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ART 181
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Architectural Brief

1. About the Client

This dwelling was designed as temporary transitional housing for a single—but possibly two—person(s). The model is a tiny house on wheels (THoW), so it could be assembled and transported to a variety of sites; the parking lot on 28th was my main point of reference while laying out the structure. Each unit would be furnished with a desk, bookcase and kitchenette, and local non-profits could be coordinated with to provide food and books prior to each resident's arrival.

2. Choosing a Site

I chose the parking lot on 28th because it's an underutilized space in which multiple tiny houses could be built. It's particularly important for a building like this THoW to be grouped with others on a site because it has no plumbing. A shared building with bathrooms and showers would be necessary, though the parking lot has enough room.

3. Characteristics of the Site

The site is oriented east-west to the sun, which is reflected in the tiny house's design and orientation as well. There is a beautiful view from the lot of the West Hills, which the west-facing windows of the building would look out upon. Because the lot is an impervious surface, the house would remain on wheels.

4. Physical Mechanical Restraints and Needs

As stated before, a tiny home like this is made to be implemented alongside other units that share similar needs for restrooms, showers, and a place to prepare meals, whether or not they share the same design.

5. What Kind of Dwelling Did I Build?

I designed a THoW fit for 1-2 people. The building is 300 square feet (20x15ft) which is the largest square footage available to fit the structure on a bed to transport. Despite being envisioned as temporary housing, it's still intended to provide comfort and a space to spend time.

6. How Does Design Fit on Site?

The parking lot could house at least three of the THoW's, along with the aforementioned communal kitchen, restrooms and showers.

7. Best Materials

This structure would best be built with fir and pine, both for its structural properties and abundance in the Pacific Northwest.

