

PCI Central Region

# PRECASTER

*precaster*

phil@pcicentral.org • 937-833-3900

[www.pcicentral.org](http://www.pcicentral.org)

Issue 19

## West General Robinson Street Garage

*Pittsburgh, Pennsylvania*

In Spring 2006 Sidley Precast Group completed erection on the West General Robinson Street Garage located on Pittsburgh's North Side. The 10-story garage is situated in a triangle between the elevated entrance and exit ramps for Route 279 and the Fort Duquesne Bridge. The 1,233 car capacity structure will be utilized by weekday commuters and for sporting events since its neighbors include Heinz Field, home of the Steelers, and PNC Park, home of the Pirates. Retail space on first floor street level and a future connection to a light rail "T" station to connect the North Side to Downtown are a couple of the garages unique features. The total precast structure was built utilizing 495,897 square feet of architectural and structural precast concrete components.



“The choice of precast as the dominant structural and cladding material throughout the garage was both cost effective and an important aspect of meeting a demanding construction schedule, which called for completion of the structure in advance of the 2006 Major League Baseball All-Star Game in Pittsburgh.”

*Alan Weiskopf, Perfido Weiskopf Wagstaff + Goettel*





## 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](http://www.pcicentral.org/llp). Any questions please email [phil@pci-central.org](mailto: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 benefits.
- 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 flexibility.
- 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 benefits, 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.



**M**ailing List  
updates

[www.pcicentral.org/precaster](http://www.pcicentral.org/precaster)

Additions, Corrections,  
New Address, Deletions

We appreciate hearing  
from you. *Thank You!*

Register for lunch & learn presentations  
at [www.pcicentral.org/llp](http://www.pcicentral.org/llp)

# PCI Central Region

Phone: 937-833-3900

[www.pcicentral.org](http://www.pcicentral.org)

[phil@pci-central.org](mailto:phil@pci-central.org)

## ATMI INDY

Greenfield, IN  
Phone (317) 891-6280



## 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](http://www.coreslab.com)

## deAM-ROn

deAM-ROn Building Systems, LLC  
Owensboro, KY  
Phone: (270) 684-6226  
Web: [www.dbsprestress.com](http://www.dbsprestress.com)



DBS Prestress of Ohio  
Huber Heights, OH  
Phone (937) 878-8232

## dukane|precast

Dukane Precast, Inc.  
Naperville, IL  
Phone: (630) 355-8118  
Web: [www.dukaneprecast.com](http://www.dukaneprecast.com)

Dukane Precast, Inc.  
Aurora IL

Dukane Precast, Inc.  
Plainfield IL

## EASTERN VAULT CO., INC.

Eastern Vault Co., Inc.  
Princeton, WV  
Phone: (304) 425-8955



Better, Stronger, Faster

Fabcon  
Indianapolis, IN  
Phone: (800) 954-4444  
Web: [www.fabcon-usa.com](http://www.fabcon-usa.com)

Fabcon  
Grove City, OH  
Phone: (800) 900-8601



Gate Precast Company  
Winchester, KY  
Phone: (859) 744-9481  
Web: [www.gateprecast.com](http://www.gateprecast.com)

Gate Precast Company  
Ashland City, TN  
Phone: (615) 792-4871



Gerace Construction Company, Inc.  
Midland, MI  
Phone: (989) 496-2440  
Email: [duane@geraceconstruction.com](mailto:duane@geraceconstruction.com)



High Concrete Group LLC  
Springboro, OH  
Phone: 1-800-PRECAST  
Web: [www.highconcrete.com](http://www.highconcrete.com)

High Concrete Group LLC  
Paxton, IL  
Phone: 1-800-PRECAST

## THE PRESTRESSED GROUP

### HOLLOWCORE INCORPORATED

Hollowcore Incorporated  
Detroit, MI  
Phone: (313) 962-9189  
Web: [www.psi-hci.com](http://www.psi-hci.com)

### HOLLOWCORE MIDWEST, LLC

Hollowcore Midwest, LLC  
Fairfield, OH  
Phone: (513) 829-1555



Prestressed Systems Inc.  
Windsor, Ontario  
Phone: (519) 737-1216

Hoosier Precast  
Salem, IN  
Phone: (812) 883-4665



Hoosier Prestress, Inc.  
Brentwood, TN  
Phone: (615) 661-5198  
Web: [www.hoosierprestress.com](http://www.hoosierprestress.com)

