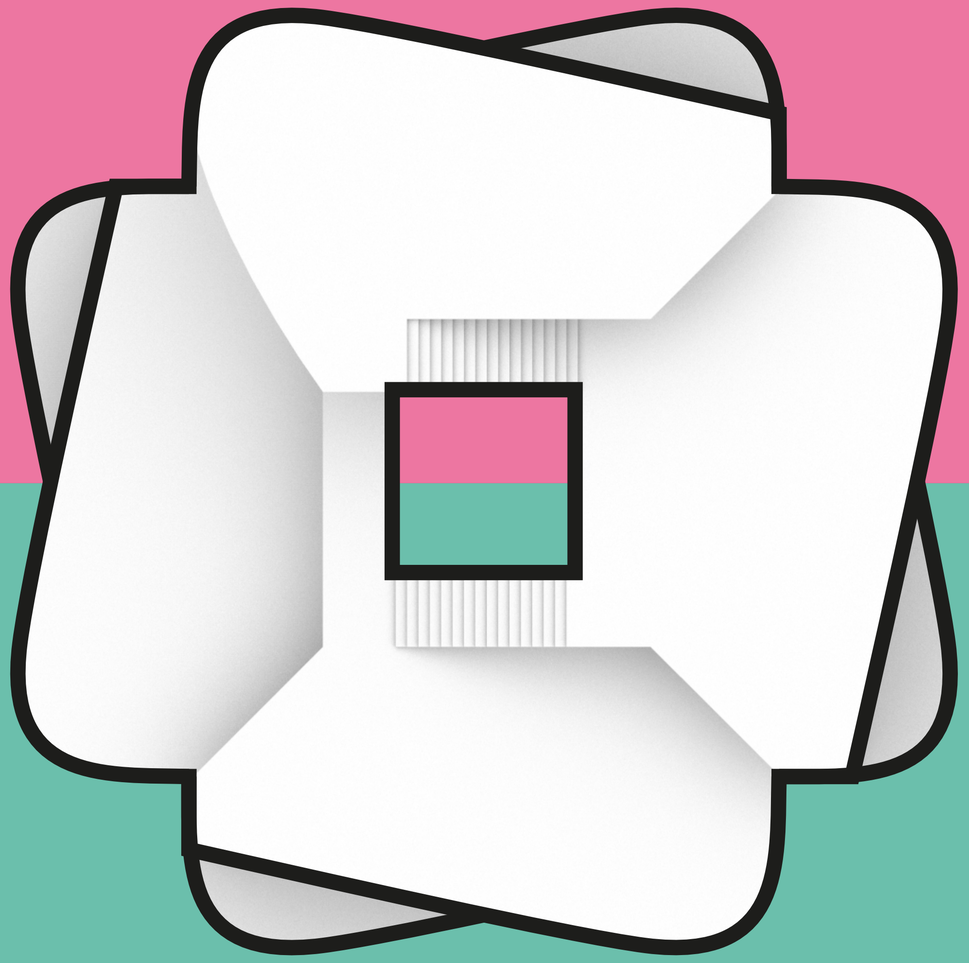
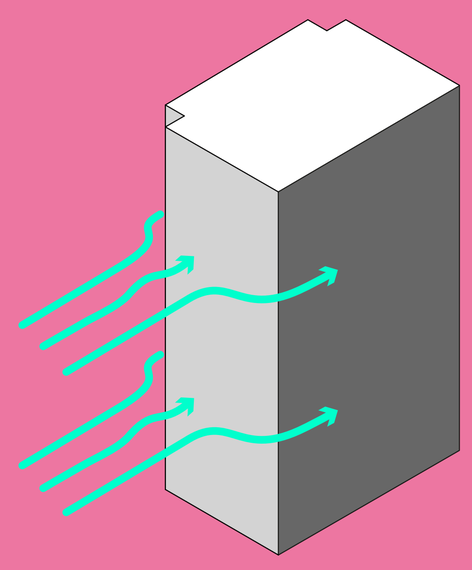
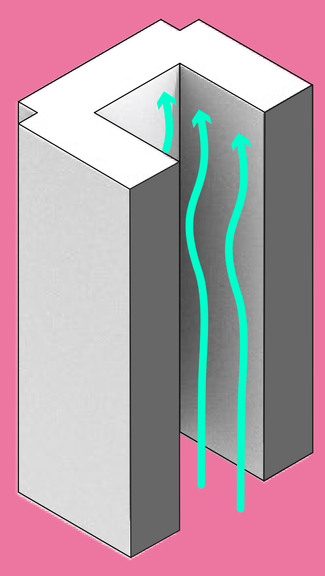


