

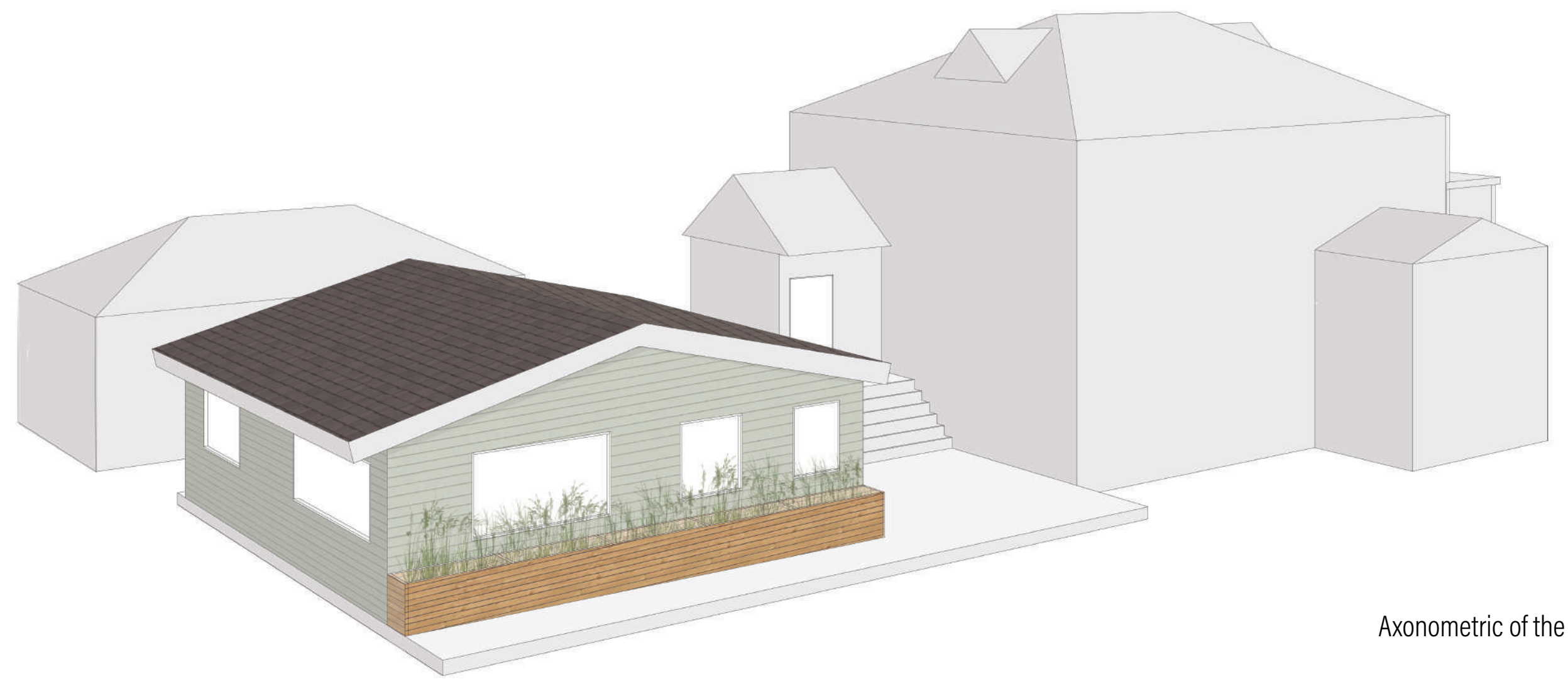
LOT MATES: Transtional Dementia Care At Home

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This project aims to create architecture differently by designing a home environment for individuals with dementia centering on a more holistic approach to the individual and their caregivers in order to provide more positive interactions and a better quality of life for both. Currently there are two environments that exist to house individuals with dementia, those being the home or long-term care homes. Current housing isn't designed for dementia patients which can lead to stress on caregivers who have to overcompensate for the mismatch between environment and user. Alternatively long-term care homes operate as a business providing standardized care that can result in a lack of privacy, over medication and a separation of family and patient as is being observed in the current Covid-19 pandemic. This leaves a gap for where individuals with dementia belong in the city. In order to address this problem, as well as keeping individuals with dementia close to their caregivers, a small home environment is to be designed.



