PCI Central Region

PRECASTER

precaster

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www.pcicentral.org

Issue 17

The University of Cincinnati Athletic Center

Cincinnati, Ohio

High Concrete Technology, LLC recently completed the installation of architectural panels on a most unusual facade of the University of Cincinnati's new Varsity Village Athletic Center. This project is one that blends art and engineering – and truly demonstrates the unique combination of sculptural design, crisp, weather-tight detailing, and uniform appearance possible only with precast.

HIGH CONCRETE TECHNOLOGY LLC

Visit www.highconcrete.com
1-800-PRECAST

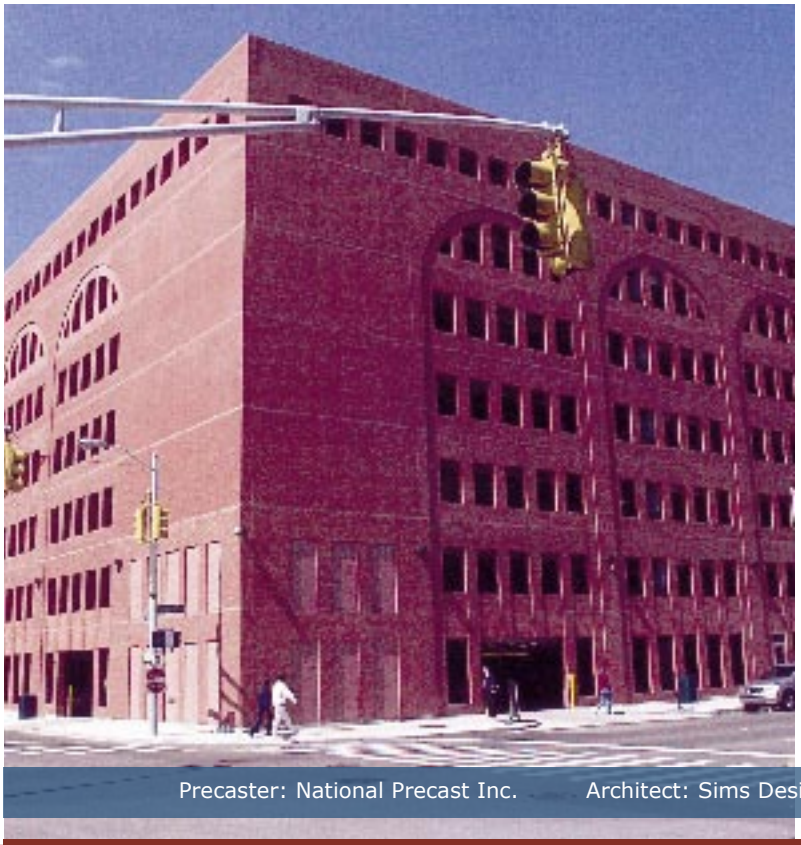
What resulted is an artfully conceived and carefully executed integration of form and structure; an extremely complex steel truss frame clad with 567 compound-curved, light gray, light sandblasted precast panels that actually wrap the individual steel structural elements to provide deep window recesses echoing the steel superstructure. In the horizontal plane, there are six convex, two concave, and eight compound transition curves cast using eight custom-constructed, all-steel forms; including a one-of-a-kind adjustable form.

"The precast dimensional precision is like a fine crafted watch. The way the pieces fit together is remarkable."
Mark Thurnauer - Project Architect - glaserworks

Precaster: High Concrete Technology, LLC Architect of Record: glaserworks Design Architect: Bernard Tschumi Architects
Engineer of Record: THP, Ltd., Inc Structural Engineer: Arup Structural Engineers

Greektown Valet Parking Deck

Detroit, Michigan



NATIONAL PRECAST, INC.

Visit www.nationalprecast.com
(586) 294-6430

Greektown Casino determined an immediate need for a parking garage to serve their valet operations with a required capacity in excess of 650 spaces.