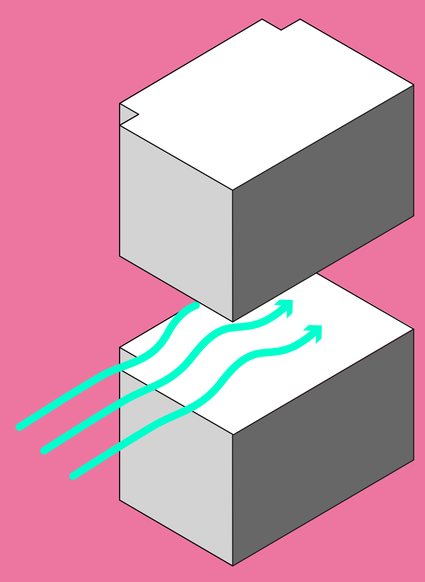
4-Leaf Clover

WIND

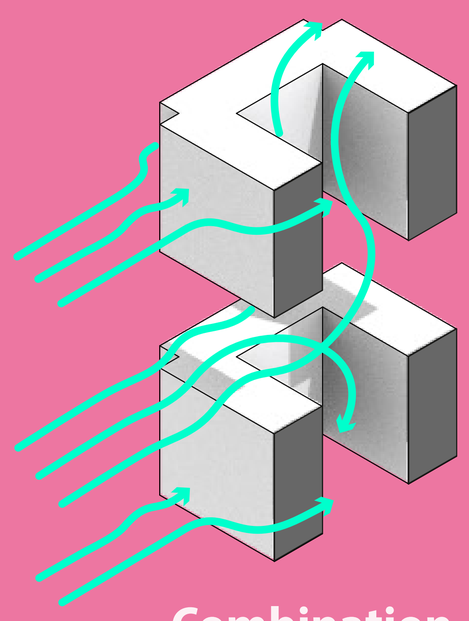




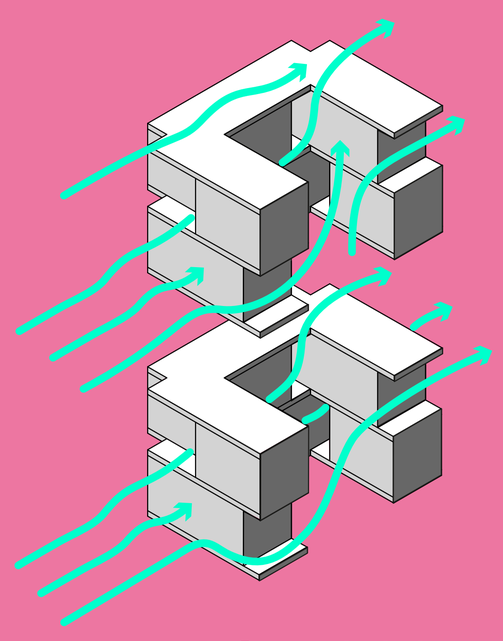
Subtraction 1



Subtraction 2

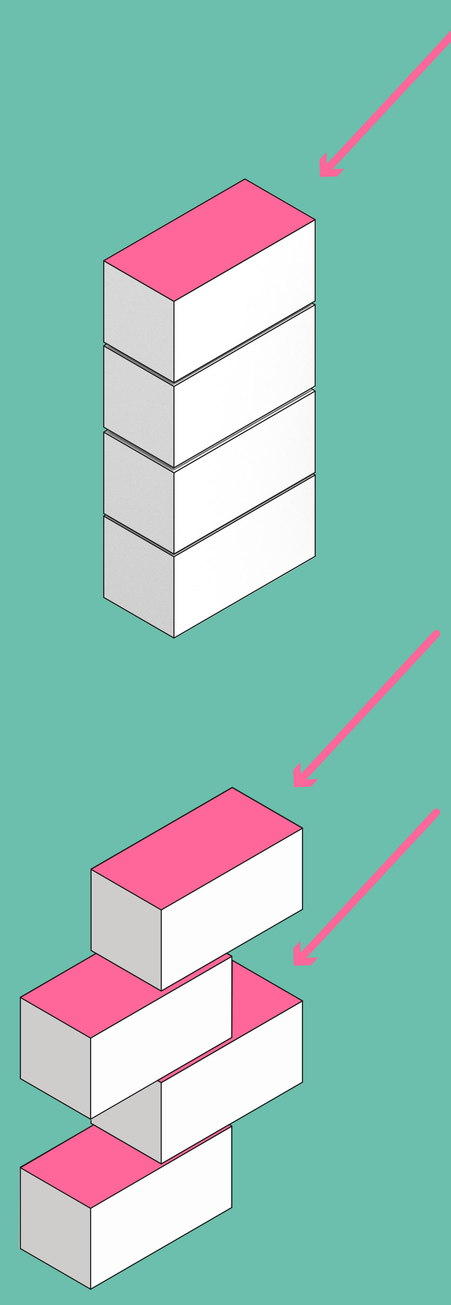


Combination

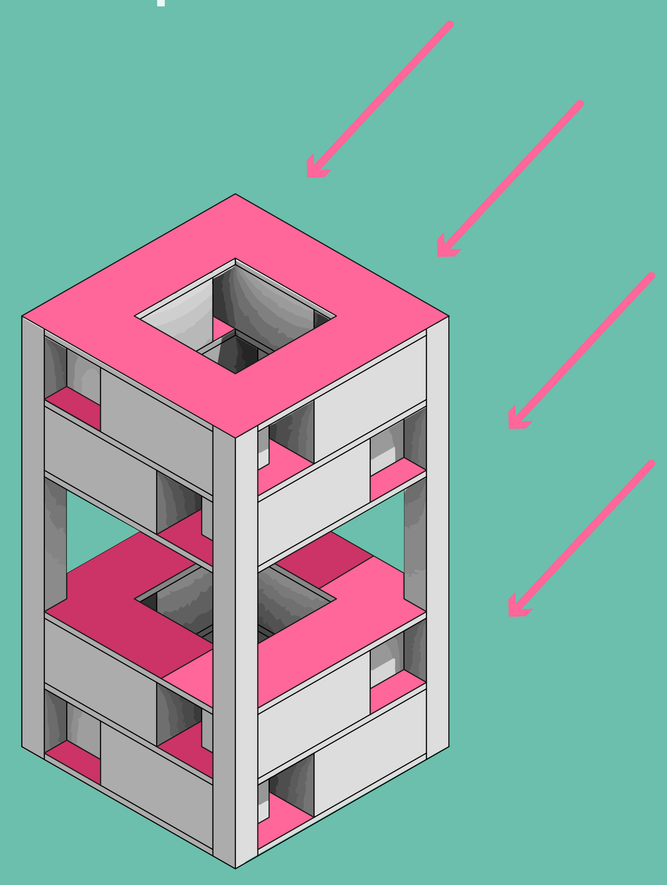


