

Container Home Project

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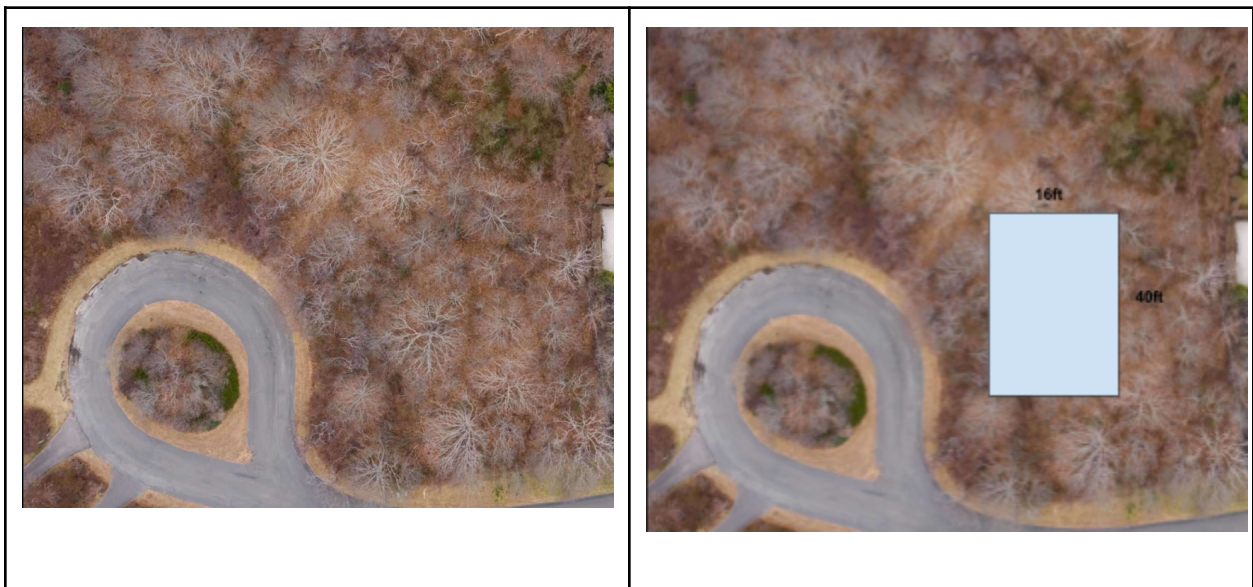
Collecting Information:

Who:

We intend for a nonbinary adult in their 30's with a stable income to occupy this container home. This person would be a nature lover, and planned the container home as a sort of escape or vacation from the city to be immersed in nature but with the start of Covid-19, they decided to use the container home as a work-from-home office. Our occupant is also an amateur astronomer, so they will use the roof for astronomy. They would have enough money to buy land but not enough for an entire home, so they are looking for an affordable option. The home would fit one person comfortably, but might be able to fit a couple guests as well. The occupant probably will not have much neighbors and it would probably be a very quiet neighborhood. If there are any visitors, it might be friends and family who are just checking in and would probably not expect to stay for a long time. The container home will have a more cozy, wood aesthetic to match the surrounding forestry. The only large concern may be wildlife and the occasional car but those would probably not pose much of a problem to the occupant, since Long Island doesn't have any "dangerous" wildlife that serve as a potential threat to our occupant. In the middle of nowhere, there will probably not be any specific people that would take an interest in causing harm to the occupant either. In terms of emotional and physical needs, the occupant probably wants a private room that doesn't have windows so they can do what they want. They would also want a place so they can view the stars and sky, and place their astronomy equipment.

Where:

The container home would be located in a place surrounded by nature but at the same time within reasonable distance of civilization. It will be located at 14 Clearview Dr, Montauk, NY 11954, USA. We selected this site because it is in Long Island and is relatively close to NYC and is relatively urbanised but is still forested, has nice views, and is near the beach. Since the container home is so portable it can be handed off to another person who needs a home, therefore reusing it. After its use has ended, the metal, fabrics, and wood can be recycled; the only major problem is the styrofoam insulation, which is hard to recycle. The weather conditions in this area are probably similar to that of the city's, with mild summers and colder winters. The only difference might be that it is more windy in Long Island, as it is near water. The plot of land is near a building on the right and is near a road on the left. The land in that area might not be very flat in that area and the trees have to be cleared in order to build the container house. It is in nature and near water, so it is probably very good for the health of the occupant and is relatively safe.



What

One shipping container will have dimensions of 40ft x 8ft and putting two together will give us a space with the size of 40ft x 16ft. For insulation we will use styrofoam insulation on the outside of the building to conserve space on the inside and to prevent health problems. On top of the insulation, recycled wood would be placed, giving a feeling of coziness and the wood plates' repetition gives off a feeling of calmness and tranquility. To make the inside more aesthetically pleasing, drywall or wood

panels will cover the container's metal exterior. An outside terrace could also be built using recycled wood. The overall shape of the building will be very flat, emphasizing the horizontal lines, making the building have a calm



feeling. Using recycled glass or a strong see-through plastic, an opening can be made on the roof, allowing light in throughout the day. Surrounding the opening on the roof, we will have solar panels for clean energy. Using recycled clothing, we can make an aesthetically pleasing interior



with rugs and fabric wall coverings. Because of the surrounding wilderness and our occupant's enjoyment of hunting, we will have multiple animal skins and heads in the interior of the building. With enough self-education, most of the skills required for the construction of the home can be learned such as

welding, plumbing, electrical wiring, insulation, etc. The container home should last a minimum of 13 years, since that is the average ownership period of a home in the United States of America. In the container home, we will have a living space, a kitchen, a place to sleep, and bathroom with a sink, shower, and toilet. Our occupant can also use the top of the containers as a place to do their mature astronomy; when it's cold outside, they can use the opening in the roof to perform astronomy.

Why:

The container will be used as a secondary home for the owner, a location to relax in for a short while and to work from home during the Coronavirus pandemic. It will be suitable for extended stays (1 week+) but is ideal for shorter stays. It will convey an upper-middle class status as it will not look gaudy but not shabby either. It will also be very eco-friendly as it is created as a place to observe and enjoy nature. A shipping container will be used as a primary structure because it is affordable and convenient, as it also provides a good base structure for a residence. This housing is practical as it is re-using an existing structure (the shipping container) as a base, saving cost and resources. Another reason we decided to use shipping container homes is because it has been done many times and there a lot of guides on how to build a successful one. Homes made from shipping containers are also becoming more popular because of the aforementioned reasons. Because of this increase in popularity a shipping container home can be viewed with value if the owner sells their land, meaning the owner can probably turn a profit on the land. This type of home is also easy to dismantle if the owner wants to build another house on their property and is significantly easier and less time consuming to build than an actual house.

Brainstorm:

- No walls except between the living space and bathroom which contains a shower, sink, and toilet only.
- The stove can be hidden away with a plate making it an extra counter.
- Windows can open to the outside allowing for shelves to be placed in the windowsill.
- Insulation can be placed on the outside of the container in the way of hungarocell allowing for a bigger interior.
- Houses should be built on stilts a little above the ground like 1 foot.
- The entirety of the container must be painted in a rust protective coating.
- Using wood a terrace could be built on one of the sides
- Solar panels could blanket the top of the containers
- Inside of the container could stay metal or be plated with possibly wood.
- Shower head can function as a faucet for the sink.
- Using scrap glass or a strong see through plastic a sunroof can be created
- Windows on the side should be placed so that the sun shines in during sunset and sunrise