



Photo: Connie Zhou | OTTO



PRECAST COMPANY



"For the main library for the city of Jacksonville, we wanted to create a unique finish to approximate the surface of coquina stone. We are pleased with the look achieved with precast."

— Jim Pearson, Partner
ROBERT A.M. STERN ARCHITECTS

confidence

Gate Precast Company, a subsidiary of Gate Petroleum Company headquartered in Jacksonville, Florida, is one of the nation's largest producers of architectural precast concrete, prestressed hollow core slabs, transportation/infrastructure and marine components. We have built confidence based upon integrity and service, therefore enjoying a reputation for superior quality within our multiple plant locations serving over two-thirds of the United States. We offer design assistance to help maximize the performance, value and the quality of your projects from schematic to occupancy.

Gate has a dedicated research and development program which is routinely developing innovative new products and techniques for the built environment.



JACKSONVILLE PUBLIC LIBRARY
Jacksonville, FL

This monumental building which is 300,000 s.f. is the first project of this size to showcase a rusticated GATE Stone architectural precast finish. The architect desired a classic coquina stone finish. Gate's flexible architectural precast design made it the perfect choice to simulate natural stone. It is not uncommon to see pedestrians reach out and touch the exterior to feel the texture.

Architect: Robert A.M. Stern Architects and Rolland, DelValle & Bradley
Contractor: The Aucther Company-Elkins-Lodestar-Parris Joint Venture

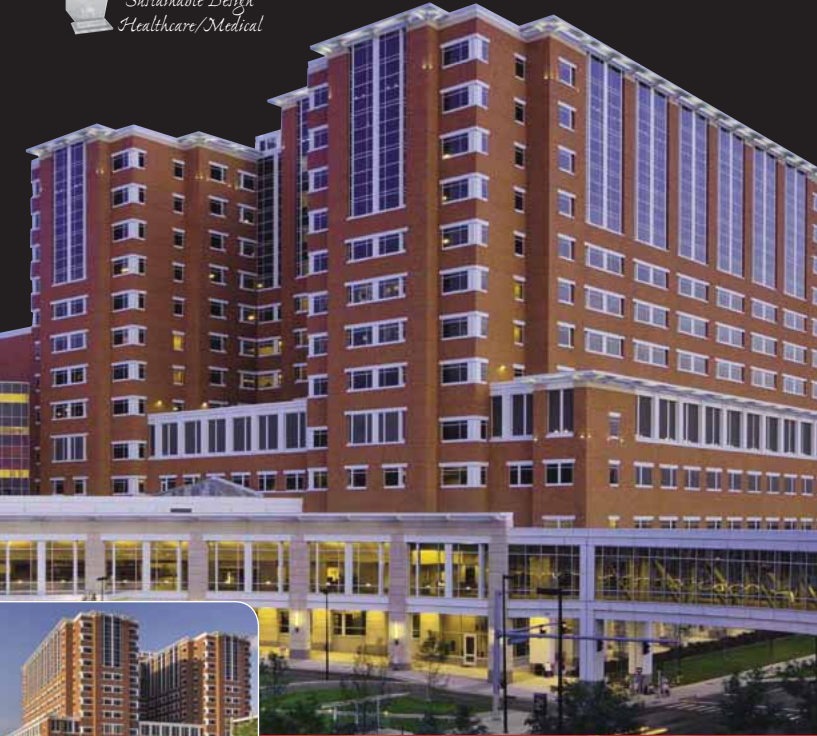
...reputation for superior quality work.





PCI AWARD

Sustainable Design
Healthcare/Medical



POST OCCUPANCY
THERMAL IMAGING

UK HOSPITAL, PAVILION A
Lexington, KY

The 1.2 million square-foot UK Hospital uses insulated precast concrete panels to create a high performance enclosure system providing energy efficiency, an internal vapor and a moisture barrier. The brick insid facade features a blend of fine brick colors and matches the existing campus buildings. Other features include painted backside surface eliminating the need for steel studs and drywall and the window embeds are cast into the panels.