Modular Division

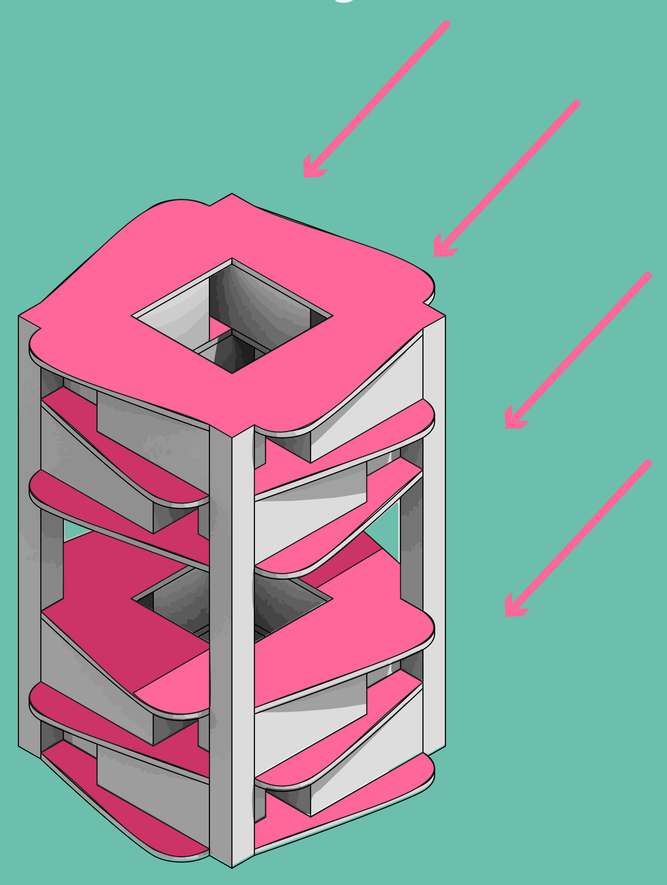
SUN LIGHT



Modular Division
+
Displacement

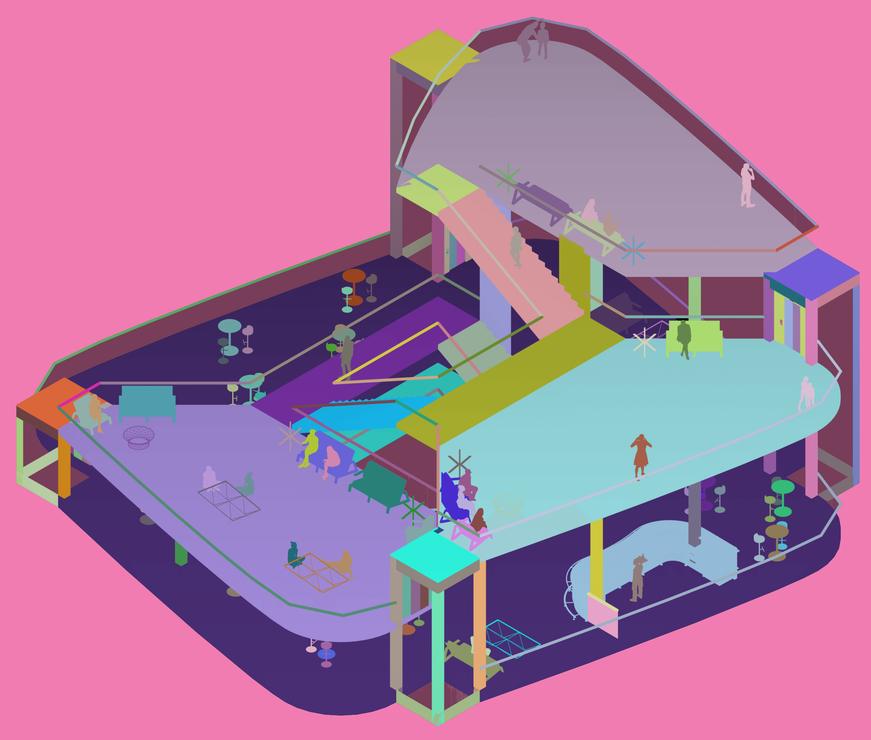


Structuring

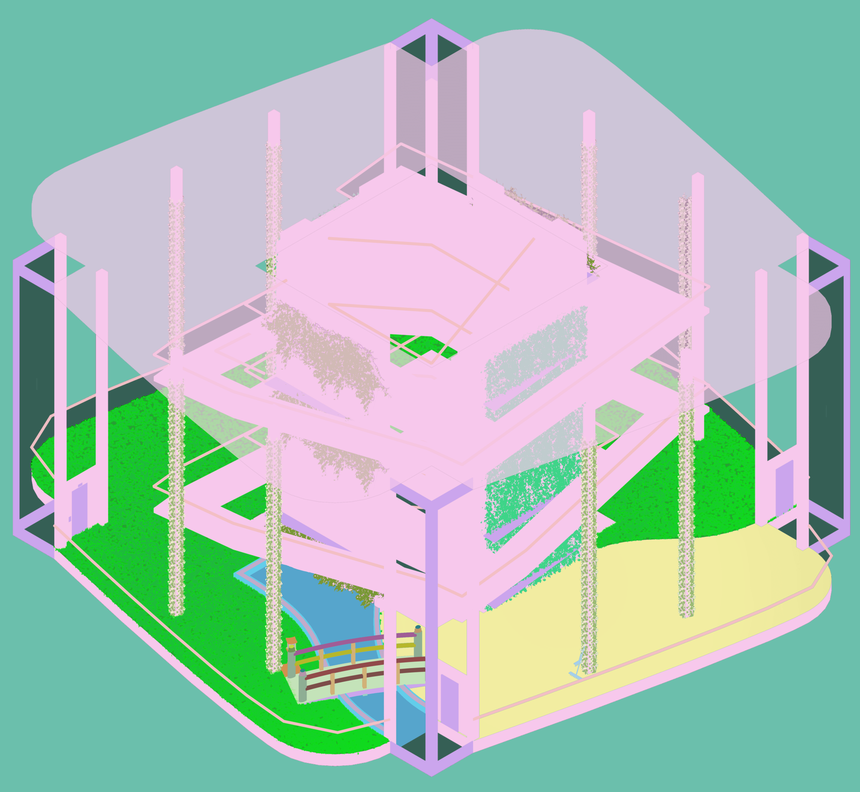


Balcony Addition

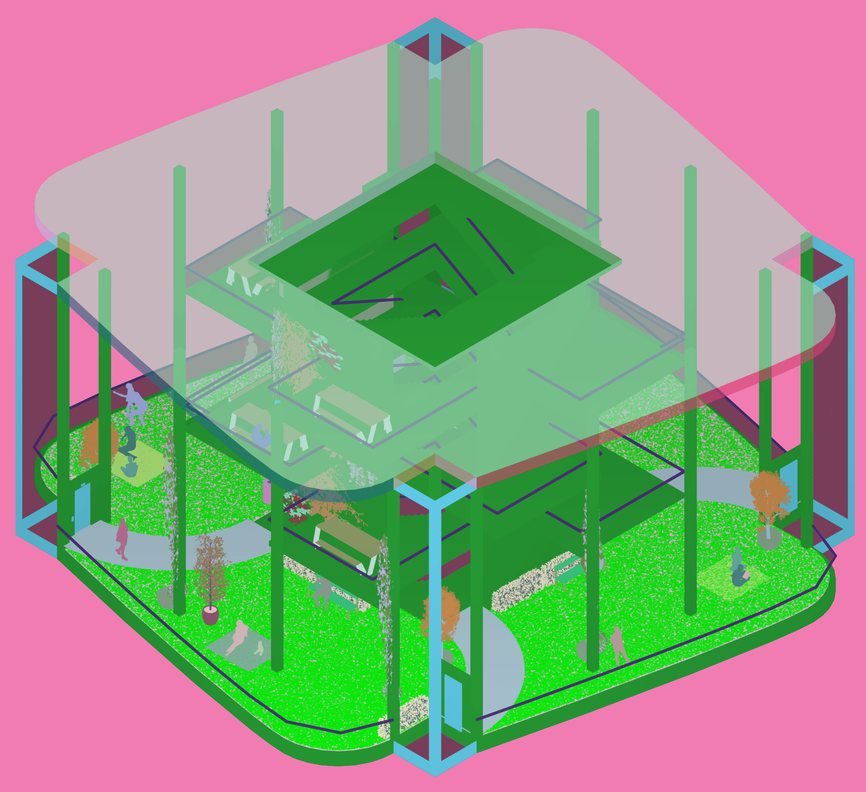
Events Zone