Indianapolis, IN  
Phone: (317) 635-5195

Dayton, OH  
Phone: (937) 264-9569



Mid South Prestress, LLC  
Pleasant View, TN  
Phone: (615) 746-6606  
Web: [www.midsouthprestress.com](http://www.midsouthprestress.com)



ATMI Indy, Greenfield, IN  
 Carr Concrete Corp./Sidley Precast Group, Waverly, WV  
 Coreslab Structures (Indianapolis) Inc., Indianapolis, IN  
 DBS Prestress of Ohio, Huber Heights, OH  
 deAM-ROn Building Systems, LLC, Owensboro, KY  
 Eastern Precast, Naperville, IL  
 Eastern Vault Co., Inc., Princeton, WV  
 Fabcon, Carmel, IN  
 Fabcon, Grove City, OH  
 Gate Precast Company, Inc., Winchester, KY  
 Gate Precast Company, Inc., Ashland City, TN  
 Gerace Construction Company, Inc., Midland, MI  
 High Concrete Group LLC, Springboro, OH  
 Hollowcore Group LLC, Paxton, IL  
 Hollowcore Incorporated, Detroit, MI  
 Hoosier Precast, Salem, IL  
 Hoosier Precast, Fairfield, OH  
 Hoosier Prestress, Inc., Brentwood, TN  
 Hoosier Prestress, Inc., Brentwood, TN

PCI Central Region  
 Phil Wiedemann  
 Phone: 937-833-3900  
 Web: www.pci-central.org  
 Email: phil@pci-central.org

	(317) 891-6280	(800) 837-8918	(317) 353-2118	(937) 878-8232	(270) 684-6226	(630) 355-8118	(304) 425-8955	(800) 954-4444	(800) 900-8601	(859) 744-9481	(615) 792-4871	(989) 496-2440	(800) PRECAST	(800) PRECAST	(313) 962-9189	(513) 829-1555	(812) 883-4665	(615) 661-5198	(937) 264-9569	(317) 635-5195
Architectural Precast			✓			✓				✓	✓	✓	✓	✓						
Architectural Trim Units						✓				✓	✓	✓	✓	✓						
Structural Wall Panels	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Sound Walls				✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hollowcore				✓	✓								✓	✓	✓	✓		✓	✓	✓
Double Tees			✓	✓	✓	✓						✓	✓	✓	✓	✓		✓	✓	✓
Beams, Columns, Joists			✓	✓	✓	✓						✓	✓	✓	✓	✓		✓	✓	✓
Stadium Seats			✓	✓	✓	✓	✓					✓	✓	✓	✓	✓				
Box Beams/Voided Slabs		✓		✓	✓	✓	✓					✓			✓	✓	✓			
I - Beams, Girders												✓	✓	✓	✓	✓				
Piles												✓								
Rail Road Ties																				
Cell Modules												✓								
Box Culverts		✓		✓	✓	✓	✓													
Lintels, Sills, Mullions																				
Insulated Wall Panels	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Double - Wall Insulated Wall Panels						✓						✓								
Single / Double - Wall Floors						✓						✓								



# PCI Central Region

Phone: 937-833-3900    www.pcicentral.org    phil@pci-central.org



**Kerkstra Precast, Inc.**  
Grandville, MI  
Phone: (800) 434-5830  
Web: www.kerkstra.com



**KSA**  
Sciotoville, OH  
Phone: (740) 776-3238  
Web: www.koppers.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.**  
Monroeville, IN  
Phone: (260) 623-6131  
Web: www.precastspec.com