1:100 floor plan of the tiny house along with the existing house of the lot



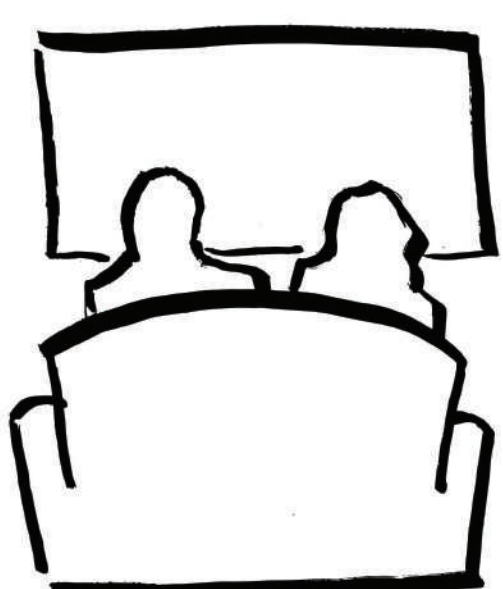
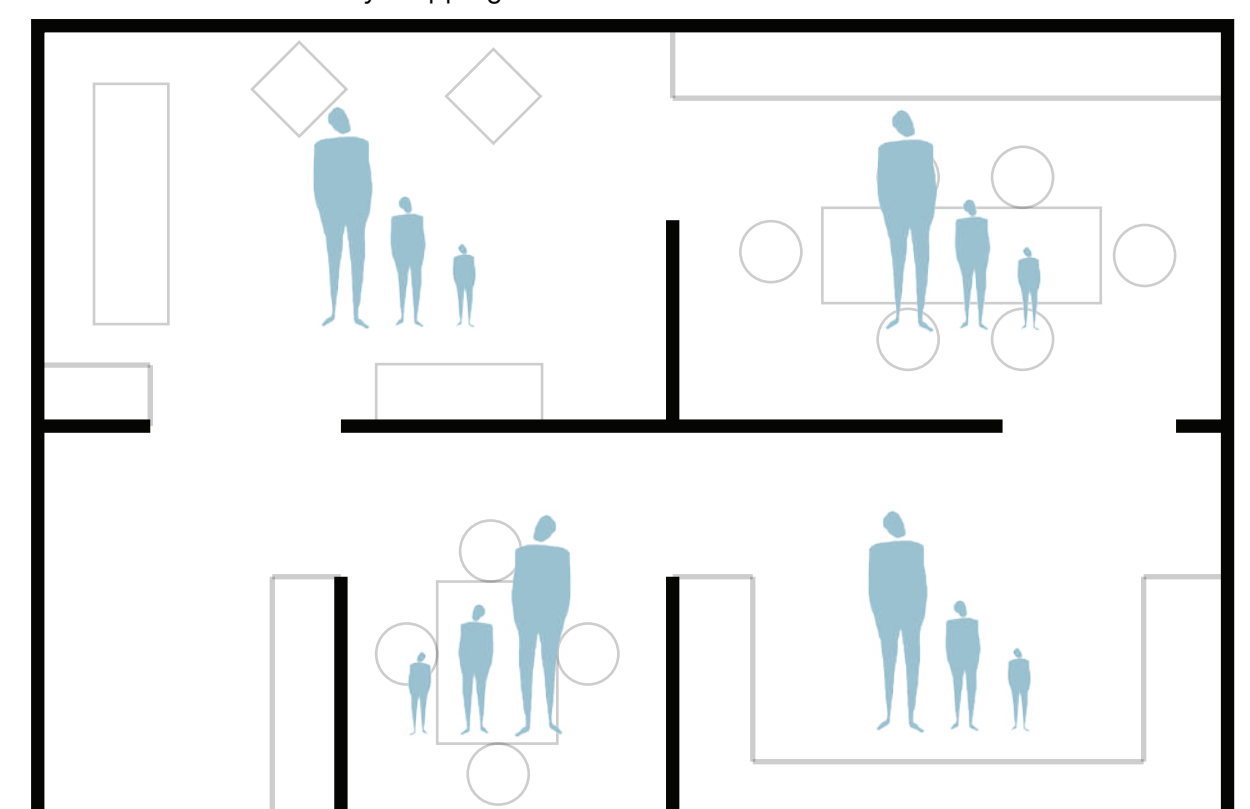
Axonometric of the tiny house



