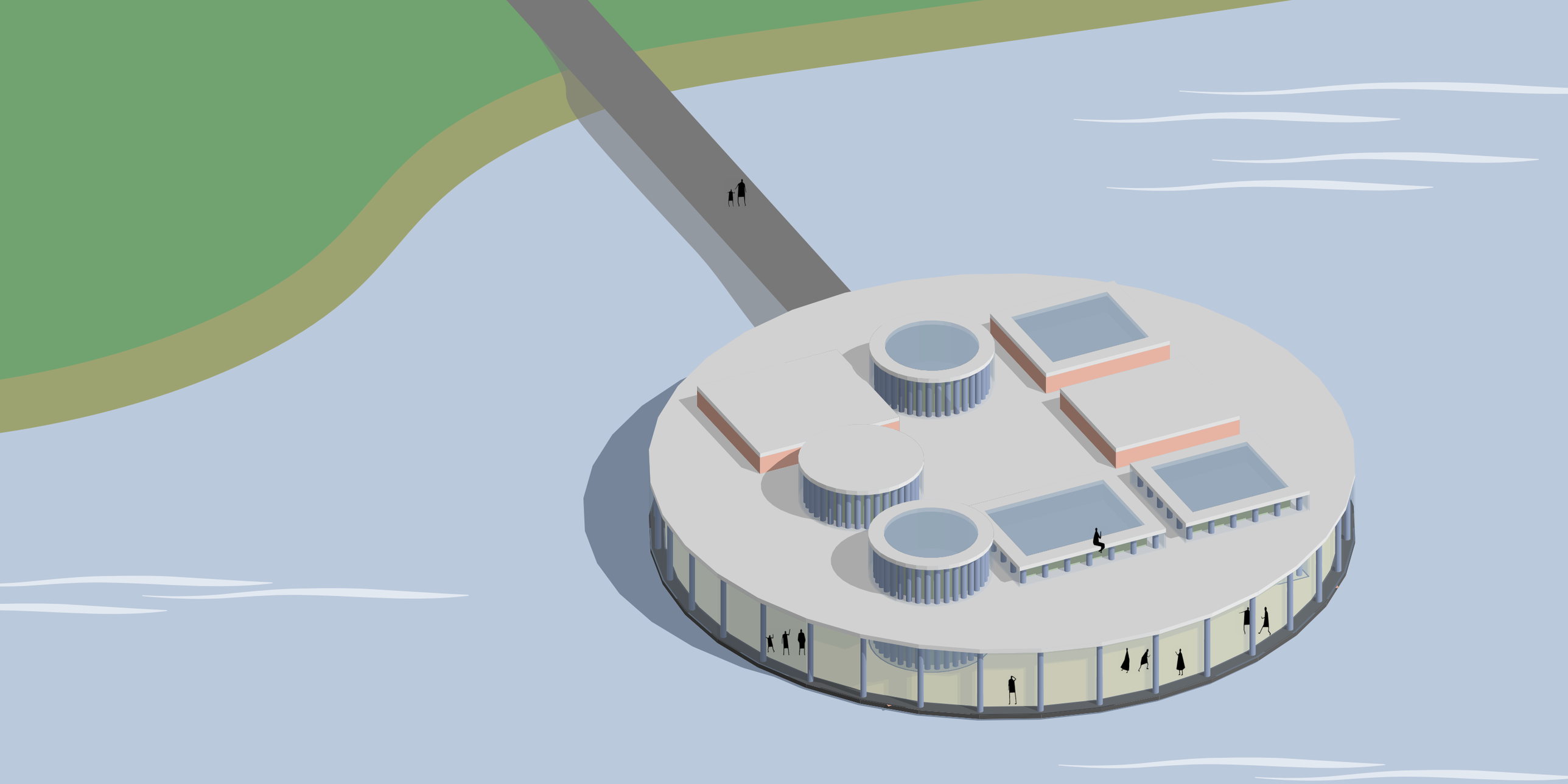


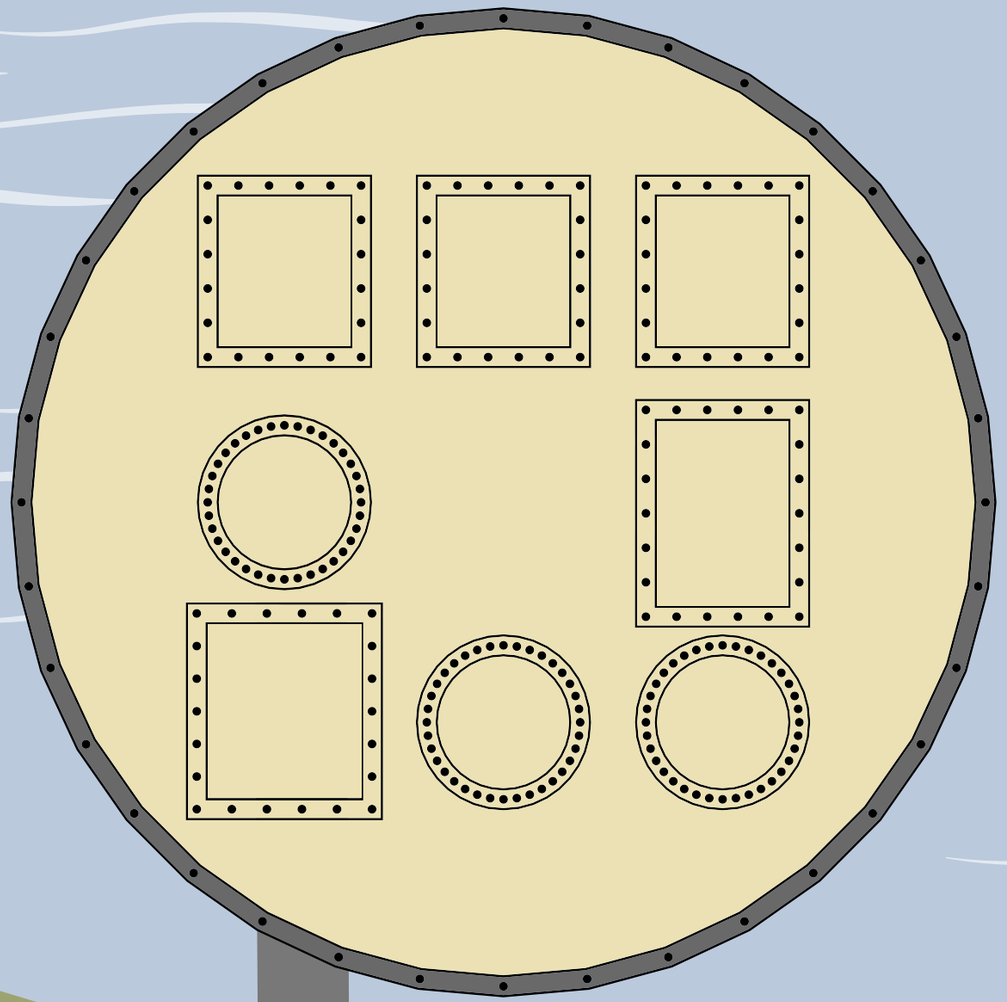


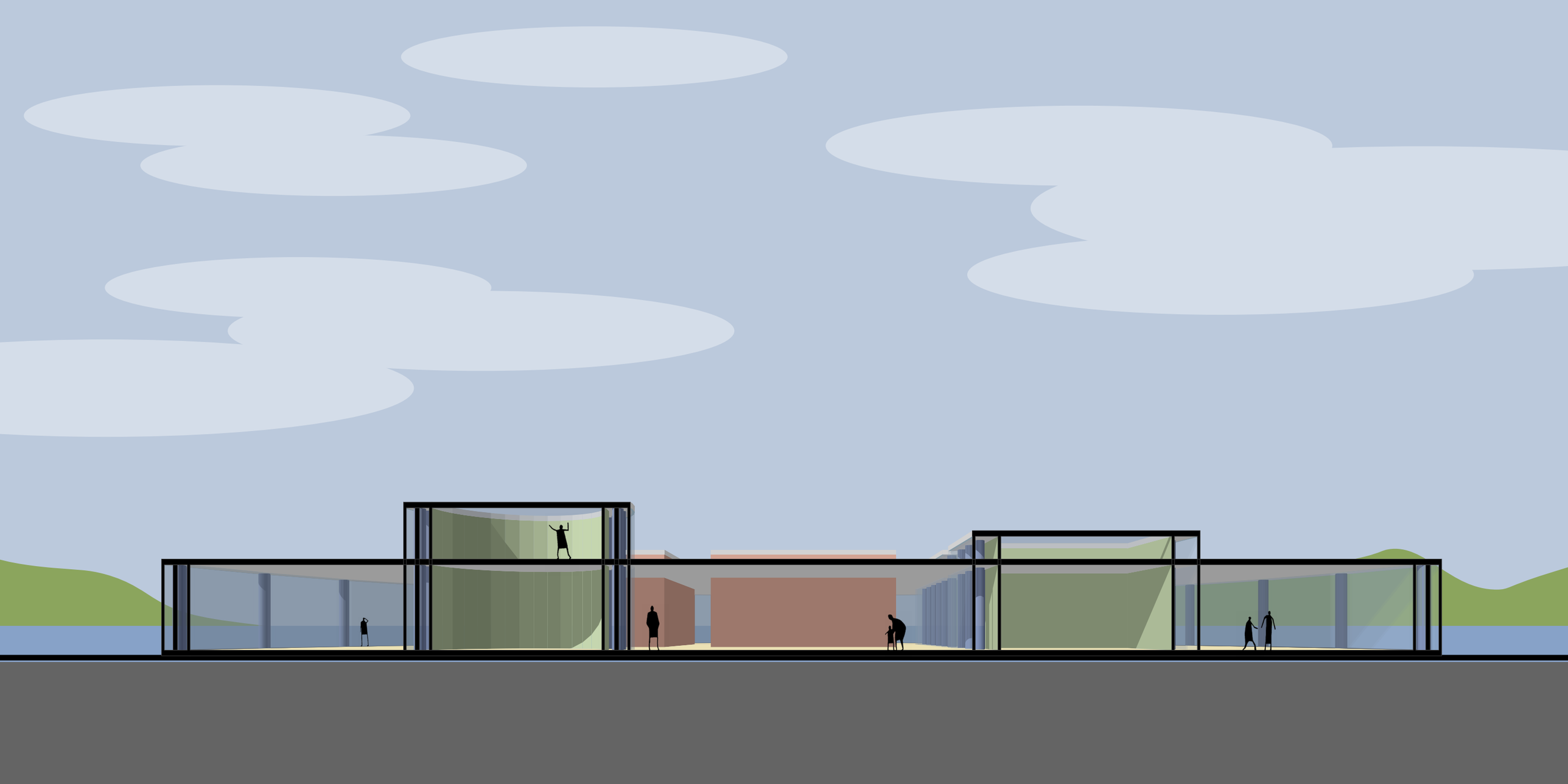