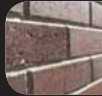
Architect: GBBN and AECOM
Contractor: Turner Construction
Photo: Pease Photography

"Thin-set brick, insulating panels allowed us to achieve the design objective of matching the adjacent campus structure, with a better performing exterior skin, where the quality of construction could be better controlled, and still take a significant amount of time off of the project schedule."

— Tom Gormley Principal
GBBN ARCHITECTS

consider precast

Architectural precast is known for unlimited aesthetic possibilities, long-term durability, thermal performance and the ability to accelerate occupancy. Precast also offers superior quality because all products are made off site in a controlled environment which reduces site disturbance. Other features are precast's ability to withstand natural disasters and resistance to blast. Design professionals are taking advantage of precast and its inherent ability to be used as a load-bearing element eliminating a redundant structural system.



Strength, beauty, and speed...





"The building design was to follow traditional detailing to allude to a more French Beaux-Arts style architecture. At the same time we wanted to utilize a material that was lasting and durable. A standardization of detail, a set of templates as such would be appropriate to the applicable scale and use, were created and incorporated throughout the design, which enabled us to maintain an affordable cost per square foot."

— Durand Seay Senior Architect/Design Manager
RABUN RASCHE RECTOR & REECE



grandeur

Iconic architecture shouldn't be limited by the imagination. Through the use of BIM and 3D modeling, designers and Gate are developing an infinite number of shapes, textures and finishes. We have the ability to create master molds that comprise compound radiuses, complex angles, and multiple levels.

The design flexibility of architectural precast can enhance any exterior facade; therefore, offering designers and owners the premier building enclosure system.

imagination is the limit...



ST. REGIS HOTEL & RESIDENCES Atlanta, GA

This ultra luxurious 26-story, 634,000 square foot mixed-use, high-rise building features an innovative architectural precast facade from pedestrian level to the penthouse. It is located in the heart of Buckhead. The hotel and residences are designed specifically for the discriminating consumer who desires all of the luxuries and services the prestigious St. Regis brand offers.

Architect: Rabun Rasche Rector & Reece Architects

Contractor: Bovis Lend Lease





OLD POINT NATIONAL BANK CORPORATE HEADQUARTERS
Hampton, VA

The new headquarters for Old Point National Bank is located in a town over 400 years old. The highly articulated precast on this structure integrates seamlessly with nearby historical masonry buildings. The benefits of precast versus hand-laid masonry and cast stone elements can first be seen on the marquee entrance. The upper cornice, dental molding, integral lettering, arch-keystone, return legs and soffit were incorporated in a panel.

Architect: Lyall Design

Contractor: Henderson Construction

"An open line of communication between Gate Precast and our team was crucial in detailing the precast panels. This thoughtful design work and planning led to exceptional mold building and concrete placing, all of which illustrate the artistry realized in the production of architectural precast."

— Russell Parrish, Senior Project Architect
LYALL DESIGN

With over 30 years of experience of manufacturing precast concrete systems, the name Gate is synonymous with the highest standards of production and quality control.

All of Gate's plants are **PCI Certified** and undergo thorough, unannounced audits to maintain this trusted and specified certification. Gate's drive for product quality improvement requires that our enclosed manufacturing facilities and processes are constantly monitored by our PCI Certified Quality Control Inspectors.

quality

...surpass expectations.





FIU SCIENCE CLASSROOM COMPLEX
Florida International University – Miami, FL

The six-story 136,000-square-foot lab/classroom complex on FIU's campus features varying precast concrete window openings with pre-glazed wall panel openings, a cost- and time-efficient method of enclosure. A major element of this project was an elevation of precast panels with integral sunshades designed to maximize shading.