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



**Prestress Services Industries, LLC**  
Lexington, KY  
Phone: (859) 299-0461  
Web: www.prestressservices.com

**Prestress Services Industries, LLC**  
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



**Renaissance Precast Industries, LLC**  
Detroit, MI  
Phone: (313) 297-7700  
Web: www.renaissanceprecast.com



**Sequatchie Concrete Service**  
South Pittsburg, TN  
Phone: (423) 867-4510  
Web: www.seqconcrete.com



**Sidley Precast Group**  
Thompson, OH  
Phone: (800) 536-3232  
Web: www.rwsidley.com

**Sidley Precast Group**  
Youngwood, PA  
Phone: (800) 745-6546



**Stress Con Industries, Inc.**  
Detroit, MI  
Phone: (313) 873-4711  
www.stressconindustries.com

**Stress Con Industries, Inc.**  
Saginaw, MI  
Phone: (989) 755-4348

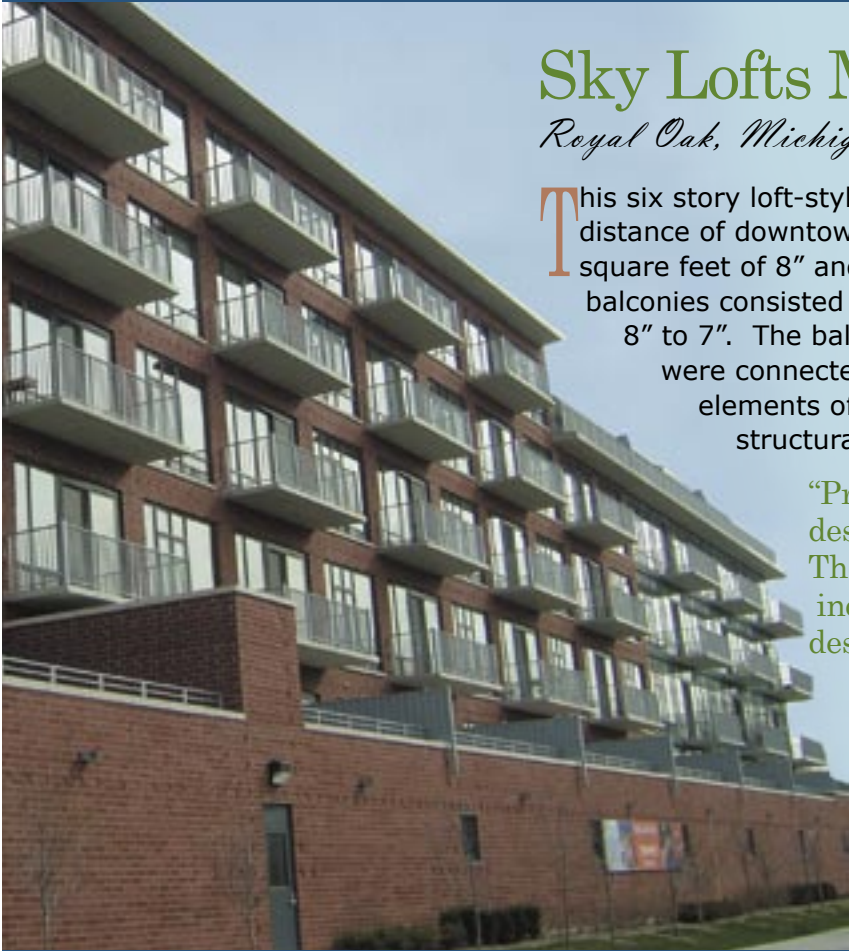
**Nucon Schokbeton**  
Kalamazoo, MI  
Phone: (269) 381-1550



**Strescore 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



# Sky Lofts Market Square

*Royal Oak, Michigan*

This six story loft-style condominium, located within walking distance of downtown Royal Oak, Michigan consisted of 154,000 square feet of 8" and 12" hollowcore plank. The cantilevered balconies consisted of solid broomed balconies tapered from 8" to 7". The balconies cantilevered 6' off the building and were connected back to precast. Dealing with the elements of winter construction, precast on a structural steel frame proved to be the right choice.

*"Precast proved to be the most economical design solution for this loft condominium. The project suffered no delays during inclement weather and allowed for the design feature of cantilevered balcony's without unusual premiums"*

*Bill Korte Frank Rewold and Son, Inc.*



[www.kerkstra.com](http://www.kerkstra.com)  
(800) 434-5830

Precaster: Kerkstra Precast

Contractor: Frank Rewold and Son, Inc.

