

## **Intergenerational ADU**

As we age we come to realize that spending time with loved ones becomes the most important thing in our lives. But it can be a challenge to find space for everyone at home. As children grow and parents age we want to make sure that we can keep them close by. With this design you can have your space while also sharing it with your beloved. This ADU is designed for multi generational living. It is perfect for a college student that needs some distance from their parents. They are able to learn life skills while also saving money on rent. The second bedroom could also be rented out to a roommate. This space also works for a parent that is no longer comfortable living on their own. You are able to keep an eye on them and also provide space for a caregiver if needed. In March 2021, there were 59.7 million U.S. residents who lived with multiple generations under one roof. The cost of living is rising and we need to support one another. You could be able to provide for many generations with this design.

Today everyone is thinking about their personal impact on the environment. It is easy to create a lot of unnecessary waste when building a new home. To help lessen the impact we should use natural and renewable materials so when we are done we can be proud of our ecological footprint. It is also important to choose materials that will last a long time so we don't have to keep buying and discarding them. The outside of the ADU is fiber cement siding which is known for being able to withstand weather and wear. The roof is made out of asphalt shingles with a cedar soffit underneath. Cedar can resist rot and insect activity while also being very visually appealing. All windows are composite which are low maintenance and have excellent insulation.

To save costs on building, this ADU is made with prefabricated panels. Prefabricated panels allow for a speedier construction and reduces on-site waste which will save you cost in labor. Due to their tight construction, prefabricated panel homes tend to be highly energy efficient and have a reputation of being able to withstand harsh weather conditions.

The interior of the ADU is lined with bamboo flooring. Bamboo flooring is an inexpensive and sustainable alternative to hardwood flooring. If installed and cared for correctly your bamboo floor can last for decades. The kitchen cabinets are made with alder and have a durable quartz countertop. The drawer handle and door pulls are made of brushed nickel which is considered corrosion-resistant.

This ADU is also equipped with a tankless water heater. Tankless water heaters, also known as on-demand water heaters, use less energy because they are not heating the water all day, only when needed. The roof will be outfitted with solar panels to provide renewable energy for the ADU. Solar panels are a high upfront cost but typically pay for themselves within nine years. Each bedroom has a ductless mini-split to help heat and cool the living space. Ductless mini-splits are easy to install and since they have no ducts, they avoid the energy losses associated with ductwork of central forced air systems.

This ADU provides a unique experience by accommodating two separate living spaces. Two people are able to share this space while also having their own privacy. The offset skillion roof

allows for large vaulted ceilings which helps make the ADU feel more spacious. It also allows for an upper floor flex space in the second unit. This additional space can be used as a work from home office, extra storage or additional living space, you choose! You also don't have to give anything up when living here. You have a spacious kitchen with full size appliances so you can still cook your favorite meals. A laundry station so you don't have to worry about having quarters for the laundromat. Both units lead out to private all-seasons garden that can be used for growing produce or fragrant flowers. And if gardening is not your thing, you have a peaceful space to sunbathe. This ADU is flexible to your needs. As your family grows and changes, you'll know that you can provide a safe space for them. Everyone needs a house to live in, but a supportive family is what builds a home.