Architect: Perkins + Will
Contractor: DPR Construction
Photo: Miami in Focus

"Precast was the only exterior option that offered the design flexibility to yield so many different shade patterns. The windows tilt 5 degrees to achieve self-shading to the glass."

environment

Gate has established itself as the leader in developing Sustainable Precast Systems not only for our clients but our communities. Our LEED Accredited Professionals have an understanding of green building concepts and precast concrete's contribution to sustainable design. Gate will collaborate with the team in the early stage of the project to determine how precast concrete can assist in the environmental requirements.

Gate is a participant in the PCI Sustainable Plants program which looks at the environmental impact of our processes, materials and operations.



sustainable techniques to help protect...





OPERATIONAL READINESS TRAINING COMPLEX (ORTC)
Camp Shelby, MS

The four new four-story total precast barracks feature a High Performance system including insulated load-bearing exterior walls, and double tees. The thermally efficient walls exceed ASHRAE 90.1 and help accelerate the design and construction schedules. The smooth troweled finish on the interior side of the concrete wall panels was left exposed providing a clean, durable interior finish which eliminates the need for additional interior finishes. The precast components offer a number of sustainable design concepts that meet the military's Silver LEED requirements.

Architect: The Johnson-McAdams Firm
Contractor: W.G. Yates & Sons
Photo: John Thomas Photography

"The precast panels allowed us to incorporate progressive collapse into the project without a secondary structural system, and to provide durable, extremely low maintenance exterior and interior finishes."

— Robin Henry, Architect
THE JOHNSON-McADAMS FIRM

options

The range of Gate product applications has the ability to increase the flexibility of both the design and construction process. Gate products are used in virtually every type of structure from single story buildings to transportation and marine structures.

Total precast concrete building systems are becoming a popular choice for many construction projects because architectural and structural precast/prestressed concrete components can be combined to create the entire structure. Total precast systems can make the design process more efficient for the architect and engineer because it meets many of a building owner's goals: fast construction, aesthetic variety, high quality, low maintenance, safety, interior expanse and a single source provider of all the components from architectural wall panels, beams and columns, double tees and Gate-Core hollow core slabs.

...total precast offers total solution.

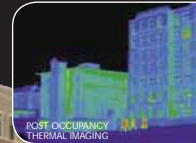


"On a traditional campus like Catholic, we were very concerned that brick covered precast would be obvious and look commercial and artificial. I have to say that our panels are beautiful. They look exactly like hand-set masonry. There are even slight variations in the planes of the individual bricks."

— Beth Buffington, AIA, LEED AP
LITTLE DIVERSIFIED ARCHITECTURAL CONSULTING

design assist

Gate educates design professionals on all aspects of our precast concrete systems, which ensures a more successful project. The collaborative process that Gate is typically involved in is essential in meeting the project and sustainability goals.



...from concept through completion.

OPUS HALL
Catholic University of America, Washington, D. C.

The seven-story residential facility blends state-of-the-art amenities with a "collagiate Gothic" architectural design. The insulated brick inlay architectural precast exterior blends seamlessly into the style of this traditional campus.

Opus Hall showcases a high quality outcome which is a result of a true design build collaboration. A post-construction thermal imaging comparison of Opus Hall and neighboring campus buildings constructed with masonry products validates the energy efficiency of the high performance precast wall system.

Architect: Little Diversified Architectural Consulting

Contractor: Opus East Construction LLC

Photo: Little/John Cole





ACQUILUS II
Jacksonville Beach, FL

This 13-story luxury condominium is Phase II in an ocean front development. The developer chose precast as an alternative to masonry construction used in Phase I to guarantee a fast built schedule and quicker ROI. The total precast structure utilizes hollow core and solid slab floors with load-bearing precast walls and stairs. Total precast was also used on Phase III, an 8-story condominium.

Architect: Cote Renard Architecture
Contractor: Eagle Development
Photographer: AEROPhoto

"In choosing to design the second phase of Acquilus as precast rather than block, speed of erection was a main benefit but the quality and precision of total precast saved us six months of construction time, the walls were smoother for finishing and the vertical shafts lined up perfectly."

