

2008

Design & Manufacturing Excellence Awards

Winners

Design Excellence Award Winners



Design Excellence Residential

Private Residence

New Jersey

Corinthian Cast Stone

Cathy Zuckerman/CDZ Architects

Design Excellence Award Winners





What is the scope of the project?

This residential project combined restoration and new construction. The home was originally clad in natural stone not indigenous to this climate. When the veneer failed due to freeze/thaw, the Architect and Owner decided to use cast stone as the replacement material. The Ocean Terrace and both Bar and Bath Cabanas are new construction and are completely clad in cast stone, too.

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What is the role of Cast Stone?

The project contains many classic architectural elements including Fluted Doric Columns with the correct entasis, architraves, entablatures, pediments, veneer panels, balustrades and sweeping stairs with compound curve railings. All of the trim is 2 shades darker than the veneer, adding a subtle pop to the monochromatic color pallet.



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

The project has so much detail and is so overwhelming to look at the final the project...check out the hand laid mosaics and the color mosaics and the life they add to the cast stone



Design Excellence Award Winners

Design Excellence Residential

French Chateau Residence
Houston, Texas
AHI Supply
Scott Frasier Homes

Design Excellence Award Winners





What is the scope of the project?

New residence was designed to achieve the style of a French chateau, which included heavy stone ornamentation, columns and elliptical arches, and a corbelled chamber.

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What is the role of Cast Stone?

Cast Stone was used to implement ornamentation that otherwise would not be possible or affordable with another product and still achieve the richness of the design the architect was after.

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

The architect used heavy stone ornamentation to achieve the feeling of a French chateau. The columns and elliptic arches on the rear veranda fit well into atmosphere of brick and slate at the structure and the pavers throughout the garden and pool area.

Design Excellence Award Winners



Design Excellence Commercial

Brooks Village

Baylor University - Waco, Texas

Fritchman & Associates

HEWV and Company

Design Excellence Award Winners





What is the scope of the project?

Brook's Village is a new residential hall for students of Baylor University located in Waco, TX. The architectural design of the new structure compliments existing campus structures that are decades old.

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What is the role of Cast Stone?

Cast stone was incorporated into the design to accentuate the key features of the structure including the Coat of Arms, gothic arches, sills, and cross. The cast stone features stand out and demonstrate the versatility of the product.

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

The Coat of Arms is a common element of a residential college and is a prominent cast stone feature of the Brook's tower. An advisory board consisting of Baylor University students contributed to the final design to record the history of Samuel Palmer Brook's life and preserve the legacy of the former University President. The student's advisory board considered the cross to be an important symbol of Brook's life and featured it on the chapel.

Design Excellence Award Winners



Design Excellence Commercial

Joule Hotel
Dallas, Texas
Advanced Cast Stone
Architexas, Inc.

Design Excellence Award Winners





What is the scope of the project?

This was a restoration and conversion of a bank and office tower built in 1927 to a five-star hotel.

Design Excellence Award Winners





What is the role of Cast Stone?

The project was originally constructed of brick and limestone in a gothic style. In the 1950's the building was renovated and most of the carved limestone was replaced with plaster. In this project the plaster was removed and cast stone was installed.

Design Excellence Award Winners





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

Cast stone elements and design were used extensively on this building. A significant point of interest and added complexity in the restoration was integrating new cast stone with the existing structure. The cast stone color and texture were specifically designed to appear as if it had always been an architectural element.



Design Excellence Award Winners



Design Excellence Hardscape

Waterway Square
The Woodlands, Texas
Siteworks

David Clough/Sasaki Interdisciplinary

Design Excellence Award Winners



What is the scope of the project?

Waterway Square is at the heart of an emerging urban core of mixed-use development at The Woodlands, a 28,000 acre master-planned community north of Houston, Texas. The distinctive one-acre plaza functions as a major public space and landmark in The Woodlands Town Center. New residential, hotel, office, and retail/restaurant development adjacent to Waterway Square continues to add to the area's vitality and reinforces its identity as an icon in The Woodlands Town Center.



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What is the role of Cast Stone?

Cast stone is the dominant architectural material used on this project. With the exception of the rough limestone at the waterwall, a small amount of ceramic tile, and some concrete paving, all of the visible surfaces are cast stone.

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

The central and most technically demanding feature of the park is the cast stone nautilus fountain. The bottom of the elliptical-shape fountain is a significantly smaller ellipse than the top, and the walls slope outward as they get higher. Each piece of stone on this fountain is defined by an infinite number of radii, with the smallest at the bottom and the largest at the top. Each piece fits smoothly with the pieces above and below, which are different radii, and with the pieces to either side, which may also be of different radii. Overall, the cast stone wall of the fountain is 15 feet high and comprises eleven layers of cladding capped by thirty-three large slotted cast stone weirs, each weighing 1,200 pounds.



