



BRICK ZARCHITECTURE

From the Brick Industry Association

The 2020 Brick in Architecture **AWARD WINNERS**

**COMMERCIAL | EDUCATIONAL (HIGHER EDUCATION / K-12) | HISTORIC RENOVATION | INTERNATIONAL
PAVING & LANDSCAPING | MULTI-FAMILY RESIDENTIAL | SINGLE-FAMILY RESIDENTIAL**

Since 1989, the Brick in Architecture Awards have been one of the most prestigious national architectural award programs featuring clay brick. Architecture firms from around North America enter their best projects to be judged by a jury of their peers.

This year, a diverse panel of architects independently reviewed and scored each of the entries. Based on the technical and creative use of brick in meeting the aesthetic and functional design challenges, the Brick Industry Association is pleased to showcase the following projects, which were chosen as the Best in Class in their respective categories.

United States Land Port of Entry

Columbus, New Mexico



The United States Land Port of Entry in Columbus, New Mexico—a 24-hour border crossing—inhabits 16.79 acres of Chihuahuan desert grassland. Remote and peaceful, the eye can see to the horizon in every direction with scant evidence of civilization. Grasslands create ribbons of yellow, gold, ochre, sage, and grey. In this desert landscape, the new port of entry welcomes visitors to America with an architecture that expresses our country's better virtues: architecture that respects all people, embraces culture, conserves resources, protects habitats, and conveys a love of the land.

The design team chose to integrate sustainability—and a sense of place—everywhere in the project. The clerestoried roof monitors topped with photovoltaics echo distant mountains. Colored brick strata and weathered steel extend the patterns of earth and grasses that reach the horizon. Terraced native landscaping tells visitors the story of the scarcity and the power of water in the desert.

Brick masonry is at the core of the design. A heavy-use facility, brick guarantees



durability and resilience. Its mass helps moderate the diurnal thermal shifts of the desert just as earthen structures have for millennia. The unbroken horizontality and desert colors of the random striated coursing create a remarkable restatement of the expansive landscape horizon. The LEED Platinum certification has earned a 2020 AIA COTE Top Ten Award (from AIA Committee on the Environment), a national recognition as one of America's best designs for sustainability.

For all its beauty and recognition, the most important contribution this project seeks to make is to teach by example to the 800+ school children that traverse the site twice a day who a building and its environs can humbly but creatively respect, celebrate, and harmonize with a beautiful, diverse, and powerful (yet fragile) natural place. ■



Architect:

Richter Architects

Brick Manufacturer:

Summit Brick Company

Mason Contractor:

Beaty Masonry Company, LLC

Photographers:

Robert Reck;

David Richter, FAIA;

