

PFTF Nov 2018..... Why Container Buildings for our fields, environment and budget?

Today, with the vast discussion on sustainable construction, environment, recycling, etc., Containers have become a constructive option that generates benefits to both humans and nature, embedded in an innovative and modern architecture.

Why Shipping Containers?

When Shipping containers were originally created, they were designed with modularity in mind. They were required to withstand all kinds of abuse as they journey through some of the world's harshest climates. From salt water to freezing temperatures, a shipping container is meant to handle the worst of the worst while protecting some of the world's most precious cargo. Comprised of Corten steel, it is in a shipping containers DNA to protect itself from any corrosion or rust, and when they fall off the ship they can take up to a week to sink. With more boxes being imported than exported, we have an opportunity to reuse something that is desperately looking for a new home.

1 – They're Eco-Friendly

Shipping container structures are made from steel, which means that they can usually be recycled if you ever decide to sell it. They can also be placed basically anywhere, which means that you won't need to get rid of a bunch of trees to make room for your house. **LESS CONSUMPTION**, Constructions with lower material consumption, generating less waste resulting in a greater efficiency at lower cost. **LESS IMPACT**, the construction process has a lower environmental impact, with lower consumption of materials such as wood.

They also require much less living resources (such as water or electricity) which results in a smaller carbon footprint than more traditional homes

2 – Affordability

Pop quiz: What's going to be cheaper – building a house from scratch, or buying a large metal container to live in?

The answer is, of course, the second option. There are many shipping containers around the globe (about 33 million) so it's not like rarity is driving the price up. They can also have all the same functionality as a traditional home, so you could have your dream home – and it might be cheaper than you think.

3 – Mobility

One benefit that many people don't consider about shipping container homes is actually quite obvious, given their cargo-carrying origins. As long as you have access to an articulated crane (or are prepared to hire a removalist), a shipping container structure is essentially a bigger and better version of a mobile home.

4 – Strength and Durability

Weather resistant. Shipping containers were built specifically to withstand all types of severe weather. They were built not only to withstand being stacked 8 or 9 high, but also to withstand the strong rains and winds incurred when traveling across the ocean on shipping vessels. All of the repurposed containers we use are still deemed to be wind and water tight. Add to this any outside siding and inside insulation and wall material and you have an amazingly weather tight structure. This might seem obvious, but metal is stronger than wood. In fact, a tornado could lift a wooden house (yes that can happen) and smash it into the side of your house and the worst case scenario would be that your windows broke. Assuming you weren't standing next to the window and/or didn't have steel window shutters made from shipping container parts, of course. Shipping containers are built to resist snow, wind, hurricanes, tornadoes and earthquakes. Water-proof, rodent and insect-proof, weather-proof, fire resistant...the list goes on.

5 – Customization- The cozy living/work area can easily be expanded by adding extra parts from other shipping containers. Sure, you'll pay more for things like stairs and bay windows because someone will have to engineer them, but the same is true of traditional housing as well. As long as you can imagine it, someone can design and build it.

FAQ's

[Is a Container Home warm?](#)

Whichever insulation system we choose from spray foam solutions to regular insulation systems we make sure it's closed cell polyurethane foam. Spray foam insulation can be applied on both the external and internal walls of your Containers; you can also spray it underneath your Container to stop any moisture from the ground creeping into your Containers, keeping it cool like a regular home.

[Is it cheaper?](#)

The final price of a construction using Shipping Containers can be up to 30% lower than the final value of a conventional construction, with several other advantages such as the completion time of the work, which can be reduced by up to 60%. Other factors that will impact on a greater reduction in the cost will come from the materials and finishes used on the project.

[How about durability?](#)

Containers are made from a material designed for maritime cargo transport in very adverse conditions many times for up to 40 years. On a lot, if properly maintained, it can last for generations.