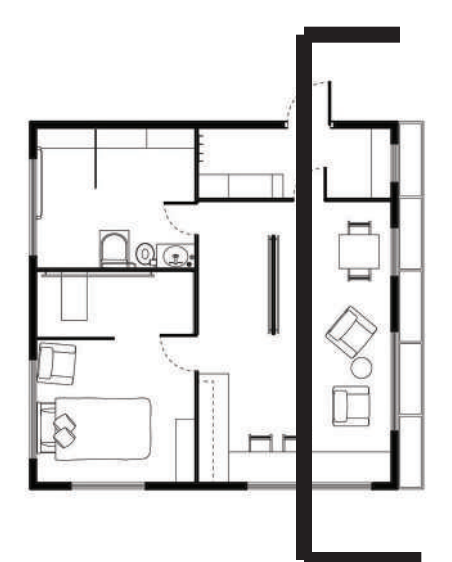
Memory mapping techniques of my grandparent's home, before and after receiving a dementia diagnosis



Discoveries from memory mapping



Passive Interactions
-watching tv
-having the presence of someone else in the home

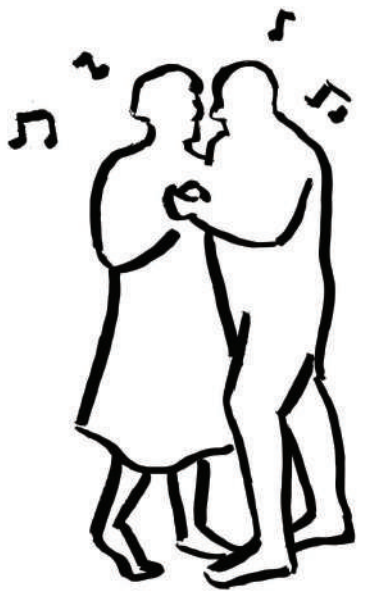


