Residential Excellence

Baron Residence Staff Quarters
Dallas, Texas

Producer Member:
Dallas Cast Stone Co.

Architect: Robert A. M. Stern Architects
Mason: Dee Brown Inc.

Excellence Award Winners
What is the scope of the project?

This project was an addition to the Baron Estates. The Staff Quarters were designed to mimic the original house on the property which was built in the 1990’s.

Excellence Award Winners
What is the role of Cast Stone?
The Staff Quarters consist of large base pieces, load bearing Corinthian columns, entablature, window and dormer surrounds, belt, cornice, and chimney caps.
How was cast stone critical to the success of this project?

The Cast Stone was manufactured on the original house in the 1990’s. Ten years later the same mix design was used for the Staff Quarters. Some noteworthy challenges of the project were the second story fluted band, solid columns with Corinthian caps, and pediment stone. The use of cast stone was critical to the project in that it married well with the existing structure.
Residential Excellence

Private Residence #2
Pennsylvania

Producer Member:
Sun Precast Company, Inc.

Architect/Mason: D’ Alessio Inspired Architectural Designs

Excellence Award Winners
Commercial Excellence

The Taft School
Watertown, Connecticut

Producer Member:
Sun Precast Company, Inc.

Architect: GUND Partnership
Mason: Civitillo Masonry, Inc.

Excellence Award Winners
What is the scope of the project?

This project is a 13,000 square foot dining hall addition to an early 1900’s building at The Taft School in Watertown CT. The collegiate-gothic style Cast Stone scope included base panels, ornate window and door surrounds, caps, bands, coping, and chimney caps. Scope also included interior arches designed to match the Cast Stone in the original portion of the building.
What is the role of Cast Stone?

The Cast Stone was to match the existing architecture prevalent across the entire campus of the school. The interior Cast Stone required a second mix design which was used to match the “old-world” styling of the existing interior elements.

Excellence Award Winners
How was Cast Stone critical to the success of the project?

Cast Stone was critical to the success of the project in that it provided the architect with unlimited design creativity, but still allowed for maintaining architectural continuity with respect to the other buildings throughout the campus.

Excellence Award Winners
Commercial Excellence

TCU Brown Lupton Student Union Center
Fort Worth, Texas

Producer Member:
Dallas Cast Stone Co.

Architect: Hahanfeld Hoffer Stanford Architects
Mason: Dee Brown, Inc.

Excellence Award Winners
What is the scope of the project?

This project is the marquee building on the campus. Cast Stone was used extensively to enhance the buildings appearance while maintaining the original architecture style. The original buildings on the campus were designed by Americans that were schooled in the French École des Beaux-Arts. This influence mixed with the Spanish and Federal styles of architecture creates a Texas Beaux-Arts style. The building embodies this style. The majority of the original buildings on the campus are of brick and natural limestone but this building was able to accomplish the Texas Beaux-Arts style with brick and Cast Stone.
What is the role of Cast Stone?

Cast Stone was used functionally as base, water table, bands, veneer, full window treatments, entries, steps, balconies, balustrade, columns, coping, arches, medallions, signs and hardscape. The project is a beautiful marriage of brick and stone. The most unique detailing to the project is a 200 foot corridor that is skewed but has a parallel view. The corridor is lined with arches, base, and water table requiring special skew for each piece.

Excellence Award Winners
How was Cast Stone critical to the success of the project?

The color and texture of the stone is a match with the existing buildings on campus. The project had many challenges. Probably the most difficult was the 200 foot skewed corridor with a parallel view. Every Cast Stone piece had to fit a 7 degree skew the length of the corridor. This included base, water table and arches. Due to the skew of the wall, each arch piece became a special piece requiring a separate mold for each. One other noteworthy challenge was the stone clad main entrances on either side of the grand archway.

Excellence Award Winners
Restoration Excellence

Camden Middle School
Camden, New York

Producer Member:
Sun Precast Company, Inc.

Architect: King + King Architects
Mason: National Building and Restoration Corp.