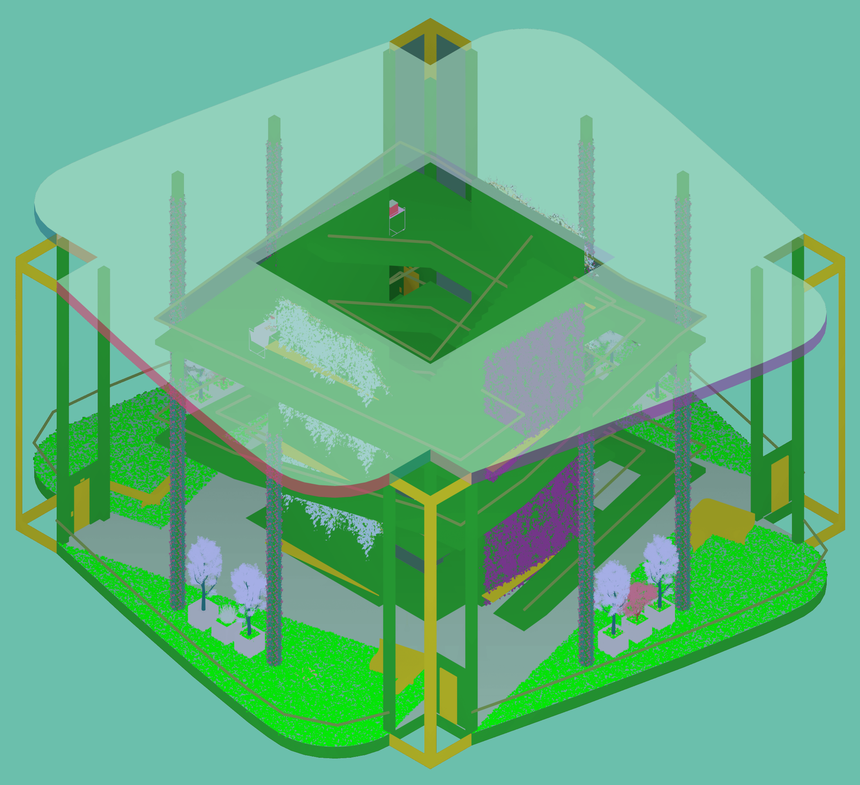
Meditation Park

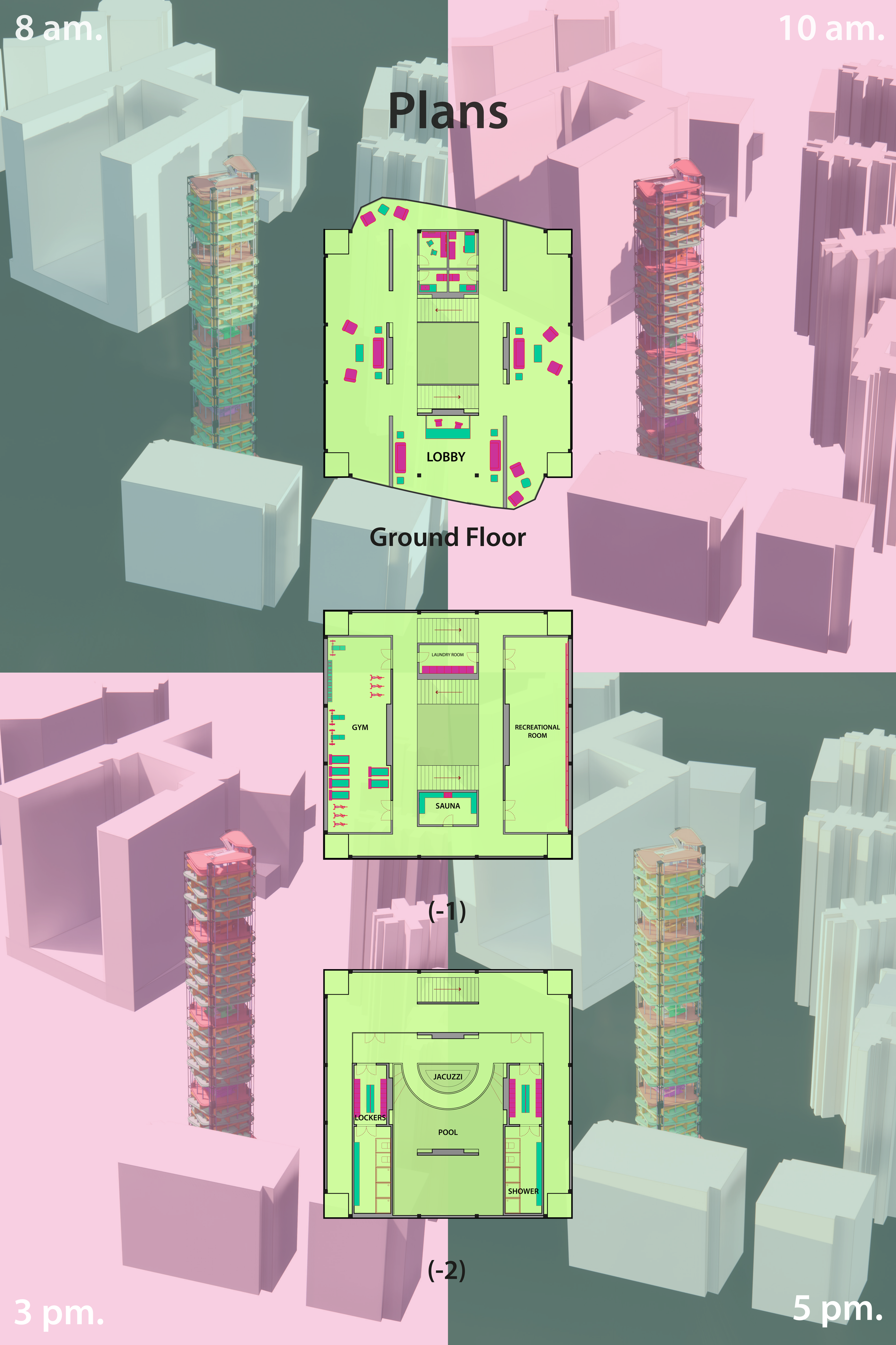


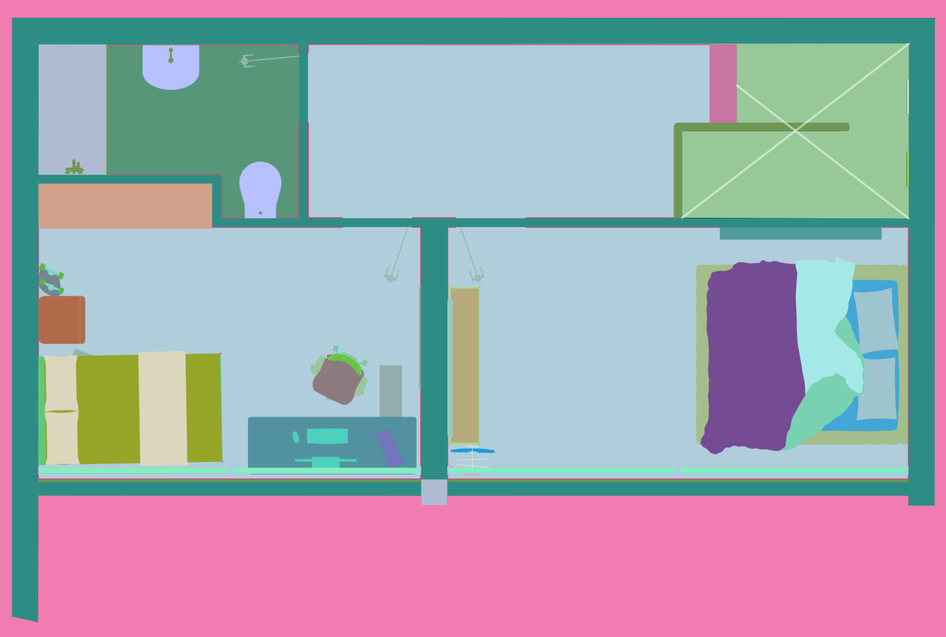
Picnic Lounge

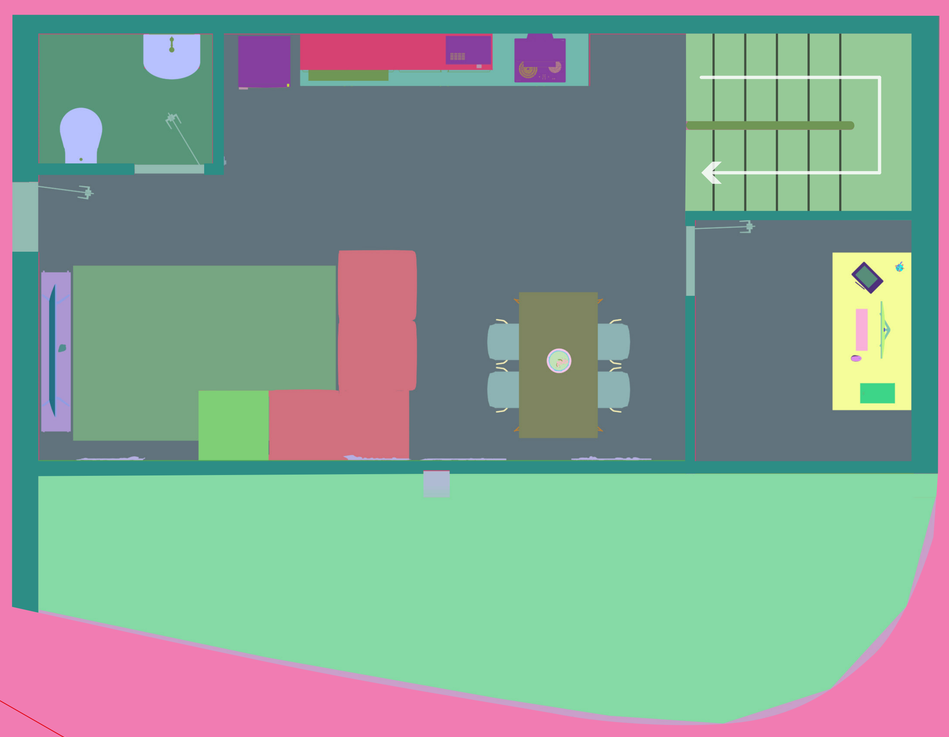


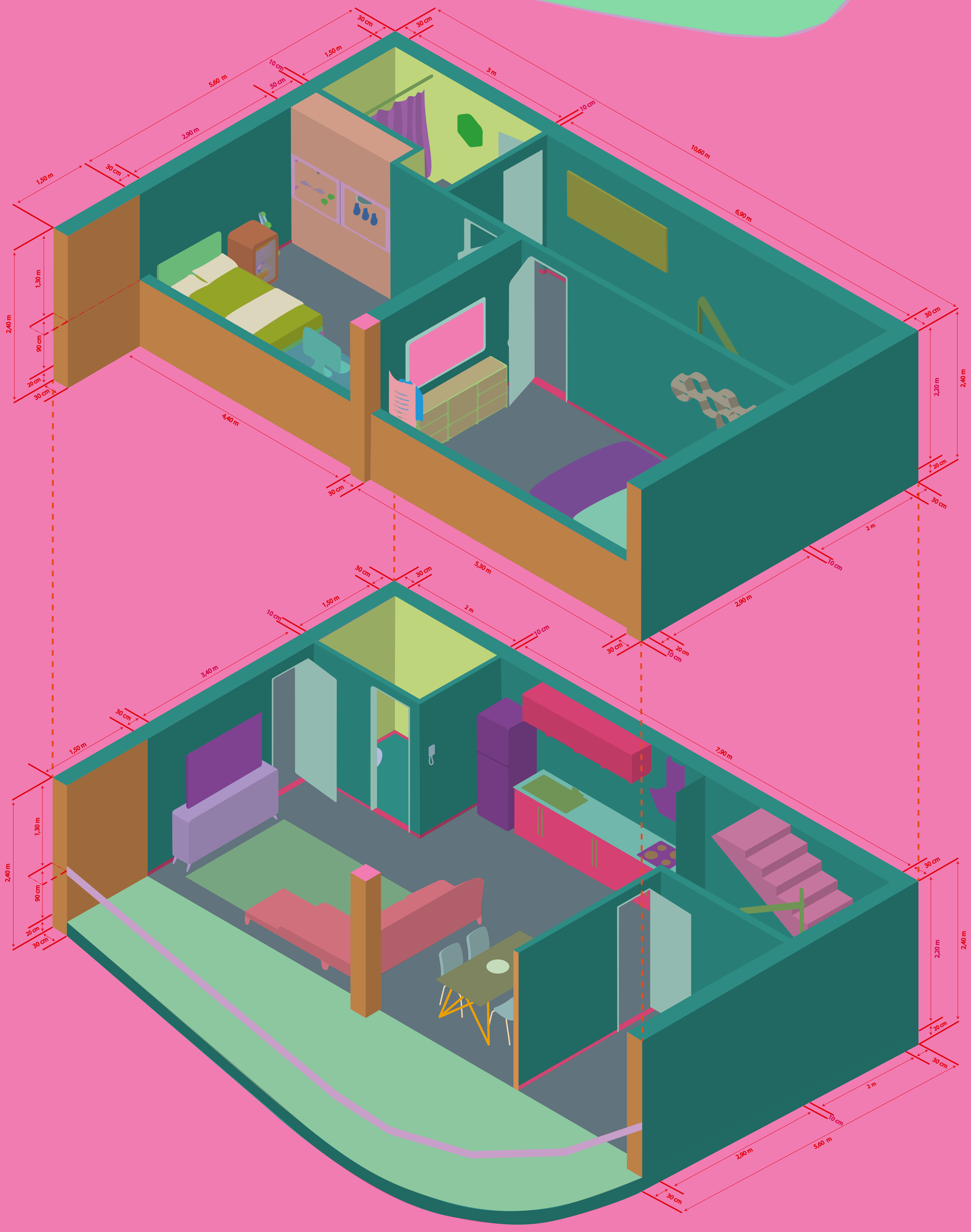
Family Time




8 am.
10 am.