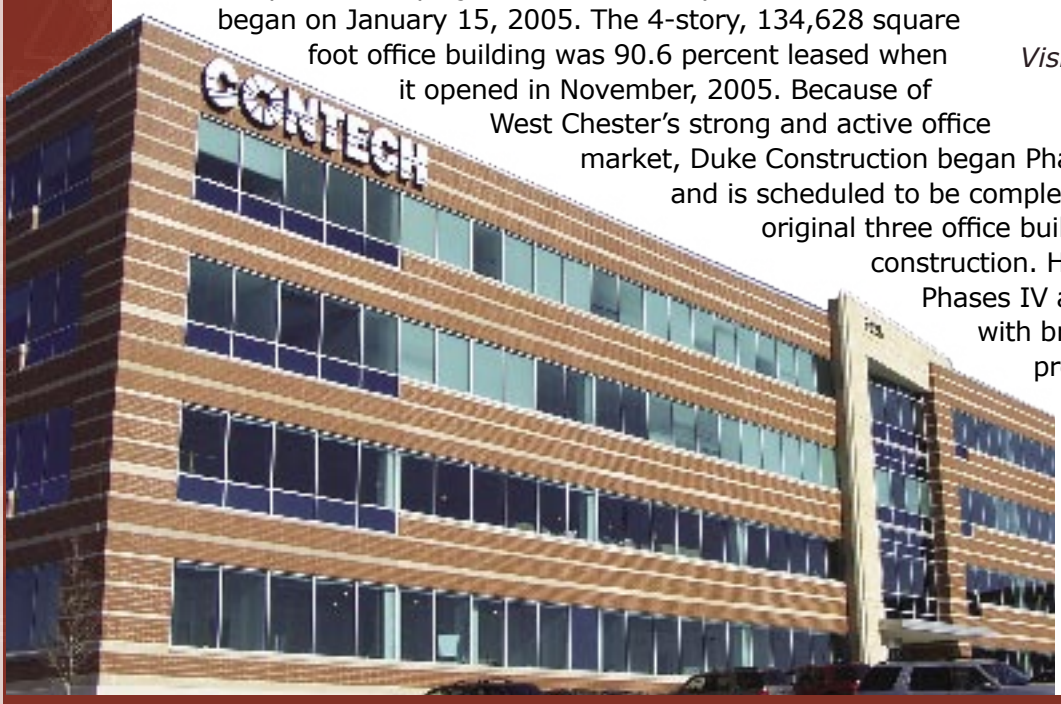
A strict requirement of the City and Historic Commission was to have the structure match the brick color of the surrounding buildings. The exposed exterior wall design expression and proportions were simulated by National Precast to match those of the surrounding area and traditional buildings.

"The project was completed on schedule and opened within the required time frame, a feat that could only have been accomplished using precast concrete." *Geoffrey Harrison - SDG*

Precaster: National Precast Inc. Architect: Sims Design Group (SDG) Engineer: Albert Kahn & Assocs. Inc.

Centre Pointe IV

West Chester Township, Ohio



In July of 2004, Duke Realty Corporation announced plans to develop Phase IV of Centre Pointe Office Park in West Chester Township, OH. The project, constructed by Duke Construction began on January 15, 2005. The 4-story, 134,628 square foot office building was 90.6 percent leased when it opened in November, 2005. Because of West Chester's strong and active office market, Duke Construction began Phase V on March 15, 2006 and is scheduled to be completed by March 2007. The original three office buildings were brick masonry construction. However, the exterior of Phases IV and V are constructed with brick inlay architectural precast panels which offer the traditional appearance of brick with added benefits and design options.