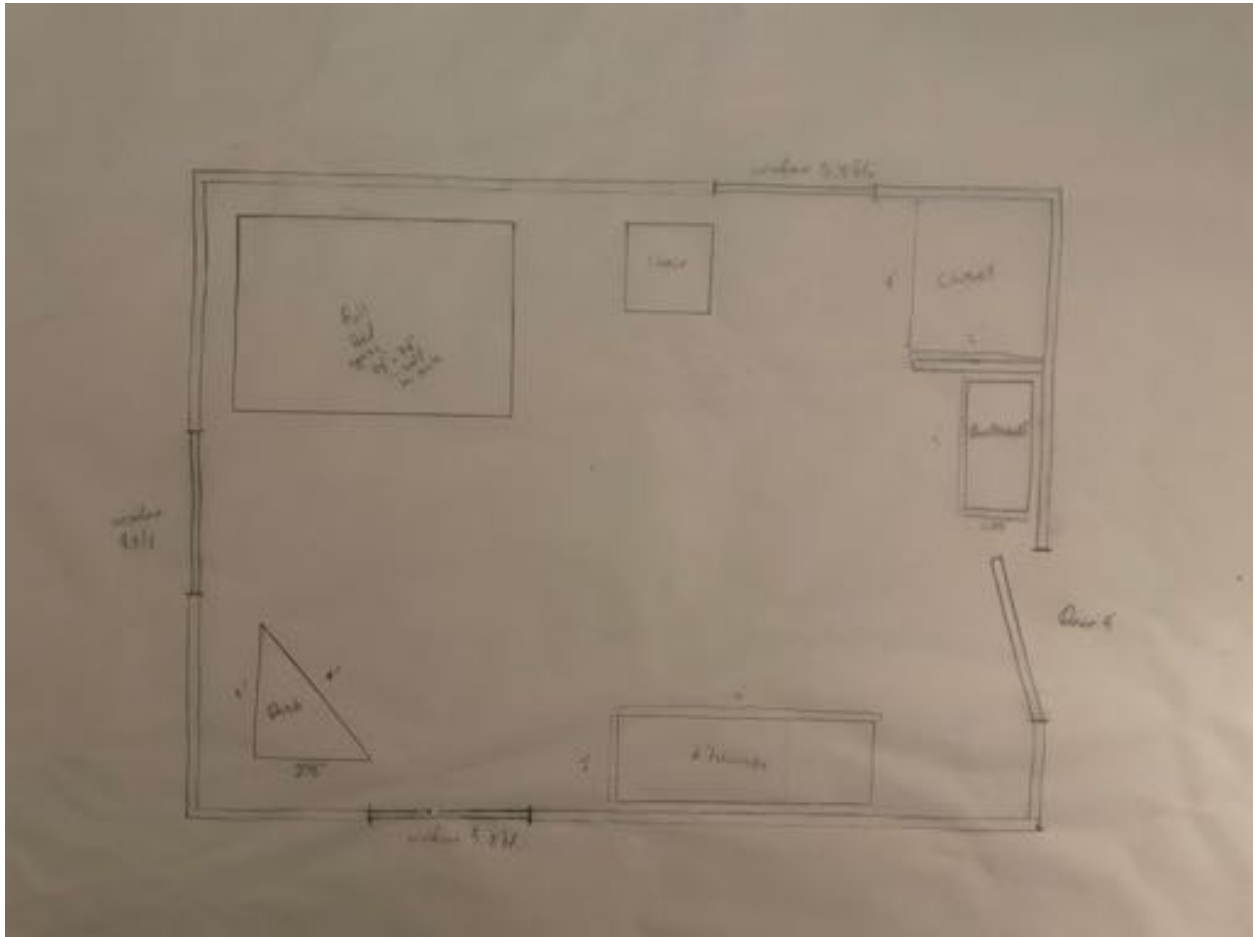
8. Visual Priorities

Since the sun has a perfect east-west trajectory over the site, I wanted to prioritize having a view of its path that would illuminate the building throughout the day.

9. Motivation

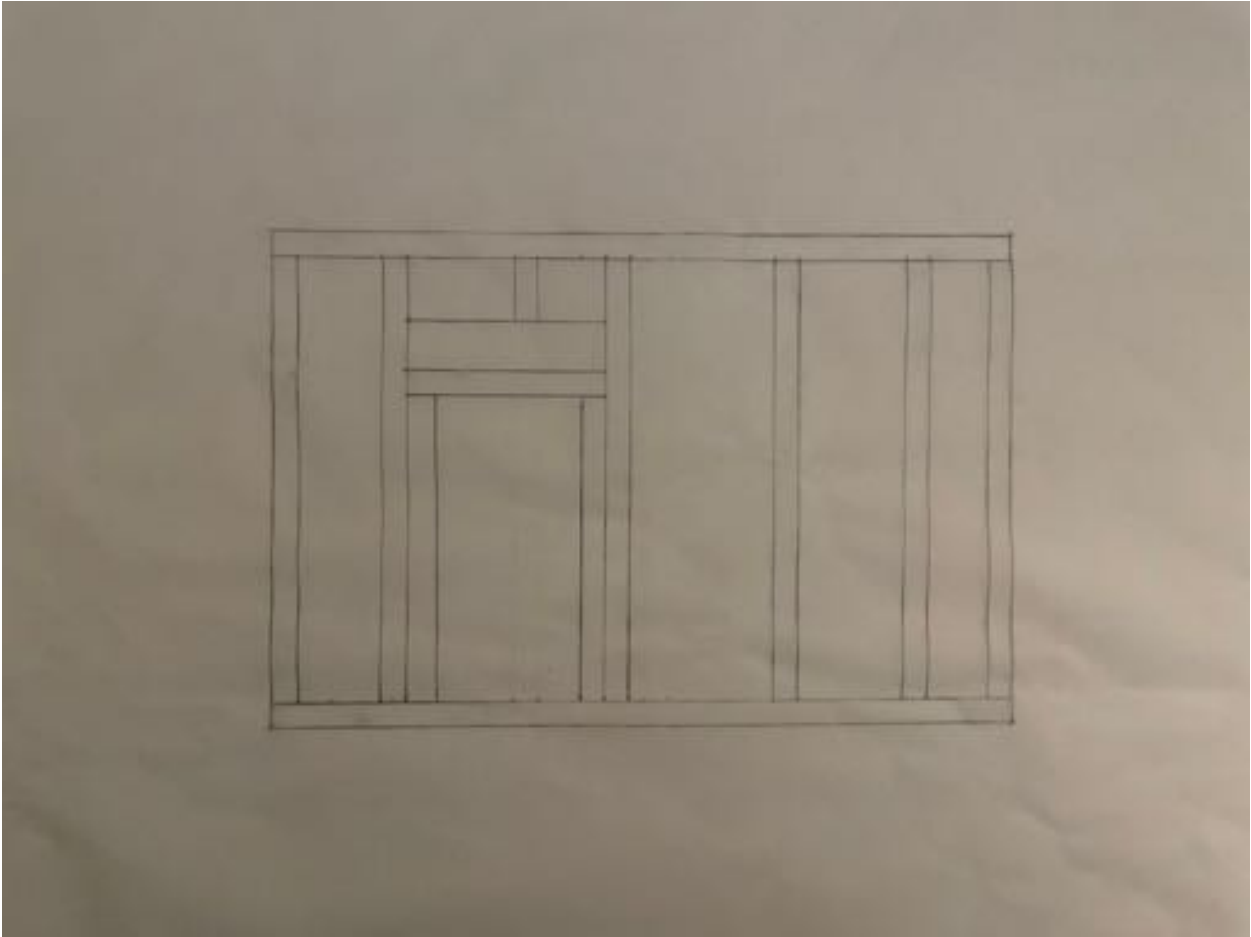
The motivation behind this project was designing a quick temporary dwelling that is also habitable. I'd also somewhat stress the importance of community in that there would be shared, external buildings that everyone in the site would rely on.