Design Excellence Award Winners



Design Excellence Hardscape

Ritz Carlton

Dallas, Texas

Dallas Cast Stone

Robert A.M. Stern Design

Design Excellence Award Winners





**What is the scope
of the project?**

It is a new 5 star hotel for
6 floors and continues for 23
more stories as luxury
condominium residences



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What is the role of Cast Stone?

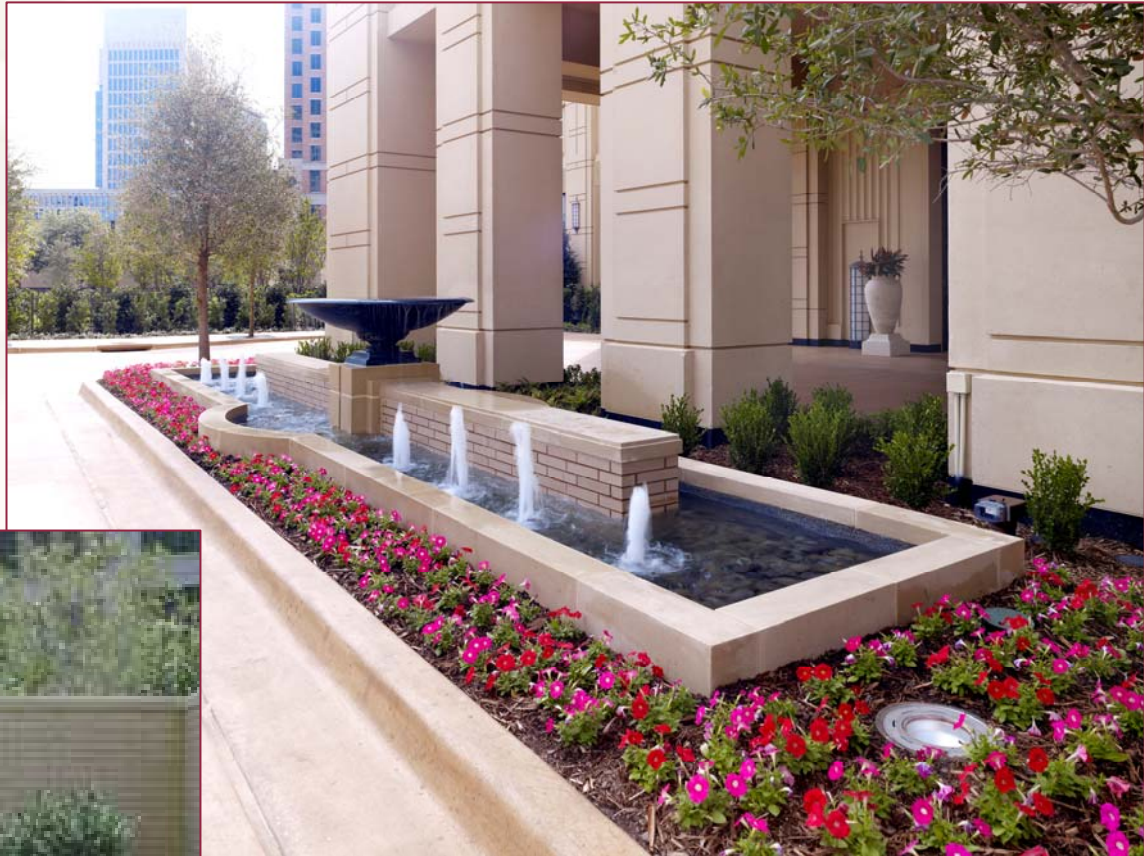
Our role includes landscape, park, pool and grotto amenities that seek to complement this phenomenal Stern design that so easily sets his inspiration apart from all others. The extensive use of cast stone on this Stern design included: handrail coping, 600 lineal feet; pilaster coping, 500 lineal feet; spandrels, 2,000 square feet; landscape coping, 1,800 lineal feet; poolside coping, approximately 200 lineal feet.

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

The cast stone look is a fitting choice for this elegant life style newly rooting in the heart of downtown Dallas.



Design Excellence Award Winners



Manufacturing Excellence

Eastover

Charlotte, North Carolina

Cast Stone Systems

Schrader Design

Manufacturing Excellence Award Entries





What is the scope of the project?

The scope of the job was newly constructed condominium project that required both wet cast as well as vibrant dry tamp elements.

Manufacturing Excellence Award Entries





What special molding or casting techniques were necessary to illustrate the Architect's concept on the project?

The job has architectural detail in every element that required accuracy and attention to detail

Manufacturing Excellence Award Entries





Degree of Difficulty

The project presented challenges that ranged from the radius decorative balustrade type wall to the large unusual lower window element. The balustrade units required a radius unit with an elliptical recess center, with finished face on front and rear of each panel.

Manufacturing Excellence Award Entries





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

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Manufacturing Excellence Award Entries



Manufacturing Excellence

Joule Hotel

Dallas, Texas

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This was a restoration and conversion of a bank and office tower built in 1927 to a five-star hotel.

Manufacturing Excellence Award Entries





What special molding or casting techniques were necessary to illustrate the Architect's concept on the project?

