

PRO REMODELER

PROFESSIONAL REMODELER / THE OFFICIAL REMODELING PUBLICATION OF NAHB

TOP
100
PRODUCTS

JULY/AUG 2021 / PROREMODELER.COM

SGC HORIZON

PRO REMODELER
PROFESSIONAL REMODELER

**TOP 100
PRODUCTS
2021**

[For more info on this year's
winners, click on the logos below]





Chief Architect®

Smarter Design Software



Chief Architect 30 second rendering.
See more of this model online.

Download a Free Trial Version

Residential Design

Remodeling & Cost Estimating

Kitchen, Bath, & Interior Design

3D Design, Floor Plans, Elevations

Construction Drawings

CAD Tools & Section Details



CONTENTS

07.21
08.21

DEPARTMENTS

- 07 **From Erika**
Editor's column
- 09 **In Box**
Letters from readers
- 11 **News Front**
Short takes on what's new
and notable in the industry
- 13 **In Business**
Opinions from Mark
Richardson
- 16 **Insights from NAHB**
Lumber volatility; IRC codes
- 66 **Profile**
Elizabeth Evans, CEO of E2
Homes and E2 Roofing

PRO TRADE CRAFT PICKS

Highlights from ProTradeCraft.com

- 15 **Editorial**
5 Lessons From Coverings
- 20 **Jobsite Know-How**
How to Make
Cutting Crown Easier

PRODUCTS

- 65 **Pro's Picks**
PINK Next Gen fiberglass
insulation; WhisperValue
Ventilation Fan

COVER IMAGE: SEE MORE / STOCK.ADOBE.COM



28

FEATURES

- 28 **TOP 100 PRODUCTS**
Every year we highlight products that get the most reader response or have introduced innovation to the industry in the prior 12 months. Check out the results in this issue.
- 56 **4 RULES FOR FLEXIBLE DUCTS THAT REMODELERS NEED TO KNOW**
Using flexible ducts saves time, but careless installation can cause performance-related problems.



MISS OUR LAST ISSUE?
IT'S NOW AVAILABLE
TO VIEW ON
PROREMODELER.COM



CONTACT US
emosse@
sgcmail.com

FOLLOW US
facebook.com/
ProRemodeler
twitter.com/
ProRemodelMag

PRODUCT OF THE MONTH

SPONSORED CONTENT

OWENS CORNING® UNVEILS PINK NEXT GEN™ FIBERGLAS™ INSULATION

Owens Corning, the insulation industry's most trusted brand, announces the introduction of PINK Next Gen™ Fiberglas™ insulation, an advanced building product that raises the bar for the insulation industry. The product is the result of several new technology innovations that combine to deliver a superior insulation solution.

Setting a new standard for precision, comfort, safety and sustainability, PINK Next Gen™ Fiberglas™ insulation is designed to help professional remodelers work smarter, faster and more comfortably than ever before.

The secret to PINK Next Gen™ Fiberglas™ insulation is advanced fiber technology that creates a tightly woven network of soft, fine fibers to form a super-resilient blanket of insulating micro-pockets. Made with safe, proven ingredients, it recovers instantly and is made to fit perfectly into the stud cavity, with a visibly superior texture that more easily passes inspection. With a feel as soft as cotton, it's easier to handle and splits cleanly to fill cavities completely. There's also less dust for a more comfortable installation and less cleanup.

As the company that invented fiberglass insulation in 1938, Owens Corning has never stopped perfecting it and continues on its journey in making it one of the most trusted and most preferred insulation solutions on the market. Please visit PINKNextGen.com for more information.



PINK Next Gen™ Fiberglas™ insulation fits better and handles more easily, for time savings on the job.



PINK
NEXT GEN™
FIBERGLAS™
INSULATION

PINKNextGen.com



PERFECT FIT FASTER INSTALL



PINK
NEXT GEN™
FIBERGLAS™
INSULATION



CUTS WITH
ONE PASS



SLIDES IN,
STAYS PUT



SHED-
RESISTANT

Discover the time-saving precision of PINK Next Gen™ Fiberglas™ insulation for clean, fast inspection-ready results.

See why it's the right choice at PINKNextGen.com

Panasonic



Retrofits Made Easy

The easy-to-install **WhisperFit DC** gets you to the next job faster.

The new WhisperFit® DC is the perfect ventilation fan for remodeling projects. A low 5-5/8" housing depth makes it easy for room side installation in 2 x 6 construction using existing duct and an included 4" to 3" duct adapter. The Pick-A-Flow™ airflow selector lets you customize fan speed—50, 80 or 110 CFM—making it the right fan for a variety of room sizes and moisture conditions. An ECM motor with SmartFlow™ technology for True Flow ratings at 0.375" static pressure assures powerful airflow for optimum performance while removing unhealthy air from your customer's home.



