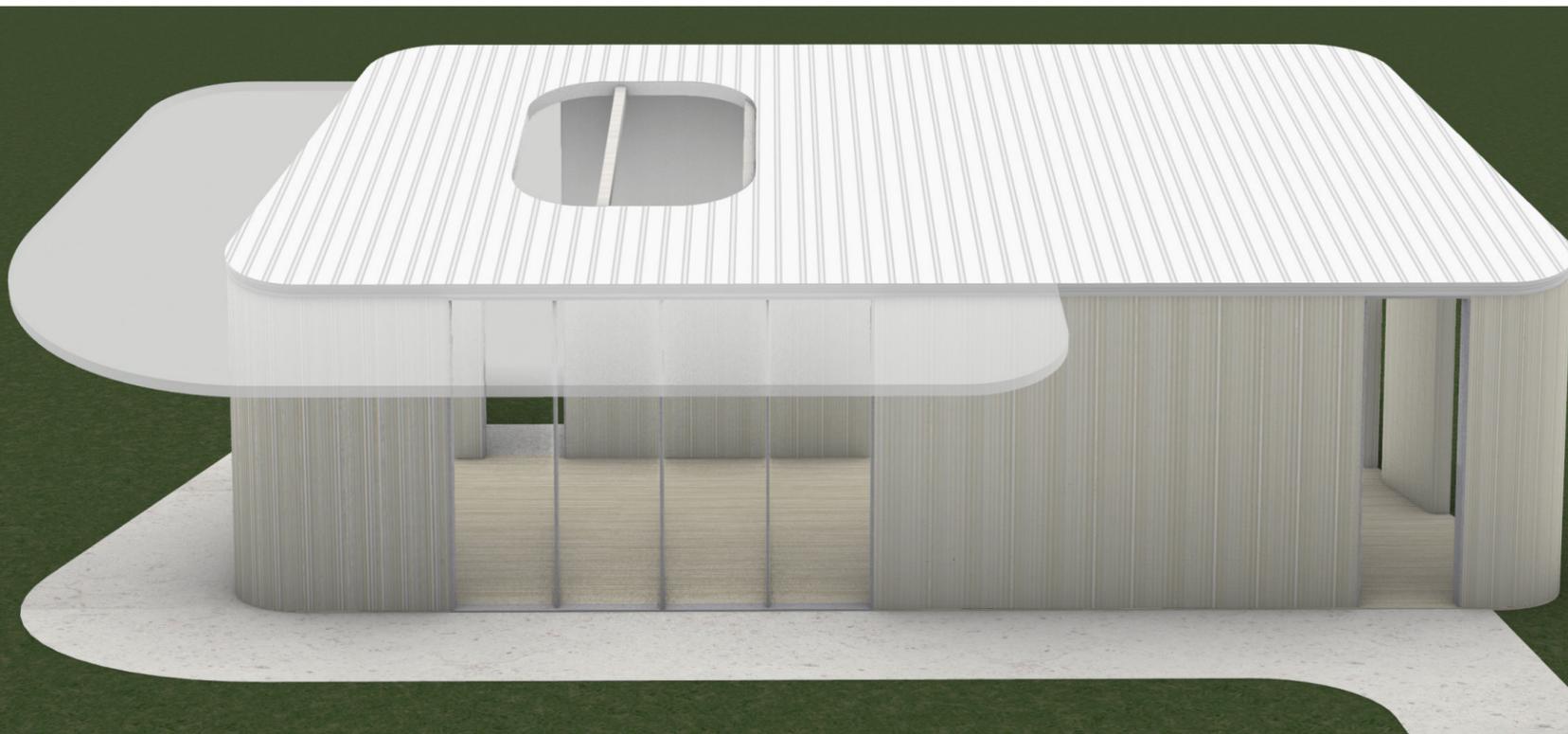


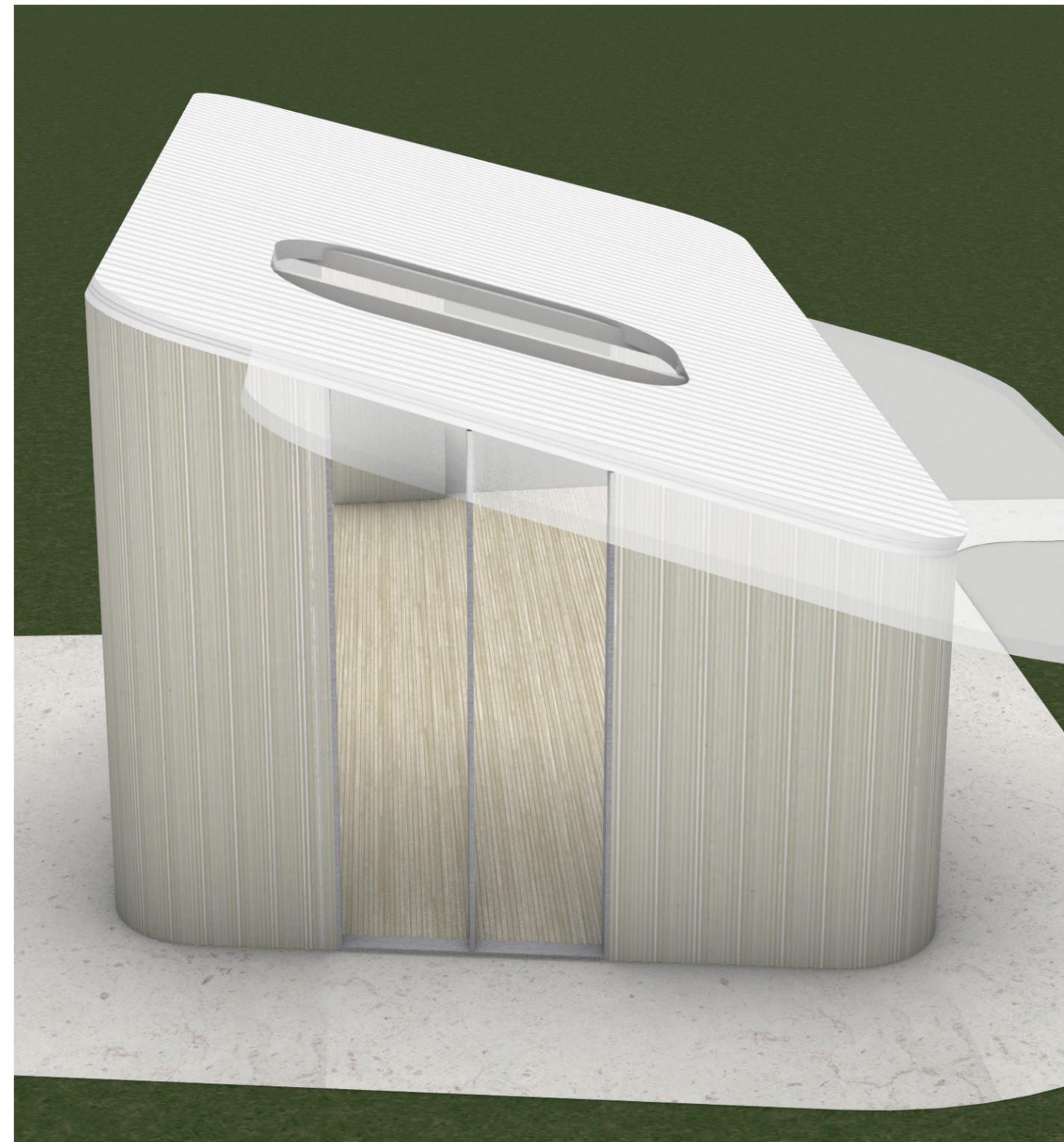
The modular U/U Home introduces a range of amenities for its inhabitants: spacious living room, two closets, spacious bedroom, bathroom with a walk-in shower (could be replaced with a bathtub), washer and dryer, dishwasher, stove, sink, refrigerator, kitchen island, natural lighting via windows and skylight, dining area, living area, covered outdoor space, planter space, frictionless pavement “hugging” the ADU.



