

Door Security + Safety

DHI'S PUBLICATION FOR DOOR SECURITY + SAFETY PROFESSIONALS

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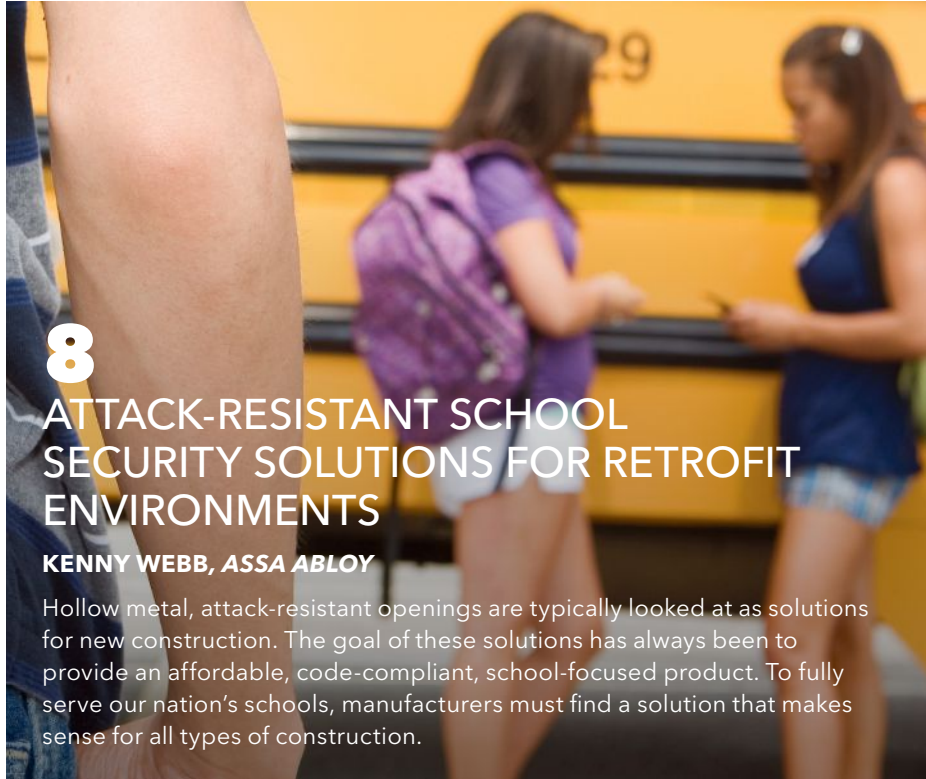
METAL AND SPECIALTY DOORS

ALSO INSIDE:

- + STORM STOPPERS: CHOOSING TORNADO-RESISTANT DOORS
- + CUSTOM DOORS FOR BETTER BUILDINGS
- + THE BENEFITS OF USING FIRE-RATED GLAZING

CONTENTS

FEATURES



8

ATTACK-RESISTANT SCHOOL SECURITY SOLUTIONS FOR RETROFIT ENVIRONMENTS

KENNY WEBB, ASSA ABLOY

Hollow metal, attack-resistant openings are typically looked at as solutions for new construction. The goal of these solutions has always been to provide an affordable, code-compliant, school-focused product. To fully serve our nation's schools, manufacturers must find a solution that makes sense for all types of construction.

10

STORM-STOPPERS: CHOOSING TORNADO-RESISTANT DOORS FOR SAFE ROOMS

JEFF ALWINE, ALLEGION

To keep people safe in tornadoes, more buildings include safe rooms (also known as "storm shelters") to defend people in place when the big storm approaches. This article discusses the codes and standards that govern safe room design, with a special eye on the testing standards and latest product options for tornado-resistant doors in these spaces.