CONDENSATION SENSING TECHNOLOGY

Select model anticipates dewpoint and automatically turns fan on for hands-free moisture control



DIMMABLE LED & NIGHT LIGHT

Lighted model incorporates one 10W dimmable LED chip panel with <1W LED night light for warm, long-life energy efficient illumination



ADJUSTABLE COLOR TEMPERATURE

LED lighted model features adjustable color temperature to complement any décor and homeowner preference

Professional bathroom fan installations in less time.
Learn more at FitDCfan.com

**MODEL
REMODEL**
Professional Remodeler
Product Partner

WhisperFit DC
VENTILATION FAN

CIRCLE 753



SCRANTON GILLETTE COMMUNICATIONS

3030 W. Salt Creek Lane, Suite 201
Arlington Heights, IL 60005-5025
Ph: 847.391.1000 / Fax: 847.390.0408

STAFF

DIRECTOR OF CONTENT

Erika Mosse / emosse@sgcmail.com

EXECUTIVE EDITOR

Sal Alfano / salfano@sgcmail.com

MANAGING EDITOR

James F. McClister / jmcclister@sgcmail.com

ASSOCIATE EDITOR

Annie Cebulski / acebulski@sgcmail.com

SENIOR CONTRIBUTING EDITOR

Jim Cory

INDUSTRY ADVISER / COLUMNIST

Mark Richardson

CONTRIBUTING EDITORS

Doug Walter, Charlie Wardell

DESIGNER

Robin McCartney

GROUP PUBLISHER - PRINCIPAL

Tony Mancini

DIRECTOR OF EVENTS

Judy Brociek

ASSISTANT DESIGN MANAGER

Dara Rubin / drubin@sgcmail.com

MARKETING DIRECTOR

Stephanie Miller / smiller@nimblethinkers.com

SUBSCRIPTION INQUIRIES

Professional Remodeler
P.O. Box 300, Lincolnshire, IL. 60069-0300
PFR@omeda.com
Toll Free 877.501.7540 / Local 847.763.4933

CORPORATE

CHAIRMAN EMERITUS (1922-2003)

H.S. Gillette

CHAIRPERSON

K.A. Gillette

CEO

E.S. Gillette

PRESIDENT

Rick Schwer

COO

David Shreiner

SR. VICE PRESIDENT

Ann O'Neill

DIRECTOR OF CUSTOM MEDIA & STRATEGIC PRODUCT DEVELOPMENT

John Atwood

VICE PRESIDENT OF OPERATIONS

Bonnie Tow



2018, 2021 JESSE H. NEAL
AWARD WINNER



By Any Other Name

YOU MAY HAVE NOTICED that the name Erika Taylor no longer appears as part of *Pro Remodeler* and instead, the editor is Erika Mosse. Many of my friends in the industry have emailed me to ask if I got married or divorced, but the answer is actually more complex. It's a story I'd like to share.

A number of you who know me also know that I lost my son, Aaron, to addiction in March of 2019. Aaron was brilliant, hilarious, and totally unique. He was my only child. The loss has been terrible. On top of missing Aaron with every breath, I was suddenly no longer a mom, but not *not* a mom either.

A way forward to honor the past

The loss of my identity as a parent, as well as all future legacy, was yet another source of grief. I had a great job and a happy marriage, but the engine that drove my life forward, the heart of my heart, was my son.

My husband and I tried to adopt an older child, thinking we could help a young person who had a rough start in the world. But you're required to foster first, and 70% of the time, those kids go back to their biological families.

So, after much discussion, we decided to have a baby of our own using IVF. It worked! Never in my wildest dreams could I have imagined that a combination of science, medicine, and a very gracious egg donor would make me a mother once again at 57.

Our son, Micah Mosse, was born on April 10.

A new life, a new name

Having a new baby was miraculous. I've embraced life again and can now grieve Aaron with love rather than only intolerable pain. Micah is his own person already, and I'm excited to see how this wonderful little being unfolds over time.

I've also noticed that there are advantages to being a (much!) older parent that I didn't anticipate. For example, I am more patient, more relaxed, and more consciously



IT FEELS STRANGE TO START GOING BY A NEW NAME FOR THE FIRST TIME IN MY LIFE.

present for every moment since at this stage of life I realize how quickly the time goes by. I'm also more intentional.