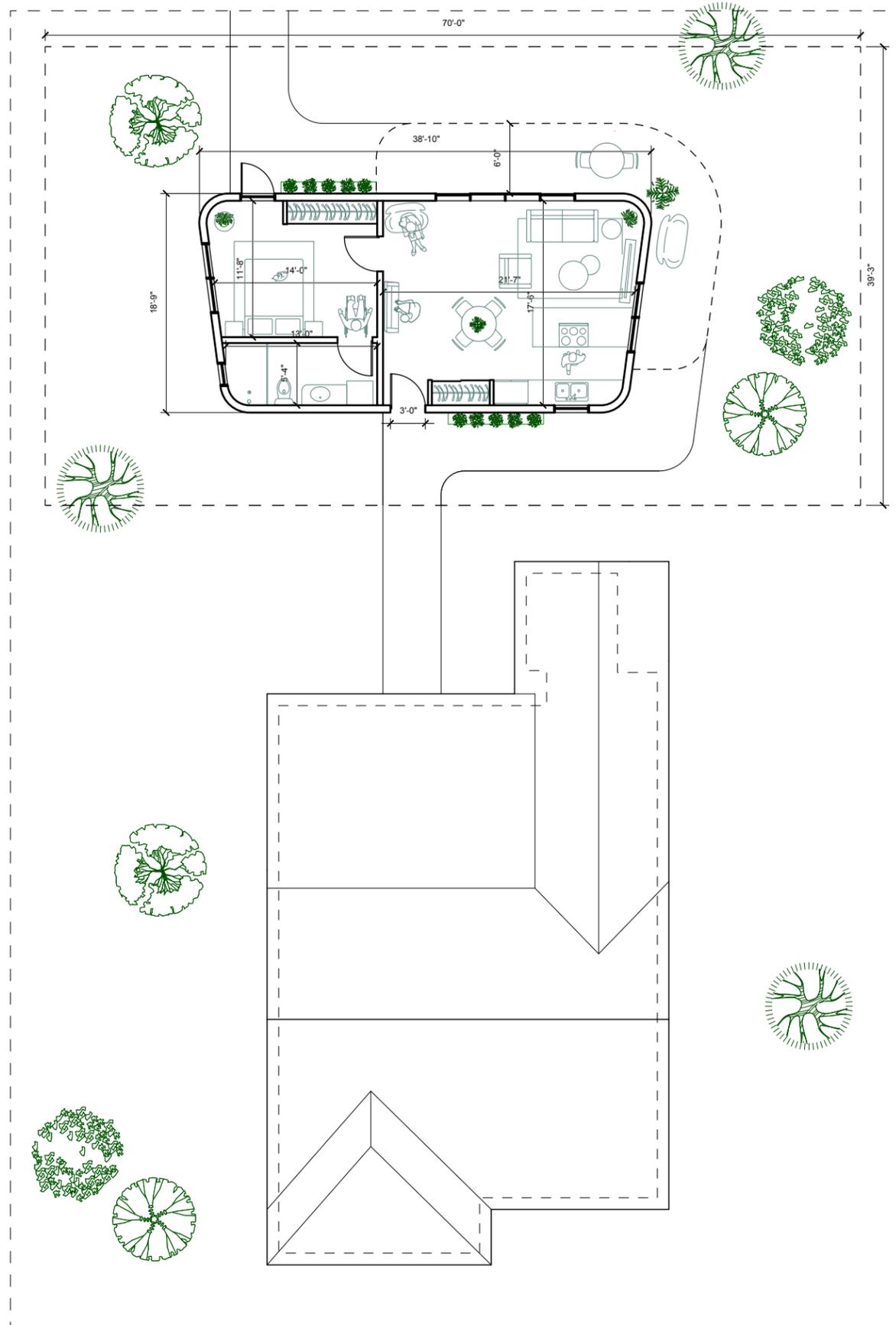
back elevation



front elevation



side elevation



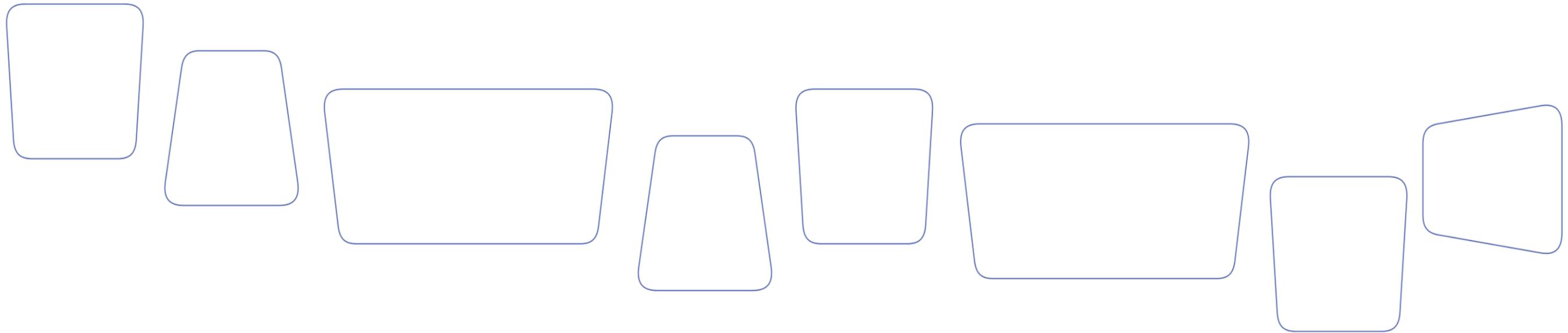
potential site plan

1. Sustainability

Universal / Unique Home upholds sustainability standards at its core. Its design maximizes the daylight while bringing down the energy costs by introducing an awning, a skylight, and sufficient amount of openings while blocking out excessive sun coming from the South. The design invites natural light and employs sustainable materials such as wood (including reused timber), container-like roof, glass, prefabricated steel elements withholding the roof, modular wooden panels, and natural fabrics. The opposing location of windows and doors can create ample natural ventilation to minimize the use of air conditioning. The light-colored roof reflects light avoiding overheating of the structure.

2. Accessibility

The U/U Home employs universal design principles by creating an abundant open space within a 630 sq ft ADU. The central wall can be taken down to create a studio space instead of 1 bedroom, and a bathtub can replace a walk-in shower based on personal preferences. Two closets and additional corners give the occupants a choice in what to do with additional spaces. All of the doors and spaces create at least a three-foot-wide opening to allow everyone to move freely. Soft shape of the structure ensures that people of all ages do not encounter sharp edges - it keeps the environment free and playful. The U/U Home also caters to various human needs and creates spaces for a range of human activities. The structure is entirely barrier-free and is surrounded with a frictionless pavement.