Architect: OKW Architects

# Lewis and Clark Confluence Tower

*Hartford, Illinois*

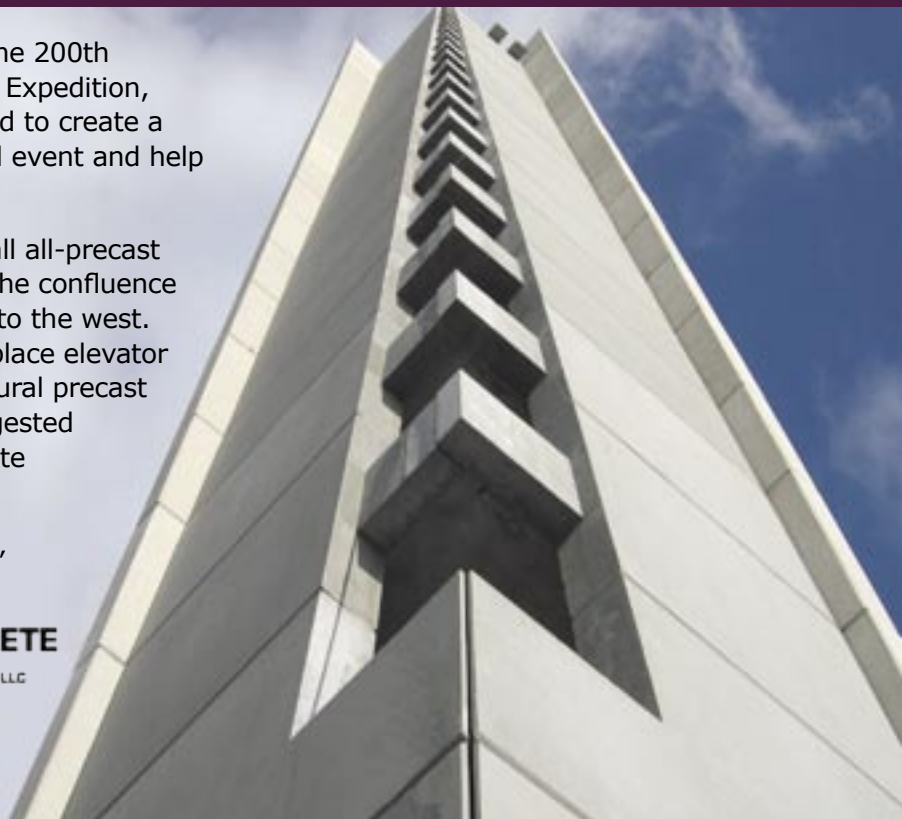
Spurred by the national interest in the 200th Anniversary of the Lewis and Clark Expedition, Hartford, Illinois city leaders wanted to create a legacy structure to mark the historical event and help the local tourism economy.

The structure consists of a 190 feet tall all-precast concrete tower, high enough to view the confluence of the Mississippi and Missouri Rivers to the west. The original design called for cast-in-place elevator and stair cores covered with architectural precast cladding. Instead, High Concrete suggested coloring the structural precast concrete and sandblasting its exterior surfaces, eliminating completely the need for separate architectural precast panels."



An Affiliate of High Industries Inc.

[www.highconcrete.com](http://www.highconcrete.com)  
1-800-PRECAST



Precaster: High Concrete Group LLC

Architect/Contractor: Kennedy Associates Inc

Engineer: SSE



# Knoxville Hampton Inn

*Knoxville, Tennessee*

According to Alex Davis, general contractor with D&S Construction, the site for the Hampton Inn was challenging in that it is located on a busy corner and the building goes from property line to property line. Very little street access was available for staging and or erecting the structure.

The structural system selected is the relatively new "Girder Slab" system, fabricated by Towe Ironwork's Wiley Johnson, which consists of uniquely fabricated steel girders that allow the plank to bear on its bottom flange. The structure, including the 520 pieces of precast concrete plank, was topped out (steel and plank) 6 weeks after foundations were turned over to the erector.

"The use of this system in combination with other redesign inputs reduced the overall height of the structure 1ft below the city's high rise code. This yielded additional savings in smoke detection, fire suppression, fireproofing, elevator design, and reduced the requirements for emergency stand-by power."

*Andy Powers, Architect, Ross Fowler Architects in Knoxville TN*



[www.midsouthprestress.com](http://www.midsouthprestress.com)  
(615) 746-6606

Precaster: Mid South Prestress

Architect: Ross Fowler Architects

Engineer: Carpenter & Wright Engineers

9626 Upper Lewisburg Salem Road  
Brookville, Ohio 45309

*Chapter of PCI*  
**PCI Central Region**

[www.pcicentral.org](http://www.pcicentral.org)  
937-833-3900



PRESORT STD  
U.S. POSTAGE  
PAID  
DAYTON, OHIO  
PERMIT NO. 422