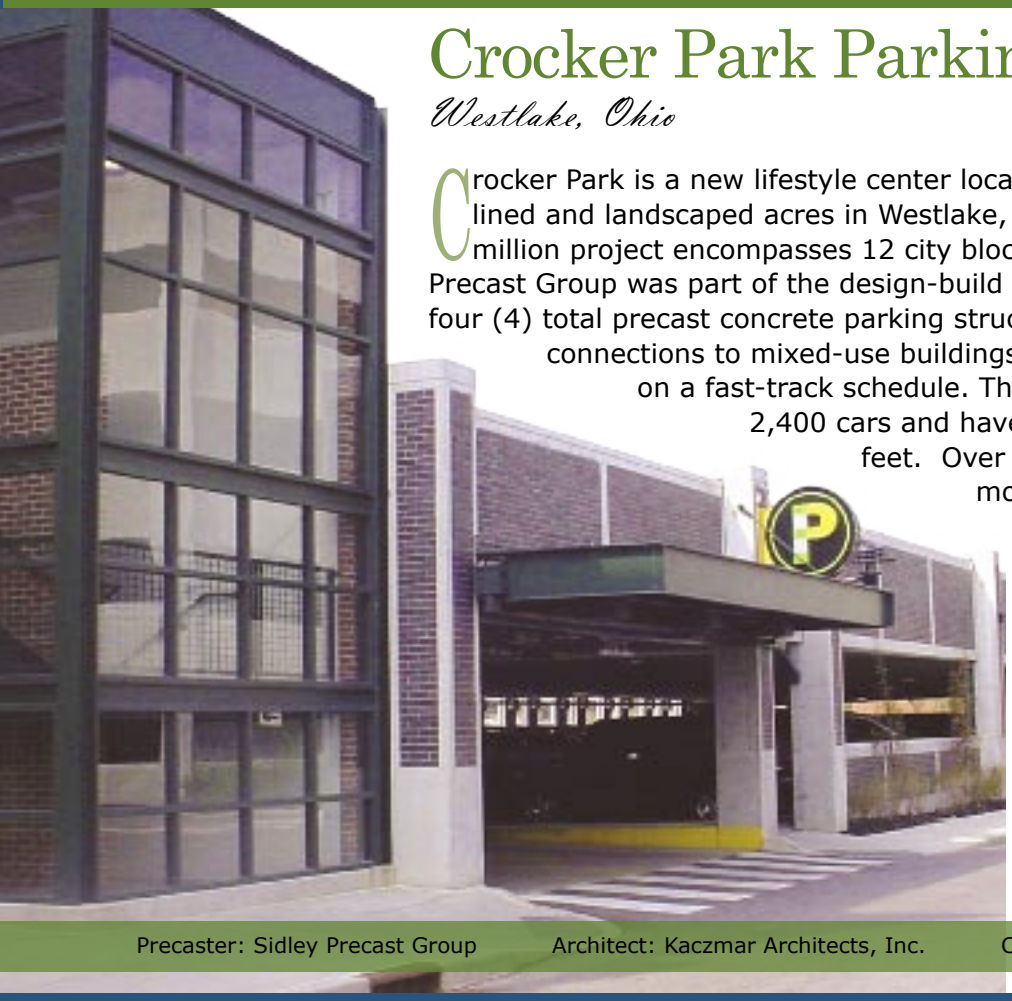
GATE

Visit www.gateprecast.com
(859) 744-9481

Precaster: Gate Precast Company Architect: KZF Design Contractor: Duke Construction

Crocker Park Parking Garages

Westlake, Ohio



Crocker Park is a new lifestyle center located on 75 tree-lined and landscaped acres in Westlake, OH; the $480 million project encompasses 12 city blocks. Sidley Precast Group was part of the design-build team that built four (4) total precast concrete parking structures and pedestrian bridge with connections to mixed-use buildings. The garages were built concurrently on a fast-track schedule. The garages provide parking for almost 2,400 cars and have a gross area of over 800,000 square feet. Over 717,000 square feet of concrete or more than 2,200 pieces were used to construct the parking garages.

Visit www.rwsidley.com
(800) 536-3232

"We had an 8 month schedule to build 2,400 parking spaces in 4 parking structures starting February 1st and completed by October 1st , the only way we could hit that date was to use precast."

Joe Klein, Arbor Construction Company, Inc.

Precaster: Sidley Precast Group Architect: Kaczmar Architects, Inc. Contractor: The Albert M. Higley Company

Villaggio at Page Pointe Condominiums

Indianapolis, Indiana

This Elegant, old-world style 8 Story Luxury Condominium Building in the heart of downtown Indianapolis was built on a tight site, with an aggressive construction schedule. Precast hollowcore floor panels on a structural steel frame offered the developer fast construction with maximum floor space flexibility for each of the 64 individual condominium units.

StresCore
Visit www.strescore.com
(574) 233-1117

"The use of precast concrete in construction offers us extreme flexibility, simplifies engineering and offers increased speed in construction. All of these factors go straight to the bottom line. Precast concrete is our preferred method of construction."

