

2018

MASONRY ASSOCIATION OF FLORIDA

Masonry Excellence Awards



ARCHITECTS

Bo Diddley Plaza Renovation
Gainesville, FL

Built to Last
FROM TOP TO BOTTOM

CONCRETE BLOCK
HOMES
concreteblockhomes.com

WHY CONCRETE BLOCK

Concrete block homes are more energy efficient. They are storm, fire, termite and mold resistant. They offer almost unlimited design flexibility and long-term durability. The real question is: why settle for anything else?



TERMITE RESISTANCE

Termites are known as silent destroyers because of their ability to chew through wood, flooring and even wallpaper undetected. In contrast, concrete block is impossible for termites to eat, eliminating the threat of damage.



MOLD/MILDEW RESISTANCE

Mold and mildew cannot grow on concrete block, as it does not provide a food source for the fungus. In addition, homes built with concrete block are airtight – even in the face of Florida's torrential rains – and keeping moisture out is key to preventing mold and mildew in the rest of the home.



ENERGY EFFICIENCY

Homes built with concrete block hold cool air inside, even in the dead heat of a Florida summer, which could lower cooling bills by up to 50 percent.



STORM RESISTANCE

Typical storm-resistant building techniques include standard 8-inch concrete block to wind and waterproof a home, significantly reducing the risk of damage and resulting in lower insurance premiums.



FIRE RESISTANCE

On average, home fires result in \$7.32 billion in property damage a year. As a non-combustible building material, concrete block won't burn, soften or bend during a fire, offering superior protection over wood-frame construction.



DURABILITY

In addition to these other benefits, concrete block does not rot, rust, warp or require extensive maintenance, which means homes maintain their curb appeal and value.



CONCRETE BLOCK
HOMES
concreteblockhomes.com

For further information visit concreteblockhomes.com

From the MAF Awards Chairman—Chris Bettinger

Thank you for taking a look at the 2018 Masonry “Brag Book” - this issue produced another year of great projects and accomplishments. But there is a lot more to think about since last fall...

First it was Harvey – a very scary event, but it was in Texas. Then Irma – obviously very close to home, and we were lucky as it could have been much worse.

Hurricane Maria – unfortunately, Puerto Rico didn’t have much of a chance against her.

Now Hurricane Michael, to see the power of mother nature is humbling. We’ve all seen the damage, the towns are gone and lives changed forever or unfortunately lost.

As an industry I’ve always looked at construction as new, exciting and positive. Communities growing... homes, schools and industry. All segments of our industry come together to get a project done on time and within budget. At times like this you see the same spirit. People helping to clean-up, getting communities back on their feet. When the Masonry Association made the decision to sponsor the 2018 SAP (Safety Assessment Program) Training it was done out of need.

Sure, we’re trying to sell masonry construction. But, our discussions with the AIA Staff were all based on giving back, making Florida a better place – a safer place. That spirit is shared by the AIA of Florida. Now it’s great to see the architects and engineers who participated in the training putting it to use. I live in Orlando, and I can think of five companies that have heavy equipment that have gone to the Panhandle. I’m sure there are many more stories like this.

We’ve had discussions about 2019 and another SAP sponsorship, the Masonry Association of Florida will be part of that. That’s what our industry does. The construction industry answers the challenges.

Don’t worry, we’ll be back in 2019 talking about masonry and storms, and more specifically, it’s performance and resiliency.



Christopher S. Bettinger

*Architectural – Commercial Sales
Specification Representative*

Oldcastle Architectural
A CRH Company.

MAF ProMasonry Chairman
MAF Awards Chairman
MAF 2nd Vice Chairman

Chris is a graduate of the University of Michigan in Architecture and has specialized in architectural specification and sales for 28 years. Over the last 22 years he has represented masonry products. Chris has worked for Oldcastle Coastal for eleven years, working with architects throughout the state of Florida. Chris has been an MAF Board Member at large since 2011 and Chairperson of the Awards and ProMasonry Committee since 2012.





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TRAIN.
RETAIN.**

Invest in your company
and your employees.

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www.masonryeducation.org

BUILD WITH MASONRY. BUILD FLORIDA. CREATE FLORIDA JOBS.
Masonry is 100% Florida!



When you build with masonry, you are building Florida. Masonry in Florida is manufactured and installed from Florida raw materials and labor. From material mining, to manufacturing through installation - **Masonry is 100% Florida.**

Masonry is beautiful, energy efficient and sustainable, providing worry-free strength and durability. Masonry provides excellent security in a storm and is safe, non-combustible and termite-free, making it the best choice for residential and commercial building.

Want to learn more? Visit us online at www.FloridaMasonry.com

Masonry's Greatest Strength

Why does masonry preform so much better than other light-frame products during extreme weather events?

