

SAFE HAVEN

Beau Bezanson / Net Design Positive Studio / 2021

The house is a safe haven, designed with passive strategies to be environmentally conscious while prioritizing comfort and community connection. When it comes to a home, one should feel safe in their environment. At the same time, the strategic house design aims to be economically friendly and sustainable. To do so, an open floor plan is used to make a small footprint feel large. The openings and materials of the interior encourage the user to take better care of the house and interact with others, internally or externally. The private spaces are pushed to the back, East side, to provide more privacy and feeling of safety to the user. In effort to save extra money, all the plumbing is located to one area of the house. Additionally, the form of the house uses the climate for passive design. It is optimal for solar gain and cross ventilation throughout different periods of time in the day and year.

The Net Design Positive Studio aims to solve the affordable housing crisis. This project is located in Kansas City, MO. Our client, Mattie Rhodes, is a non-profit organization seeking to help people find affordable housing while making an impact on the environment. As a studio we were tasked with designing a 3 bedroom/2 bathroom house with a maximum of 1,200 sq ft. We also needed it to be sustainable. Therefore we went through different studies of the site and collected data to design a net zero house. These different aspects led to our various designs and ultimately using the natural resources such as the wind and sun to control comfort in our houses. We also had to keep costs in mind, trying to make this home as affordable as possible for construction. Our goal was anywhere from \$150,000-\$200,000. With all these things said, our designs needed to meet all aspects of the criteria while still fitting into the community and having its own unique architectural language.

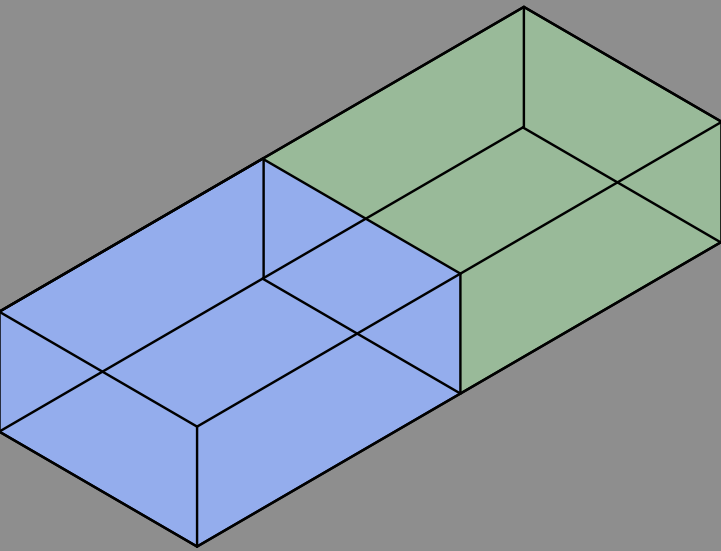


Location Map

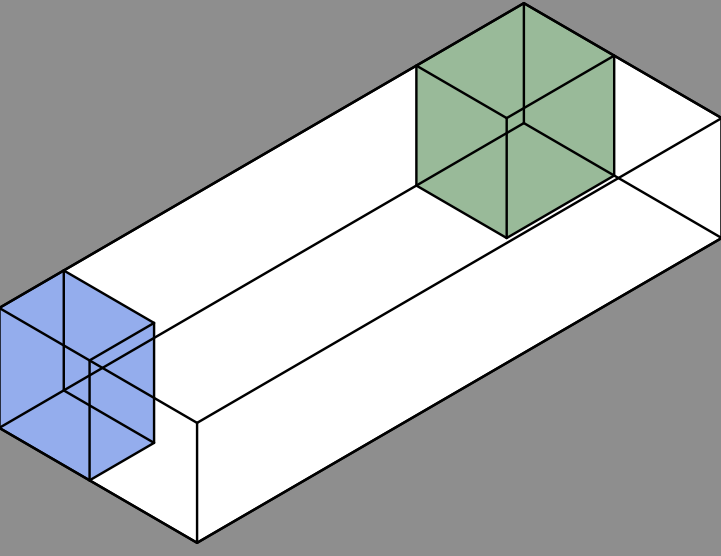


Site Map

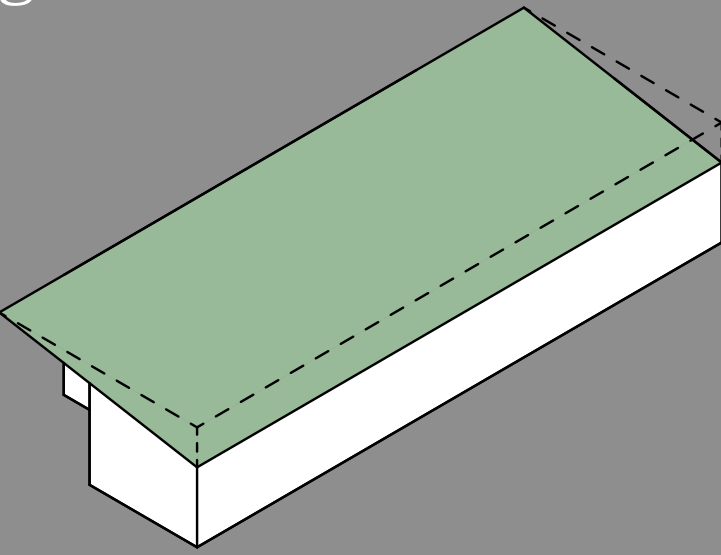




Public v. Private
The public portion of the house is located in the front to make the private spaces more private.



Community Connection
A public porch and private porch are created on each end to encourage community engagement.



Passive Systems
A shed roof is used for possible solar panels as well as to help cross ventilate the wind through the strategic openings.