The functional and special techniques arose out of the desire of the architect and owner to replicate designs from the original construction without original plans or other architectural renderings. This requirement of the project necessitated artisan mold makers to physically make drawings from architectural elements that existed on the building. From the few physical pieces of stone that were removed from the structure, rubber molds were made in order to obtain the definition needed for the gothic style pieces the architect desired.

Manufacturing Excellence Award Entries





Degree of Difficulty

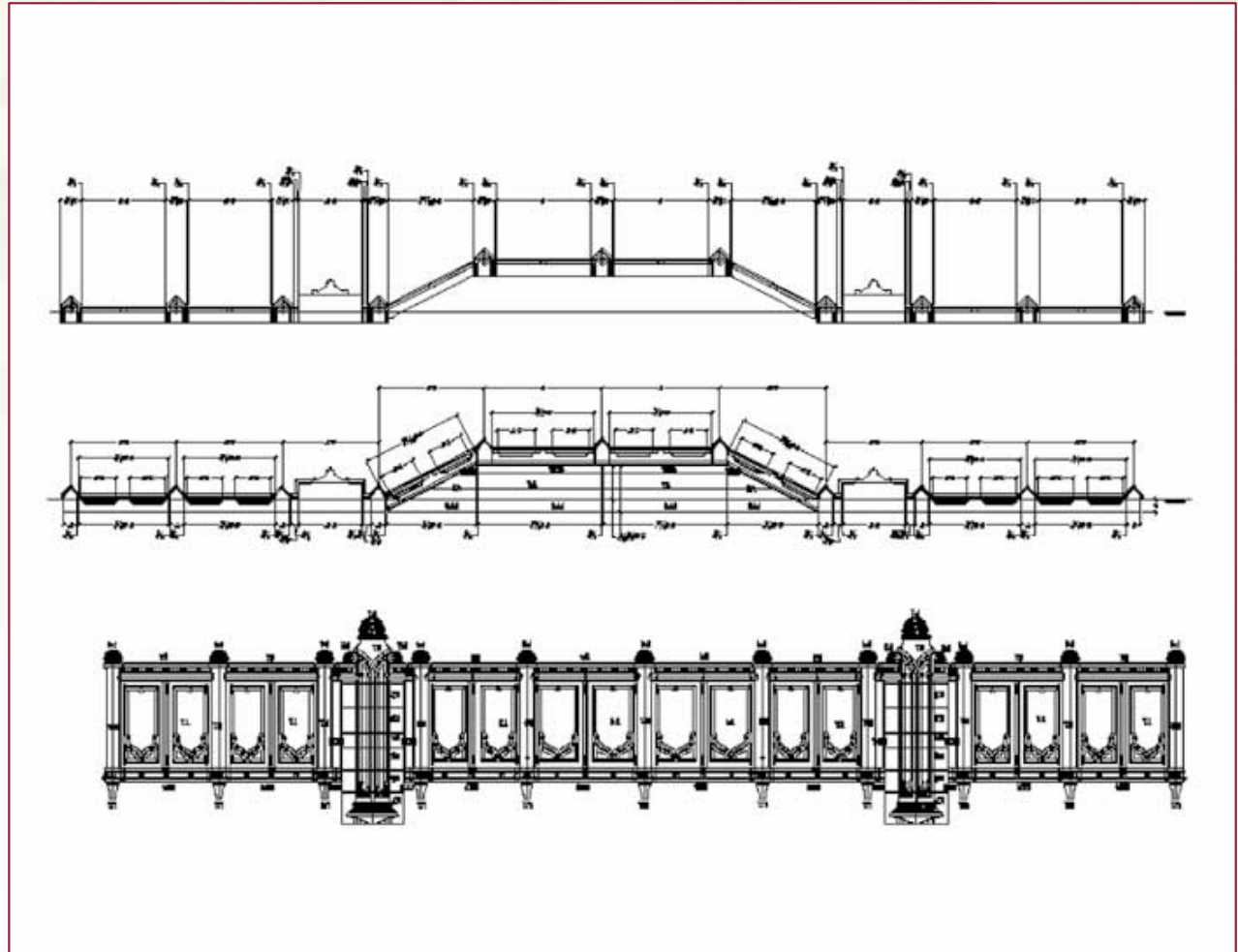
The project was the most difficult project undertaken in the last year, therefore it was extremely difficult. Actual production was extremely difficult, since the parts were often detailed and hard to form.

Manufacturing Excellence Award Entries



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

The innovativeness of using cast stone arose from the requirements of the project to replicate designs from 50 years ago without original construction and architectural documents. This necessitated artisan mold makers to physically make drawings from architectural elements that existed only on the building.



From mold makers templates and sketches rubber molds were made in order to obtain the definition needed for the gothic style pieces. The mayor of Dallas commended the architect, owner, and restoration companies for returning the structure to its original beauty and as one of the promising examples of what redevelopment can do to revitalize a downtown area.

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