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Energy Efficient • Acoustical Insulation • Fire Resistant • Pest Resistant • Environmentally Friendly



**Project:** Las Palmas at Sandy Beach  
Rocky Point, Mexico

**Project Information:**

E-Crete is proud to be a part of the new development surge in the Rocky Point area in Mexico. Las Palmas at Sandy Beach is a master-planned community that includes 4 seven-story condominium buildings and 20 luxury homes.

This new development offers several floor plans and amenities. The condominiums are being constructed using the “post and beam” method with E-Crete blocks as the infill material for all exterior and partitioning walls.

All structural elements including exterior and interior walls in the twenty beachfront homes are being constructed with E-Crete blocks.

The owner recognized the choice of building materials was critical to the success of the high-end oceanfront project. E-Crete blocks were chosen for their excellent thermal and fire resistance and superior sound barrier characteristics.

The homes have been completed and the fourth 7 story condominium building is almost completed.

Las Palmas



**Project:** Arcadia High School  
4703 E. Indian School Road  
Phoenix, AZ 85018

**General Contractor:** Target General, Inc.  
3036 E. Greenway Road  
Phoenix, AZ 85032

**The Challenge:** Target General, Inc. was contracted to build an interior wall (33' long x 16' high) through the middle of an existing building. The wall needed to be built around mechanical equipment over an existing slab and have a 1-hour fire rating.

Original plans called for a wall constructed from 8 x 8 x 16 CMU to the bottom of the roof deck. The foundation was to be saw cut and a 2'6" wide section was to be removed from the existing floor slab. An 8" footing was to be poured and doweled back to the slab.

Target General, Inc.

**The Solution:** E-Crete's Autoclaved Aerated Concrete (AAC)

Using E-Crete's AAC, Target General was able to exceed the customer's specific job requirements for less money. The cost and inconvenience of saw cutting, rerouting utilities, footing construction and additional reinforcement were all eliminated due to AAC's lightweight properties. E-Crete blocks were quickly and accurately cut, shaped and installed by Desert Masonry around mechanical and electrical piping.

E-Crete's U.L. classified 4-hour fire rating exceeded the job requirements by 4 times, providing added benefit for Target General's client.

Target General's superintendent Ken Garman said "Due to the fact that there were utilities in the slab, that made the situation all the more challenging. E-Crete and their staff were most helpful in solving my problem. AAC was the answer and E-Crete was with me every step of the way from demonstrations on site to having professional assistance through completion. Hats off to E-Crete and their amazing product AAC!"



**Project:** Bright International  
1301 W. Industrial Drive  
Coolidge, AZ 85228

**General Contractor:** Carlson Masonry  
1008 A E. Vista Del Cerro Dr.  
Tempe, AZ 85281  
480-446-7750

**The Challenge:** Bright International was planning to build a bleach powder and hair reactive factory in Coolidge, Arizona. Due to the chemicals used to make these products, the factory needed to be constructed with materials that would offer a high fire resistance rating.

**The Solution:** E-Crete's Autoclaved Aerated Concrete (AAC)

Due to the high risk of fire from the chemicals, E-Crete's Autoclaved Aerated Concrete (AAC) block was chosen for its UL classified 4-hour fire resistance rating. The AAC was used on the interior walls of the building.

**Bright International**



**Project:** Custom Home

**Contractor:** Novak Construction

**The Challenge:** When Mark Novak of Novak Construction received the building plans for a custom home for one of his clients, he didn't know what to think. A product that he was only vaguely familiar with was specified in the plans. It was E-Crete building blocks and he wasn't sure what to make of it.

"I didn't know how this product was going to be to work with," said Novak. "I wasn't sure if it would be accepted by my trades."

**Novak Construction**

**The Solution:** As it turned out, Novak's tradesmen had heard of E-Crete and were eager to work with it, and some already had.

"Working with E-Crete blocks wasn't any more complicated than ordinary masonry blocks," Novak said. "In fact, working with E-Crete was easier because you use thinbed mortar resulting in a much more even wall with tighter seams."

One of the driving forces behind E-Crete being specified was the owner of the home. Mr. Gerd Zimmerman is originally from Germany where Autoclaved Aerated Concrete (AAC) has been used for decades in the construction of all types of structures. He was accustomed to the many benefits of building and living with AAC.

"I wanted my home to be as energy efficient and soundproof as possible," comments Mr. Zimmerman. "My house is located near a bus route and I didn't want to hear the engines of the buses while I was inside my home."

Novak said he looks forward to building more homes with E-Crete and will recommend E-Crete to his future customers.



**Project:** Edwards Residence

**Designer/Builder:** Kevin Edwards  
Edwards Design Group  
8015 E. Vista Bonita Dr.  
Scottsdale, AZ 85255  
480-563-7774  
edg@contractor.net

**The Challenge:** Building a “green” home

**The Solution:** E-Crete’s Autoclaved Aerated Concrete (AAC)

Kevin and Doug Edwards, brothers and partners in the Scottsdale based Edwards Design Group built a 2000 square foot home out of E-Crete that they hope will be the springboard to a project building a mainstream, eco-friendly subdivision.

The exterior walls of the home are constructed with E-Crete’s AAC block. The home also features interior metal framing, solar heating, shade structures and desert landscaping.

“Thanks to versatile materials like E-Crete’s AAC, it’s easy to construct environmentally friendly homes that are affordably priced, aesthetically appealing and comfortable,” said Kevin Edwards, co-owner of Edwards Design Group.

A decorative graphic consisting of a dark blue diagonal shape with four green squares arranged in a descending staircase pattern.

## Edwards Residence



**Project:** Adobe style residence

**Contractor:** Siteworks, Inc. Santa Fe, NM

**The Challenge:** Siteworks, Inc.'s president Ray Gee had a client that wanted a home that really captured the look and feel of the Southwest. Details such as rounded walls, thick door and window openings, a beehive fireplace, and multiple niches had to be included. In addition to these architectural features, the home also had to be energy efficient and built with quality products. Mr. Gee turned to E-Crete for the solution to building a home for his discriminating client.

Siteworks, Inc.

**The Solution:** By building with E-Crete, Siteworks, Inc. was able to meet the clients' demand for a home with a masonry-like feel, but priced more competitively than a conventional, thick-walled wood frame system. Siteworks chose E-Crete blocks to achieve the look, feel and workability of adobe. The client also benefitted from other E-Crete block characteristics such as superior thermal and acoustic insulation. In the end, both client and builder were very satisfied with the results of this E-Crete home.

