

PCI Central Region

PRECASTER precaster

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www.pcicentral.org

Issue 21

110 East Washington Street Parking Garage

Indianapolis, Indiana

he Hagerman Group determined a need to build a 7-level, 350 space, fully-automated parking garage on a very tight, restricted site in downtown Indianapolis. Hagerman turned to Coreslab Structures to construct the precast structure, overcoming the challenges of working out of a 2 story deep basement, having zero onsite storage, or having a place to accompany more than two precast delivery trucks at a time.

To add to the challenges, erection started during the Christmas holiday shopping season in bitter cold weather, with the only street access being on one of Indianapolis' busiest streets.

The project was a success, and the garage opened on schedule in the Spring of 2007.

"The task of parking 350 vehicles into a ½ acre lot with a high rise building two feet away on each side would not have been possible without utilizing precast concrete."

Chad Baker, Hagerman Construction



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





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. Any questions, please email phil@pci-central.org or call 937-833-3900.

Program # Program Title & Description

APC07 **Architectural Precast Concrete**

Learn about the aesthetic options of color, form and texture of architectural precast concrete, as well as the design flexibility and economy of using precast concrete.

HLC07 **Hollow-Core Design & Construction**

Learn the basics of hollow-core concrete floors and roofs including: design parameters, fire safety, acoustic properties, maintenance needs, speed of construction, and environmental benifits.

PRK07 **Precast/Prestressed Parking Garage Design**

Learn the basics of precast concrete parking structures including: design parameters, personal safety, fire safety, environmental benefits and the design flexiblity.

SUS06 Sustainable Design Using Precast (LEED)

Learn the basic environmental benefits of designing with precast/prestressed concrete.

TOPRST **Total Precast Structures**

Learn the basic applications and design components of precast/prestressed concrete.

IND07 **Precast/Prestressed Industrial Structures**

Learn how precast concrete systems work with industrial buildings, including food preparation facilities, heavy manufacturing, warehouses, and more.

SCH07 **Precast Concrete Design for Schools**

Learn the basics of designing school buildings using precast/prestressed concrete, this program includes: design flexibility, acoustic properties, fire safety, indoor and outdoor environmental benifits, maintenance needs, life cycle costs and the speed of construction.

BRID07 **Precast/Prestressed Concrete Bridge Design**

& Construction

Learn about the maintenance requirements, fire resistance, riding characteristics and life expectancy of prestressed concrete bridges.

HOU07 **Precast Concrete Multifamily Housing**

Learn the basics of using precast/prestressed concrete in multi-family housing.

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.



Register for lunch & learn presentations at www.pcicentral.org/llp

PCI Central Region Producers



ATMI INDY, LLC

Greenfield, IN Phone (317) 891-6280 Web: www.atmiprecast.com



Sidley Precast Group
/ Carr Concrete Corp.

Waverly, WV

Phone: (800) 837-8918



Coreslab Structures (Indianapolis) Inc.

Indianapolis, IN Phone: (317) 353-2118 Web: www.coreslab.com

deAM-RON

deAM-RON Building Systems, LLC

Owensboro, KY Phone: (270) 684-6226 Web: www.dbsprestress.com



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Web: www.dukaneprecast.com

Dukane Precast, Inc.

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Dukane Precast, Inc.

Plainfield IL

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Eastern Vault Co., Inc.

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Gerace Construction Company, Inc.

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Email: duane@geraceconstruction.com

HIGH CONCRETE

High Concrete Group LLC

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High Concrete Group LLC

Paxton, IL

Phone: 1-800-PRECAST

THE PRESTRESSED GROUP

HOLLOWCORE

Hollowcore Incorporated

Detroit, MI

Phone: (313) 962-9189 Web: www.psi-hci.com



Hollowcore Midwest, LLC

Fairfield, OH

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Prestressed Systems Inc.

Windsor, Ontario Phone: (519) 737-1216



Hoosier Precast

Salem, IN

Phone: (812) 883-4665



Hoosier Prestress, Inc.

