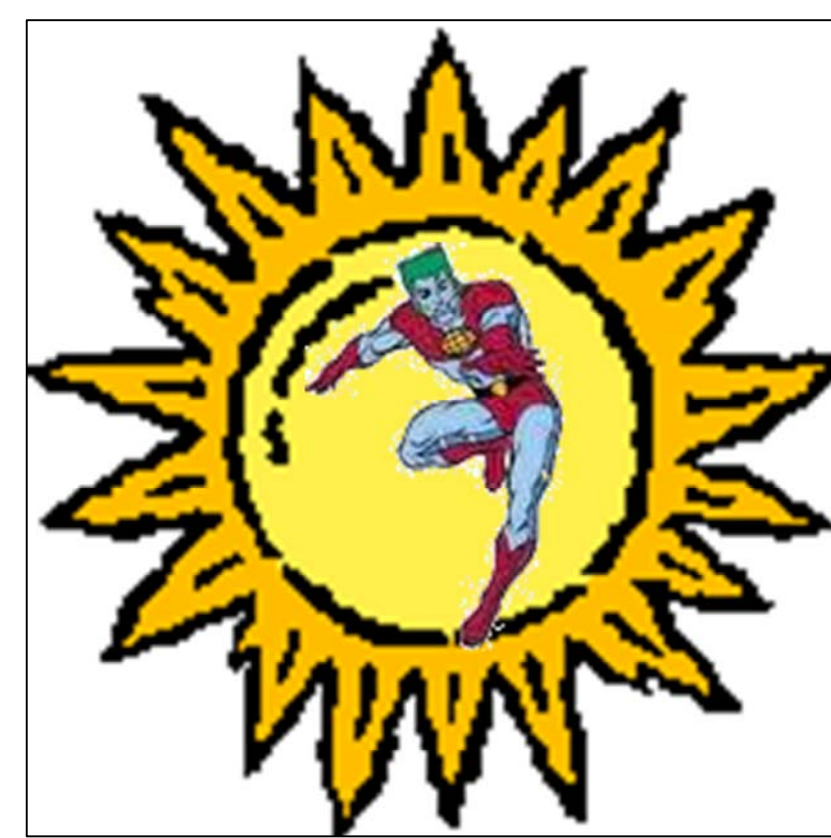


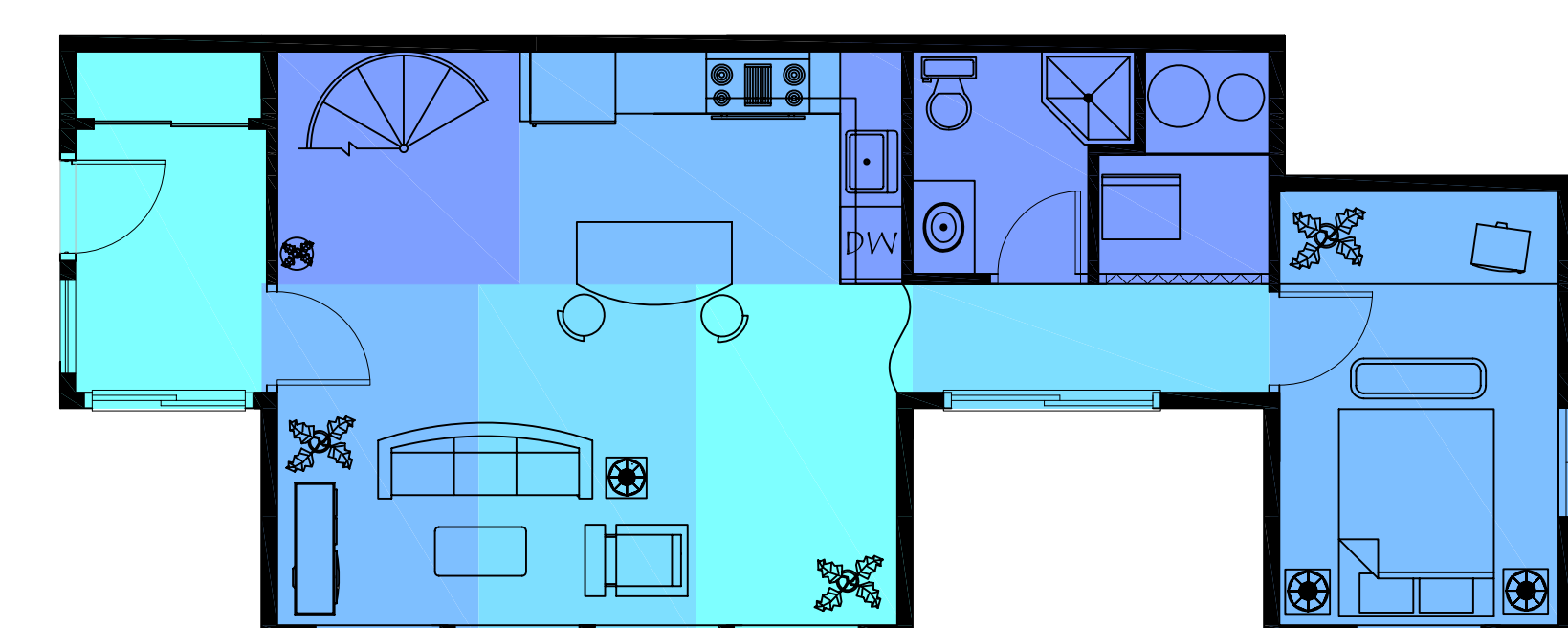
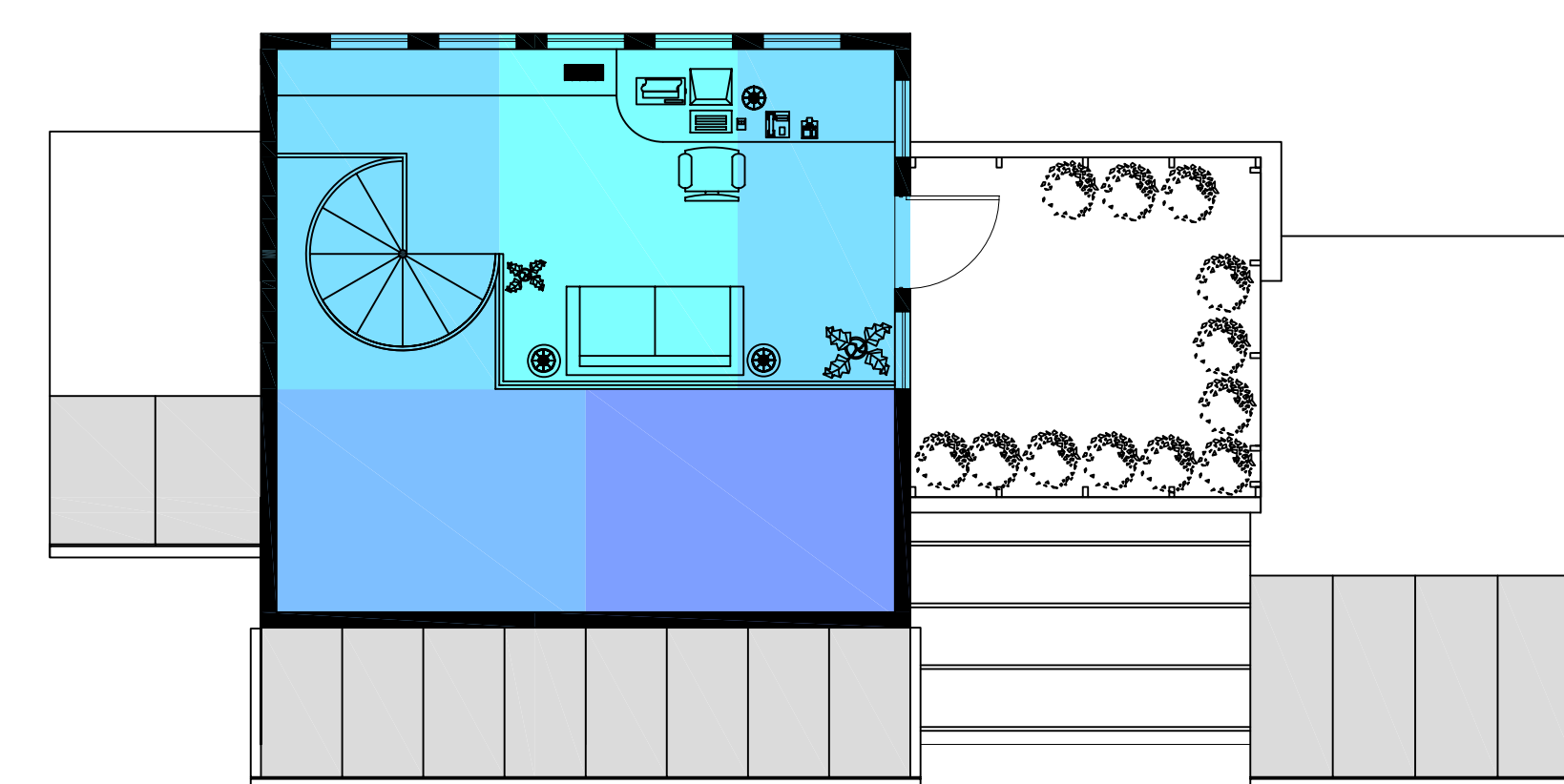
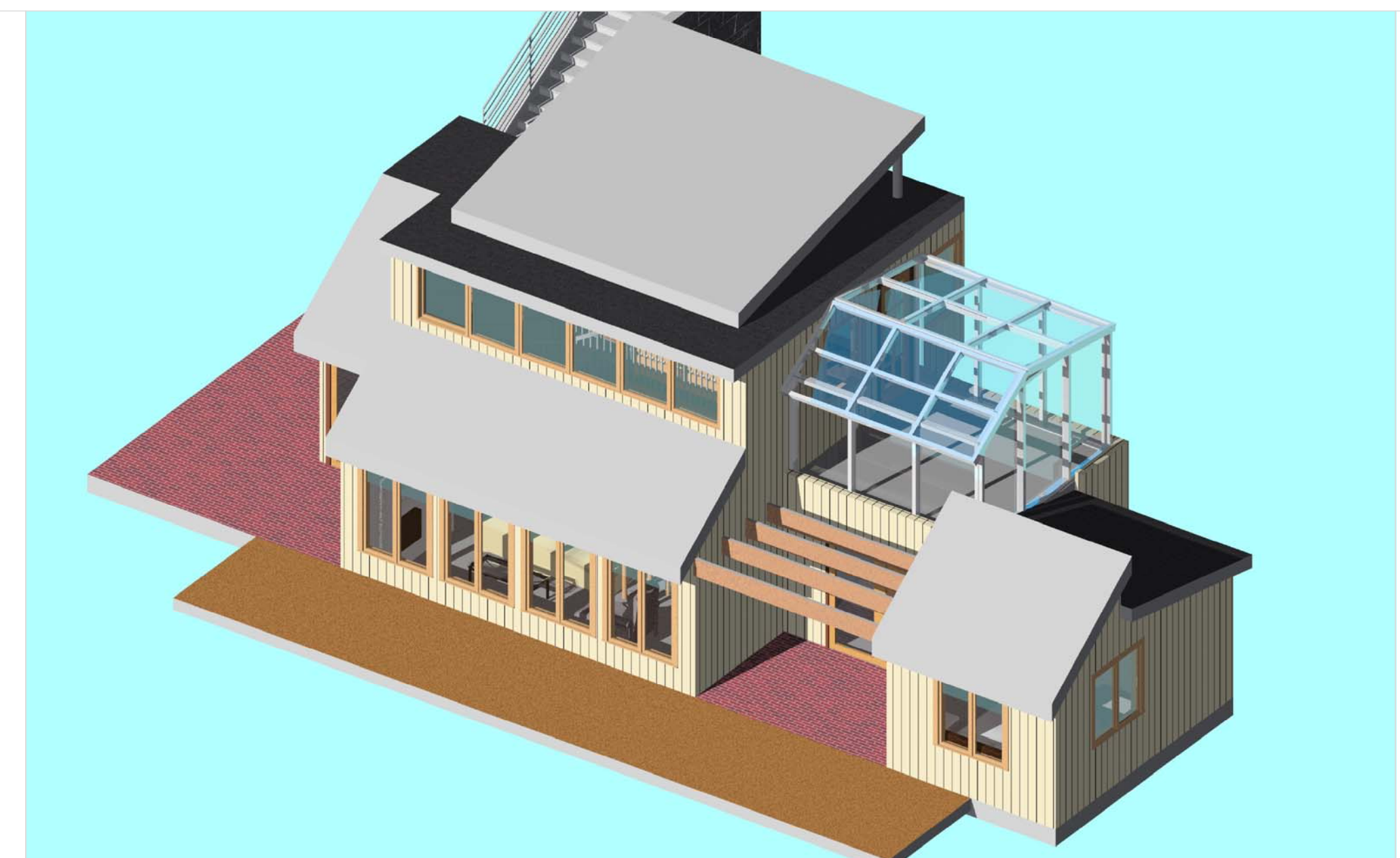
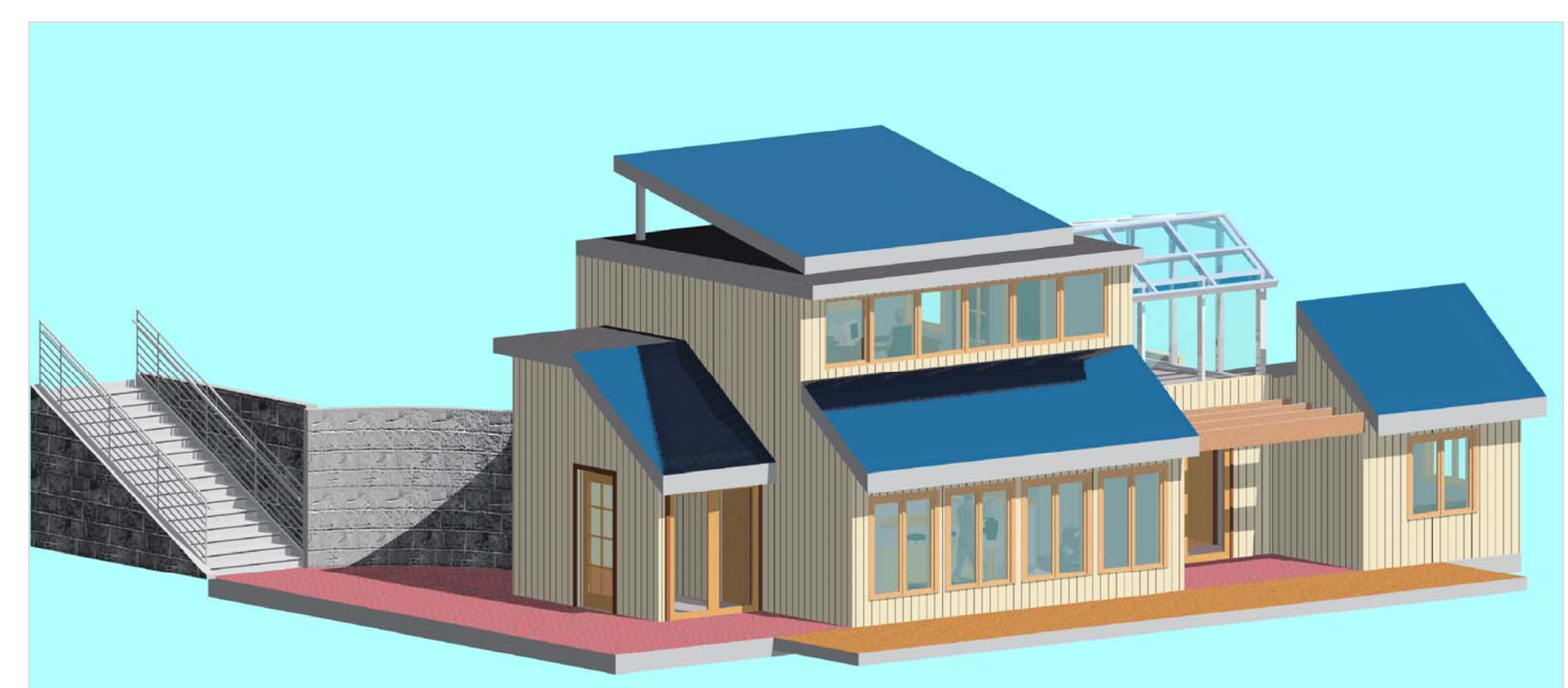
# The Morningstar Home



The *Solar* Power is yours!

Designed by: The Planeteers

Our proposal for the Morningstar Home is oriented on the North-South axis with a hallway going from West to East. This allows for more room units to be added if the family expands. Rather than by a whole new house they can just order another bedroom and add it to the east side of the house. The mudroom is completely optional as either door can function as a front door. To place the house on the site in State College we recommend first building a footprint and a retaining wall creating a shelf on which the house can be placed. This way the house can be built as a mobile structure on a permanent foundation. The solar array on the roof can be moved up and down with the angle of the sun to maximize electricity production, although while in Washington D. C. the array must be flat do to the height restriction of the competition. Also there is the option for a greenhouse on the roof, which would allow time to be spent "outside" during the winter months. The greenhouse also allows for the implementation of Partial Photovoltaic Glass Panels to gain more electricity from the sun. A Solar thermal heat panel will be used to heat the water for the radiant heating system in the floor. With this house; The Power is Yours!



The house could be broken up in this way and stacked inside of itself for transportation.