16

BRINGING BIOMETRICS TO THE DOOR AND ACROSS THE ENTERPRISE

WAYNE PAK, HID GLOBAL

Over the past few years, biometrics have rapidly expanded into consumer applications like the financial market for customer authentication to payment services and withdrawing cash from ATMs in high-fraud markets. However, its adoption as an additional authentication factor for physical access control systems (PACS) and other enterprise applications hasn't been as rapid. But this is changing.

22 THE SYSTEM SOLUTION

The benefits of using fire-rated glazing systems in modern building designs

JEFF RAZWICK, TECHNICAL GLASS PRODUCTS

Long gone are the days of specifying tiny, wired fire-rated glass lites in exit doors. Modern building designs call for expansive spans of fire-rated glazing to transfer daylight, open up interiors and support complex project goals all while meeting stringent fire- and life safety criteria.

28 DON'T MAKE THESE 8 SECURITY ENTRANCE MISTAKES

TRACIE THOMAS, BOON EDAM

Security entrances provide a wide range of benefits for organizations and their facilities. They come in a number of security levels, from level one up to level four—prevention—where the entrance is designed to only allow passage of authorized personnel and completely stop unauthorized entry, including piggybacking and tailgating.

32 PREVIEW: DHI MANAGEMENT SUMMIT 2018

34 PREPARING FOR 2020: MANAGING THE NEW GENERATION OF EMPLOYEES

KATHRYNE A. NEWTON, PH.D., K. NEWTON & ASSOCIATES

37 DON'T CONFUSE PROFIT FIRST WITH SHORT-TERM THINKING

JASON BADER, THE DISTRIBUTION TEAM

40 MECHANIC'S LIENS: WHAT THEY ARE AND HOW THEY CAN HELP YOU GET PAID

ERIC TRAVERS, KEGLER BROWN HILL + RITTER

48 NEW DOOR SECURITY & SAFETY FOUNDATION PRESIDENT: JAY MANZO, CPA

The Foundation's new President discusses the organization's mission, message and 2019 Strategic Plan.

58 DOOR SECURITY + SAFETY READERS' SURVEY

DENISE GABLE, DHI

We asked and you answered! Here are the results of the 2018 *Door Security + Safety Readers' Survey*.

DHI'S PUBLICATION FOR DOOR SECURITY + SAFETY PROFESSIONALS

CASE STUDIES

42 CUSTOM DOORS FOR BETTER BUILDINGS

JEFF WHERRY, STEEL DOOR INSTITUTE

46 A MISSION TO BUILD THE BRAND

BEN H. DORSEY III, LEED GA, SPECIAL-LITE



BUSINESS MANAGEMENT

54 IMPROVING WORKPLACE DECISION-MAKING

PART 2 OF 2

ROBERT W. WENDOVER, COMMON SENSE ENTERPRISES

COLUMNS + DEPARTMENTS



4 IN TOUCH MARK J. BERGER

62 DECODED LORI GREENE, DAHC/CDC, FDAI, FDHI, CCPR

68 THE REVENUE GROWTH HABIT ALEX GOLDFAYN

72 CLOSING THOUGHTS SHARON NEWPORT



6 FACES ROGER J. STEMPKY

60 PRODUCT SPOTLIGHT

66 REAL OPENINGS MARK J. BERGER

70 IMPACT

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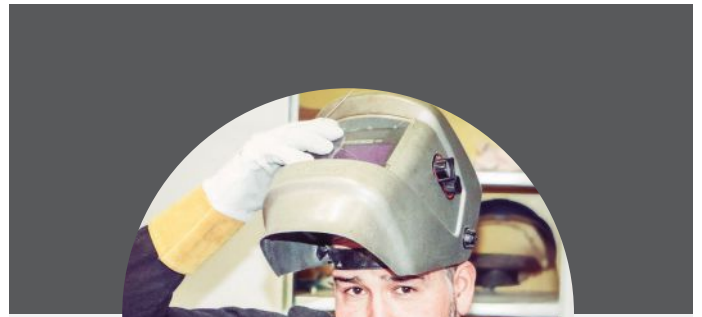
contamination. Multispectral sensors work for the broadest range of people with normal, wet, dry or damaged fingers, across the widest range of usage conditions – from lotions or grease to sunlight to wet or cold conditions. The sensors also resist damage from harsh cleaning products and contamination from dirt and sunlight.