1:50 section of the existing home of the lot and the tiny house





Section perspective of the living space and entry of the tiny house

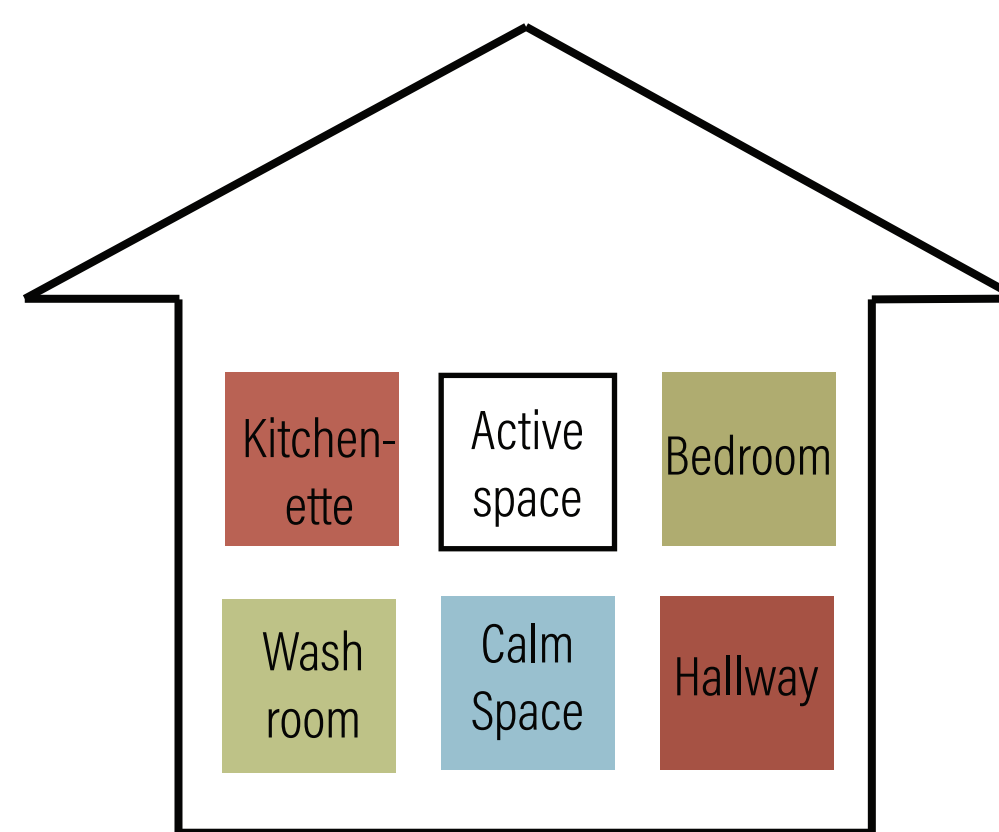


Active Interactions

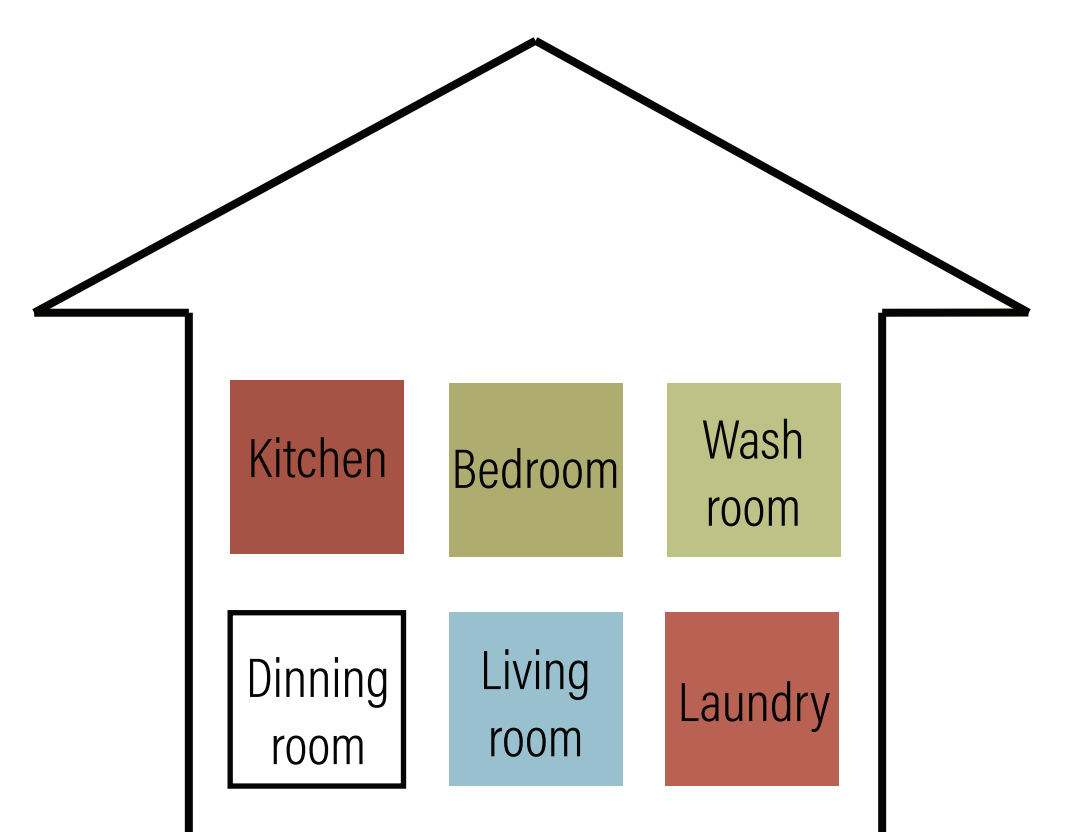
- dancing/singing
- playing cards & games
- gardening
- walking/wandering



