

DESIGN STATEMENT:

Embracing the background of the user, a homeless and potentially disabled veteran, the goal of this design is to create an oasis within the city- a place that is both **connected** to and **protected** from its surroundings.



THE SITE

The design of the site promotes a sense of individual space while also encouraging interaction with residents in and outside the community. The entrance into the site circulates around the Community Center and connects to the veteran services building adjacent to the site. This minimizes vehicular traffic while also providing a feeling of security as this separates the guests from the residents. The micro houses are distributed along the driveway and meander to the back to the site. Pedestrian circulation mimics this shape creating connections from the units to the Community Center, the Gathering Pavilion, the Community Garden, and walking trails.

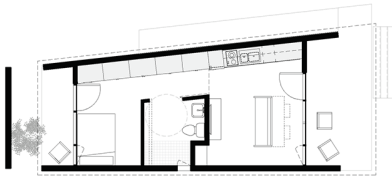


The Micro Retreat | Raleigh | Amelia Murphy



THE MICRO HOUSE

The design of the micro house was developed from the inside out. Storage efficiency and privacy became the focus of the design. Introducing an angled wall created a defining element for circulation and storage while spatially providing gradual levels of privacy as the space becomes more confined.

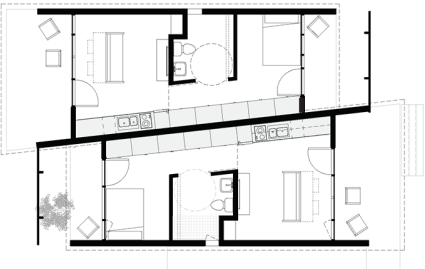


24 UNITS @ 392 SF
1/4" = 1'-0"

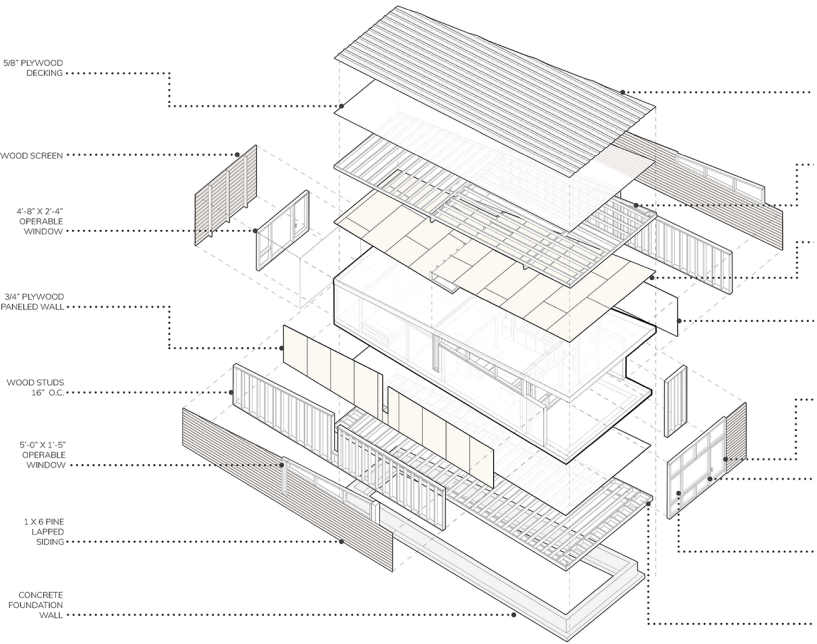


THE SHARED WALL

In maximizing the number of units on the site while providing enough site features and respecting the privacy of the residents, the benefits of combining two units can at times exceed that of the single unit. The storage walls are placed back-to-back, eliminating an exterior wall and creating a large buffer between units. The users will enter into their house from opposite ends of the building, creating a separation between neighbors.



1/4" = 1'-0"



DECIDUOUS TREES

- Deciduous trees grow and shed their leaves annually creating shade in the summer months and allowing light and heat to enter the space in the winter.



PERVIOUS PAVERS

- Water is able to infiltrate through joints in the pavers where it then passes through a bed of aggregate to filter back to the soil.



ROOF OVERHANG

- Allows more winter light to penetrate the building than summer light, thereby receiving light and heat during the cooler months.