— Brian J. Cote, AIA, President
COTE RENARD ARCHITECTURE

more options

Gate-Core hollow core slabs provide substantial economies: rapid erection, immediate work decks, no shoring costs, and minimal forming. Gate-Core hollow core slabs are non-combustible resulting in lower insurance rates, plus improved thermal and acoustic properties. The product is ideal for roofs and floors and is manufactured via a zero-slump extrusion process under rigidly controlled conditions.

Gate produces an extensive array of bridge and marine components including AASHTO Girders, bulb tees, pilings, bridge deck slabs, and double tee bridge beams.

...used in virtually every type of structure.





people

The value of a company is established by its people. The people of Gate strengthen design-build from intangible to real. Regardless of the project's size, scope or complexity Gate's personnel can enhance the entire construction process. Their experience and expertise contribute added value for customers.

Their dedicated team employs the latest technology and systems from engineering and design to delivery and execution. The combination of total technical support and meticulous, hands-on quality control ensures that Gate's work regularly meets and often exceeds expectations.

...reputation for superior quality work.





PCI AWARD

Stadiums



LUCAS OIL STADIUM
Indianapolis, IN

Lucas Oil Stadium, a multi-purpose facility, is best known as the home of the NFL's Indianapolis Colts. The exterior façade of the seven-level facility features an innovative CarbonCast High Performance Insulated Wall Panel System with embedded brick and Indiana limestone finish precast accents. The reddish brown brick embedded in the precast complements the traditional hand-laid brick used on manufacturing buildings in downtown Indianapolis.

Architect: HKS, Inc.

Construction Manager: Hunt Construction Group

"At over 200 feet to the top of the building, it would have proven time-consuming to hand lay masonry and construct a backup system. By contrast, the brick panels could be lifted into place with a crane at a fraction of the time. The insulated composite wall system creates an exterior envelope offering brick, insulation, vapor barrier, paintable back surface, and accelerates schedule."

— David A. Skaggs, AIA
HKS, INC.

performance

Gate offers solutions that can span generations. One of the inherent benefits of precast is its durability. The precast systems Gate produces are enhanced with stone finishes, embedded thin brick and insulation, which are routinely used for 100-year structures.



...creates ultimate value.





INDIANA UNIVERSITY

PCI AWARD
Best Stadium

INDIANA UNIVERSITY STADIUM
Bloomington, IN

IU is known for its collegiate Gothic architectural style, therefore, Ratio was challenged with designing the North End Zone Stadium expansion using a material that emulated the hand-laid limestone used on the original stadium without any aesthetic deviation. The design team used precast panels to create a facade which blends with the original stadium and campus. The panel has continuous insulation creating a rain barrier system.

Architect: Ratio Architects

Contractor: Pepper Construction

"A key challenge was using precast cladding on a campus built with cut limestone. Precast allowed flexibility in color, shape, and scale thus allowing the designer to achieve the aesthetic look matching the existing stadium facade. This was a more cost-effective, schedule-effective, and eco-friendly solution."