LIVENESS DETECTION

Liveness detection is the ability to determine that the biometric data captured by the fingerprint reader is from a real living person, not a plastic fake or other artificial copy. An increasingly visible dimension of biometric performance in commercial applications, liveness detection is critical for preserving trust in the integrity of biometrics authentication. At the same time, it must not impede performance or result in excessive false user rejections.

The most trusted multispectral imaging fingerprint sensors with liveness detection provide a real-time determination that the biometric captures are genuine and are being presented by the legitimate owner, rather than someone impersonating them. This capability leverages the image-capture approach of using different colors or spectrum of light to measure the surface and subsurface data within a fingerprint. In addition to this optical system, the biometrics sensor features several core components, including an embedded processor that analyzes the raw imaging data to ensure that the sample being imaged is a genuine human finger rather than an artificial or spoof material. Advanced machine learning techniques are used so the solution can adapt and respond to new threats and spoofs as they are identified.

While liveness detection and the underlying capture technology optimizes performance, it is also important



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A Mission to Build the Brand

BY BEN H DORSEY III, LEED GA

In the restaurant market, branding is a critical asset. This is especially true for restaurant chains. Here, building construction is heavily connected to the brand identity, even as local variations are permitted.



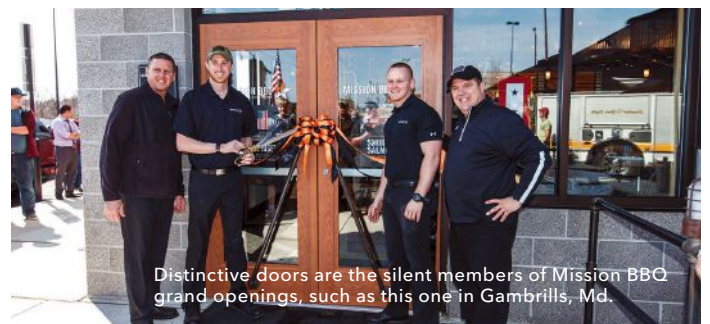
The Gainesville, location highlights several aspects of Mission BBQ branding.

For Mission BBQ, the brand is reflected in their buildings (such as the corrugated metal awnings), their people (they like to hire vets), and their practices (such as standing for the national anthem at noon each day). Mission BBQ, headquartered in Glen Burnie, Md., was founded on Sept. 11, 2011. Their message is one of patriotism, service to those who serve or have served, and close relationships with first responders. And, let's not forget the Va., barbecue!

Each grand opening for a new location includes patriotic fanfare and VIP events. Their branded military vehicle typically makes it these grand openings and has even served as a backdrop for military weddings. They have even christened a military-style boat, named Sea Brisket.

As of this writing, Mission BBQ was in nearly 70 locations in 15 states, all east of the Mississippi. Each ribbon-cutting ceremony also brings out one or both company founders, Bill Krause and Stephen "Newt" Newton.

Another key player in the ribbon cutting ceremony is the distinctive entrance system. No matter how small or how large the location, the entrance system takes on an appearance of wood and the doors always offer the trademark external pulls constructed of black gas pipe mounted at a characteristic angle with elbow ends. If the elbows and tops of the pipe get a little worn through use, well, that simply contributes to the brand image.



Distinctive doors are the silent members of Mission BBQ grand openings, such as this one in Gambrills, Md.

Behind the branding, of course, are serious doors and hardware designed for heavy traffic—another trademark of Mission BBQ.

