

WHATCOM HOUSING ALLIANCE - ADU COMPETITION

BADASS C-BOX DWELLING PROPOSAL

There is a glut of cargo containers and they are relatively easy to work with to convert into living spaces. I have been working on this particular challenge for over a decade and have one successful build using the principles of my research. A couple of key elements to save costs include having all the welding done offsite and utilizing the open source connection plate that I have designed to attach the container to the footings.

The cargo container dwelling could easily be adapted for universal design and aging in place although admittedly, wheelchair use would be somewhat limited.

Considering the availability of containers and the minimal structure and infrastructure required to convert them to an effective housing pod I believe there is a clear path to affordability, especially at scale - meaning many modules built at the same time.

Sustainability is built into reusing an existing commercially available item such as a cargo container and resilience is built into the fact that a cargo container is figuratively bulletproof - built to last - especially in terms of durability and longevity.

Utilizing the latest technologies in insulation and proper installation of air and moisture barriers will allow for a minimal hvac system to keep this Pod quite comfortable.

Although this particular design incorporates a very modest loft space to achieve a 16 foot roof height it would be quite easy to make a taller loft and maximize the 24 foot height limit and or lift the container higher off of the ground.

Is my belief that it would be quite easy to modularize the build out and create backyard pods either completely offsite in a factory and truck them into place or build them partially offsite and finalize the build on site.

It is proven again and again that modular construction is cost-effective and very efficient. It would be easy to apply to container housing to supply many backyard cottages or even a village.

Thank you for considering this innovative proposal to help as one of the solutions to our current housing crisis.