Elizabeth Chu Richter, FAIA

Credits appear as submitted in entry form

University of Kansas Medical Center Health Education Building

Kansas City, Kansas

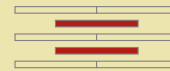
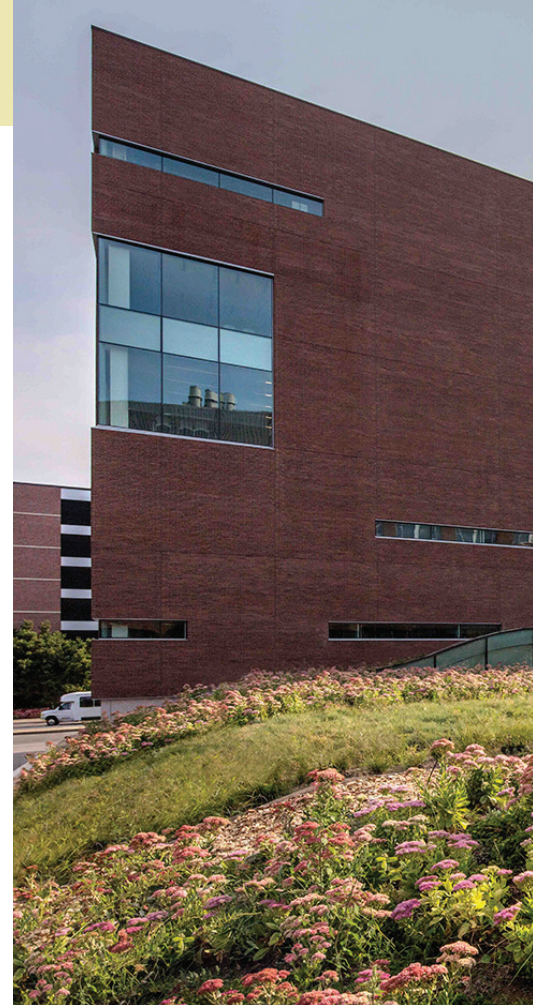
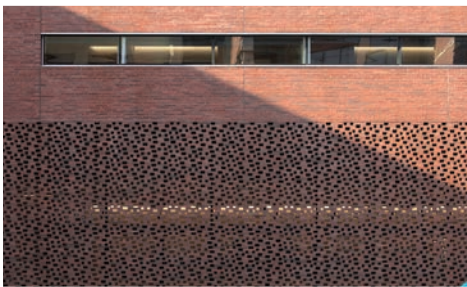
Sometimes, architects face multiple design objectives in one project. The University of Kansas asked their design team to build a new dramatic front door to the campus, one that opened up to a new public square, connecting all the departments in the health sciences from schools of medicine, nursing, and health professions. And they wanted their new signature building to not just stand out, but to also fit in with the existing campus buildings.

The new Health Education Building sits prominently at the entrance to the medical campus on the corner of two busy roads. It is surrounded by existing clinical, research, and education buildings. These neighboring structures all boast predominately brick structures with punched openings, although the brick varies in color, texture, and construction. Surrounded by these

variations, the design team worked carefully on several on-site mock-ups to derive a blend of colors that balanced the varied tonality of brick on campus.

In addition, the designers created an intricate brick screen to bring natural light into a street-facing classroom, while filtering out the visual and acoustic distractions of the bustling avenue. They locally sourced long, thin Roman brick for the screen, which also allows air intake for the building's mechanical system embedded within the volume. The volume of the cube is materially expressed as the brick façade carries into the elevator lobby interior, where the brick and glass volumes intersect.

This facility is all about connections, both literally and figuratively. The brick building provides a much-needed thoroughfare connecting parking facilities to the west with the heart of the campus. The building itself becomes the street, encouraging people to meet in, and move through, a vibrant civic community. It truly forms a new public square, an iconic presence that boldly stands out, yet seamlessly fits in. ■



Architect:

CO Architects

Brick Manufacturer:

Sioux City Brick
(subsidiary of Glen-Gery)

Mason Contractor:

Five Star Masonry

Photographer:

Bill Timmerman

Credits appear as submitted in entry form



Taft Freshman Academy

Chicago, Illinois

The students at the new Taft Freshman Academy come to class with big ambitions. The design budget, however, from the Chicago Public Schools for their new 150,000-square-foot building? Not so ambitious. Faced with strict budgetary constraints, the project demanded a design using large, simple volumes. In the hands of less inspired architects, the final result could have been a boxy monotony. Taft Freshman Academy's design team, however, created something truly special for the school's 1,350 students. And to do so, the architects turned to brick, utilizing its incredible design possibilities.

To organize the school's 22 classrooms, science labs, computer labs, music suites, gymnasium, and fitness-related rooms, the school has been programmatically conceived with two distinct wings in mind. The two wings converge at ground level onto a double-story glass space that acts as a link and main entry to the school. To bridge these three central areas, the design



team exploited the color, texture, and shape of the brick. For color, the team chose two slightly different colors of brick to highlight the band of windows on the upper and lower levels, achieving the desired horizontal continuity. For texture, they designed a projecting brick banding along the windows, the raised brick casting shadows on the brick below. For shape, the design called for a curved brick to unify the building's three main sections. They employed two different brick shapes to resolve the concave corners that connect the volumes at the north- and south-oriented façades.