Examples of the collage study showing the interactions between individuals with dementia and caregivers



Rooms in a house designed for an individual with dementia

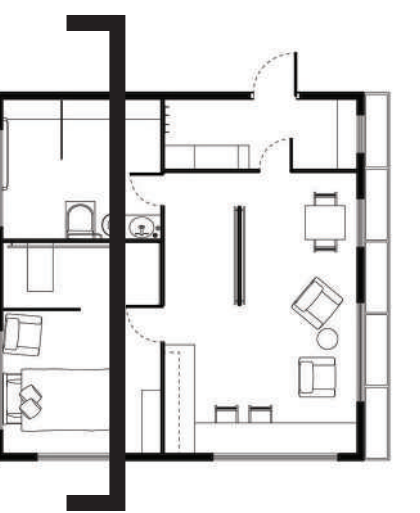


Typical rooms of the home

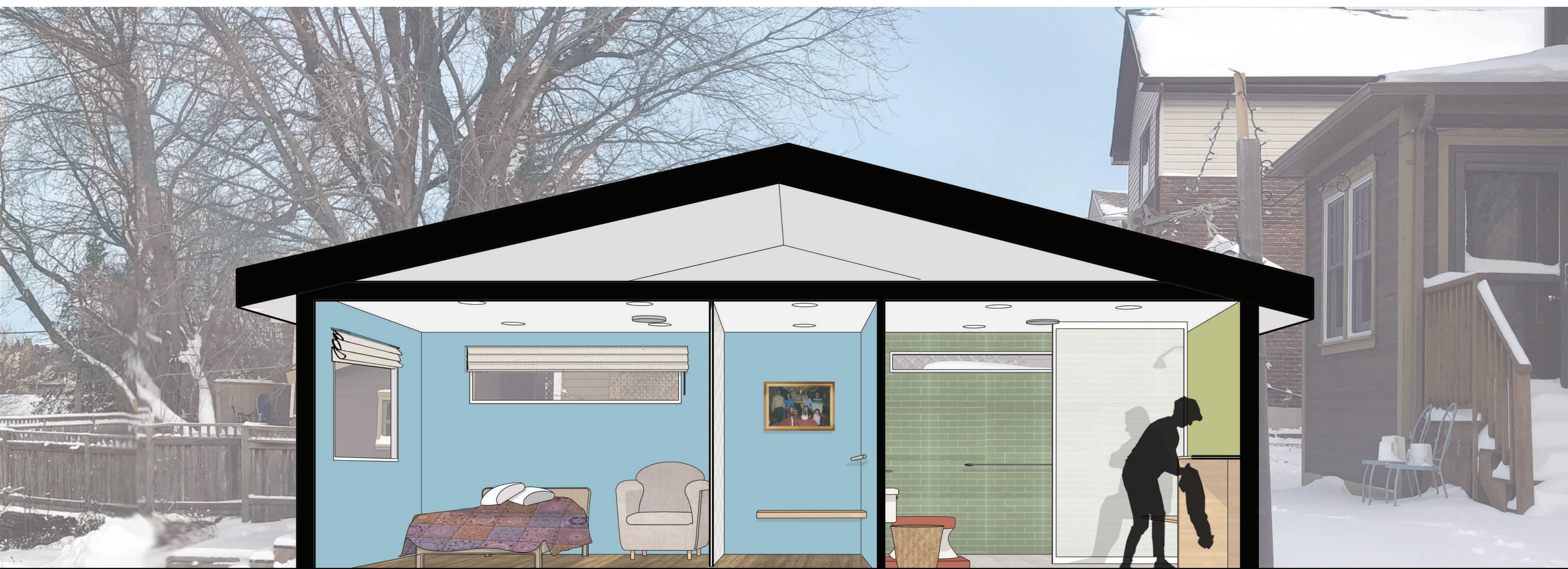


Care Interactions

- getting dressed
- bathing/cleaning



Section perspective of the bed and bathing areas of the home





Section perspective of the bed and living space of the tiny house



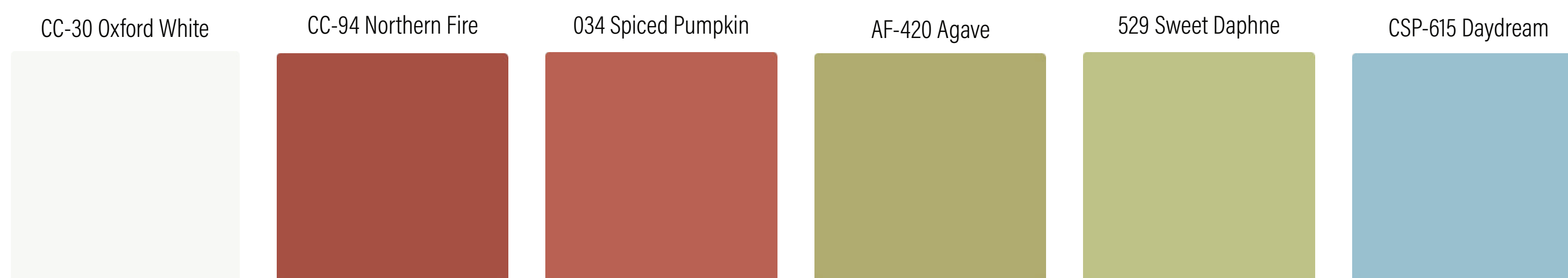
Task Based Interactions

- cooking
- cleaning
- folding laundry

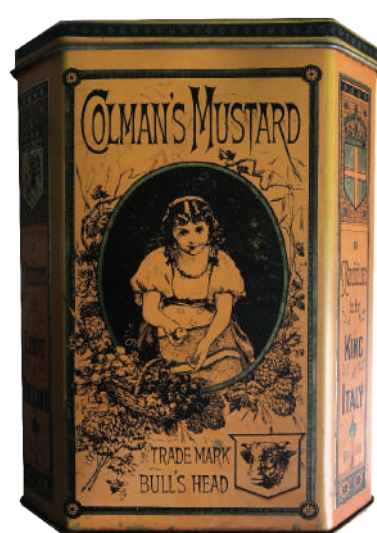


Colour Palette

The following palette is to be used as an example of wall colours & accent colours with different values and hues to aid in visibility and mood.