Plans
LOBBY
Ground Floor
LAUNDRY ROOM
GYM
RECREATIONAL ROOM
SAUNA
(-1)
JACUZZI
LOCKERS
POOL
SHOWER
(-2)
3 pm.
5 pm.






30 cm
30 cm
1,50 m
10 cm
50 cm
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2,90 m
1,50 m
30 cm
3 m
10 cm
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6,90 m
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90 cm
20 cm
30 cm
30 cm
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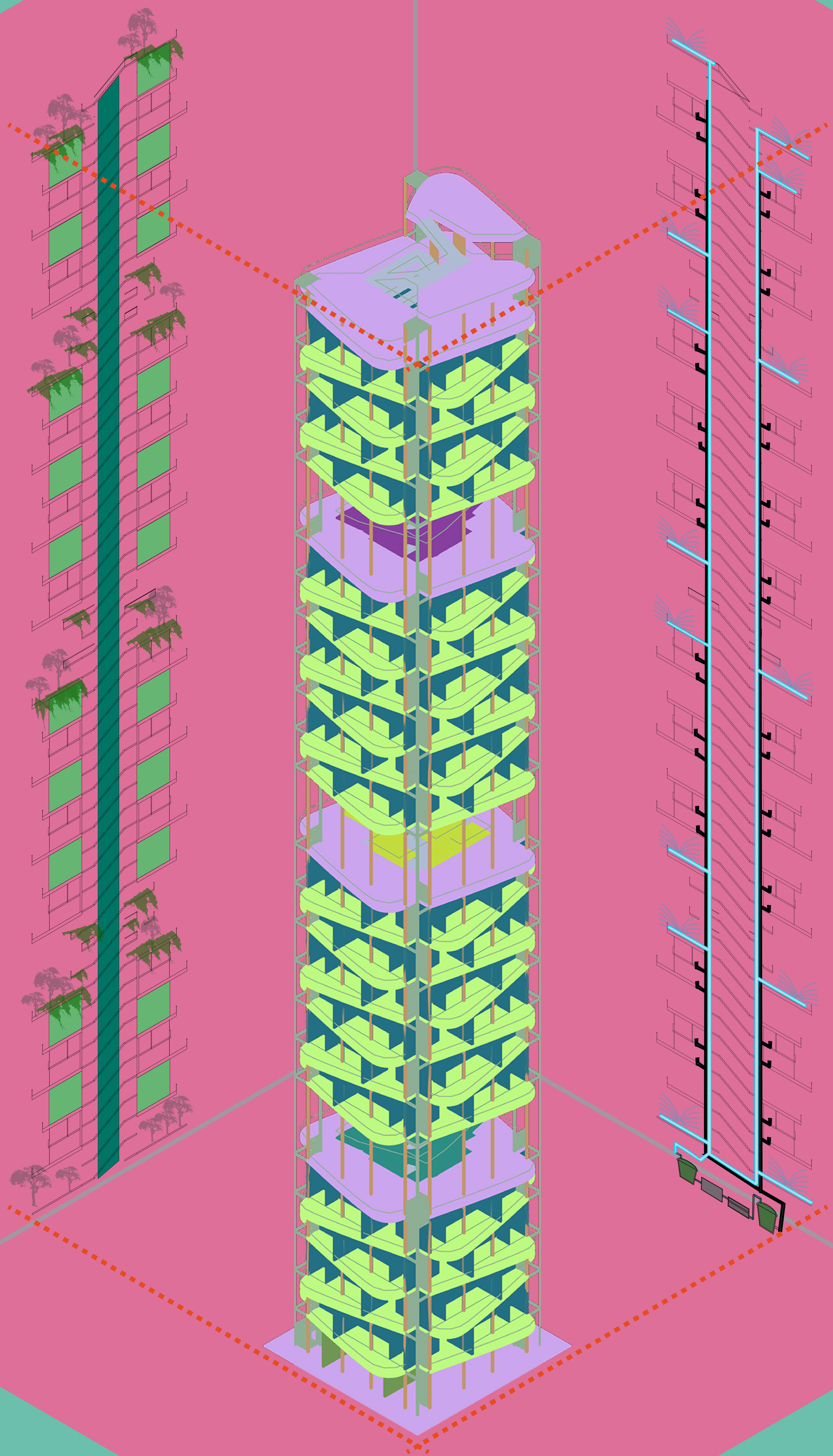
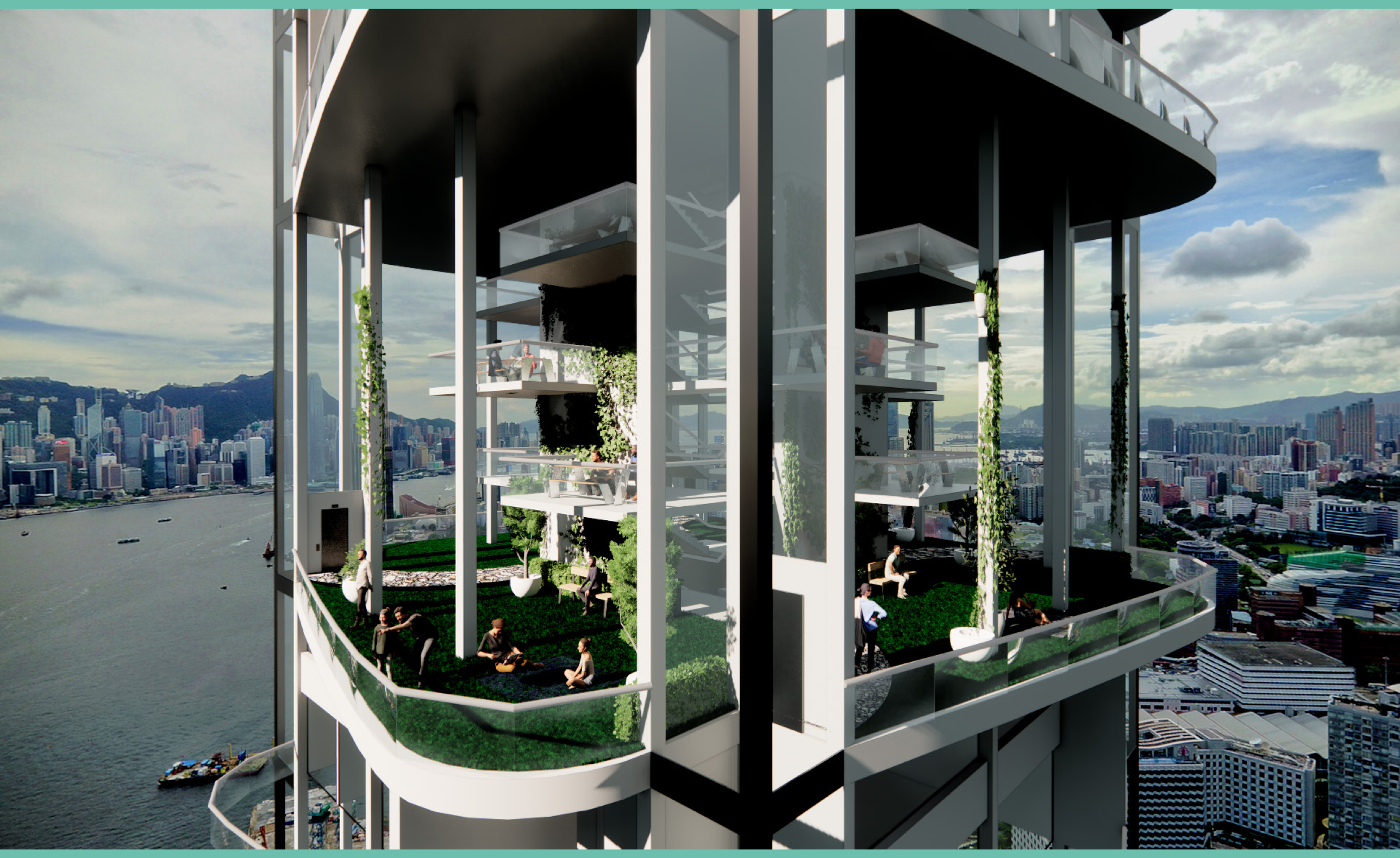
20 cm
30 cm
2 m
10 cm
2,90 m
5,60 m
30 cm