Long-time South Florida residents who have weathered a severe hurricane often express a heartfelt thankfulness that they were in a concrete masonry structure. Structures built of many lesser products have weathered hurricanes but block homes provide the secure comfort of rock solid construction. This is not just antidotal – its common sense. After reading this article perhaps you will have a better understanding of concrete masonry's built in strength.

It's all about the "safety factor". Simply stated the "safety factor" is the difference between what engineers expect will be the largest wind load a structure will ever be exposed to --- and the wind load that they calculate would rip the structure apart. Structural engineers always like a good safety factor – usually around three times or 300%. Poor construction and material deficiencies erode safety factors but if you have a sufficient safety factor there is room for error.

Light framing such as wood or light gauge steel fight hard for sufficient safety factors to meet the required codes which specify what those factors will be. One of the reasons is weight. If your structure is light then it is completely dependent on how each individual member con-

nects to the member next to it. The weight of concrete and block decreases the connection strength necessary to hold everything together. That is because its heavy, compact nature makes it more stable in high winds.

Individual connectors such as nails or screws are the next stumbling block to light frame safety factors. Wood has a high strength to weight ratio – which is a positive. The problem comes in trying to connect the hundreds and hundreds of individual wood pieces together in a typical home. A tree branch can be very strong – but if you saw it off you will have a real problem on your hands to nail it back on to its original strength. Individual nails and screws have a relatively low connecting strength of 100 to 200 pounds where the connections between members may require 1000 or 2000 pounds of connection. Dozens of nails may be required for a single connection. The reserve strength of concrete and masonry is in steel reinforcing bars. The most typical bar used in residential block construction is a #5 bar (5/8" diameter). The allowable connecting strength of a single #5 bar is 9920#. This is not a special bar, it is the typical bar used everywhere. A connection requiring 1000# of connecting force would have a safety



Don Beers, PE, GC

MAF Staff Engineer
Adrian Engineering, Inc.

factor of almost 10 with the use of a single standard #5 connector.

It is a legitimate question to ask if higher safety factors – beyond minimum code requirements – make a difference in hurricane and tornado damage levels. The answer is a resounding yes. All structural types incur damage during major storm events. But the percentage of damaged structures of a particular construction type and the severity of that damage is clearly related to safety factor. This fact is being recognized in the current push for resilient structures. Code officials and community governments across the Country are recognizing the value of a little extra safety factor in reducing catastrophic storm damage. Many Florida residents have learned that lesson well and insist on concrete masonry for added piece of mind.



ALACHUA COUNTY
COMMITTEE
ON
HUMAN AND CIVIL
RIGHTS

pattlakes
coffee. capitol. community.

2017
ALACHUA COUNTY
COMMITTEE
ON
HUMAN AND CIVIL
RIGHTS



ARCHITECTS

BO DIDDLEY PLAZA RENOVATION
GAINESVILLE, FLORIDA

Patrick Ballasch of DAG Architects wins AIA Florida Caribbean Honor Award for Masonry Design

Located in the center of downtown Gainesville, this historic plaza was overdue for a facelift to encourage more public use and interaction. Thus, the City’s CRA was looking for a facelift and a redesign of the north side of the plaza to create a safe, attractive and lively place for people to enjoy both day and night. A bus shelter blocked views into the space and encouraged loitering, unsightly newspaper boxes anchored one edge, and high brick planters blocked sight lines and directed pedestrians in a regimented grid.

Improvements began with the bus shelter being demolished and relocated. A new brick building behind the amphitheater stage became a defining element at the entrance to the plaza, with an interactive water feature. The water provides a recirculating surface that can be touched, projected upon, or highlighted with constantly changing lights and colors. The brick building houses new public restrooms and a “green room” for performers, with dressing rooms, storage areas and facilities that will help increase the number and type of performances to the amphitheater.

Softer landscaping in lower, curvilinear planters improved sight lines and safety, new lighting, pathways, and signage also serve to promote a safe and attractive environment. A café with indoor and outdoor seating and a manned information kiosk/ticket booth were added, and the newspaper boxes replaced with a compact unit along a wall of the café. “The improve-

ments have improved the safety, visibility, and accessibility of the whole place,” says the City’s Project Manager. “It makes the plaza feel more welcome and open. And it makes people feel more comfortable.

Congratulations to DAG Architects and Patrick Ballasch for their work and recognition updating a Gainesville landmark!