Rob Odendahl, Page Development

Precaster: StresCore Architect: Architectural Graphic Designs, Inc. Engineer: Smith/Roberts & Associates

Blue Chip Casino & Hotel

Michigan City, Indiana

Specialty precast pieces are an excellent way of achieving a unique façade to any structure. The distinctive architectural detail seen on the spandrels was achieved with a specially designed form liner.

Because the parking structure was built at the main entrance of an operating casino, one of the challenges was the precise coordination of traffic control during all phases of this project. Precast allowed the garage to be scheduled around the owner's needs, while still maintaining overall schedule.

CORESLAB STRUCTURES (INDIANAPOLIS) INC.

Visit www.coreslab.com
(317) 353-2118

"The precast structure was the most effective in meeting the client's budget and schedule requirements. The design/build delivery allowed us to provide the garage the client needed while using the experience of the precast contractor for the most practical layout and details."

Gordon Barker, Project Manager, Walsh Construction

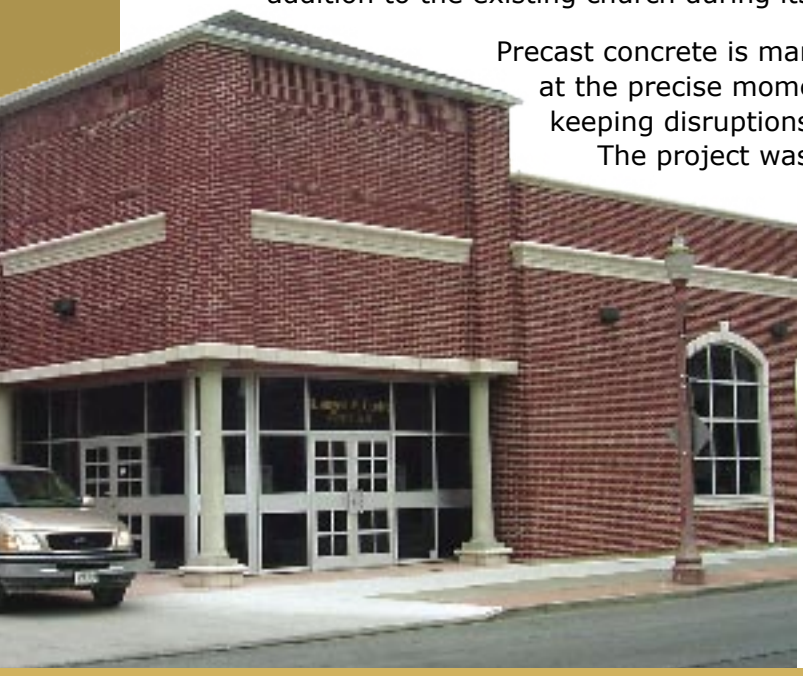
Precaster: Coreslab Structures (Indianapolis) Architect: YWS Architect, Ltd. Engineer: Walker Parking

St. Angela Merici Church

Windsor, Ontario

The Prestressed Group supplied approximately 6,500 sq. ft. of hollowcore and 4,600 sq. ft. of 10" insulated wall panels for St. Angela Merici Church.The project required a very quick turnaround time from start to finish as this was an addition to the existing church during its busiest time of the year.

Precast concrete is manufactured off site and delivered at the precise moment it is needed, thus assisting in keeping disruptions at the jobsite to a minimum. The project was completely installed in two days.



"The use of precast load bearing walls and hollowcore slabs allowed for a quick and easy installation procedure providing for minimal disruption to the adjacent commercial buildings".

Bruno Bortolotti, J.P. Thomson Architects

THE PRESTRESSED GROUP
HOLLOWCORE INCORPORATED
HOLLOWCORE MIDWEST, LLC
PSI Prestressed Systems, Inc.

Visit www.psi-hci.com or (313) 962-9189

Precaster: The Prestressed Group Architect: J.P. Thomson Architects Contractor: Front Construction

AIA/CES Registered
Lunch & Learn Programs

To arrange an AIA/CES presentation for Professional Development Hours in your office, register online at www.pcicentral.org/llp, email phil@pci-central.org or call 937-833-3900.