Brick's near limitless design potential became the design team's strategy for enriching the visual appearance of the entire school's

exterior walls—a massive masonry space that could have otherwise been perceived as uninteresting—into a rich, layered, and elegant exterior expression. ■



Architect:

STL Architects

Brick Manufacturer:

Interstate Brick

Mason Contractor:

ALL Masonry Construction

Photographer:

Ignacio Espigares

Credits appear as submitted in entry form

University of Notre Dame's Main Building

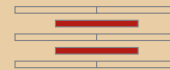
Notre Dame, Indiana

You can see it from all approaching roads—from Chicago to Indianapolis, and Detroit—the famed Golden Dome of the University of Notre Dame. Gilded, mythic, and topped by the 19-foot-tall, 4,000-pound statue of Mary, it resides in the heart of every alumnus. So, when Notre Dame's most storied landmark, known as the Main Building, showed noticeable wear and damage, a team of historic renovators began to restore the famous landmark to its original state.

The Main Building was built entirely of brick, limestone, and mortar in 1879. Its iconic yellow brick was handmade from sand and marl out of the lakes on campus. One hundred forty-one years later, the building was ready for repairs and renovations. While brick is a maintenance-free product, over time, even brick buildings need to be refreshed. The team completed typical masonry repairs, replacing damaged brick along with tuck-pointing mortar. The limestone bands fared worse with time, needing extensive restoration. Also, over 100 years of atmospheric dirt

had accumulated on the walls. So much dirt had embedded into the surfaces that some of the iconic yellow brick had turned almost black. In the worst-affected areas, a proper cleaning could not remove it without damaging the brick. Also, the limestone had been poorly patched over the years, creating significant color variations in the accent band. The team applied a proven masonry stain to restore much of the original color to the brick, mortar, and limestone bands.

The Golden Dome is a true example of why one should build with brick. Its character, beauty, and strength make it the most durable building material ever. Today, the Golden Dome still looks like it did all those years ago and will continue to gleam in the sun for years and years to come. ■



Architect:

University of Notre Dame

Brick Manufacturer:

The Belden Brick Company

Brick Distributor:

Rose Brick Company

Brick Staining Specialist:

Masonry Cosmetics, Inc.

Mason Contractor:

Ziolkowski Construction

Photographer:

Don Foster

Credits appear as submitted in entry form



Midland Campus, Curtin University

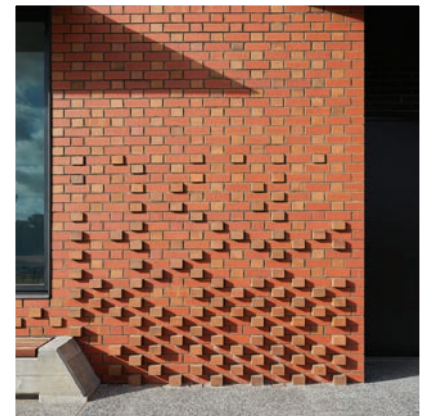
Perth, Western Australia, Australia

What makes brick such a fascination for architects—both past and present? The answer lies in its near limitless design. And sometimes it takes a far-flung university in remote Western Australia to remind us of this truth. This year's International Best in Class winner—Curtin University's new Midland Campus—takes cues from the rich Indigenous culture and the industrial context of the Midland area in Western Australia. But one could also say it takes its cues from centuries of architects innovating with a simple red brick.

The three-story, health-focused building contains a mix of learning and teaching spaces, including immersive simulation-based environments. Here, knowledge, like light, spills through, passing gaps in the brick brise-soleil, casting shadows on corbeling, and washing through the massive openings of the façades. Student activity is exposed to the surrounding context through a feature stair and external seating/planter space, and upper-level balconies that project toward key vistas. These "urban rooms" create external

collaborative study areas, connecting to the activity within.

