

Design Criteria Worksheet: BRT station

WHO

Who will occupy the container home?

What are their physical needs? What are their emotional needs? What are some key physical characteristics of the dwellings occupant?

Who will interact with the container home and its occupants?

What are their physical needs? What are their emotional needs? How will they interact with the unit and its occupants?

Who will own the house and pay for its construction and upkeep?

What is the budget for construction and upkeep? How long will they want to live in the container? How would you describe their aesthetic preferences with respect to the container design?

Who will live or work in close proximity to the dwelling?

What concerns might they have? How might a container house design either please or annoy a neighbor?

Who might threaten the safety of the home’s occupants?

Why would they be interested in the occupants? What physical characteristics or special abilities would they have that could endanger the occupants?

Who has influence over the housing codes and regulations?

What concerns might they have that will impact their decisions about these regulations?

WHERE

Where will the container home be located?

How much space is available for the container home? What are the annual weather conditions? What is the proximity to other people or buildings? What are the geologic conditions of the site? What are the traffic conditions near the site? What zoning restrictions impact the design? How will the site location impact the health and safety of the occupants? How will the site location impact the health and safety of people who interact with the house?

Where will the container home be converted into a living structure?

Will the home be redesigned on-site? Where will the materials for the living space be acquired?

Where will the parts used for the container home eventually end up?

Will the materials end up in a landfill or will they be recyclable?

WHAT

What other materials will you need to convert the shipping container into a living space?

Will the materials used need to be durable over long periods of time? Will the materials have to reflect a certain type of aesthetic? Will the budget limit the type of materials that can be used? Will certain materials pose a danger to or protect the home's occupants or those who interact with the container home? Can recycled materials be used?

What types of designs and construction methods are best suited for converting a shipping container?

What skills and equipment will the builder have?

What features will the building have to accommodate the needs of vehicles and riders?

What are the essential requirements for a day-to-day living space? What special requirements stem from using a shipping container as a primary structure? What is the ultimate function of the container home? What does this require?

WHY

Why are you building a dwelling?

Will the dwelling be used for commercial purposes? Will it be used for primary or secondary housing? Will it convey some type of social status? Will it symbolize some type of attitude regarding environmental sustainability?

Why use a shipping container as a primary structure in a living space?

Why is it a good primary structure? Why not just build a brand new house from all new materials?

Why do you see a demand for these dwellings?

What are some specific situations in which this housing could be most practical? Why is this more sustainable than building a brand new primary structure?