For all but a few of the early Mission BBQ locations, the doors are aluminum monumental or stile and rail doors. Here, the Special-Lite SL-15 has been the go-to product. The doors feature full lites of one-inch clear Low-E and tempered glass and a powder coated “Wood Expressions” finish.

The doors are paired with Hager Companies hardware, including 5400 series rim exit devices with surface vertical rods (often less bottom rods), Roton continuous hinges, 5100 series closers, strikes, and door protection plates.

Mitch Pipgrass, of Mitchell Sales & Associates, represents both Hager Companies and Special-Lite in Maryland, Virginia, and the nation’s capital. He brought these two product lines together for Mission BBQ.

“This client, like most others I have worked with, wanted a comprehensive solution to their entrance-related challenges,” Pipgrass says. “So I offered them both the functionality and the look they needed. A significant component of that functionality is robustness. They want it to look right, for sure, but they need flawless performance out of the entrance system so they can focus on what matters—serving their customers.”

Alan Hamm Architects of Kensington, Md., is the firm of record for Mission BBQ. Kevin Lorei is a senior architect with the firm.

“We’ve dealt with a variety of buildings for this client,” he explains. “Some are new construction from the ground up while others repurpose existing structures.”

A typical Mission BBQ location offers 3,500 to 4,200 square feet of floor space. Within the space, a 100-plus capacity dining room is the centerpiece and is always decorated in patriotic flare. Another component is a full-service kitchen area with open service line. A separate food preparation and catering area is common in most locations. Outdoor patio dining is available in all new construction locations and for renovated sites when space permits. Average construction time across all projects is about 12 weeks.



The variation of geography and building type can challenge the architect. “Still,” says Lorei, “We achieve the intended branding through some common elements. Among these are the chosen doors and custom, gas pipe pulls.”

“Early on, we had been using wood doors, but we had challenges with warping and maintenance issues due to the heavy traffic these doors experience,” he said. “We then discovered the more resilient doors of Special-Lite in an

American Cherry wood grain finish that fulfills our initial design intent. They look great and hold up well to the heavy use.”

Speaking of those unique external pulls, Lorei explains: “From the corrugated metal awnings to the door color and pulls, and patio construction materials, we sought honest, hard-working materials that reflect the clientele of Mission BBQ. It’s a rustic, hands-on image. And the aesthetics of the openings contribute to that image.”



According to Linda Dotterer, Brand Ambassador for Mission BBQ, it was the research done by their founders that led to the entire customer experience, as well as the decor of their restaurants.

“Before we opened our first restaurant, our founders traveled extensively to barbeque hotspots across the country,” she says. “They sought out the masters of barbeque. Along the way they also noted elements of decor that led to an unpretentious dining experience. In particular, they noted the fusion of metal, wood, and concrete. You see plenty of these elements in our restaurants today.”

“As a chain, we can’t replicate every feeling of the mom and pop barbeque,” Dotterer says. But we use these elements to strive for an authentic barbeque experience. You see it in our on-site smoker from Ole Hickory Pits. You see it our metal food trays with food served on butcher block paper. And beyond the gas pipe door pulls, you see that same look in our railings and in our paper towel dispensers.”

Many building products can contribute to the desired brand image of restaurants. Logoed signage may be the most noticeable. However, the entrance system offers numerous ways for the restaurant owner to create the desired customer experience. After all, it can provide choices in material, color, finishes, lites, and hardware to help establish and reinforce the brand.

Mission BBQ is on a mission to build their brand. And for them, the chosen doors are leading the charge. +



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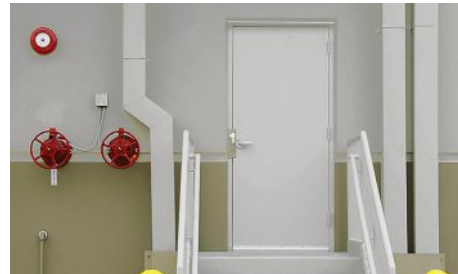


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