

MPA MEMBERS



Andrews Prestressed Concrete
Aaron Andrews
Clear Lake, IA
(641) 357-5217



Concrete Inc.
Bob Sween
Grand Forks, ND
(701) 772-6687



Fabcon Inc.
Jim Houtman
Savage, MN
(952) 890-4444



Gage Brothers Concrete Products Inc.
Tom Kelley
Sioux Falls, SD
(605) 336-1180



Hanson Structural Precast Midwest, Inc.
Matt Westgaard
Maple Grove, MN
(763) 425-5555



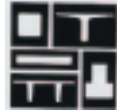
Coreslab Structures (OMAHA) Inc.
Shane Connor
Omaha, NE
(402) 291-0733



Molin Concrete Products Co.
John Saccoman
Lino Lakes, MN
(800) 336-6546



County Materials Corp.
Don Hall
Roberts, WI
(800) 426-1126



Prestressed Concrete, Inc.
Rod Nicholson
Newton, KS
(316) 283-2277



Enterprise Precast Concrete Inc.
Colm Breathnach
Omaha, NE
(402) 895-3848



Wells Concrete Products Co.
Spencer Kubat
Wells, MN
(800) 658-7049



MIDWEST PRECAST ASSOCIATION

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PCI Plant Certification Program Assures Highest Quality Workmanship



PCI Plant Certification is your only practical means of confirming that a manufacturing plant has an ongoing quality assurance system in place. PCI Certified Plants must consistently demonstrate their commitment to quality principles and practices.

A 120-point audit examines all aspects of the plant operation, including engineering practices and management commitment. Numerical grading is uniform coast-to-coast and large plant to small. Grades are non-negotiable. Failures require a thorough review of improvements with an extra audit within 60 days.

But most plants don't fail! They're committed to doing it right the first time, on time, every time which saves you material and labor costs. Using quality products helps speed erection and reduces construction time.



By specifying products from a PCI-Certified Plant, you deal with established producers – many of which have been certified for more than 30 years and have earned a reputation for superior, reliable workmanship. Precast concrete components produced by a plant that is certified by PCI are created under strict, factory-controlled conditions. This results in closer tolerances and uniform consistency between pieces, which permits faster construction time while enhancing long-term appearance and performance.



The best part about PCI Plant Certification is that there is no direct cost to you! The certified plant pays ongoing fees which become part of doing business.

Without PCI Plant Certification, there's no assurance that a plant has any quality commitments or controls in place, much less a program approved by an entire national industry; a program that has continued to grow and develop since its inception more than 35 years ago. PCI Plant Certification is your assurance of confirmed capability and a commitment to quality.

For more information on the PCI Plant Certification Program, visit <http://www.pci.org>



September is NATIONAL PRECAST MONTH

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Ivy Steel & Wire
JVI, Inc
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The Village at Legacy Point Waukee, IA

Located on 75 acres in beautiful Waukee, Iowa, Legacy Pointe offers a brand new direction in senior living with individual neighborhoods that create a small community ambiance while offering living choices that match the needs of its residents.

Owner: Ewing Land Development
Architect: Architects- Wells Kastner Schipper, Des Moines, IA
Engineer: Tometich Engineering, Inc.
Contractor: Legacy Construction, Pella IA
Precaster: Andrews Prestressed Concrete

A-WKS chose prestressed concrete as the substructure for this development. Using 41,074 square feet of hollow core, 511 lineal feet of columns and 1,053 lineal feet of beams, the complete senior-living community that was envisioned was achieved.



Delmar Gardens, St. Louis, MO

The Delmar Gardens project consists of 45,000 square feet of architectural precast which involved the use of many different pieces - including granite-clad; radii and multiple mix design pieces.



Architect: Grey Architecture
Contractor: Duke Construction
Precaster: Enterprise Precast

The main design goal of the project was to provide two buildings that mirror each other. A smooth transition between the buildings was desired in order to achieve a "campus feel" rather than the standard office building park look. The use of architectural precast was essential to providing this feature.



Delmar Gardens is located in a high seismic region which caused a significant challenge for the precast in this project. The loading of the precast is not transferred back to the frame of the buildings. Instead the precast uses a stacking method which transfers the load directly into the footing. By using the stacking method, the sizing of the steel frame for the building was reduced while still conforming to local seismic codes.

Moorhead Technical College Moorhead, MN

This structure is comprised of architectural panels using a white cement, limestone aggregate, with white cement lightly sandblasted, and plain structural panels used as back up for the brick veneer. The use of precast provided economical winter construction and improved schedule to ensure completion prior to school opening in the fall of 2006.