REFLECTION

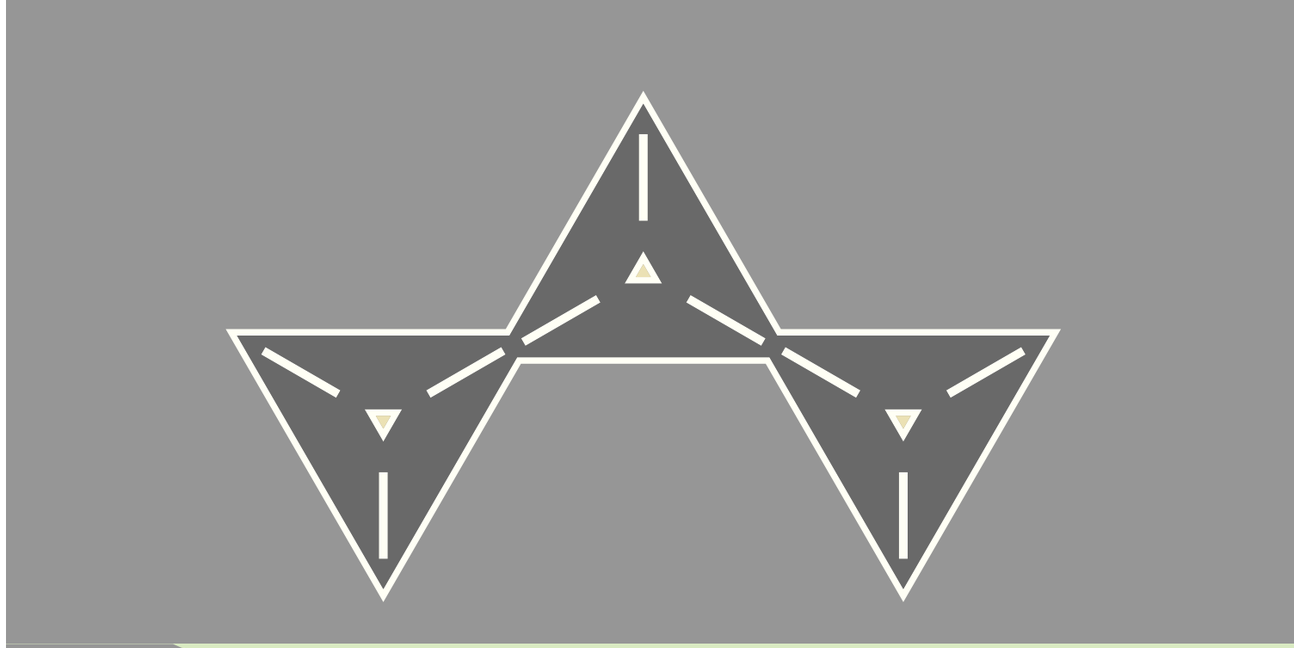
EXPLORATION

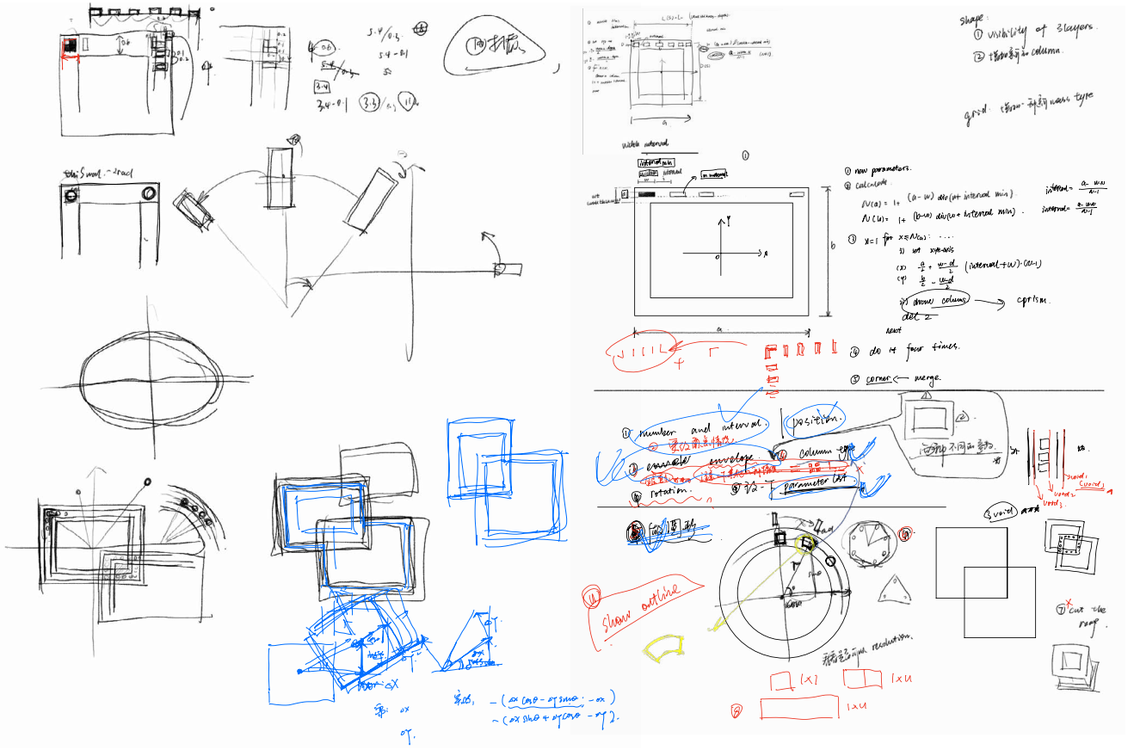
This is my final project for my undergraduate studies in architecture. In fact, my graduation design is already complete, so from another perspective, this is a kind of farewell to architecture. It is my honor to conclude with such an interesting and thoughtful project.