Floor Plan

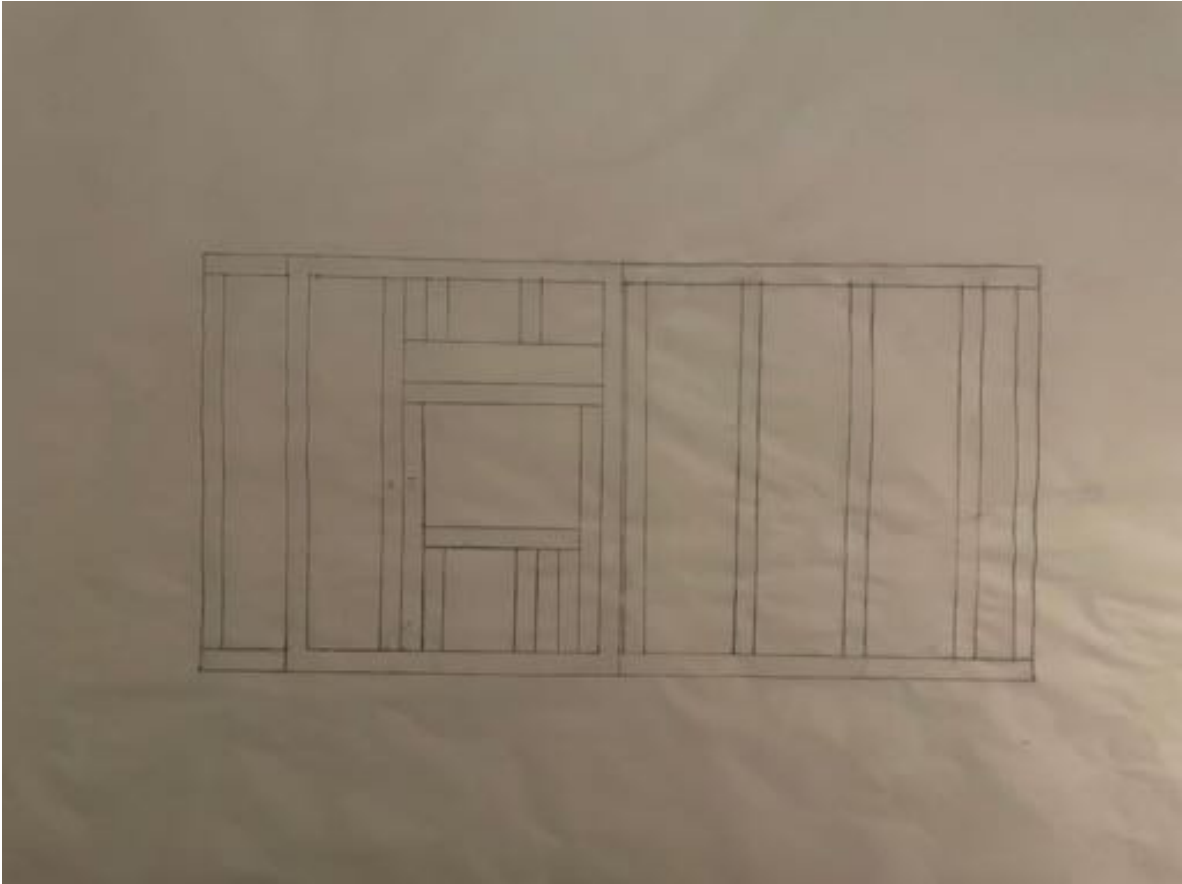


The layout of the interior makes use of the walls and corners of the structure mostly, leaving open space around the center. I was thinking about the movement that might occur throughout and felt like I should leave room for things to be reconfigured to the resident's preferences.