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Phone: (615) 661-5198

Web: www.hoosierprestress.com

Indianapolis, IN

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Dayton, OH

Phone: (937) 264-9569

Cincinnati's First All-Precast School

Cincinnati, Ohio

oberts Paideia Academy started out as a steel frame, brick and block school. However, to accelerate the construction schedule, the owner chose insulated architectural load bearing exterior wall panels with accent bands of embedded thin brick facing.

Roberts is a three story school built from a precast kit of parts comprising a full range of precast components. The school's design lent itself to precast, which allowed more flexibility to accommodate the unique design requirements of the Paideia curriculum.

The precast was produced off-site providing a savings versus conventional block and brick. The all-precast approach also made it easy to achieve fire ratings, faster installation and superior interior flexibility. The school is also thermally efficient and LEED friendly. It is built in the International style with an acid etched precast facade.

Construction was completed on schedule and in time for school to open in the spring of 2007.



"The interior finish of Roberts Academy is 100% better than block. The classrooms look like they're finished in drywall."

Randall G. Merrill, AIA, McGill Smith Punshon





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www.psi-hci.com (513) 829-1555



St. Joseph Mercy Hospital

Ann Arbor, Michigan

The design intent of the new 11-story replacement tower was to capture the spirit of the existing campus while making a new statement as it looks towards the future.

Based on the design, time, budget, and the large scale of the project, brick-faced precast panels were ideal for the tower. The brick-faced precast panels also offered the architect freedom of design expression because the details were created in a controlled environment off-site. The precast panels were plant manufactured which eliminated interference with the other on-site construction operations.



www.nationalprecast.com (586) 294-6430

"I'm glad we chose precast concrete because it provided an economical way to achieve the warmth and character that the client desired, provided HKS with the ability to achieve our design goals, the structural engineer with additional structural capabilities, and allowed the contractor to complete the project on time and on budget. "

John Avdoulos, HKS Architects, P.C.

Precaster: National Precast

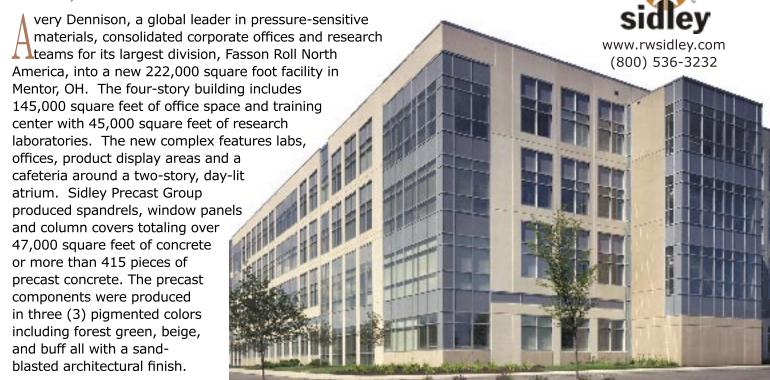
Architect: HKS Architects, P.C.

Engineer: Ehlert/Bryan, Inc.

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Avery Dennison at Newell Creek

Mentor, Ohio



PCI Central Region Producers



Mid South Prestress, LLC

Pleasant View, TN Phone: (615) 746-6606

Web: www.midsouthprestress.com



Kerkstra Precast, Inc.

Grandville, MI

Phone: (800) 434-5830 Web: www.kerkstra.com



KSA

Sciotoville, OH Phone: (740) 776-3238 Web: www.koppers.com



Mack Industries

Valley City, OH Phone: (800) 482-3111

Web: www.mackconcrete.com



National Precast, Inc.

Roseville, MI

Phone: (586) 294-6430

Web: www.nationalprecast.com

National Precast Structural, Inc.

Shelby Township, MI Phone: (586) 247-1201



Pittsburgh Flexicore Company, Inc.

Monongahela, PA Phone: (724) 258-4450

Web: www.pittsburghflexicore.com



Precast Specialties, Inc.