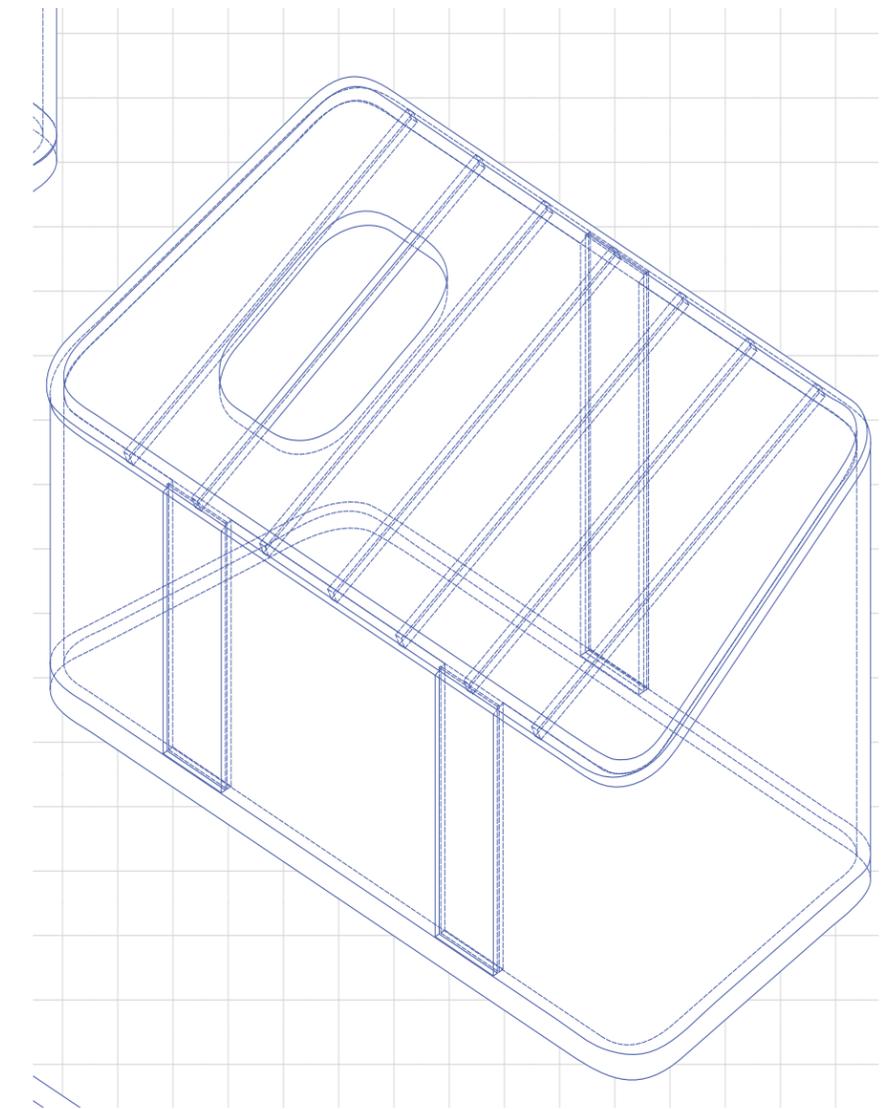
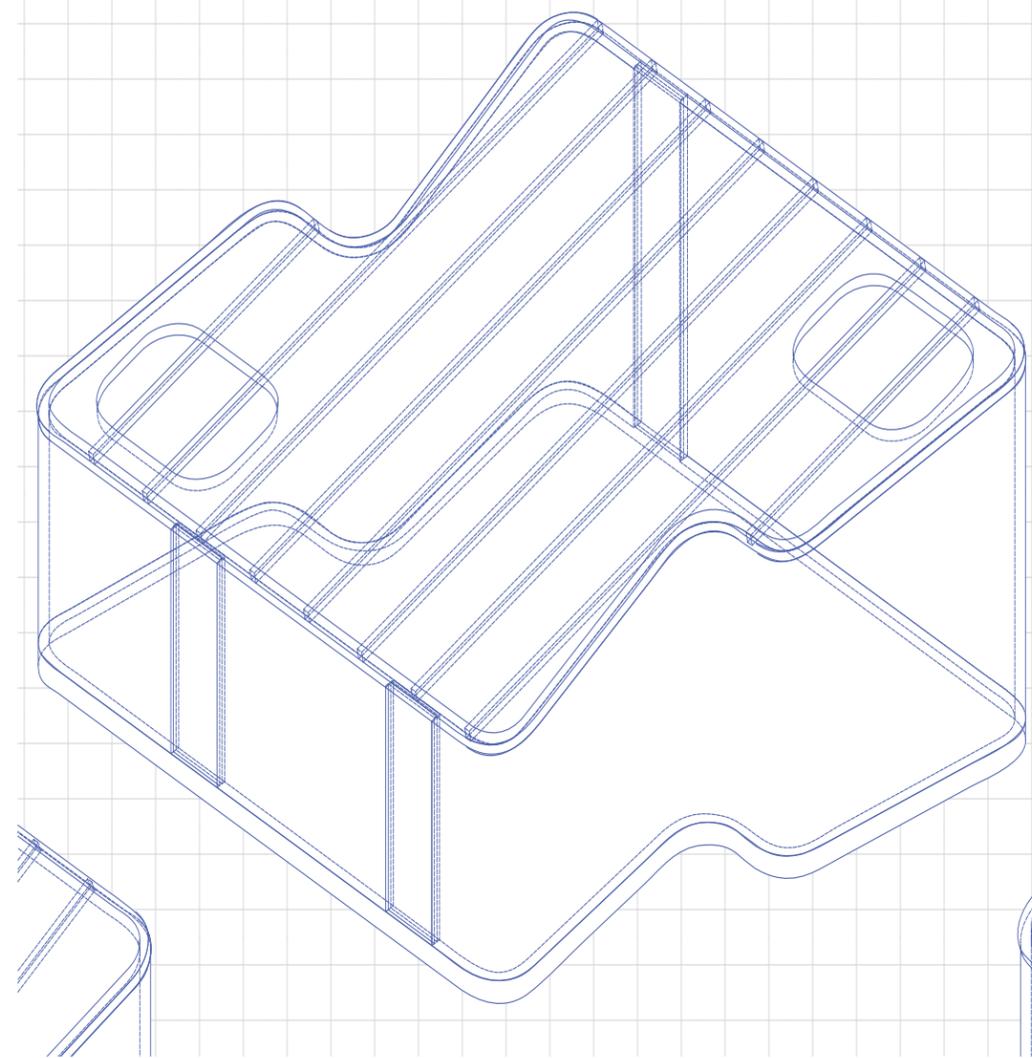