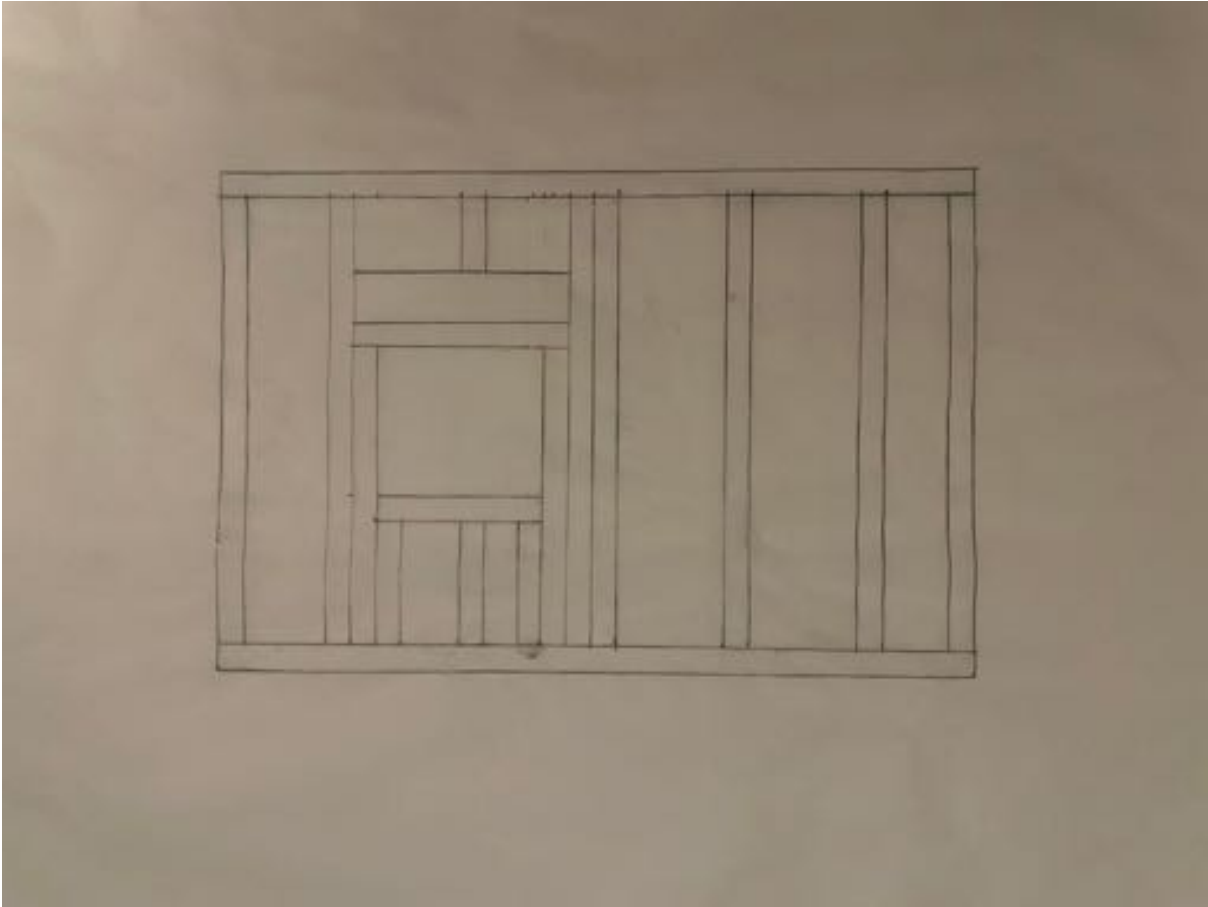
Front Elevation



Side Elevation



Back Elevation



Perspectives/Placements on Site









Photos of Model in Light











Process