PASSIVE COOLING

- Operable windows increase ventilation throughout the building while also ensuring indoor air quality.



LOW-E GLASS

- Allows windows to reflect radiant heat away, block UV radiation, and overall improve the energy efficiency in the house.



R30 INSULATION

- Reduces the amount of heating and cooling appliances needed to keep the space comfortable while also saving a positive environmental impact.



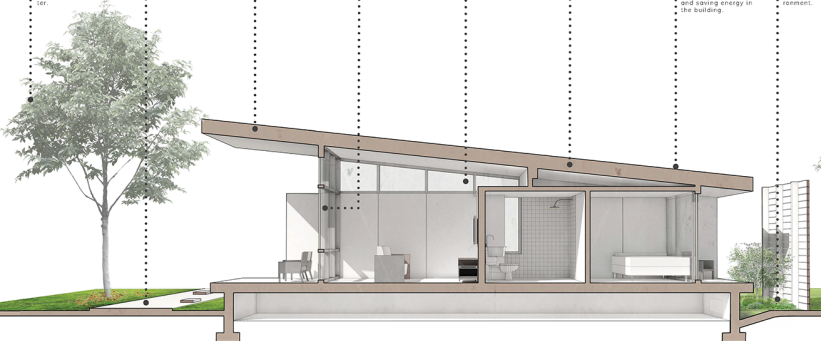
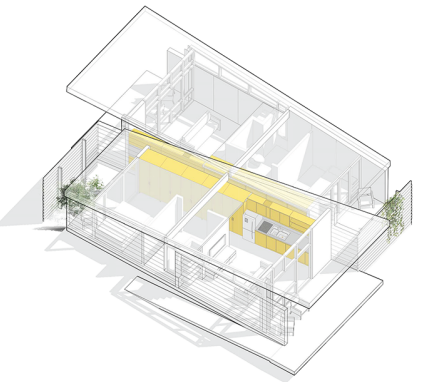
5V METAL ROOF

- In addition to its recyclability, this metal roof system is cost-effective and has a long life span. It reflects radiation from the sun, lowering the surface temperature and saving energy in the building.



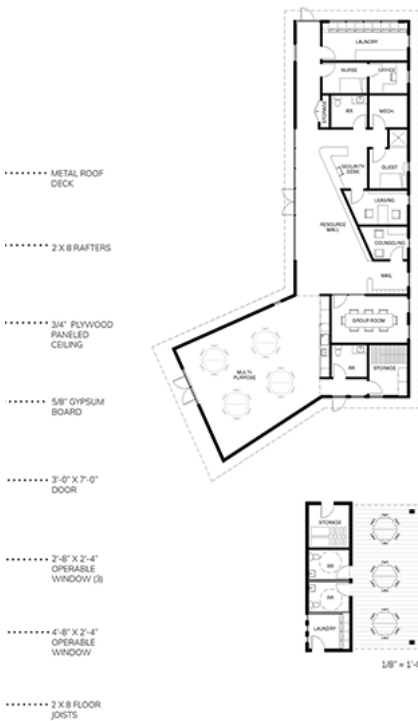
PRIVATE GARDEN

- Gardens on the back of the house where users can grow their own food and have a private outdoor space.



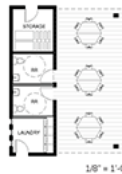
MICROHOUSING FOR HOMELESS + DISABLED VETERANS

NC State College of Design, School of Architecture | NC Coalition to End Homelessness



THE COMMUNITY HOUSE

- Multi-use Space**
 - Work Out Space
 - Movie Room
 - Kitchen
 - Dining
 - Celebrations
- Support Space**
 - Laundry
 - Group Room
 - Mail Room
 - Patient Care
 - Guest Room
- Offices**
 - Security
 - Leasing
 - Counseling
 - Resource
 - Nurse's Office



THE GATHERING PAVILION

- Pavilion**
 - Outdoor Event
 - Birthday Party's
 - Covered Workout
- Support Spaces**
 - Outdoor Storage
 - Laundry
 - Bathrooms

PLYWOOD PANEL INTERIOR

CONCRETE FOUNDATION

WOOD SIDING