value

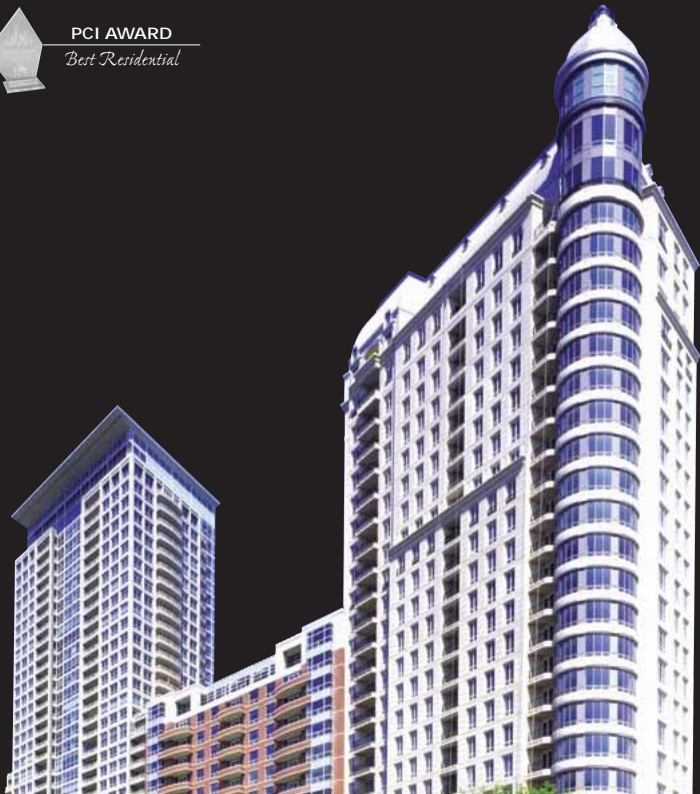
When value is the only issue, it is a smart business practice to consider precast concrete and Gate as the supplier. Value is created by the diversity, flexibility, and quality of the Gate product line, as well as the cost-effectiveness of Gate's contribution to the design-build team. The highest level of value may be seen when you involve the Gate sales staff in the early stages of design. Gate products and services are applicable to myriad jobs in various sizes, sites, and complexities.

...is created by diversity, and quality.





PCI AWARD
Best Residential



consider precast...

Visit our website. Contact our personnel to inquire about a tour of one of our state-of-the-art facilities or ask for our project list. We are confident you will be impressed with how our work can enhance your next project.

consider Gate.

...you'll be impressed.

THE RESIDENCES OF LAKE SHORE PARK
 840 NORTH LAKE SHORE DRIVE, BELVEDERE, & PEARSON
 Chicago, IL

840 North Lake Shore Drive sits prominently on this legendary street in Chicago. This 26-story condominium features a rich architectural precast cladding with emphasis on a stone-like appearance. The Belvedere, a 16-story condominium, uses thin-brick inlaid into precast to create a traditional masonry look. The Pearson, a 35-story condominium, features limestone finish architectural precast on the base of the building with simple lines and monumental scale.

Architect: Lucien Lagrange Architects and DeStafano & Partners

Contractor: McHugh Construction

Photo: Apple Group





PCI AWARD
Best Public Building



PEROT MUSEUM OF NATURE & SCIENCE
Dallas, TX

The 180,000-square-foot Perot Museum was designed to resemble a sedimentary geological formation. The precast concrete facade reflects the designer's intent of geology and stratification of the earth's surface, through the creation of undulating forms, which are rigorously systematic with both convex and concave horizontal striations. Gate worked as a design-assist partner on this iconic structure.

Architect: Morphosis Architects and Good Fulton & Farrell Architects

Contractor: Balfour Beatty



our parent company

Gate Petroleum Company headquartered in Jacksonville, FL, was founded by Herbert Hill Peyton in 1960. Gate now owns and operates over 100 state-of-the-art convenience stores in six Southeastern states.

In 1980, Gate Petroleum gave rise to Gate Construction Materials Group when it began to acquire non-petroleum businesses. Gate Precast is now a leader in the precast/prestressed industry.

In addition, Gate owns and operates four private clubs – The Ponte Vedra Inn & Club, The Lodge & Club, Epping Forest Yacht Club, and the River Club.

The Real Estate & Development division holds several thousand acres throughout the Southeast which includes offices and retail properties.

Gate Petroleum Company has earned the reputation as a good corporate citizen. Gate sponsors numerous civic activities and charitable events in the Jacksonville area and is well known for its sponsorship of Gate River Run, which is the largest 15K National championship race in the United States.

The Gate Foundation, a 501 (c)(3) philanthropic foundation, supports efforts and services that nurture and protect the well-being of family and community.

For more information about Gate Petroleum Company, visit www.gatepetro.com



- Sales Office
- ☆ Architectural Plants
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