Excellence Award Winners
This restoration project is a middle school in Camden NY, which was erected in 1930. The scope includes the replacement of the existing ornate Cast Stone entry surround, watertable, tower caps and quoins.

Excellence Award Winners
What is the role of Cast Stone?
The role of Cast Stone was to replicate the original Cast Stone elements, while matching the remaining cast stone that was not being replaced.

Excellence Award Winners
How was Cast Stone critical to the success of the project?

The replacement Cast Stone is a perfect replication of the original structure. Cast Stone allowed for the restoration of the fine architectural details through the molding process, and Cast Stone also served to maintain historical integrity of the building.

Excellence Award Winners
Restoration Excellence

Warner Theatre
Erie, Pennsylvania

Producer Member:
Sun Precast Company, Inc.

Architect: Hannon Engineering PC
Mason: Fiske & Sons, Inc.

Excellence Award Winners
Entry Two: Warner Theatre

Restoration Excellence

What is the scope of the project?
This project is a restoration of the Warner Theatre, which is listed on the U.S. National Register of Historic Places. The Cast Stone scope includes replacement of the upper bands, decorative panels, and coping, which collapsed to the street when the parapet gave way during a heavy snowstorm.

Excellence Award Winners
What is the role of Cast Stone?

The role of Cast Stone was to replicate the original architecture and mix design, as the replacement cast stone was adjacent to the remaining original elements.

Excellence Award Winners
How was Cast Stone critical to the success of the project?

The replacement Cast Stone is an identical replication of the original architecture, and to improve long-term aesthetics, the worn details of the original elements were enhanced during the molding process, which served to properly highlight the Art-Deco details of this historic building.

Excellence Award Winners
Hardscape Excellence

Lovett School Roof Hardscape
Atlanta, Georgia

Producer Member:
Bassco Caststone

Architect: HGOR Landscape Architects
Mason: Valleycrest Landscaping

Excellence Award Winners
What is the scope of the project?

The Scope of this project was to incorporate a “Green Roof” with a City School Project. This project uses what normally is unused space and turns it into Green School Garden Space.

Excellence Award Winners
What is the role of Cast Stone?
The role of Cast Stone was to implement a kind of “Visible Water Shed” that students could view and enjoy with the surrounding garden. The water originates from the rain runoff of the roof.

Excellence Award Winners
How was Cast Stone critical to the success of the project?

Cast Stone allowed the designer to create an eye-catching focal point while incorporating radius Cast Stone material with the water shed in the Roof Garden. The intent was to create a fall channel for the water to follow while not actually being able to see the fall from the outer profile. Water starts from the runoff of a rain storm and follows its way from the roof down to 3 runoff pools, down the Cast Stone Runnel and into an Exit Pool. The Molds where very complex to create as the inner fall of the runnel had to drop enough to meet perfectly with the next piece. Each piece has a different set of dimensions. If you were to look at the negative of the profile, you can see that it was formed to create a channel. To add efficiency to our mold making, we incorporated an interchangeable block in between the top and bottom of the channel which allowed us to change the fall of the inside of the runnel without having to remake each channel negative.
Hardscape Excellence

Rochester Peace Plaza
Rochester, Minnesota

Producer Member:
American Artstone Co., Inc.

Mason: Pember Companies, Inc.

Excellence Award Winners
What is the scope of the project?

The city of Rochester blocked off a city street in a desire to create a peaceful plaza in a bustling downtown area where visitors, employees and patients alike can enjoy a serene environment near the Mayo Clinic.
Entry Eight: Rochester Peace Plaza

Hardscape Excellence

Cast Stone was used to create strength and durability with its light poles and planters, but at the same time create softness and tranquility with the fountain. The fountain’s radiused, gently sloping pieces come together with such precision to create an even flow of water all around the fountain.

What is the role of Cast Stone?

Excellence Award Winners
Patients and visitors to the Rochester area know they are near the Mayo Campus when they encounter a beautiful sign. That same warm texture and feel is consistently carried through to the new “Peace Plaza.”