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Phone: (260) 623-6131

Web: www.precastspec.com



PREMARC

Grand Rapids, MI Phone: (800) 968-2662 Web: www.premarc.com



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Phone: (859) 299-0461

Web: www.prestressservices.com

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Henderson, KY

Phone: (270) 826-6244

Prestress Services Industries, LLC

Melbourne, KY

Phone: (859) 441-0068

Prestress Services Industries, LLC

Grove City, OH

Phone: (614) 871-2900

Prestress Services Industries, LLC

Decatur, IN

Phone: (260) 724-7117

Prestress Services Industries TN, LLC

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Renaissance Precast Industries, LLC

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Phone: (313) 297-7700

Web: www.renaissanceprecast.com



Sequatchie Concrete Service

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Sidley Precast Group

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Phone: (800) 536-3232 Web: www.rwsidley.com

Sidley Precast Group

Youngwood, PA Phone: (800) 745-6546



Stress Con Industries, Inc.

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Phone: (313) 873-4711

www.stressconindustries.com

Stress Con Industries, Inc.

Saginaw, MI

Phone: (989) 755-4348

Nucon Schokbeton

Kalamazoo, MI

Phone: (269) 381-1550

STRESCORE

Strescore Inc.

South Bend, IN

Phone: (574) 233-1117 Web: www.strescore.com



United Precast

Mt. Vernon, OH Phone: (740) 393-1121

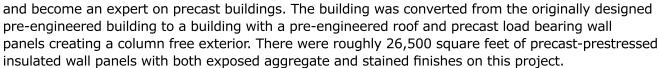
Web: www.unitedprecast.net

Action Packaging

Caledonia, Michigan

he owner's of Action Packaging have had years of experience building manufacturing I facilities with many different building products. The facility was originally designed as a pre-engineered building, however, when the owners met with their contractor, First Companies, they were given an entirely different option, precast wall panels.

First Companies is making it their goal to set themselves apart as a general contractor

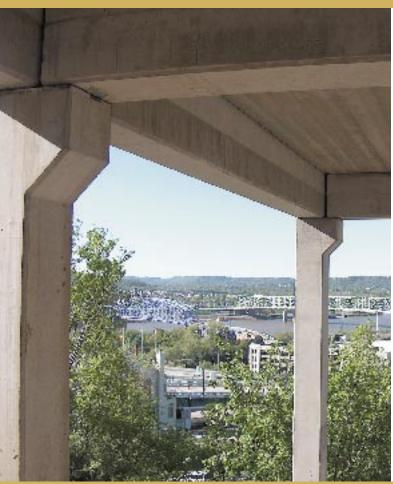


"Precast has definitely proven to be a great choice for Action Packaging. The ease and timeliness of watching the precast being installed was amazing. It has kept our Plant cooler in the summer and warmer in the winter with its insulating affect. I have been involved in building 3 other manufacturing facilities without precast walls and can honestly say that I would not consider a steel building again." Butch Stoner, Action Packing, owner



www.kerkstra.com 1-800-434-5830

Engineer: HGS Limited Architect: Dixon Architecture Precaster: Kerkstra Precast



Precaster: Hoosier Prestress

Architect: ATA

Mount Adams Incline

Cincinnati. Ohio

spen Properties, LLC wanted to build luxury town homes on the prestigious Mount Adams overlooking downtown Cincinnati. The property slopes dramatically which provided the design build team a challenge of how to get the elevated building pad to put these town homes onto.

Hoosier Prestress provided the Architect with design ideas for this precast platform on this severely sloping site with very minimal access. Hoosier Prestress worked hand in hand with the design team to fully engineer, manufacture and install 10,000 sf of 8" hollow-core, 26 pieces of 16" X 16" precast columns of varying lengths and 58 pieces of precast beams for this outstanding precast project.

HOOSIER O O O O DESTRESS, INC.

www.hoosierprestress.com (615) 661-5198

Engineer: John Woolfert, Smith/Roberts & Associates

Chapter of PCI 9626 Upper Lewisburg Salem Road Brookville, Ohio 45309

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