

In this project, We try to design a communicative student housing that not only encouraging residents to talk to each other, but also share with each other's life, and interactive with surrounded neighborhood—at the same time, to be an energy self-sufficiency community.

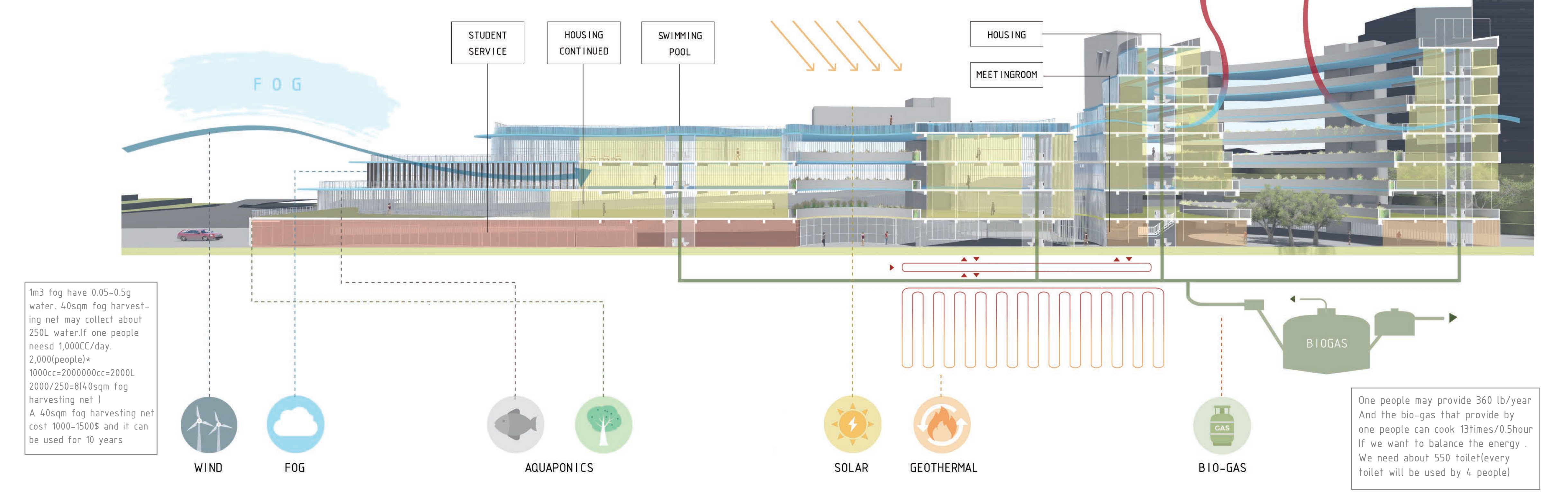
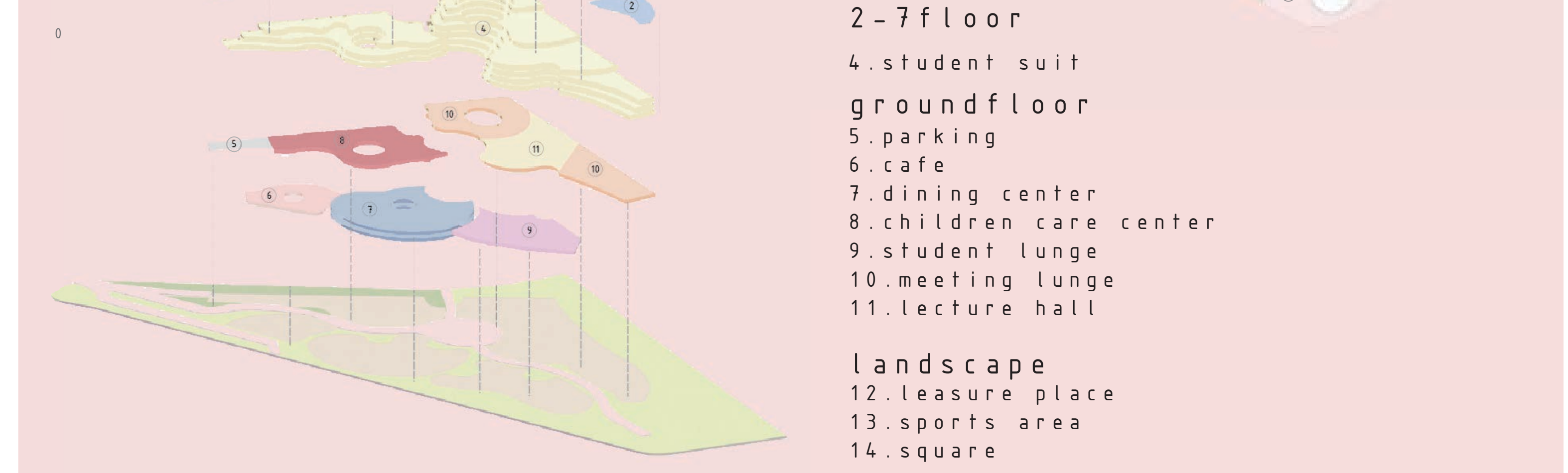
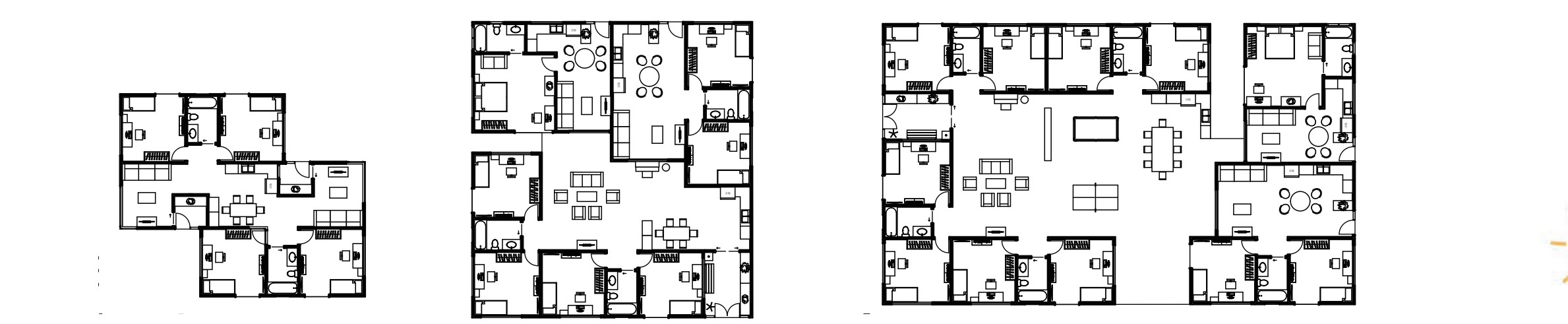
