

CONTAINER CONSTRUCTION

Construction newsletter

APRIL 2022

Advantages of using Containers

Ideal building material for low cost district schools and housing.

Containers are well known for their durability, adaptability, light weight, low cost and ease of stacking, creating a sustainable citie as a recycling trend .

Tips for Producing a container home

1. Buying the Right Shipping Container
2. Choose the right insulation material
3. Avoid excessive cut outs
4. Building Company / Contractor

Facts

Shipping containers are special, but they aren't perfect. Thanks to our years of experience, we can appreciate many of their great benefits while still recognizing where they can sometimes fall short.



“When I am working on a problem, I never think about beauty but when I have finished, if the solution is not beautiful, I know it is wrong....”

- R. Buckminster Fuller



Photo Caption by CM ARCHITECTS

In This Issue

- Advantages of using containers
- Tips for Producing a fast container School
- Facts
- projects
- Call to Architects/ Contractors



Photo Caption by shiny Diamond

ADVANTAGES AND DISADVANTAGES

Steel shipping containers outlive their usefulness as cargo carriers within 5 years, and they used to site abandoned at shipyards for years. What we are doing is reusing these containers promoting "Go Green" sustainable living.

ADVANTAGES

- ◆ They are extremely easy to build into a home.
- ◆ Designed to carry heavy loads ,stacked in columns, resist harsh environments - weather and resistant to salt corrosion etc.
- ◆ Since they are originally built for transport, they can be easily moved when they need to be. This way we can build the units off-site and drop it off.
- ◆ You can make them properly insulated, they can make for a warm and cozy home in the winter, and a cooler home in the summer.
- ◆ Ideal building material. These containers are well known for their durability, adaptability. light weight, low cost and ease of stacking, creating a recycling trend that we are feeding off.

DISADVANTAGES

- ◆ Still need a building permit and build codes (same as usual residential).
- ◆ Finding contractors with experience .
- ◆ Limited flexibility and space .
- ◆ High conductivity of heat .

RE-USE

Reusing old shipping containers after their expected life is over has recently become a worldwide architectural trend. The practice has been referred to as "container architecture or cargotecture." Reused shipping containers have been turned into houses, hotels, storage units, stores, restaurants, food trucks, green houses, schools, libraries, and even art studios, by basically modifying them, and putting and sticking them together like Legos. But what are the advantages and possible challenges of purchasing and reusing old shipping containers?

ENVIRONMENTAL FRIENDLINESS

Reusing shipping containers, and turning them into buildings, can prevent the use of bricks and cement as the production of cement is a major source of CO2. This is a good way to protect the environment against one of its biggest enemies. It could also help to reduce the usage of steel. Reusing a container could help to save about 3500 kilograms of steel. Yes, just one container.

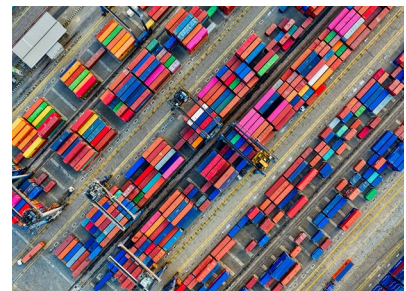


Photo Caption by Tom Fisk

Building a School Out of Shipping Containers Was the Best Idea.

Andrew Mitchler

When you look at the finished project, it's nearly impossible to tell that we even used shipping containers.

Andrew Mitchler



Photo Caption by Andrew Mitchler

BUILDING SCHOOLS CHEAPER ?

Enter in the surprisingly sustainable solution—shipping containers.

More and more schools are creating their classrooms out of shipping containers, and the response from both students and faculty has been very positive. The fact that these containers provide a portable classroom means that if the school ever needed to relocate, means it would be simple to bring the buildings along!

Waldorf School in Orange County, California is one of the schools that's now using shipping containers for institution expansion.

All containers that Schools use are made of recycled products, which shows the school's respect for the environment. It's amazing to see how a simple shipping container can completely transform and even more importantly, how affordable it can be.

Once we modify shipping containers, they can provide anyone with beautiful, affordable housing.



Photo caption by Patrick Musonda

Call from the Minister to Architects & Contractors .

In response to the call from the minister of housing and infrastructure development **Mr MILUPI** to all Architects and Contractors present at the Annual general meeting held on the 25th of November 2021 at the Avani hotel in Livingstone .

REQUEST FROM THE MINISTER

To design and come up with Architectural and Engineering proposals that will be cost effective to counter the current construction costs of schools ,Infrastructure and Roads likely bring the construction cost to at least 50-60 % of the current construction cost .

PROPOSAL FROM ECOWORKS CONSTRUCTION LTD

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WE AT ECOWORKS WOULD LIKE TO PARTNER WITH REGISTERED ARCHITECTS POSSIBLY YOUTHS FROM (YAF) TO RESPOND TO THE

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If you think you are right or you are wrong either way you are correct .

Contact Us

Give us a call for more information about our services and products .

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PATRICK MUSONDA



Simplicity is the essence of design



FIRST FLOOR LAYOUT



Simplicity is the essence of design





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Sustainable energy

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Photo caption by Patrick Musonda



Simplicity is the essence of design



Ecological sustainability

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