The summer semester project is an extension of the spring semester, focusing on self-exploration. During the summer semester, logical relationships remain very important as the foundation of the exploration process. After completing the script, I roughly explored the possibilities of the object through a path that conforms to architectural logic:

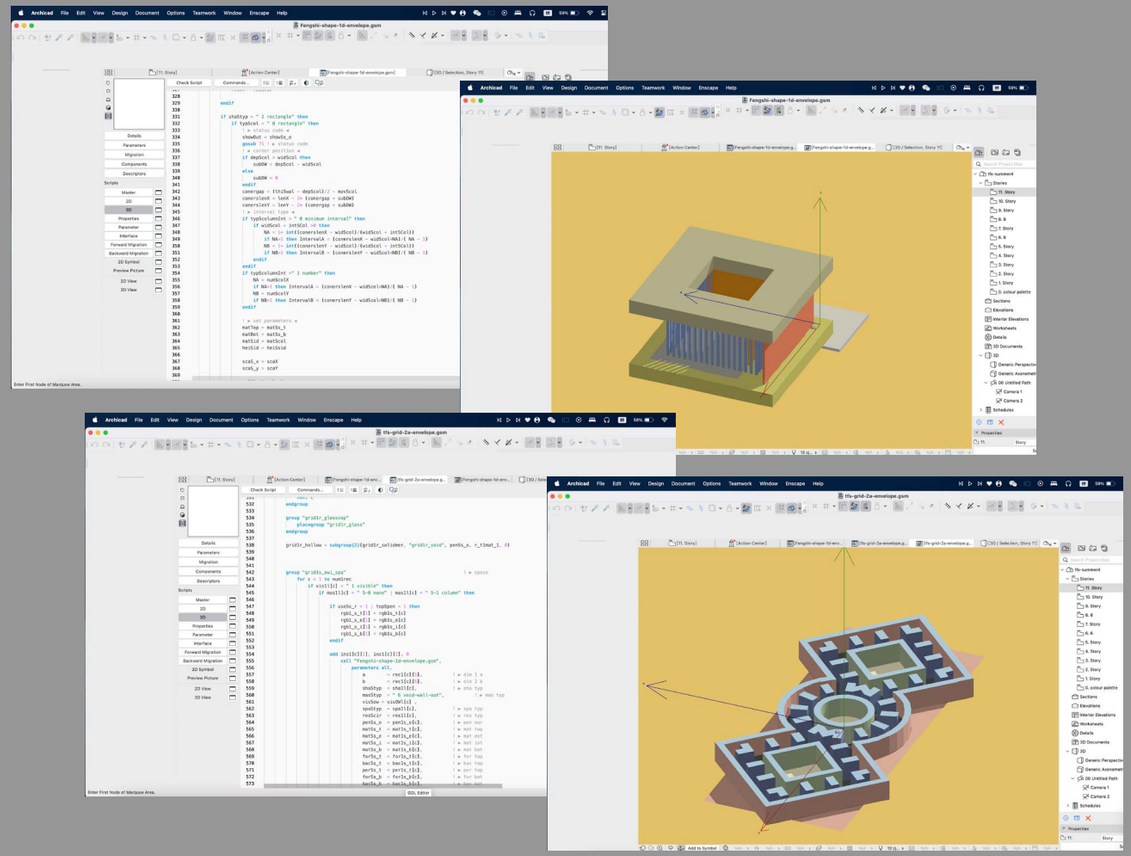
First is the exploration of shape. At this level, in addition to exploring the parameters of the original shape itself, the addition of the envelope, roof, and floor parts actually constitutes the most basic construction of the building, following the most fundamental construction logic. There are two approaches to exploration: one is a gradual change, starting from the plane, changing one parameter at a time, finding the most interesting one in a series of changes, and then changing another parameter based on it. The other approach is to find a reference building to see if the object I modified, which still has shortcomings, can simulate this single object.

On this basis, I conducted an exploration of the grid. At this level, I started exploring from the most basic relationship between two units. The most basic is the relationship of size, height, and position between two entities, which is also the most basic relationship between architectural units. By adding different mass types or space types, interesting spaces under certain conditions can be continuously explored and optimized. In this process, the variation of each parameter greatly enriches the grid composed of numerous units, and it is also a favorable means to achieve individually controllable adjustments of form, material, and relationships between units. Interestingly, this control process is challenging in terms of mathematical and spatial imagination, making it very fascinating.