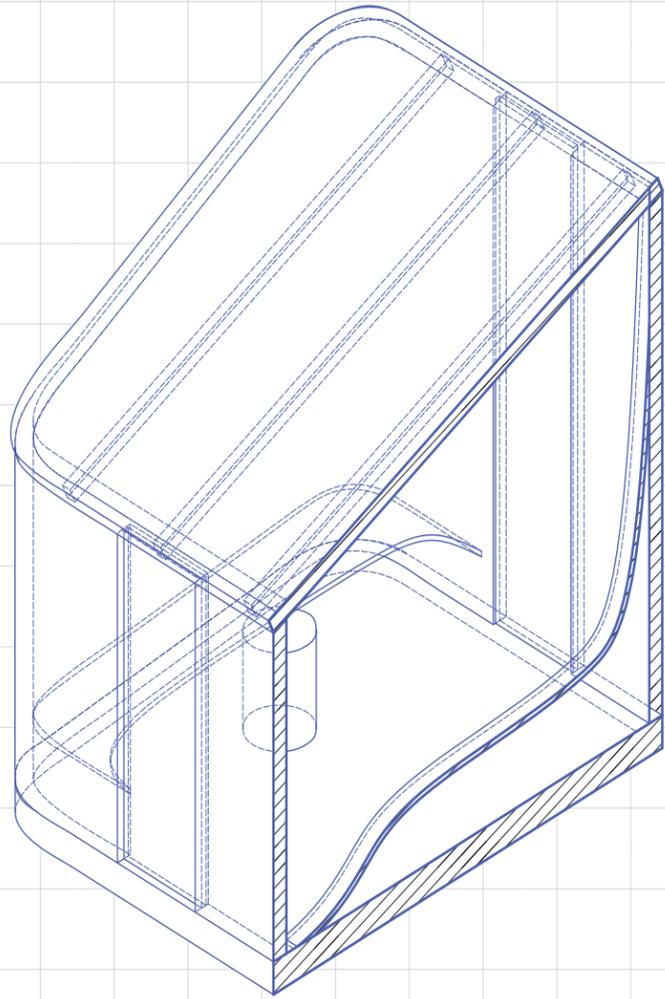