And that brings me to the actual point of this column. My husband, who was not Aaron's father, suggested giving Micah my last name rather than his. This would celebrate the continuation of my family line. After thinking about it, I realized that the lineage I truly want to acknowledge is my mother's. Micah carries her last name: Mosse.

But it's hard on a kid to have a different last name than either of his parents, and so we decided that I would legally change my name to match Micah's. Going forward, I am Erika Mosse.

It feels strange to start going by a new name for the first time in my life, but it also feels right. Erika Mosse is a proud member of the remodeling industry. She's an editor, speaker, and event facilitator. But most importantly, she's also a mother.

Erika Mosse, Director of Content

[EMOSSE@SGCMAIL.COM](mailto:emosse@sgcmail.com) / 972.369.9212

valspar®

YOUR NEXT JOB IS ON US.

LEARN HOW WITH OUR PAINT TRIAL PROGRAM AT LOWE'S

We're so confident you'll love our paint we're offering up to 10 free gallons for you to try. Find the nearest Lowe's store or a Pro Rep at [ValsparPro.com](https://www.valsparpro.com)



Open Concept

"THE LIFE, DEATH, AND FUTURE OF THE OPEN CONCEPT,"

JAMES F. McCLISTER, MAY/JUNE 2021

This article looks at the history and future of the open-concept layout.

Bruce (online comment) What I saw first hand in the late 1970's was a move away from providing a separate dining room in addition to the kitchen breakfast nook to provide more space for daily use with houses utilizing 2000 square feet or less. With 3,000 square feet or more there is room to waste and good design and traffic flow is much less critical in these houses.

But it's wrong to generalize based on the wants of white middle class people in this country and ignore everyone else where their needs and cultural aspects create different preferred house plans.

Henry (online comment) Saying men watch remodeling shows because of a demo project is absurd. I find the Property Brothers designs quite creative and the final decorating tasteful. I am a male who cooks more than my wife because I enjoy it and I like to interact with my family and guests; therefore the open concept works well for me.

James F. McClister (response to Henry) Thank you for your comment. Indeed, you may be right that men are not drawn to Property Brothers (or any other home remodeling show) because of the thrill of demolition. However, it doesn't necessarily matter whether it's the case or not, because as Ms. Kaysen reveals in her 2019 NPR interview, HGTV execs believe it to be true.

If you believe Ms. Kaysen's account—and being familiar with her work and reputation for integrity, I have no reason not to—at least some of HGTV's execs are operating under the assumption that men like demolition and as a result the network showcases renovations that by and large feature opening up living spaces.

And if you allow for the possibility that homeowners may be influenced by what content HGTV chooses to air, you also allow for the possibility that the promulgation of open concept design on shows like Property Brothers are making those floor plans more popular than they would have otherwise been—which is not a judgment on the plan itself, but rather part of an explanation of its unyielding popularity.



CONTACT US

emosse@sgcmail.com

FOLLOW US

facebook.com/
ProRemodeler

twitter.com/
ProRemodelMag

Exodus

"NARI NY VOTES TO LEAVE NATIONAL,"

JAMES F. McCLISTER, JUNE 2021

This article broke the news of NARI NY's vote to terminate its chapter agreement with NARI National.

Michael (online comment) - Wow. This exodus of chapters points to a critical failure by the National organization and its leadership to make amends. It may also be a prime example of dangers of siloed thinking meshed, the perils of an echo chamber, and the folly bound friends of a feather.

The question I have is will this exodus gain momentum, bringing enough chapters along that NARI fails and a new modernized organization emerges that can serve a diverse modern industry with transparency and inclusion at it's core? Or, will it serve as the kick in the pants that National needs to get with the program, ditch the ego, demonstrate real leadership (not the paternalistic, Our way or the Highway BS that got us here), and remember their place; in service to the members.

It's hard to believe things are crumbling so fast and so furious over what a little humility might have easily resolved. Kudos to NYC and DC for handling their departure with such professionalism and positivity.

Dennis Gehman, President of NARI, responds: Because

NARI is a national association, our mission is to promote and advance the professionalism of remodelers no matter where they live. We continue to develop valuable business-building tools that will help our members succeed now and in the future.

Interest in NARI benefits is strong and we have received record numbers of new member inquiries in recent weeks. As NARI membership grows, we look forward to establishing new local chapters to provide additional support to NARI members when membership in an area grows large enough to do so. 



WE WELCOME YOUR FEEDBACK

Send letters to
emosse@sgcmail.com.

Please note that letters and comments may be edited for length and clarity.

YOUR DESIGN AND CRAFTSMANSHIP. *elevated.*



For over two decades, DaVinci has matched the natural look of slate and shake with the durability and performance of composite roofing.