Owner: Moorhead Technical College
Architect: YHR Partners LTD
Engineer: Solien Larson Engineering
Contractor: Comstock Construction
Precaster: Concrete, Inc.



Linden Street Lofts/The Village at Mendota Heights, MN

Being built on the original site of the 19th century Mendota Heights city hall, The Linden Street Lofts are part of a complex being constructed known as "The Village at Mendota Heights." This \$60 Million Dollar Project is going to be a great addition to the Mendota Heights area. The Linden Street Lofts will feature a brick facade with a stone veneer in a total of 36 one level units. The Lofts will also feature underground parking, private balconies and an exercise room. This project required 600 TLF of beams, 200 TLF of columns, and 20,000 Sq. Ft. of hollow core decking providing a sound and fire barrier for the first floor. Safety, speed of construction and efficiency weren't the only reasons for using precast concrete. The Village was able to capitalize on a "small town feel" where space would normally be taken up by large parking lots.

Owner: The Village at Mendota Heights, LLC
Architect: Elness, Swenson, Graham Architects Inc.
Engineer: Meyer, Borgman, and Johnson Inc.
Contractor: Rochon Corp
Precaster: Molin Concrete Products Co.

The Village at Mendota Heights is based on the "Market Square" plan designed by turn of the century architect Howard Van Doren Shaw. Shaw's design called for a harmony between residential building and retail businesses available close by. In a way, this project is a throwback to the turn of the century. This recent retro-urbanization has proven to be appealing to customers and residents alike, yielding further demand for this type of housing. People want the convenience of living in an area with a suburban feel accompanied with various retail options close by - the Village at Mendota Heights seeks to give them that.



Osawatomi High School USD 367, Osawatomi, KS

Owner: Osawatomi High School USD 367
Architect: DLR Group, Overland Park, Kansas
Engineer: Structural Group Inc.
Contractor: McPherson Contractors, Inc.
Precaster: Prestressed Concrete, Inc.

Osawatomi High School wanted a new gym and swimming pool that would be utilized both for the school and the community. They wanted a facility that would be virtually maintenance free while still maintaining a high aesthetic value. Precast was chosen.



The exterior prestressed panels chosen for the facility are white and are 12 feet wide. The gym panels are 8" solid white panels while the pool walls are 13" sandwich panels utilizing 2" of extruded polystyrene insulation. The connections and embedded plates for the pool are all stainless steel and the roof in the pool utilized 32" double tees which spanned 75 feet.

Since school was still in session and the jobsite was extremely tight, the precast option was a natural option for this construction. The white concrete panels with unique rustications blended well with the brick of the older part of the school.

Bell Tower South, Maple Grove, MN

Fitting 10 gallons into a 5 gallon pail, again! In 2004 Wells Concrete Products was part of the team that constructed Bell Tower West in Maple Grove. The owner/contractor called upon Wells Concrete Products to construct another Bell Tower project at the intersection of I-694 and Hemlock. The design allowed maximum utilization of location and site size for the almost 80,000 square feet project that includes parking under the main structure and below a portion of the on grade parking lot. Wells Concrete Products assisted the architect and engineer with framing solutions for span, loading and fire resistance requirements unique for the lease spaces.

Owner: LandCor Inc.
Architect: McCoy Architects
Engineer: Bloom Consultants
Contractor: LandCor Inc.
Precaster: Wells Concrete Products

Much of the framing and design requirements were used from the Bell Tower West project as were the same tight schedule and tight access requirements. Again, construction started during the winter. But, by utilizing a total precast structure, which included stairs and landings inside fire resistive precast panel shafts, LandCor was able to create a weather tight enclosure with only half of the building frame erected. The floors were instantly accessible by all trades by way of the precast stairs. There are three stairwells and two elevators in the completed structure.

The exterior wall and spandrel panels were load bearing for the long span double tee floors and roof. Two inches of Styrofoam insulation was sandwiched into the walls and spandrels. By making these exterior framing elements insulated, each floor was able to be heated as soon as the windows were installed. Since some of the areas were not leased right away, it was not necessary to do any additional insulating after the precast was installed.

The exterior, in addition to being structural and insulated, was finished with a combination of utility sized brick and smooth gray concrete to match an older adjacent building constructed of field laid brick. The owner again utilized the signature element (the bell tower) on this project along with the precast cornice pieces. A new feature was the curved spandrels at the front entrance and in the rear of the building.

