



SILVER AWARD OF EXCELLENCE *in* NEW RESIDENTIAL BUILDING LAKE HAVASU CITY DREAM HOME



Photography by Daniel Park.

The 4,100 square foot complete-ICF home in Lake Havasu City, Az., was built to be solid from top to bottom. With its modern architectural style, the builder was able to incorporate INSUL-DECK leave-in-place EPS forms for the roof. Safety and energy efficiency were top priorities for Glen and Marie Quakenbush, but what the homeowners notice most is the comfort and lack of noise inside from outside distractions, due to the 15-inch thick concrete walls and concrete roof.

ICF was their first choice for the building envelope. Years ago, a fire had destroyed Marie's family home so the safety of ICF was important to her. She says, "I just couldn't bring myself to build out of firewood. Our ICF home is safer all around.



Not just for fire safety, but tornadoes, hurricanes, earthquakes, everything."

The result is a beautiful, wood-free structure built for safety and sustainability. The front door looks like wood, but is actually painted fiberglass with custom handles. The only timber can be found in interior doors and cabinets.

Marie says, "The heat here in Arizona is very hard on timber. This is not a state where one should be building out of timber; it surprises me that so many people do." Low-maintenance living shows up in big and small ways in this modern marvel. There is no wood to deteriorate over the years. Plus, steel molding and aluminum baseboards simplify day-to-day maintenance.

Inside, even without the use of solar panels the homeowners report a saving of 50-70 percent below the most energy-efficient stick home. The structure was rated as R-90 to R-100 by an independent energy auditor who prepared measurements for utility rebates. The ICF installer took the ICF walls down to the footing several feet below ground for a T-effect that eliminates thermal loss through the slab. As a result, the homeowners have never had to turn on the heat in winter.

Throughout the home, green building with a minimalist design ethic informed the owners' choices and resulted in a picture perfect living environment. Their dream home is truly unique, truly custom and also a home of the future built to last.

Light-weight INSUL-DECK panels can be placed with a small crew.

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