2.5 BHK

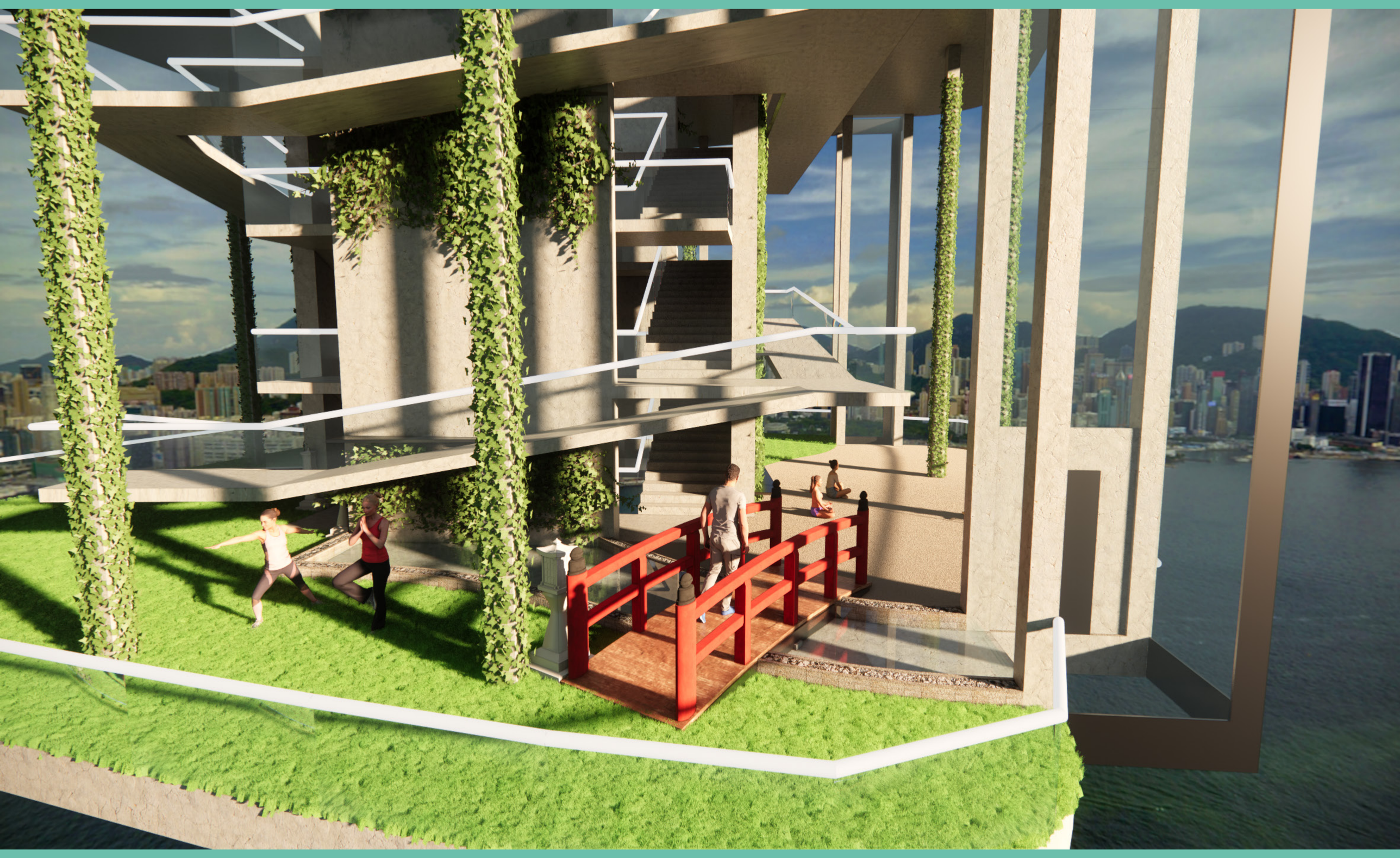
ECO-EFFICIENCY



Family Time (1)



Picnic Lounge (2)



Meditation Park (3)

Events Zone (4)

Events Zone (4) - Bar

Department

Year 1

Year 5

1. What role do you personally think Biophilia plays when applied as a design principle in Architecture?

We believe that biophilia fulfills the role of re-obtaining a daily interaction with nature that has been lost more and more throughout human history, it is the change in logic in how growth is thought to be and development, giving us back the contact that has been lost with nature, but harmoniously integrating our modern lifestyle.