[How about Hazardous and Radioactive risks?](#)

Before purchase of any Container, the history of each unit should be researched. This history indicates the type of cargo and the routes of each unit. A Certificate is also requested, issued by the Public Federal Service in the Port itself before the unit is released. This report states that the unit is free of any toxic residue or radiation.

[Is it flammable?](#)

The polyurethane based insulation layer is located between the inner and outer metal sheets of the Container, remaining completely insulated. The polyurethane used is anti-flammable.

[How about Transport and Installation?](#)

Because it is a structure that has a standard size for transportation, it can be transported by truck or ship. Arriving at the installation site we will need a crane to pull it out of the truck and lay it on the ground. The foundation is quite simple because of the reduced weight of the Container in relation to the masonry and depending on the conditions of the terrain, concrete blocks or slabs are enough to support it. From there, all cuts are made on the plates, the hydro-sanitary and electrical installations (which can be built-in or apparent) and the finishes such as flooring, painting, connections between modules. It is a very simplified and fast process.

[Is it safe against theft?](#)

Containers are made from highly resistant corten steel. Its original doors are designed in order to keep the module watertight and windtight when closed. To open it, you will need a torch. At the time of the installation, the Containers are fixed in the proper foundation, avoiding any kind of attempt to remove the unit.

Website Education

<https://customcontainerliving.com/benefits/>

<https://www.falconstructures.com/shipping-container-ebooks-webinars>

<https://www.honomobo.com/why-shipping-containers/>

<https://www.econtainersmod.com/blog-2/>



customCONTAINERliving

DRAFT QUOTE

Custom Container Living
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Archie, MO 64725
Phone: 816-885-1344
Email: lon@customcontainerliving.com
Website: www.customcontainerliving.com

DATE	11/13/2018
CUSTOMER NAME	J Nigro

Quote To:

Jerry Nigro

DESCRIPTION	AMOUNT
Soccer Complex	
Industrial Restrooms:	44,920.00
Container look with welded door and window frames	
Three stools in women's restroom, with dividers and doors	
One stool and three urinals in men's restroom, with dividers and door for stall	
Two sinks in each restroom	
Epoxy on floors and 30" up on walls	
Drain in each floor so you can hose out	
Paper towel dispensers, soap dispensers, toilet paper holders	
Lighting and a vent in each restroom	
Office:	29,500.00
8' x 20' office space	
Mitsubishi mini split H&C system	
Sheet vinyl throughout (color/design chosen by customer)	
Painted V-groove wood on walls (tongue & groove appearance)	
Container look with welded door and window frames	
3' run of cabinets, sink, microwave, and refrigerator (10 cu ft)	
32" entry door and two windows (location chosen by customer)	
Closed-cell spray foam insulation in walls, ceiling, and floor	
Field Office:	40,100.00
8' x 12' Field office	
8' x 8' Finished storage (ref equipment, cones, flags, balls, etc.)	
8' x 20' unfinished storage (accessible from end of container or via finished storage room)	
Container look with welded door and window frames	
Closed-cell spray foam insulation in walls, ceiling, and floor of field office and finished storage	
Upgrade to the Mitsubishi mini split H&C system	
Vinyl flooring in field office and finished storage (color/design chosen by customer)	
3' run of cabinets with sink, microwave, and refrigerator (10 cu ft) in field office	