3. Innovation

The shape of the structure is aligned with the Suffolk County's pitched roofs but it encapsulates its own variation of the gable roof design. The modular nature of U/U Home gives the owner a choice in the number of structures to put on his property - what if another one of these structures was introduced to create more space? The diagram above shows such a possibility. The soft curves and cozy exterior spaces invite the bypassed to explore the ADU, and the floor-to-ceiling windows maximize the views reinforcing the biophilic design and keeping humans close to nature.

4. Compatibility

The U/U Home fits on the H2O street with its forward-looking yet traditional design and slanted roof. The design employs sustainable and visually comforting materials, and its neutral color palette gives its occupants a break from visual overstimulation. The homes in the Suffolk County are often associated with the beautiful beach / woods aesthetic, and U/U Home captures that in its essence. Its beige and white color dominance represents materials like sand and feelings like serenity, which are at heart of the Suffolk County community.

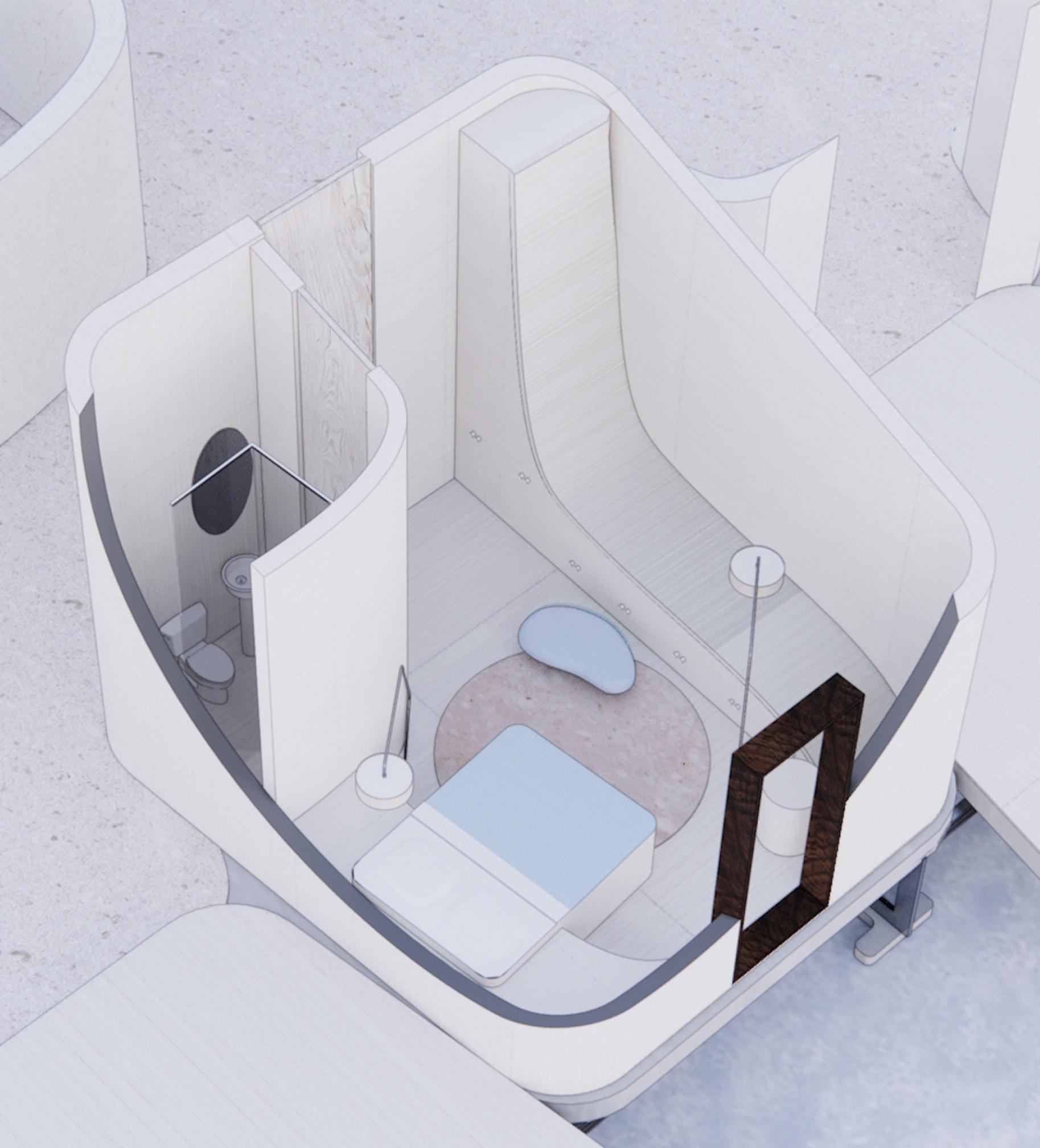


5. Affordability

One of the most important criteria for an ADU construction is its affordability, and U/U Home is constructed out of local and easy to assemble materials which ultimately drives the cost of building down. The use of modular panels made out of reused wood and prioritizing wooden construction allows for a more affordable construction process. The wooden floors, window mullions, prefabricated details for the skylight, partition walls, window glass, and wooden panels – the quality and price of the material can vary, but it remains affordable across a vast range of consumers.