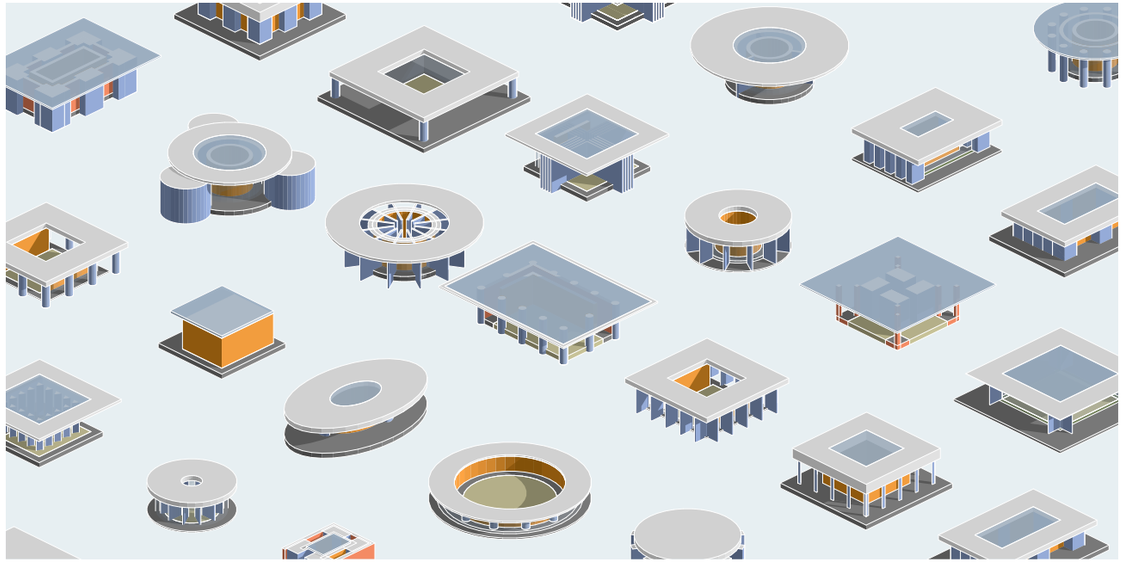




The foundation for exploration is a script that is rich enough and feasible. This process is painful but also exciting and satisfying. During the use of the grid and the exploration of possibilities, various new requirements for the script arise, promoting the refinement of the script. Writing the script is essentially a geometric problem from the start, and I had a clear analysis of it at the beginning. Adding variations is a re-clarification of logic, which is very interesting.



Scripts inevitably have errors, but the results of these errors are also very interesting, sometimes even beautifully erroneous. After solving these errors, I felt proud and satisfied.



WHAT I GAINED

I gained a lot from this course.

Firstly, the ability to solve problems. This project is a great test of logical ability, especially the exploration process. Making the exploration process more orderly is a great test of logical ability, following basic geometric relationships and architectural component relationships.

Secondly, after the first and second years, we rarely stripped away spatial characteristics, abstracting the space itself and focusing on the relationships between spaces. This project brought us back to the space itself, back to scale relationships, back to more fundamental architectural issues, allowing parameters to bring us unknown results, then experiencing the formed space more seriously and carefully, further reflecting on the parts we easily overlook.

THANKS

I am very grateful for Professor Vito's guidance and his understanding of me.

As I mentioned earlier, this is a course I took in the fifth year to make up for the fourth year. Due to personal reasons, I completed this course hastily, and it is not the most perfect. Considering Professor Vito's selfless, patient guidance, understanding, and magnanimity, I feel very guilty. This assignment is the best version I can currently produce. If there was enough time, many aspects could indeed be further developed, such as more detailed parameter settings, more parameter variations, etc.

Finally, I would like to thank Professor Vito again for his meticulous and logically rigorous spirit, which will benefit me for a lifetime.

PROFILE

NAME TENG Fengshi

MAJOR Architecture

GRADE ZJU' 24

CONTACT 1272288416t@gmail.com