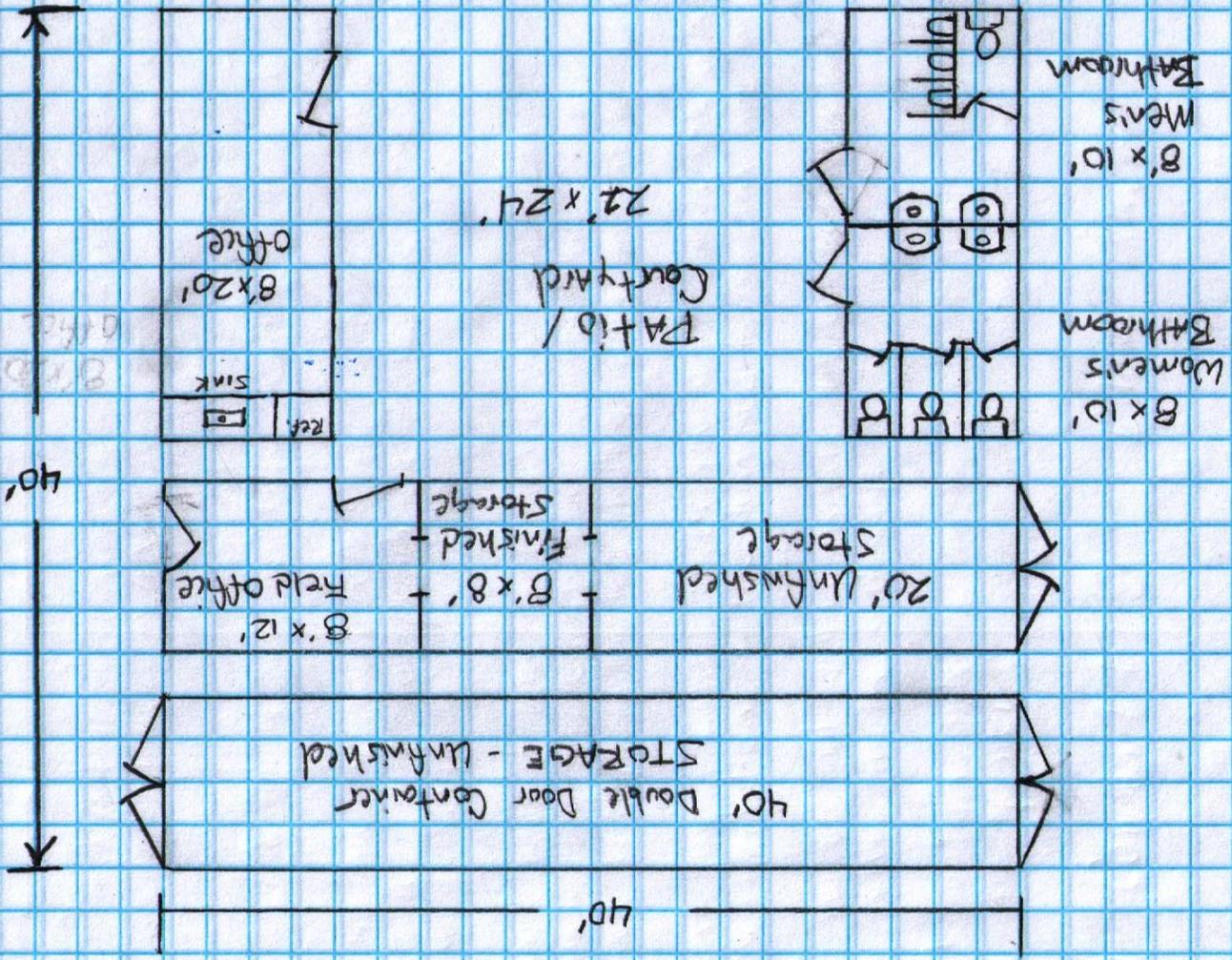
Double-door storage container	
Standard double-door storage container	5,500.00
Will paint to match the other containers (will paint onsite)	1,000.00
Roof	
Gable roof with metal on the roof section, metal on the soffit and fascia	18,750.00
Includes the metal to cover both ends of the roof trusses	
Does not include metal on the underneath side of the trusses	
Travel Expenses	
	4,250.00
Delivery	
Two 20' containers	5,800.00
One 40' container	5,800.00
One 40' container from Boston	500.00

Subtotal	156,120.00
Delivery	-
Deposit	
TOTAL	\$ 156,120.00

Thank you for allowing us to quote your container home.
 If you have any questions about this quote, please contact Lon Holden
 at 816.885.1344, or at lon@customcontainerliving.com

Thank You For Your interest!!!







Great video about setting up, planning, and making a...

