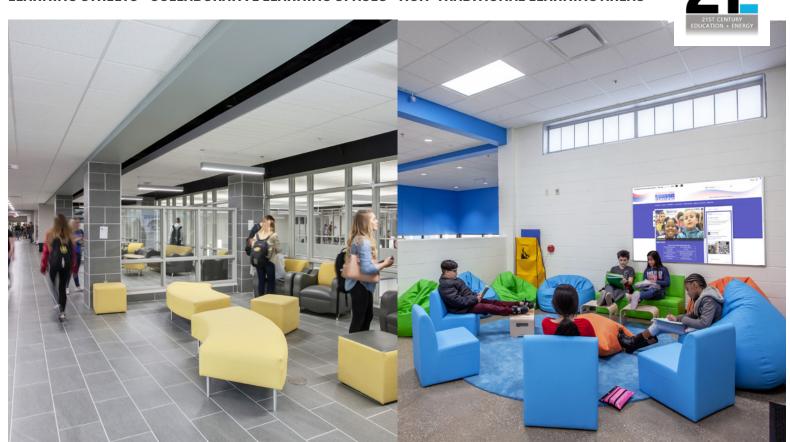


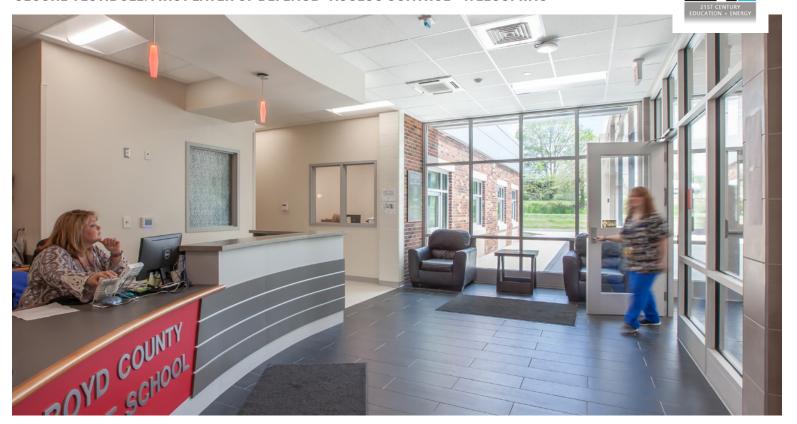
SUPPORT EVERY STUDENT

LEARNING STREETS • COLLABORATIVE LEARNING SPACES • NON-TRADITIONAL LEARNING AREAS



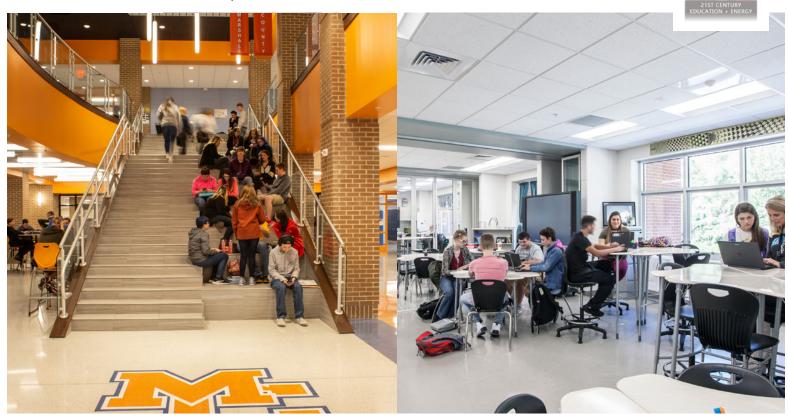
SAFE & SECURE

SECURE VESTIBULE: FIRST LAYER OF DEFENSE • ACCESS CONTROL • WELCOMING



CREATIVE & INNOVATIVE

MAXIMIZE FLEXIBILITY • ANYTIME, ANYWHERE LEARNING



COMMUNITY CONNECTED

THE "HEART & SOUL" OF THE COMMUNITY







COST EFFICIENT TO BUILD & OPERATE

A LEADER IN RESILIENT BUILDING DESIGN - INSULATED CONCRETE FORM (ICF)



ENERGY EFFICIENT

THE FIRST ZERO-ENERGY SCHOOL IN THE UNITED STATES





DISASTER RESILIENT/STORM SHELTER

A LEADER IN RESILIENT BUILDING DESIGN - INSULATED CONCRETE FORM (ICF)





- Hold occupants for up to two hours with temporary ventilation, power, plumbing and water (generator required).
- Usable clear area of 5 SF/person.
- Capable of withstanding 250 mph winds and pressure of a direct tornado strike.
- Must include restrooms.
- Two-hour fire barrier, all doors rated for 90 minutes plus ICC-500 impact resistance rating.
- Third party peer review and quality assurance plan.



21ST CENTURY EDUCATION & ENERGY

A 21E SCHOOL ENGAGES AND INSPIRES LEARNING IN A HEALTHY,
SAFE AND SUSTAINABLE ENVIRONMENT WHILE DRAMATICALLY
REDUCING OR ELIMINATING ENERGY COSTS.

Sherman Carter Barnhart understands the critical issues to consider in school planning and design - ways in which the building can make a difference:

- With recent advances in both digital technology and social media, 21st Century school students and teachers require 24/7 access to learning tools and resources. Yesterday's library and today's media center are evolving into digital information hubs, channeling all learning resources to provide knowledge "at your fingertips".
- Research shows students need different learning environments tailored to their individual pace. They "connect" to problem solving with a "real-world" context, better enabling each student to reach their full potential.
- 21st Century learning techniques are rooted in the support of teachers collaborating, sharing, and integrating. Classroom clusters and instructional zones can be designed to encourage and support teachers working together for a diverse educational experience for each student.
- 21st Century classrooms are designed for maximum flexibility. From large seminar
 groups to small focused teams, and even individual study, it is critical to provide teachers
 the ability to shape their learning environments.
- The building itself can be designed to inspire learning. Dynamic spaces are designed to create an atmosphere of "anytime, anywhere" educational experiences, both in and beyond the classroom.
- Zero Energy efficiency. Dramatic energy reduction strategies coupled with the ability to add a renewable energy source is at the heart of each school we design.
- **Disaster Resiliency.** Many states have adopted building codes requiring a tornado shelter within the school. Our design strategy utilizes insulated concrete form (ICF), concrete construction capable of withstanding the 250 mph winds and pressure of direct tornado strike.