Program #	*Program Title/Description*	*HSW Learning Units*
AP002	**Architectural Precast: Detailing & Structural Considerations** Intended to familiarize architects with the various processes and aesthetic options used in the production of precast concrete.	1.5
HC001	**Hollowcore** See the manufacturing process and discover the benefits of using hollowcore. Finished projects are reviewed to show a variety of design applications.	2.0
PS001	**Precast Parking Structures: Design & Construction** Learn how to design precast parking structures to maximize economic efficiencies and create a more open and well-lit environment.	1.5
SCHOOL	**Design with Precast for Schools** This program demonstrates how a wide assortment of precast concrete construction materials can be utilized in the design of school facilities.	1.5
HPWP05	**High Performance Architectural Precast Wall Systems** Architects and others can learn about the numerous benefits of designing with a fully insulated, load-bearing exterior architectural precast wall system.	1.5
I001	**Precast Industrial Structures: Design & Construction** Learn the benefits and advantages of an integrated design approach in the design of specific types of precast industrial structures.	1.5
TOPRST	**Total Precast Structures** The program will familiarize the participant with what a total Precast concrete structure is, how a total Precast structure can benefit a project, and what components are used to construct a total Precast structure. Keys to a successful project will also be covered	1.5
B001	**Precast Bridge Design & Construction** Recognize the low initial cost, low maintenance requirements, and long life expectancy of prestressed concrete bridges.	1.5

Register online at www.pcicentral.org/llp.

The PCI Central Region appreciates our *"Partners in Promotion"*

GLCPA

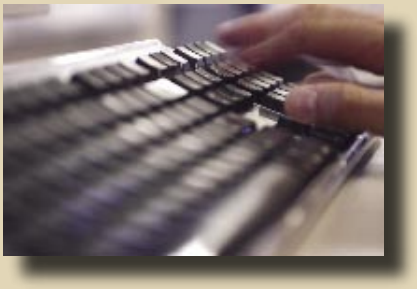
Great Lakes Cement Promotion Association

NECSA NorthEast Cement Shippers Association

Northeast Cement Shippers Association
www.necementshippers.com

Southeast Cement Association

Southeast Cement Association
www.secement.org



Mailing List updates

www.pcicentral.org/precaster

Additions, Corrections, New Address, Deletions

We appreciate hearing from you.

Thank You!

PCI Central Region

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Sidley Precast Group
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www.stressconindustries.com

Stress Con Industries, Inc.
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Nucon Schokbeton
Kalamazoo, MI
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Web: www.deamron.com

DBS Prestress of Ohio
Huber Heights, OH
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Eastern Vault Co., Inc.
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Web: www.fabcon-usa.com

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HIGH Concrete Technology, LLC
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Mid South Prestress, LLC
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Web: www.midsouthprestress.com

PCI Central Region

Calendar of Events

Upcoming Fall Precast Plant Tours

September 2006

12th - Gate Precast is hosting a Plant Tour in Winchester, KY. (Limited to first 23 registrants)
Register for this tour, please contact reply@gateprecast.com.

20th - National Precast is hosting a Plant Tour in Roseville, MI.
For information on this tour, please contact John Ciulis at jciulis@nationalprecast.com.

21st - High Concrete Technology is hosting a Plant Tour in Springboro, OH.
For information on this tour, please call 1-800-PRECAST.

28th - High Concrete Technology is hosting a Plant Tour in Paxton, IL.
For information on this tour, please call 1-800-PRECAST.

October 2006

10th - High Concrete Technology is hosting a Seminar in Paxton, IL.
Register online at www.concrete-answers.com or call Suzanne Dawes at 800-788-2370 Ext 119.

12th - Kerkstra Precast is hosting a Plant Tour in Grandville, MI.
For information on this tour, please contact Steve Bultema at sbultema@kerkstra.com.

19th - High Concrete Technology is hosting a Seminar in Springboro, OH.
Register online at www.concrete-answers.com or call Suzanne Dawes at 800-788-2370 Ext 119.

For a complete schedule of activities, please visit www.pci-central.org/events.

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