The Need for Comfort



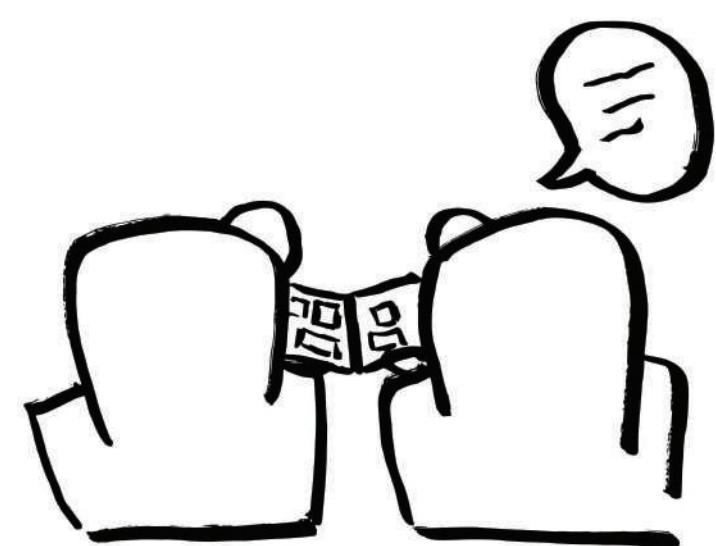
For this small home, although a majority of the space is pre-designed and planned it was still important to note that personal items and heirlooms can make the space feel more comfortable.

App Control & Timing Control

Support control by Tuya APP in Android / IOS phone



Specialty items are recommended to be included, such as pot lighting, automatic curtain and in ceiling speakers as a way to calm and improve quality of life.



Personal Interactions

- going through memories
- reading together
- talking



Section perspective of the bed and living space of the tiny house

