

Shipping Container Home Design- Schematic Design Phase

Background Information

- **Purpose:** Create an alternative home design by repurposing shipping containers.
- **Location:** Your choice. Select a site which you can photograph and measure, or find an aerial.
- **Target audience:** Individuals or families interested in alternative housing solutions. You select the client. It can also be yourself.
- **Size limitations:** Up to four containers, 40 feet x 8 feet each
- **Materials to be used:** Containers and recycled materials.
- **Budget constraints:** \$30,000.00 including the cost of the shipping containers, which cost about \$1,500 each. Site is not included in this cost.

Precedent Studies/ Research

Research shipping container architecture to see how others have repurposed shipping containers into buildings. Do a simple Google search as well as looking at [JYA-RCHITECTS](#)

Things to Think About

Make a list of the features you want this home to have. What is important? Lots of space for entertaining? A quiet, relaxing area? How many bedrooms? How many bathrooms?

What basic necessities will you need to add to make this space livable? For example, you will need to add plumbing, electricity, and insulation. What else is needed?

Consider the size of your site. There may only be a certain way the shipping containers can fit on the site, so try a few different combinations of the containers, including putting them in multiple levels.

How will the outdoor space be used? When you design your shipping container home, keep the site in mind.

Sketching

Start sketching (**NO CAD**) sketching, sketching, your shipping container house. Sketch in walls, windows, doors, fixtures, etc. If you don't like something, don't throw the sketch away. You may find yourself wanting to come back that idea and need to reference it. Although you want it clean and easy to read, don't worry about it being "perfect" sketch, it is more important to get your ideas down.

Sketch your floor plan ideas and your elevation ideas. Sign and date all your sketches.