6. Design Standards

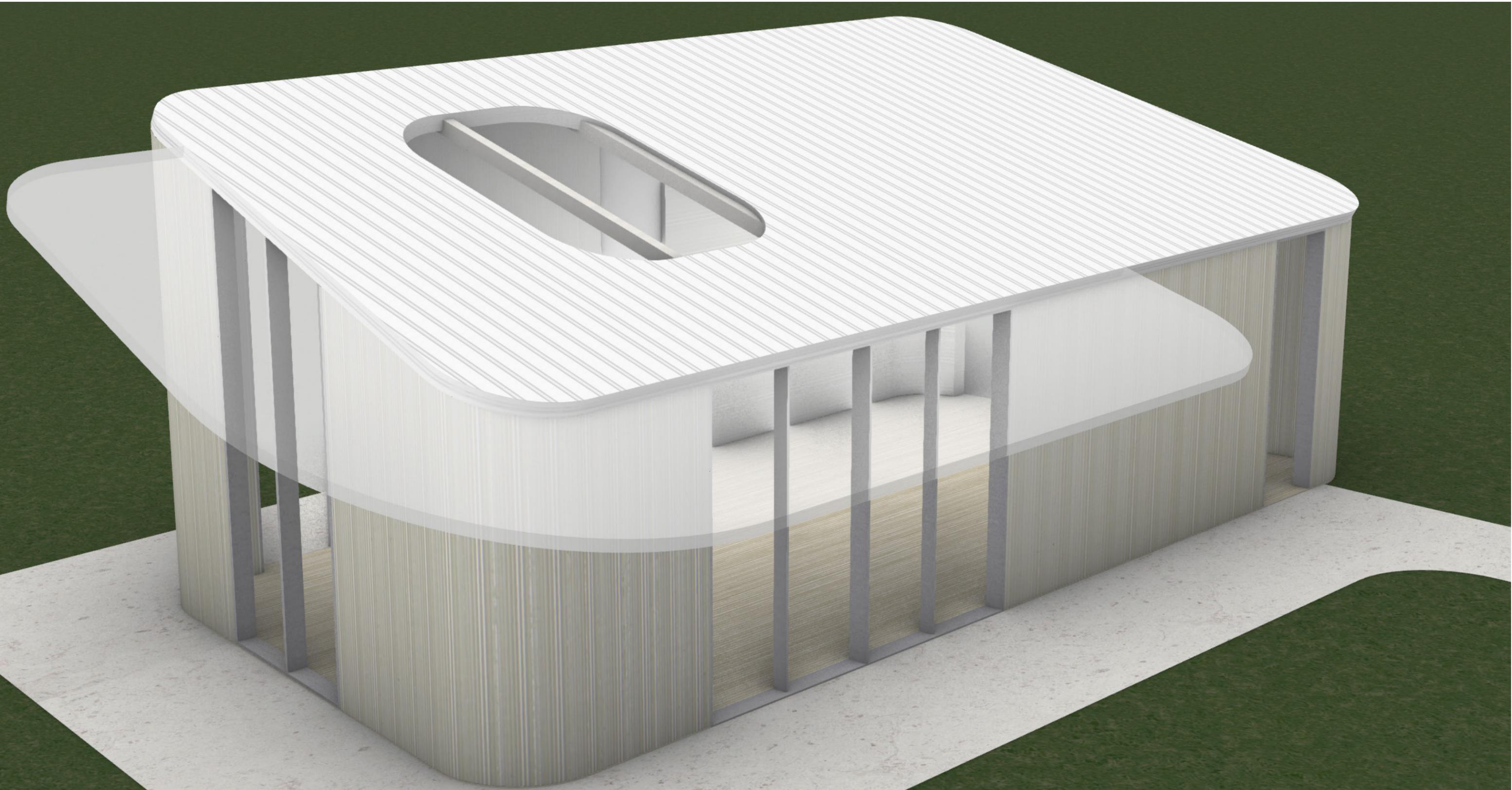
As ADU is a type of a dwelling unit, it is important to prioritize the privacy of the inhabitants. U/U Home can be oriented away from the main dwelling but once the dweller moves beyond the front door, he can discover the beauty of the backyard seen through the glass and have access to the outside. The spaces offered at U/U home allow for comfortable cooking, reading, working, sleeping, gathering, washing, and other humanly daily activities. The spaces adhere to WELL principles of optimizing human health. The abundance of natural light preserves human circadian rhythms. The space is properly ventilated and supports imperfect yet beautiful human living by providing a universal yet unique refuge for thriving.



Rough Cost Estimate

Rough cost of U/U Home: 175,000 - 225,000\$
(270 - 355\$ per square foot)

The cost is based on utilizing traditional and recycled materials (like wood, container sheets, reused metal, etc), using prefabricated modular details, calculating design costs and labor costs.



designed by Polina Stepanova

U / U Home