

“Green schools have good indoor air quality, improve children’s learning, safeguard student’s health, conserve energy & save money!”¹



“Green schools can be built at or below the cost of conventionally designed schools and that amazing things happen when schools are designed, constructed and operated with a focus on occupant health and energy efficiency.”²

Characteristics of a Green School²

- ▶ Conserves energy and natural resources
- ▶ Saves taxpayer money
- ▶ Improves indoor air quality
- ▶ Removes toxic materials from places where children learn and play
- ▶ Employs daylighting strategies & improves classroom acoustics
- ▶ Employs sustainable purchasing and green cleaning practices
- ▶ Decreases the burden on municipal water and wastewater treatment
- ▶ Conserves fresh drinking water & helps manage stormwater runoff
- ▶ Reduces demand on local landfills



Characteristics of a Quad-Lock ICF School

- ▶ **Safe & Durable:** Quad-Lock ICFs provide exceptional protection from the tests of time and the ravages of nature. Quad-Lock walls have a Fire Rating of 2-4 hours (depending on concrete thickness).
- ▶ **Energy Efficient:** Quad-Lock buildings can save 30-70% or more on energy costs.
- ▶ **Healthy:** Quad-Lock walls will not promote rot, mold or mildew. Reduced air infiltration allows better conditioning & allergen filtering of indoor air. This means a healthier environment for students.
- ▶ **Quiet:** Minimize distractions from the outdoors with greatly reduced noise transfer (high STC Rating).
- ▶ **Green Roofs:** Quad-Deck is the perfect substrate for living Green Roofs providing significant reduction in Heat Loss and Heat Gain and managing stormwater runoff.
- ▶ **Sustainable Design:** There is virtually no construction waste and any scrap can be recycled. Long-term building durability means a Quad-Lock building’s life-cycle is measured in centuries and maintenance and operation costs are significantly lower.

Educational Facilities - Green Schools Initiative



Kindergarten

A stylized turtle-shaped complex consisting of five buildings with multiple angles and varying wall heights. The design was also meant to keep the children healthy and safe in this area that is known for severe weather conditions.

"This may be the best kindergarten in the world," boasts Mayor Albert Ellefsen



High School

Located in Slidell, LA, Salmen High School was rebuilt after being virtually destroyed by Hurricane Katrina. The new home of the Spartans is over 140,000sqft across 20 buildings.



University Library

The 60,000sqft Harry C. Moore Library and Information Centre located in Nassau, Bahamas offers its students state of the art technology, wireless internet, 75 seat auditorium and room for 150,000 books. But this Quad-Lock ICF structure has an even more important function - it has been designed to withstand a Category 5 hurricane and has been designated as a National Disaster Relief Center for the Bahamas. This means that not only are the students safe but the surrounding community now have a safe haven when hurricane forces, common to this region, strike. The success of this project utilizing ICFs as a form of construction (the safety features, energy efficiencies, low maintenance and durability inherent when building with ICFs) has been given a stamp of approval by the Bahamian Government and permanent recognition within the Bahamian Construction industry.

"The College Administrators, skeptical at first, now all appreciate that the completed building has a fabulous "R" rating and are extremely happy with the significantly lower energy demands than were forecast."



Catholic School

St. Gregory Catholic School in Phoenix, AZ, chose Quad-Lock for its energy efficiency, safety and low maintenance.



High School

Located in Buras, LA, the new South Plaquemines High School is currently under construction and is scheduled to open in 2013.