The façade's brick brise-soleil veil extends over the balconies and main entry zone to the northwest, with the hit-and-miss brick allowing for light and air to filter through the external student spaces and provide shading from direct sunlight. The brick envelope is rich in detail, reflecting the craftsmanship of the adjacent Midland Railway Workshops—with corbeling, brick brise-soleil, textured surfaces, and an expressed gradient of brick colors. Taken together, these design elements exemplify a civic-scale building in a contemporary form. The building provides an inspiring place for students to learn. And for architects, it's a building to study and learn from as well. ■



Architects:

Silver Thomas Hanley Architecture;
Lyons Architecture

Brick Manufacturer:

Austral Bricks

Mason Contractor:

PWD Construction

Photographer:

Douglas Mark Black

Credits appear as submitted in entry form

First Responders Park

Westerville, Ohio

On February 10, 2018, the city of Westerville, Ohio lost two of its finest, police officers Anthony Morelli and Eric Joering, who were responding to a 911 call. Devastated, the close-knit community called for a memorial to honor the men. Meeting with all four branches of first responders, the city envisioned an expansion to existing First Responders Park, whose centerpiece included C-40, a piece of steel bestowed from the World Trade Center.



memorial. The subtle texture and carbon-black color of the clay brick pavers helps to ground the entire site while highlighting the darker rust of the C-40 steel. The brick's natural color helps pull warmer hues from the granite and ledgerstone so that the overall park has a warmth and texture that embraces visitors. Paired with the natural planting design, this careful selection of materials and colors throughout the park creates a serene experience for all who visit.

The new design places the C-40 steel at the center of the park, maintaining its existing location at the highest elevation on site. Ascending the generous brick walk leading to C-40, visitors pass four granite markers celebrating each branch of first responders. Framing the steel, a new 40-foot-long stone waterwall honors those who have made the ultimate sacrifice.

At once formal and natural, Westerville has honored its fallen officers, giving its residents a space to gather, be that for individual reflection or to accommodate larger events, especially their annual 9/11 memorial celebration. ■

The thoughtful use of texture and color by the design team was critical in unifying the various materials of each monument and



Architect:

POD Design

Brick Manufacturer:

The Belden Brick Company

Brick Distributor:

Hamilton Parker Company

Mason Contractor:

Two Brothers Brick Paving

Photographers:

Todd Kaminski, Kaminski Studio;
Infinite Impact

Credits appear as submitted in entry form



1720 Fairmount Avenue

Philadelphia, Pennsylvania

They call it the City of Love, but Philadelphia could just as well have been named the City of Brick. From its founding atop a rich bed of red brick-bearing clay, the city has long turned to masonry to build everything from its humble row homes to its most treasured buildings. It's also a city of architects. And brick has been the muse of such famous names as Frank Furness, Louis Kahn, and Robert Venturi. Together, they and many more have strived to keep the long tradition of brick construction alive and contemporary in Philadelphia.

The new residential building at 1720 Fairmount Avenue is no exception. Inspired by traditional loft buildings in the Fairmount neighborhood, the designers employed extensive use of corbeling across the brick

façade to achieve depth and to emulate the nearby elements of the existing neighborhood. On the secondary façade along Bouvier Street, they utilized a contemporary take on Flemish bond with projecting and recessed headers to break up an otherwise blank portion of the brick wall.

From the project's beginning, the intent was to utilize white brick. In the end, the architects chose to paint the brick in order to maximize the contrast between the façade and the large black-framed windows. A mineral coating was applied to a cost-effective red brick to achieve the desired effect. Since its completion, disbelief has been the design team's highest compliment. Visitors and passersby cannot quite wrap their heads around the fact that the stunning brick warehouse hasn't been there for at least 100+ years. 1720 Fairmount Avenue is just one more expression of the City of Love's love affair with brick construction, a tradition that is as alive and innovative as ever on the streets of Philadelphia. ■



Architect:

CannoDesign

Brick Manufacturer:

Palmetto Brick Company

Brick Distributor:

Diener Brick Company

Mason Contractor:

Setag Construction

Photographer:

Alix Passage

Credits appear as submitted in entry form

High Park Residence

Toronto, Ontario, Canada

As you grow older in a cold country like Canada, the last thing you want is a trudge from your car to your front door. Not with groceries in hand. Not with snow and ice to traverse. The retired owners of this High Park residence first and foremost wanted close, on-site access to parking. What they didn't want was the suburban folly of a garage-fronted home. To protect them from the elements, the design team turned to one of the most common archetypes of ancient Roman architecture—the vault.