2. What are the concept(s) driving your design of the biophilic residential tower?

The two most important concepts that drive our design are the recreational programs of the different parks, and the eco-efficiency systems. The air purification system, where the wind currents that enter the building are passed through moss walls, which have the ability to absorb CO2 and release O2, this flow then enters the core of the building and is naturally distributed throughout all the floors and corridors following the ascending path of its natural current formed by the architecture of the building. The internal skeleton of the tower is built to consider a grey water filtration system to support the growth of the biophilic mass.

3. What would you state were the biggest challenges facing an intervention of such a nature, a high rise with vegetation/biophilia? How does your design proceed to respond to that?

We believe that the biggest challenge facing an intervention of this nature is to offer a competitive proposal, with traditional construction methods, integrating realistic and low-cost solutions, but with a great conceptual and sustainable impact. Our tower is a structure that adapts to what should already be considered when constructing a traditional residential building but manages to effectively integrate totally new environments for the residential experience.

4. Do you think your design of the residential tower serves as a counter to the extremely dense concrete settlements in Hong Kong? Explain.

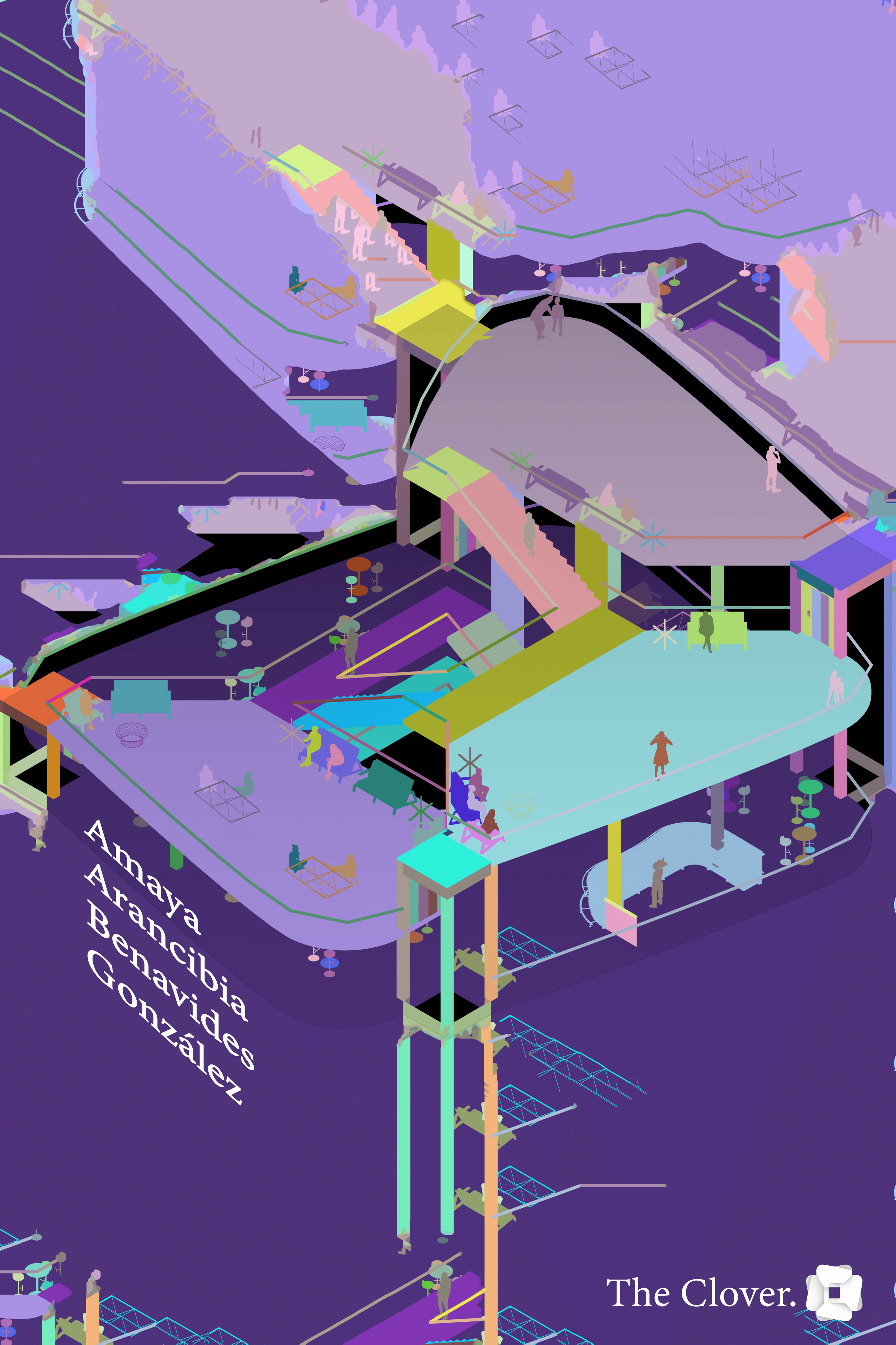
Yes, our air flow focused structure makes the building look very light, the parks in between makes a considerable space that allows to see through the building, this and the vegetation that grows throw the tower serves to contrast the dense concentration of concrete buildings in Hong Kong.

5. Comment on how your intervention looks to enhance its residents' mental well-being and overall health?

As a first factor, the physical health, which encompasses two pillars, the first, living in an environment with naturally purified air to improve oxygenation for the user, and the second, having several parks with different activities, which will serve to stimulate outdoor recreation for residents. And, as a second factor, mental health, which encompasses two other very important pillars, sensory stimulation, sight and smell that is experienced by being surrounded by a chromatic and aromatic range provided by the ecosystem of each park, and the second pillar it is social interaction, which is generated organically in the different programs found in the building, thanks to the separation of activities that creates a comfortable environment for the user where they can interact with their own community.

6. Explain how your design looks to achieve Biophilia holistically, as opposed to only its surface level implementation as seen in most buildings today.

Our design looks to implement Biophilia, not just in an ornamental way, but in a more integral and functional way, making a stronger interaction of the people with the biophilic environment, creating a symbiosis that generate a mutual benefit, both for the plants and species of birds and insects that arrive at the place, as well as for the human whose experience is enriched.



Amaya Arancibia Benavides González

The Clover.