



**Project:** NextGen Home Experience

**Location:** Las Vegas, Nevada

**Challenge(s):** Demonstrating sustainability and energy efficient design through roofing.

**Solution:** Steel barrel tile offset from roof deck 3-1/4”.

**Profile:** DECRA Villa Tile

## 2009 NextGen Home

### *DECRA Offers “First to the Future”*

With “First to the Future” as the theme, the 2009 NextGen home features the newest product offering from DECRA – Villa Tile in Amalfi Sand. The focus is on strong, green and energy efficient design.

An alternative to traditional clay or concrete tile, Villa Tile is made of corrosion resistant, aluminum-zinc alloy coated steel with an acrylic bonded stone chip finish that creates an attractive exterior. A unique product, DECRA Villa Tile offers the classic beauty and architectural detail of an old world Italian tile combined with the superior performance and inherent benefits of steel.

The design of the Villa Tile reduces heated air entering the attic space. The barrels are 3-1/4” high, providing an offset from the roof deck. This offset contributes to the continuous airflow across the deck and helps to pull the heated air away from the attic. Less heated air in the attic equates to less stress on the cooling system, and lower energy consumption.

In addition to being energy efficient, each panel is made from steel, which is durable and has upwards of 25% post-consumer recycled steel content. Easy to use with rain catch and solar panel systems, Villa Tile has a long life cycle and a low lifetime maintenance factor.

DECRA Roofing Systems have been providing ageless beauty,

superior performance and lasting durability for 50 years. DECRA profiles are backed by a 50-year limited warranty, a 120 mph wind warranty, are Class 4 impact resistant, and steel is a non-combustible, Class A rated material.

Stone coated steel offers protection during other types of natural disasters. A metal roof usually weighs half as much as a typical composition shingle roof and less than a quarter of a lightweight concrete tile. During an earthquake, a roof that weighs less has less sway from side to side. Reduced sway from shaking buildings means a reduction in the forces that cause the greatest overall destruction. By contrast, a heavier roof is more likely to cause the walls to collapse when it begins to shake.

People ask about the performance of metal during a lightning storm. Metal roofing is both an electrical conductor, and a noncombustible material. According to the Metal Construction Association, the risks associated with its use are out weighed by performance during a lightning event making it the most desirable construction material available.

DECRA products also perform well when faced with fire and hail. With a Class A fire rating and a Class 4 impact resistance rating, DECRA products maintain the highest UL ratings in the industry.