

Notable Concrete in Cincinnati

Projects in and around the venue for the Fall Convention

The ACI Fall 2011 Convention will be held October 16-20 in Cincinnati, OH, at the Millennium Hotel and Duke Energy Convention Center. Go to www.aciconvention.org or call (248) 848-3795 for more information and event details. Descriptions of a few examples of recent construction projects in the area follow:

Academy of World Languages

2030 Fairfax Avenue, Cincinnati, OH

The Academy of World Languages (AWL) is a three-story magnet school that features a unique language arts curriculum where 650 students, grades K-8, learn Arabic, Russian, Japanese, and Chinese. AWL also offers an extensive English as a Second Language (ESL) program to students from 37 countries. Using precast concrete for the exterior walls provided aesthetic flexibility, giving the design team the ability to artfully manipulate colors and textures. The result is a sleek, International style building that boasts the school's mission.

Project credits include McGill Smith Punshon, Inc., Architect, and Turner Construction Co., Contractor.

Submitted by Randal Merrill, Vice President of Architecture, McGill Smith Punshon, Inc., Cincinnati, OH.



Academy of World Languages

The Ascent at Roebling's Bridge

1 Roebling Way, Covington, KY

The designer's goal in creating the 26-story condominium complex was to maximize views of downtown Cincinnati across the river while creating a signature look. An economical reinforced concrete frame is founded on 150 ton



The Ascent at Roebling's Bridge

(136 tonne), 16 in. (406 mm) diameter auger-cast concrete piles. Typical framing features 9 in. (229 mm) two-way post-tensioned flat plates supported by reinforced concrete columns in the garage levels, and 8 in. (203 mm) two-way post-tensioned flat plates on residential levels. The exterior façade consists of a vertical, nonrepeating pattern of reinforced precast concrete panels and glass curtain wall. On its eastern face, the building slopes outward about 10 in. (250 mm) per floor.

Project credits include Studio Daniel Libeskind/GBBN Architects, Inc., Architect; THP Limited, Inc., Engineer; Dugan & Meyers Construction Co., Contractor; and Corporex, Owner.



Campus Mall Renovation, Xavier University

Submitted by Tony Johnson, Great Lakes Region Manager, Concrete Reinforcing Steel Institute, Rochester Hills, MI.

Campus Mall Renovation

Xavier University, 3800 Victory Parkway, Cincinnati, OH

The two-phase renovation of the residential and academic malls was designed to create a new image for the university by converting street-front spaces to landscaped “quads” that offer a green oasis. Concrete pavers in the walkways and driveways, which cover about a half mile, accentuate the welcoming new look and feel. In addition to providing a variety of colors and shapes, the pavers are easy to remove and re-set for work on underground utilities. The mall renovation was recognized with an AIA award.

Project credits include McGill Smith Punshon, Inc., Architect and Landscape Architect, and Universal Construction, Developer.

Submitted by Randal Merrill, Vice President of Architecture, McGill Smith Punshon, Inc., Cincinnati, OH.

Cincinnati Financial Corporation Office Campus

6200 S. Gilmore Rd, Fairfield, OH

This corporate campus features three office towers totaling over 1.2 million ft² (111,480 m²). Each tower is clad with precast concrete panels, and a curtain wall on the connectors and colored concrete exterior plaza link the three buildings on the campus. The campus was built in three phases over 24 years, and the precast company was able to maintain a perfect color match throughout construction.



Cincinnati Financial Corporation Office Campus

Project credits include Roth Partnership, Inc., Architect; Heapy Engineering and THP Limited, Engineers; Messer Construction, Construction Manager; and High Concrete Technology LLC, Precast Cladding Supplier.

Submitted by Richard C. Wiggers, Project Principal, Roth Partnership, Inc., Cincinnati, OH.

Harrison Activity Center

Southwest Local School District, 9860 West Road, Harrison, OH

Connected to the high school by an enclosed pedestrian bridge, this 78,000 ft² (7250 m²) activity center features decorative patterned and colored concrete in the entrance to enhance the experience of users and guests upon arrival. Precast panels have a washed stone texture on the building's exterior, whereas the interior of the panels was painted and left exposed in the gymnasium.

Project credits include Roth Partnership, Inc., Architect; High Concrete Technology LLC, Precast Cladding Supplier; Baker Concrete, Concrete Contractor; Truman P. Young & Associates, Structural Engineers; and HJ Lyness, Construction Manager.

Submitted by Dick Krehbiel, Project Principal, Roth Partnership, Inc., Cincinnati, OH.

North Pointe at Union Centre

Offices for GE Aviation, 6440 and 6380 Aviation Way, West Chester, OH

This LEED Gold project involved two four-story office buildings designed with tilt-up concrete exterior walls and concrete floor slabs. The tilt-up panels were crucial to the building's aesthetic and to the project's sustainability, providing long life with minimum maintenance. The development brought 1700 employees to the region, boosting the economic vitality of the West Chester Community.

Project credits include McGill Smith Punshon, Inc., Architect, and Duke Construction, Owner and Developer.

Submitted by Randal Merrill, Vice President of Architecture, McGill Smith Punshon, Inc., Cincinnati, OH.

The Office Center at Red Bank Village

3960 Red Bank Road, Cincinnati, OH

Seeking to create an economical yet distinctive medical office prototype, the architects chose tilt-up construction for this two-story, 38,488 ft² (3576 m²) building, giving the national developer a model for similar facilities around the U.S.

Project credits include McGill Smith Punshon, Inc., Architect, and the Miller-Valentine Group, Owner and Developer.



Harrison Activity Center, Southwest Local School District



North Pointe at Union Centre, Offices for GE Aviation

Submitted by Randal Merrill, Vice President of Architecture, McGill Smith Punshon, Inc., Cincinnati, OH.

Roberts Paideia Academy

Cincinnati Public Schools, 1702 Grand Avenue, Cincinnati, OH

Roberts Paideia Academy is a three-story magnet school that promotes the innovative Paideia curriculum for



The Office Center at Red Bank Village



Roberts Paideia Academy, Cincinnati Public Schools



Two Waterstone Place, Offices for Miller-Valentine Group

750 students grades K-9. The Academy is also Cincinnati's first total precast concrete school, and features a design that is reminiscent of the International style of architecture. The project takes advantage of the inherent flexibility of architectural precast to provide a unique blend of building massing, color, texture, and articulation.

Project credits include McGill Smith Punshon, Inc., Architect, and Turner Construction Co., Contractor.

Submitted by Randal Merrill, Vice President of Architecture, McGill Smith Punshon, Inc., Cincinnati, OH.

Two Waterstone Place

Offices for Miller-Valentine Group,
9349 Waterstone Boulevard, Cincinnati, OH

This striking, three-story, 81,000 ft² (7525 m²) office building, which combined the commercial and residential development divisions for Miller-Valentine Group into one location, features a unique design meant to break away from the typical suburban "box." To meet sustainable design goals, tilt-up concrete construction was chosen to complement a geothermal heating and cooling system, which uses the storm-water retention lake and energy recovery units. Site development also included bioswales.

Project credits include McGill Smith Punshon, Inc., Architect, and the Miller-Valentine Group, Owner and Developer.

Submitted by Randal Merrill, Vice President of Architecture, McGill Smith Punshon, Inc., Cincinnati, OH.

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