How was Cast Stone critical to the success of the project?

Excellence Award Winners
Architect’s Choice
St. Anthony Regional Hospital
Carroll, Iowa

Producer Member:
American Artstone Co., Inc.

Mason: Seedorff Masonry, Inc.

Excellence Award Winners
What is the scope of the project?

The St. Anthony Regional Hospital Surgery Center & Ramp was a new building to the existing Hospital Campus. It replaces St. Anthony’s 35-year-old surgery facilities and existing technology to accommodate for growth. A 30-foot tall relief of St. Anthony graces the side of the building, sitting high on a hilltop overlooking the city.

Excellence Award Winners
What is the role of Cast Stone?

The Hospital desired a unique comprehensive natural stone look that would not easily be forgotten by visitors to the area. Cast Stone allowed an oversized signature relief along with medallions and smooth and rough finishes of a consistent color.

Excellence Award Winners
Cast Stone provided the opportunity to clad the entire building by combining smooth veneer panels, split face and a unique artistic adornment with blended natural colors simulating the look and texture of many natural stone projects.

How was Cast Stone critical to the success of the project?

Excellence Award Winners
Manufacturing Excellence

Holy Trinity Catholic Church
Gainseville, Virginia

Producer Member:
Sun Precast Company, Inc.

Architect: O’Brien and Keane Architects
Mason: March-Westin Company, Inc.

Manufacturing Excellence Award Winners
Entry Two: Holy Trinity Catholic Church

Manufacturing Excellence

What is the scope of the project?
The new construction Holy Trinity Church contained a large amount of Cast Stone, which included a complex one-piece “Trinity Ring” window surround, door surrounds, coping, medallions, and an 8-foot high cross.
To accommodate the multi-paned custom stained glass panels, a one-piece Cast Stone window surround was designed. The complex mold was fabricated in sections, then pieced together to create the large mold.

What special molding or casting techniques were necessary to illustrate the Architect’s concept on the project?
Degree of Difficulty
The molding process was extremely complex, as the radii of the Cast Stone unit had to accept the stained glass panels perfectly. As the surround was 13’8” across and 24” thick, the molding tolerances were exceptionally critical.
Entry Two: Holy Trinity Catholic Church

Manufacturing Excellence

Were there unique project requirements that presented particular challenges and how were they met?
The intricate Cast Stone surround was originally designed as multiple pieces around each stained glass panel, however that facilitated connections. A one-piece Cast Stone unit was designed, which overcame the issue.

Manufacturing Excellence Award Winners
Manufacturing Excellence

Baron Residence Staff Quarters
Dallas, Texas

Producer Member:
Dallas Cast Stone Co.

Architect: Robert A.M. Stern Architects
Mason: Dee Brown, Inc.

Manufacturing Excellence Award Winners
Entry Six: Baron Residence Staff Quarters

What is the scope of the project?
This project was an addition to the Baron Estate.

Manufacturing Excellence Award Winners
What special molding or casting techniques were necessary to illustrate the Architect’s concept on the project?

The architect had a very particular column capital in mind for the Baron Residence Staff Quarters. The submittal/approval process of the ornate detail on the capital was very time consuming. The capital’s acanthus leaves were hand made with molding clays. The final production mold was a combination of rubber and plaster. The column shaft pieces were individually molded due to entasis.
Entry Six: Baron Residence Staff Quarters

Degree of Difficulty

Difficulty was high on this particular project. The three most difficult tasks from a production stand point were the solid columns, the column capitals and the load bearing entablature.

Manufacturing Excellence Award Winners
Entry Six: Baron Residence Staff Quarters

Were there unique project requirements that presented particular challenges and how were they met?

The column capitals were the most difficult part of the project. We had to work with the architect extensively in order to create his vision. The task of manufacturing the finished product took great skill and craftsmanship.

Manufacturing Excellence Award Winners
Congratulations

To All of Our Winners!

Excellence Award Winners