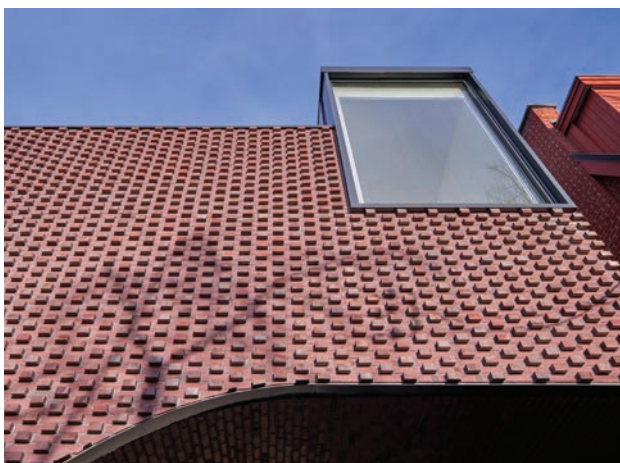
The home's brick-vaulted parking area shaped the formal organization of the entire project. Think of the common carport, but one made with uncommon geometry, materials, symmetry, and function. The vault extends the length of the lot, carving the front façade and creating a processional entryway reminiscent of a portico. To bring in natural light, the designers punctured, cut, and peeled it into new geometries, distributing atmospheric light and air into key locations, including



the lightwell, which washes the deep space with light.

A single repetitive adaptation of the Flemish-bond creates the monolithic façade. This field of brick patterning emphasizes a play of light and shadow and picks up on seasonal changes. In the summer, the protrusions texture the façade with stark shadows, and in the winter, the texture transforms through the brick creating shelves for snow to fall

on. Though thoroughly modern in style, the home blends into the tradition of brick in Toronto's residential fabric. And the modern vault feels right at home, as Toronto's residential streets are often punctuated by front porches (rather than garages) to create a transitional space between the street and the home. ■



Architect:

Batay-Csorba Architects

Brick Manufacturer:

Glen-Gery Corporation

Brick Distributor:

Mason's Masonry Supply Ltd.

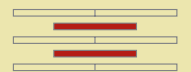
Mason Contractor:

Medi Group Masonry Limited

Photographer:

Doublespace Photography

Credits appear as submitted in entry form



The 2020 Brick in Architecture Award Winners

Several other projects were selected for Gold, Silver, and Bronze awards based on their scores totaling in the top percentages of their respective categories. Gold, Silver, and Bronze award winners are as follows:

CRAFTSMANSHIP WINNER ★ NEW THIS YEAR ★

The Craftsmanship Award is meant to provide recognition to an individual mason or a team of masons who skillfully install brick in an artful/unique way.

Midland Campus, Curtin University

Location: Perth, Western Australia, Australia
Architects: Silver Thomas Hanley Architecture & Lyons Architecture
Brick Manufacturer: Austral Bricks
Mason Contractor: PWD Construction

GOLD WINNERS

COMMERCIAL

Canopy Hotel Austin

Location: Austin, Texas
Architect: Lake | Flato Architects
Brick Manufacturers: Acme Brick Company & Endicott Clay Products Company
Mason Contractor: C.W. Oates Masonry, Inc.

EDUCATIONAL (Higher Education)

Grinnell College Humanities and Social Studies Center

Location: Grinnell, Iowa
Architect: EYP Architecture & Engineering
Brick Manufacturer: Glen-Gery Corporation
Mason Contractor: Seedorf Masonry, Inc.

