

## Higher Education

**Gustavus Adolphus:** **Gustavus Adolphus College** recently added a new academic building to their campus in St. Peter, Minnesota.

**Beck Hall** is a new stand alone, 125,500 square foot, three-level classroom building with a basement. ERA's building design incorporates many sustainable design features and the college plans to obtain LEED Gold Certification for this project.



**Buena Vista University**  
– **Pierce and White Hall**  
**Renovation:**



ERA provided the structural design for the multi-million dollar major renovation of the existing Pierce Hall and White Hall housing complex located on the **Buena Vista University Campus in Storm Lake, Iowa**. The renovation consists of removing the current entry link between the two buildings and adding a new three story glass-enclosed entry over a one story basement. The entry includes an elevator, a lobby, stairs, and a student lounge. In addition there will also be a new glass-enclosed skywalk between the buildings and a glass-enclosed multi-purpose space on the south side of the top floor of Pierce Hall overlooking the football field and track.

The project incorporates sustainable design features reflecting the college's intent of practicing good environmental stewardship.

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**Augsburg College:**



The **Oren Gateway Center** is the front door to **Augsburg College** in Minneapolis, Minnesota. Extensive glass on the street level beckons to the passersby for food and shopping, as well as showcasing the teaching and learning taking place inside.

Oren Gateway Center is a four-story multiuse building of 118,000 square feet of living, working, studying, eating, and meeting space. The top two levels are occupied with trendy loft/condo housing for 106 students while the second floor houses administrative offices and the Johnson Conference Center. The street level features the Barnes and Noble Augsburg Bookstore, a Neighborhood Café and the Gage Family Gallery. Conveniently located beneath the facility is a level of underground parking.

**Buena Vista University:**

The state-of-the-art **Estelle Siebens Science Center**, completed in 2004, is the showcase of the Buena Vista University School of Science in Storm Lake, Iowa. This 70,000 square foot facility houses twenty-four offices, eighteen laboratories, seven classrooms and three research areas.



**University of Northern Iowa:**



ERA provided the structural engineering for the **McCollum Science Hall Addition** at the University of Northern Iowa in Cedar Falls, Iowa. This is a 64,000 square foot addition that houses eight new faculty/student research laboratories, five new teaching labs, three lecture halls, and seventeen faculty offices.

The project also included a greenhouse addition with an underground tunnel connecting the greenhouse and science hall.

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### Hamline University:



ERA has a long history of providing structural engineering services for the buildings on the campus of **Hamline University** in St. Paul, Minnesota. We have been part of the design of new facilities as well as numerous remodels and renovations throughout the entire campus. Notable projects include the 1999 renovation of the **Old Main Clock Tower** which is a long standing campus landmark, the 1996 **Walker Fieldhouse Addition and Expansion** and the

new **Orem O. Robbins Science Center** designed in 1989.

More recently we were part of the design team for the **Klas Center**, the home of Football and Track, which was completed in time for the 2004 fall football season. This is a \$7.1 million multi-use facility which includes a 23,500 square foot Alumni Building and Stadium with 2,000 seat aluminum bleachers attached to the building.

The building has three elevated floors and a roof. The lowest level provides locker rooms, storage and mechanical rooms; the main level has at grade entry and stadium toilet facilities. The second level includes meeting rooms and classrooms, and a press box. The third level provides meeting rooms, catering kitchen and support space.

### Augsburg College:

**The Kennedy Center** is Augsburg's newest athletic facility. This 32,237 square foot, three story addition to the south side of the existing Si Melby Hall was completed in 2006. The center features a wrestling training facility, fitness center, classrooms, meeting space and offices for the Athletic and Health and Physical Education departments.



The Wrestling Center includes three full-size and two half-size mats, providing adequate space for the entire Augsburg wrestling team to practice comfortably. The facility is one of the largest among not only NCAA Division III wrestling programs, but even among those in upper divisions of the NCAA and NAIA.



The lower level of the Kennedy Center is a fitness and recreation center, a space that is devoted to the fitness and wellness of the Augsburg community. The upper level is occupied by classrooms, offices and student lounges.

**Schools**

**DEPSA:** ERA provided the structural engineering services for the **Detroit Edison Public School Academy (DEPSA)** in Detroit, MI. The project consisted of a new 58,000 square foot, precast construction, single story academic facility for grades '9 through 12' with administrative offices, media center, cafeteria, kitchen, and gymnasium. Horizontal precast panels were used to reduce the number of pieces which reduced erection time and cost.



**Nova Classical Academy:**



ERA provided the precast structural design for the new **Nova Classical Academy** in **Saint Paul, MN**. The three level, 70,000 square foot charter school includes a classroom wing structured with precast beams, columns, wall panels and plank and a gymnasium and common area structured with precast wall panels and steel roof.

**Carpe Diem Charter School**

ERA provided the precast structural design for the new **Carpe Diem Charter School** in **Indianapolis, IN**. The project consisted of a new 18,500 square foot two-story academic facility with individual classrooms and administrative offices as well as an open learning center and IT offices on the second level.



## Schools

### New Prague and New Market Elementary Schools:



This project consisted of two new 90,000 square foot, two story elementary schools of identical design. Each school is a 'T'-shaped building with the top of the T housing classrooms and resource space. The stem of the 'T' is occupied by the gym, music rooms, kitchen, cafeteria, lobby and administration on the first level and the media center and a mechanical room at the second level.



The construction cost was approximately \$12,500,000.00 per school.

### Cristo Rey Jesuit High School/Colin Powell Youth Leadership Center:

This four-story, 160,000 square foot building is shared by **Cristo Rey Jesuit High School and Colin Powell Youth Leadership Center**. It is located in the Phillips area of Minneapolis and was completed in July of 2007.



The building includes a 4 court wide athletic club with parking beneath, classrooms with adjacent commons spaces, meeting rooms, a chapel, labs, a multi-purpose room, a library, and an auditorium. Several outdoor roof deck learning terraces are included where the building steps at upper levels and an outdoor stage is on a portion of the roof over the athletic club.

## Schools

**Providence Academy:** Providence Academy used colonial Georgian design fundamentals to create a 100-year-old look for their new building.



Providence Academy is a private, Catholic college-preparatory school located in Plymouth, Minnesota. The building includes three schools under one roof, a pre-kindergarten through fifth grade lower school, a sixth through eighth grade middle school and ninth through twelfth grade upper school.

ERA designed the original 120,000 square foot building and multiple building additions.

**Turtle Mountain High School:** In 2007 **Turtle Mountain Replacement High School** was opened in Belcourt, North Dakota. This 120,000 square foot school was designed to serve approximately 750 students.



This project was one of the first buildings in the State of North Dakota to attain **LEED Silver Certification**.