



Eco-Solar Home Tour 2021

Sunday 6 June, 2:20 to 3:00 pm

Ritchie Container Home

Tour Day: Sunday 6 June
Time: 2:20 to 3:00 pm
Hosts: CNTNR
Energuide Rating: 82 GJ/yr

Summary points why people need to see your home

- Shipping container design/steel building envelope
- Container construction

is a superior method of building that is gaining in popularity due to its dramatic benefits over the current conventional construction model.



What will people see and learn about at your home?

- Sea-can envelope that is mould resistant, fire resistant, extreme weather resistant up to hurricane category 3 winds
- HRV, triple glazed windows
- Energy efficient fixtures
- Airtight building envelope

What are the main things people will see at your home?

- A tastefully designed infill home made out of shipping containers: open concept and with modern appliances and finishes
- A wall cut-out that reveals a panel of the shipping container envelope, spray painted with graffiti art by the creators of the popular Rust Magic International Street Mural Festival.

Are there main items that they can't see?

- The sea-cans have been "outsulated" with sprayfoam that was sprayed on the outside of the cans. As it does not eat into the square footage on the interior, this increases the amount of living space within the home.



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Ritchie Container Home

Why is this home on the tour?

Most people have heard of shipping container (also known as sea-can) homes by now. But did you know that you could be standing in a sea-can structure, without even realizing it? This home is on the tour to show how far real estate sea-can tech has progressed in the last half decade. Step into our home, and you would never guess that it was built out of shipping containers. Modern, open concept, and in the style of other Edmonton infills, this home was built using upcycled sea-cans that were prefabricated in a factory, delivered to site, then welded together. This compressed the construction timeline, reduced labour costs, and produced a structurally superior product that is 30% more energy efficient than a traditional woodframe home.

What features save on energy costs?

- Airtight envelope (steel sea-cans and sprayfoam insulation)
- Triple glazed windows
- HRV

What features save on water costs?

- Low flow rated fixtures

Other special features

- Container-based construction saves trees from being cut down, reduces construction waste via the use of standardized building blocks, and results in the recycling of a robust material that would otherwise be left unused.

