

# SNHAIL

Sustainable Non-Profit Housing, Affordable Independent Living

A design proposal, in words.

## Vision:

A world where those who are unhoused no longer have to worry about access to basic human resources; starting with: their own portable house all the way to a community they can choose, build and thrive within.

## Design:

### First off: the Shell.

The Shell is comprised of a large circular living space with an entry way off the side that curves around the main living space. The material composing the shell is lightweight, flexible but sturdy, heat resistant and insulating. Sewn in to the outside material is a band of flexible solar panels that transmit energy into the shell when docked. The bone structure supporting the shell is equally as lightweight but sturdy (such as the fused Graphene produced by MIT researchers in 2019!) with lock-in-place sockets so that the structure, when ready, can be folded.

Inside is simple. A light from the ceiling, flat and a part of the fabric. An electronic socket embedded in one of the bone structure rods. A thin, non-flammable effective heat conducting system following the length of each rod from the top to the bottom to effectively heat the shell. All powdered by the solar panel band.

Part of the floor space is inflatable, for a mattress to be brought to life once the Shell is docked.

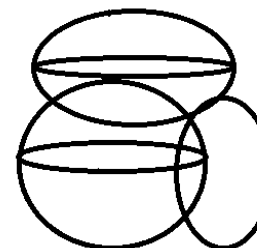
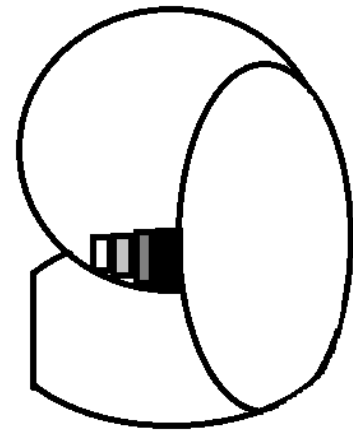
## Define:

**SNHAIL:** Sustainable Non-Profit Housing, Affordable Independent Living

**Basic Human Resources:** Shelter, nutritious food, healthcare, community, and companionship .

**Houseless:** Without a shelter.

**Homeless:** Without a home.



# HAIL

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## Design:

### The Transformation:

Upon the Shell owner wanting to relocate into another community, the Shell will need to be fully portable.

#### This means:

The inside is easily compactable—the inflatable mattress is deflated, all materials inside can be safely stored.

The structure can be folded at the joints of those lock-in-place sockets.

The outside material is foldable, so that when completely dismantled it takes the shape of a rectangle or a long triangle, (depending on design and shape of each Shell) that—the key part! - can fit into a portable backpack system similar to that of a long distance hiker.

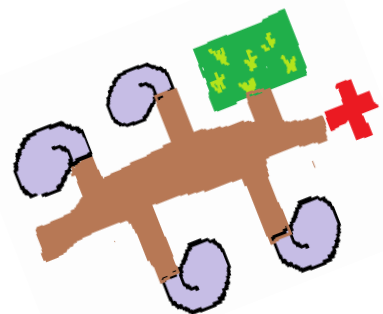
## Design:

### The Community:

A home for the Shell and Shell owner. An eco-friendly, self sustainable community that provides companionship, access to necessities that can better their life and at the end of the day give them a platform to build, rebuild, or simply live their lives in peace.

Each community will have Shell docks—squares of elevated recycled wood to eliminate damage to the earth with long term materials sitting atop. A location for the Shell owner to plug into a power grid, a communal battery, that their personal solar panels will power for their house and the community.

Key community staples include: a community garden, kept up by the travelling or home based Shell owners. A community health clinic that is visited by community health workers. Community showers and restrooms. Other Shell owners, creating a healthy, companionable environment that allows these individuals to find a more sustainable, reliable, and welcoming long-term or short term home.



# The Why:

## The Inspiration:

I have volunteered with the unhoused community for many years. I've worked within or heard of unique programs that have sought to solve the grave problem of houseless living, physically and mentally—from government funded "rehabilitation" programs to faith based outreach events. While there exist some great options, I've talked with houseless individuals who have been approached by government offers to house them but have declined due to government involvement and this fear, this unknown about how the system will treat them once they've re-enter. I've met brilliant yet mistreated individuals, wise and very ill travelers. I've seen a general lack of empathy for this community and more importantly I've seen a great misconceptions that all houseless people are looking for a *home*.

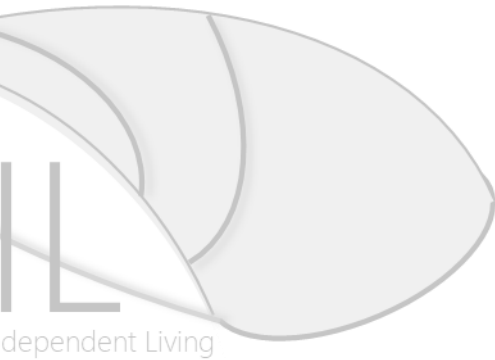
Thus, the solution for *houselessness* became my mission while honoring houseless individual's already unique homes and communities—with a vision also of sustainability.



## The Impact:

The Shell and Shell community has been designed with eco-friendly materials and sustainable actions in mind: All recycled, if possible, material. Solar panel sustainable energy individuals can independently generate and contribute to a community. Locations for health check-ups that come to them—this can be visited by medical students and professional alike who want to experience and learn the valuable lessons of community care—thus building patient empathy. A community garden that gives back to the earth and nourishes individuals to solve problems of poor nutritional health in houseless individuals while easing the worry of finding a meal. This garden can also turn a community profit, why not sell to interested organic buyers and bolster your community resources!

The measurable and rewarding difference having a stable house, good nutrition and community support can have on an individual and their surrounding environment.



dependent Living



# The Finale:

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In a way this idea is not radical—providing for one of our most in need populations in the most basic way.

However, the process, the community and the sustainable nature that is being proposed is.

Imagine what we can do for the earth in creating greener communal spaces.

Imagine what we can foster in individuals outside of the houseless community.

Imagine what we can do for an individual who was houseless but is no longer, and able to move independently and grow within their house, within their *home* and within their chosen community.

If we promote simple, kind, independent, sustainable living in *all* levels of our society, imagine the world we can create.



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