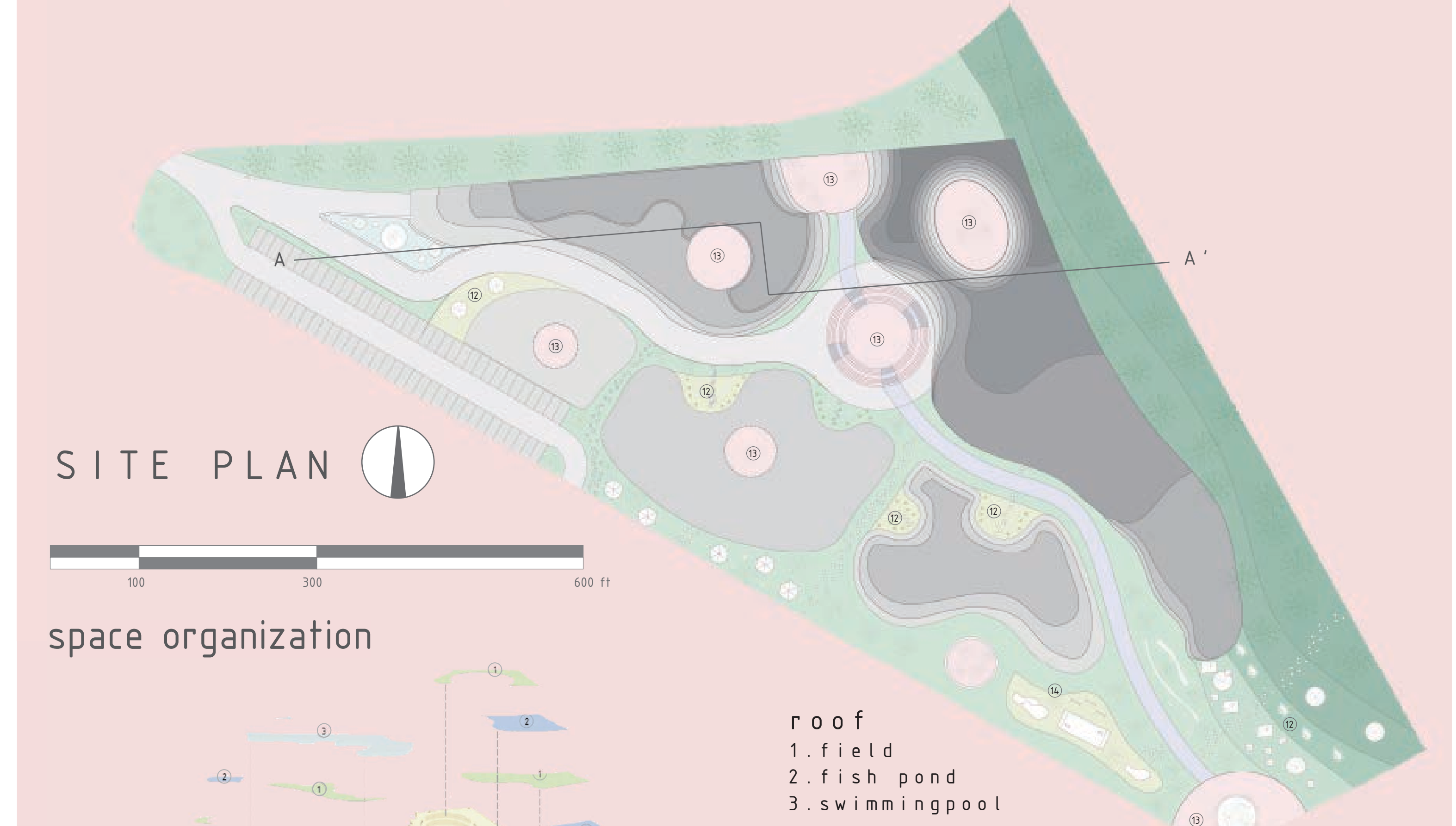
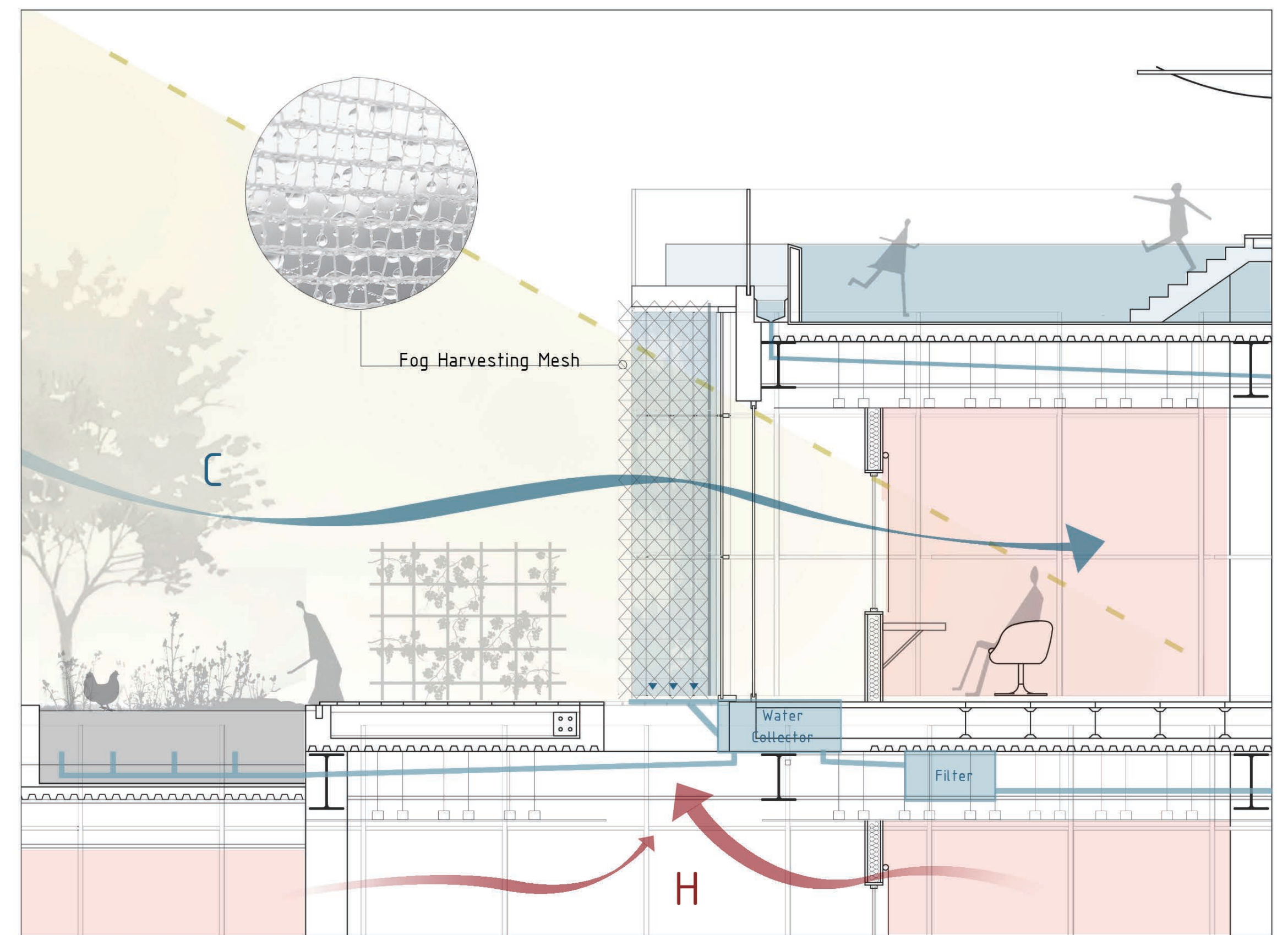
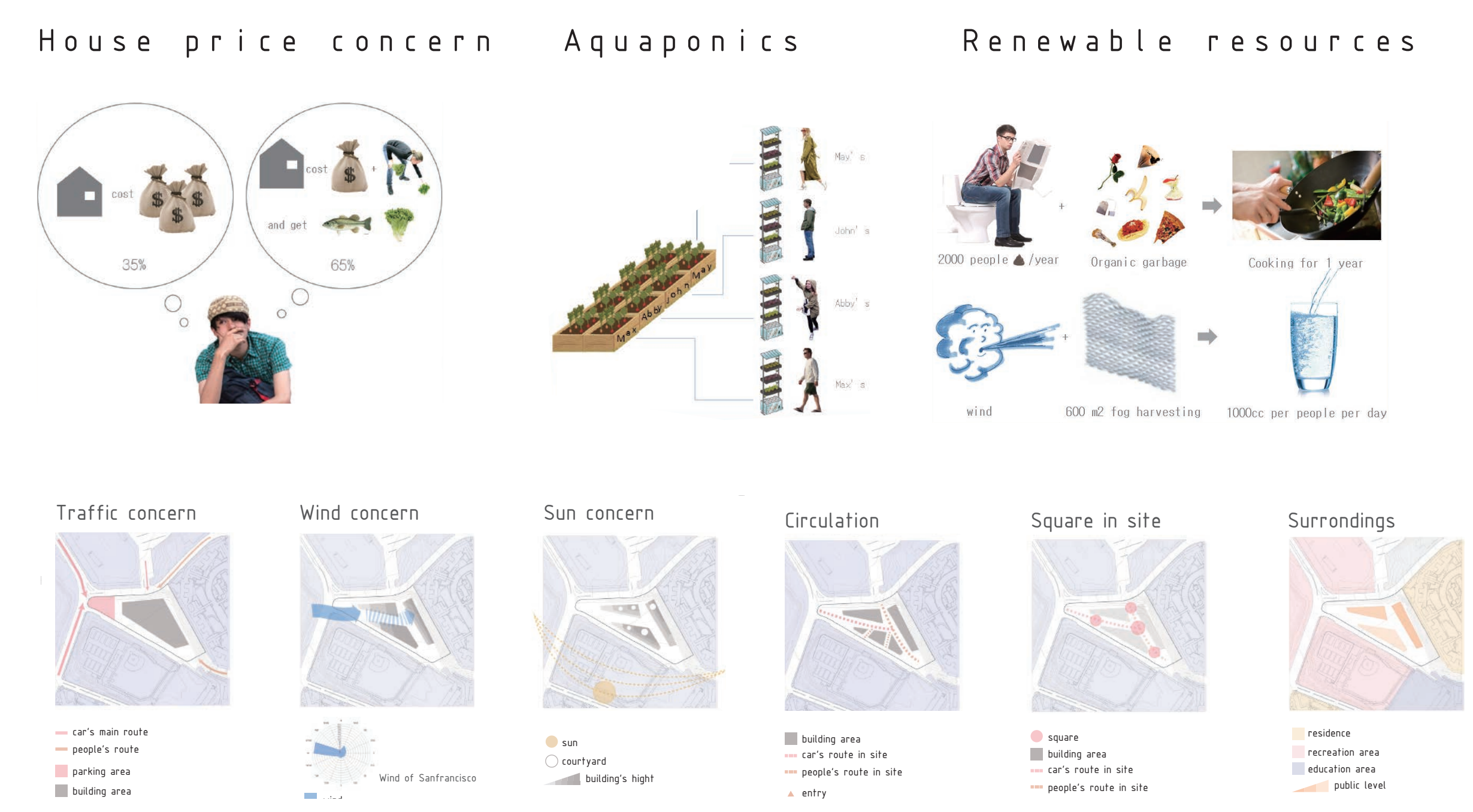
**Sharing Strategies:**

**A. Student Farms**  
We designed a housing community with "layers of terrace farms" to encourage students to learn how to be a net zero user from the food resources. Students can claim a field or fish pond to cultivate by themselves.

**B. Indoor and outdoor activity areas**  
We create lots of indoor and outdoor social areas from open kitchen, roof swimming pool (facing Lake Merced) to layers of indoor and outdoor party terraces, bike paths and so on. This is to encourage residents to take chances to share their life together and to make the community full of lively vitalities and be friendly.

**Net-Zero Strategies:**

- A. Water Recycle**—we have design the fog harvestingsystem located on west side of the buildings in order to deal with the frequent heavy fog in San Francisco. The condensed water from fog harvesting system can also be recycled for bath, kitchen and vegetation.
- B. Wind Tower Generator**—Put Wind Power Generator toward the west to take advantage of seasonal wind years around.
- C. Solar Energy**—Design 10780.8ft2 solar panels facing south to alleviate on-site energy demand.
- D. Bio-Gas and Geothermal System**—2/3 of Kitchens, bathrooms are linking with bio-gas energy system. And the geothermal system is using to exchange the heat from underground.



One people may provide 360 lb/year And the bio-gas that provide by one people can cook 13times/0.5hour If we want to balance the energy - We need about 550 toilet(very toilet will be used by 4 people)