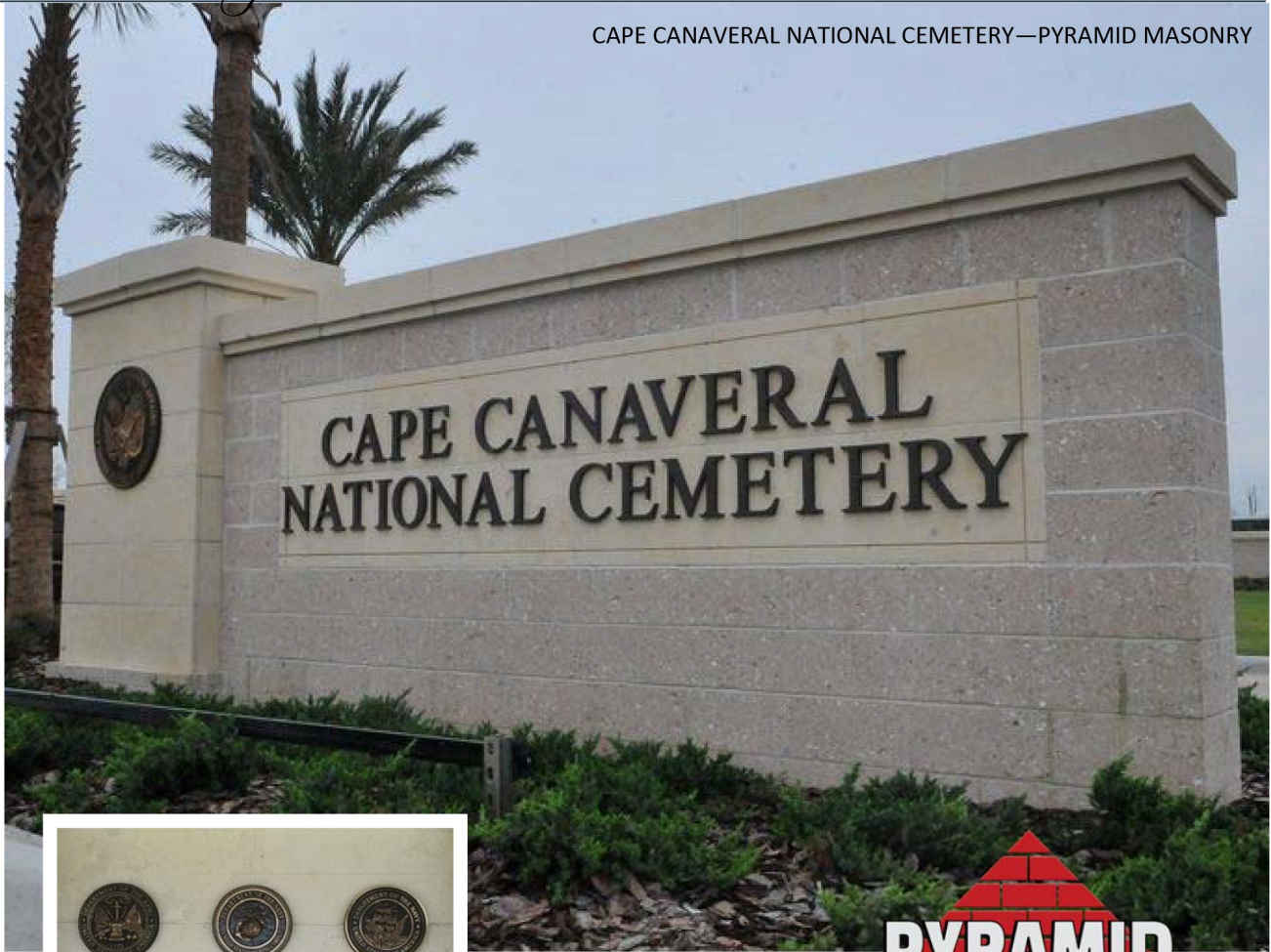
AIA FLORIDA

The Masonry Association of Florida (MAF) sponsored Florida Association of the American Institute of Architects (AIA FL) Honor and Design Awards category for masonry is in its ninth year and part of a continued partnership between the MAF and AIA FL.



2018 *Masonry Excellence Awards*

CAPE CANAVERAL NATIONAL CEMETERY—PYRAMID MASONRY



*2018 Commercial Institutional
Architectural Block Project Winner*

*2018 Architectural Block
Project of the Year*

ARCHITECT

Foster Conant & Associates | www.fosterconant.com

GENERAL CONTRACTOR

G & C Fab-Con, LLC | www.gandcfabcon.com

ENGINEER

England-Thims & Miller, Inc. | www.etminc.com

SUPPLIERS

CEMEX | www.cemex.com
MasonPro | www.masonpro.com
Texas Cut Stone | www.texascutstone.com