EDUCATIONAL (K-12)

Ransom District Library

Location: Plainwell, Michigan
Architect: TowerPinkster
Brick Manufacturer: Glen-Gery Corporation
Brick Distributor: Belden Brick & Supply Company
Mason Contractor: Burggrave Masonry

INTERNATIONAL

Folding Garden | Beijing Poly · Sunrise Town Community Center

Location: Beijing, China
Architect: Zhuo Design Co., Ltd.
Brick Manufacturer: Icot (Guangdong) Ceramics Co., Ltd.

PAVING & LANDSCAPING

17th Street Market

Location: Richmond, Virginia
Landscape Architect: Baskerville
Brick Manufacturer: Pine Hall Brick Company, Inc.
Brick Distributor: Riverside Brick & Supply Co., Inc.
Mason Contractor: Chris McClaning, RSG Landscaping

Grinnell Central Park

Location: Grinnell, Iowa
Architect: RDG Planning & Design
Brick Manufacturers: Glen-Gery Corporation & Whitacre Greer Company
Mason Contractor: Donnie Doyle, American Masonry

RESIDENTIAL – MULTI-FAMILY

5551 Wellington

Location: Montreal, Quebec, Canada
Architect: ADHOC Architectes
Brick Manufacturer: Meridian Brick
Mason Contractor: Martin Labbé, Maçonnerie G.Y.

RESIDENTIAL – SINGLE FAMILY

Inglewood

Location: Austin, Texas
Architect: Mark Odom Studio
Brick Manufacturer: Acme Brick Company
Mason Contractor: A & J Masonry

SILVER WINNERS

COMMERCIAL

Penn Medicine

Location: Radnor, Pennsylvania
Architect: Ballinger
Brick Manufacturer: Endicott Clay Products Company
Brick Distributor: Belden Tri-State Building Materials
Mason Contractor: D.M. Sabia & Co., Inc.

EDUCATIONAL (Higher Education)

Music Activities Center - Texas A&M University

Location: College Station, Texas
Architect: Brown Reynolds Watford Architects
Brick Manufacturer: Acme Brick Company
Mason Contractor: Rusty Pfeffer, R.W. Pfeffer Masonry

Paul and Linda DeBruce Hall

Location: Kansas City, Missouri
Architect: Hufft Architects
Brick Manufacturer: Endicott Clay Products Company
Mason Contractor: Five Star Masonry LLC

EDUCATIONAL (K-12)

Professional Development & Administration Center

School District 59

Location: Elk Grove Village, Illinois
Architect: ARCON
Brick Manufacturer: Glen-Gery Corporation
Mason Contractor: JAC Masonry

INTERNATIONAL

Fritz Henßler Vocational College

Location: Dortmund, AE, Germany
Architect: SSP AG
Brick Manufacturer: Hagemeister-Klinker

International Campus of Zhejiang University

Location: Haining, AA, China
Architect: The Architectural Design & Research Institute of Zhejiang University Co., Ltd.
Brick Manufacturer: Cecep Guohuan New Material Co., Ltd

West End

Location: Sydney, New South Wales, Australia
Architect: TURNER
Brick Manufacturer: Bowral Bricks
Mason Contractor: DJD Brick and Block Laying

PAVING & LANDSCAPING

Lemon Avenue

Location: Sarasota, Florida
Landscape Architect: David W. Johnston Associates Inc.
Brick Manufacturer: Pine Hall Brick Company
Brick Distributor: Oldcastle
Mason Contractor: Preferred Pavers and Concrete

RESIDENTIAL – MULTI-FAMILY

2333 Fairmount Avenue

Location: Philadelphia, Pennsylvania
Architect: CannoDesign
Brick Manufacturer: Endicott Clay Products Company
Mason Contractor: Muldoon Masonry

Morgan Parc

Location: Mineola, New York
Architect: Stephen B. Jacobs Group, PC
Brick Manufacturer: Glen-Gery Corporation
Mason Contractor: Con Coakley

The Lively

Location: Jersey City, New Jersey
Architect: Fogarty Finger Architecture
Brick Manufacturer: Glen-Gery Corporation