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NEMOURS CHILDREN'S HOSPITAL —PYRAMID MASONRY



2018 BlockStrong™ Commercial/
Institutional Project Winner

2018 BlockStrong™
Project of the Year

ARCHITECT

Stanley, Beaman & Sears
Perkins & Will | www.eypae.com

GENERAL CONTRACTOR

Skanska USA Building | www.usa.skanska.com

ENGINEER

Simpson Gumpertz & Heger | www.sgh.com

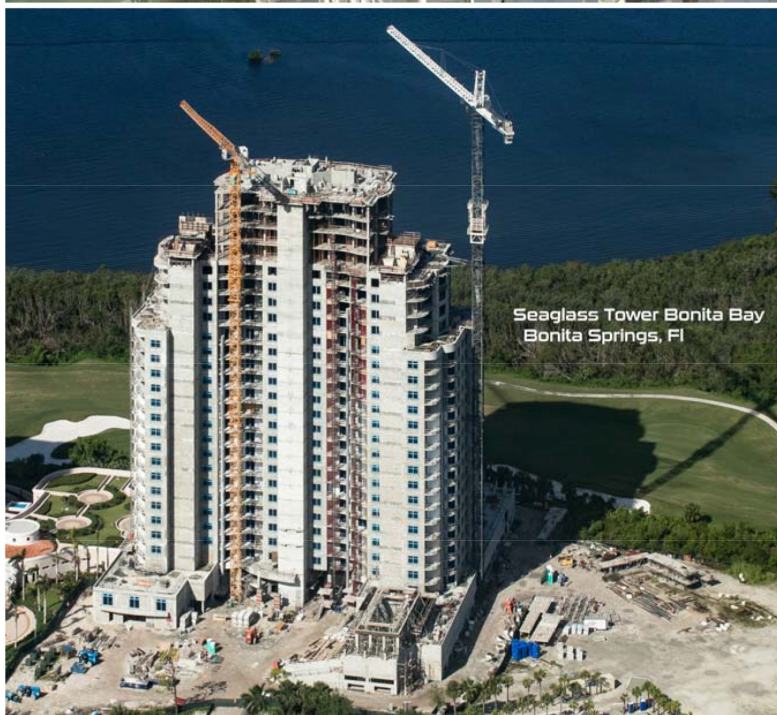
SUPPLIERS

CEMEX | www.cemex.com
MasonPro | www.masonpro.com

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SEAGLASS TOWER—PREFERRED MATERIALS



Seaglass Tower Bonita Bay
Bonita Springs, FL



*2018 BlockStrong™ Residential
Project Winner*

MASON CONTRACTOR

Liberty Conshor | www.libertyconshor.com

ARCHITECT

Santiesteban & Associates | www.saa-arc.com

GENERAL CONTRACTOR

BCBE | www.bcbellc.com

ENGINEER

Structural Designs | structuraldesigns.com

SUPPLIERS

Preferred Materials | www.preferredmaterials.com
Lotts Concrete | www.lottsconcrete.com

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COWFORD CHOPHOUSE—RD MASONRY, INC.



*2018 Brick & Stone Commercial/
Institutional Project Winner*

ARCHITECT

Design Cooperative | www.dcoop.com

GENERAL CONTRACTOR

Danis Building Construction | www.danis.com

SUPPLIERS

Argos-us.com | www.argos-us.com
Jeff Stanford | Concrete Precast Products
Bill Wood | William Wood Company

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TAX OFFICE REMODEL — BELL CONCRETE



**BELL CONCRETE
PRODUCTS**

Better Concrete Performance

*2018 Brick & Stone Creative Use of
Masonry Project Winner*

OWNER

Wes Evacheck
Evacheck's Tree Sources

GENERAL CONTRACTOR

Dennard Craftworks
www.dennardcraftworks.com

SUPPLIERS

Block Supplier | Columbia Readymix
Brick & Stone Supplier | Evacheck's Tree Sources
Mortar Supplier | Argos Cement
Concrete & Rebar | Columbia Readymix

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PRIVATE RESIDENCE—DAVID NELSON MASONRY



2018 Brick & Stone Project of the Year

ARCHITECT

Harrell Architects, LP
www.harrellarchitects.com

GENERAL CONTRACTOR

NewBury North | www.newburynorth.com

SUPPLIERS

Ruck Brothers Brick
239-281-2745

2018 Masonry Excellence Awards Honorable Mentions



Oldcastle
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Architectural Block
Merit Award
REI



BlockStrong™ Merit Award
Mercedes Benz of Bonita Springs



Creative Use of Masonry
Merit Award
Peg's Little Italy



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CenterState Bank - Okeechobee, Florida
Architect - DSI Design Services, Inc.
Mason - Doyle Masonry
Interstate Brick - Atlas Series, Mountain Red



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