RESIDENTIAL – SINGLE FAMILY

Custom Residential Home

Location: Savannah, Georgia
Architect: Sottile & Sottile
Brick Manufacturer: Acme Brick Company

BRONZE WINNERS

COMMERCIAL

Birmingham Intermodal Max and Amtrak Stations

Location: Birmingham, Alabama
Architect: Giattina Aycock Architecture Studio
Brick Manufacturer: Acme Brick Company
Mason Contractor: Roy Swindal, Masonry Arts

Globe Life Field

Location: Arlington, Texas
Design Architect: HKS, Inc.
Associate Architect: VLK Architects
Brick Manufacturer: Acme Brick Company
Mason Contractor: DMG Masonry

EDUCATIONAL (Higher Education)

South Texas Medical Academic Building, University of Texas Health Science Center

Location: Edinburg, Texas
Architect: Muñoz & Co.
Brick Manufacturer: Acme Brick Company
Mason Contractor: Brazos Masonry

EDUCATIONAL (K-12)

K-8 Replacement School

Location: Skokie, Illinois
Architect: STR Partners LLC
Brick Manufacturers: Endicott Clay Products Company, Elgin Butler Company, & Interstate Brick
Brick Distributor: Illinois Brick Company
Mason Contractor: Mastership Construction Company, Inc.

Washington Heights Elementary School

Location: Fort Worth, Texas
Architect: WRA Architects
Brick Manufacturer: Acme Brick Company
Mason Contractor: Wilks Masonry

Whitesburg P8 School

Location: Huntsville, Alabama
Architect: Chapman Sisson Architects
Brick Manufacturer: Acme Brick Company
Mason Contractor: Artisan Masonry

PAVING & LANDSCAPING

ScottsMiracle-Gro Corporate Campus

Location: Marysville, Ohio
Landscape Architect: Hidden Creek Landscaping Inc.
Brick Manufacturer: The Belden Brick Company
Brick Distributor: Hamilton Parker Company
Mason Contractor: Jason Cromely

McCormick Marriott

Location: Chicago, Illinois
Landscape Architect: Site Design Group
Architect: Goettsch Partners
Brick Manufacturer: Endicott Clay Product Company
Brick Distributor: Illinois Brick Company
Mason Contractor: C.R. Schmidt Brick Paving

RESIDENTIAL – MULTI-FAMILY

The Easton / Winward School

Location: New York, New York
Architect: Handel Architects
Brick Manufacturer: The Belden Brick Company
Brick Distributor: Belden Tri-State Building Materials
Mason Contractor: HDK Construction LLC

540 West 53rd Street

Location: Manhattan, New York
Architect: Edelman Sultan Knox Wood
Brick Manufacturers: Watsontown Brick & General Shale, Inc.
Brick Distributor: Belden Tri-State Building Materials
Mason Contractor: Mike Kitsos, Mega Contracting

RESIDENTIAL – SINGLE FAMILY

La Clairiere

Location: Princeton, New Jersey
Architect: Studio PHH Architects
Brick Manufacturer: Glen-Gery Brick Corporation
Brick Distributor: Church Brick Company
Mason Contractor: Michael Antolino Construction

New Lakeside Georgian Estate

Location: Greenwich, Connecticut
Architect: Charles Hilton Architects
Brick Manufacturer: Redland Brick Inc. (subsidiary of Glen-Gery)
Brick Distributor: O&G Industries, Inc.
Mason Contractor: P.W. Nethercott Inc.

Special thanks to this year's judges:

Chad Christie, AIA, LEED, BD+C – Kohn Pedersen Fox Associates PC

Mary Demro – A&E Design

Emily Ray, AIA – Wheeler Kearns Architects

Grant Thome, AIA, Legacy LEED AP – Hollis + Miller Architects

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www.gobrick.com/education



Let the Brick Industry Association know about your firm's projects that reflect excellence in design using clay brick. Submit your project to the 2020 Brick in Architecture Awards Competition at www.gobrick.com/awards.

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