© 2020 DaVinci Roofscapes
A Westlake Company

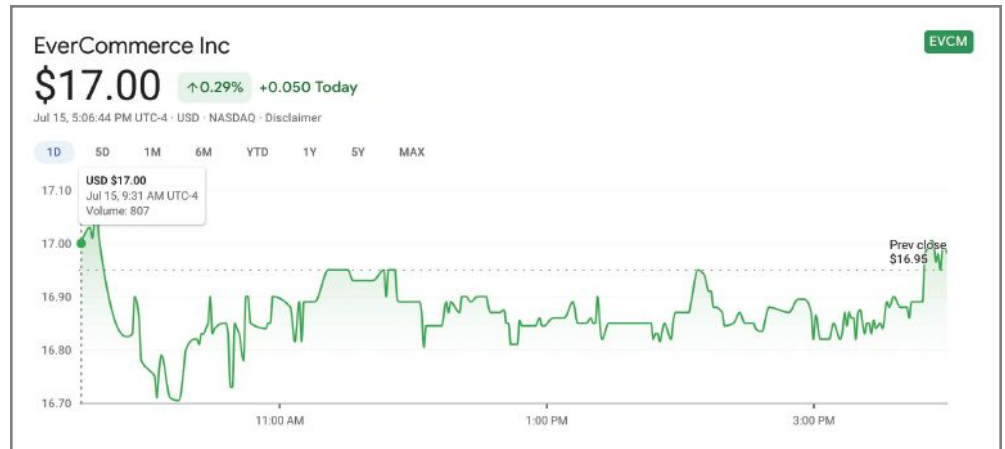
DAVINCIROOFSCAPES.COM | 800-328-4624

EVERCOMMERCE INITIAL PUBLIC OFFERING GOES LIVE ON NASDAQ

Evercommerce, an end-to-end service platform specializing in home improvement, health services, and fitness services, has announced its initial public offering on the NASDAQ. The company will trade as EVCM.

"It's official. Evercommerce is now trading on the Nasdaq," Kevin Geiger, VP of business development at Evercommerce, said on LinkedIn. "Congratulations to everyone involved. The next chapter has begun and I am very proud to be part of that chapter."

In an announcement of the company's public offering on July 1, 2021, Evercommerce said that it would release 19,117,648 shares of its common stock at a public offering price of \$17.00 per share. Since then, the stock has climbed to over \$18.50 per share. The company says that Goldman Sachs & Co. LLC, J.P. Morgan Securities LLC, RBC Capital Markets, LLC and KKR Capital Markets LLC are acting as lead book-running managers for the initial public offering. An additional set of stocks are available to entities affiliated with Silver

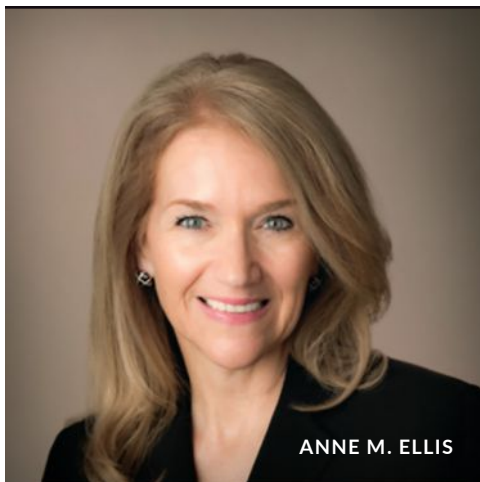


Lake, an existing stockholder that invested in Evercommerce back in July of 2019.

Since 2016, Evercommerce climbed its way to ubiquity in the home improvement space with EverPro, a solution built for marketing, business management, and customer engagement. The tool is popular by the acquisitions of companies such

as MarketSharp and improveit360: On its website, they list 27 home service companies under its wing.

Evercommerce continues to expand in all three branches of their service offerings, and one of their most recent acquisitions is a New Zealand-based, beauty-industry software. [PRO](#)



ANNE M. ELLIS

The National Institute of Building Sciences (NIBS) recently named Anne M. Ellis, executive director with the Charles Pankow Foundation, as the new chair of its board of

NATIONAL INSTITUTE OF BUILDING SCIENCES NAMES FIRST FEMALE BOARD CHAIR

directors. Ellis will be the board's first female chair since the organization's creation by Congress in 1974.

"We recognize the need to improve diversity and inclusion in leadership roles in this industry, and this year's nominations process was a step in the right direction," Lakisha A. Woods, CAE, President and CEO of NIBS, says of the election of Ellis. "The skill set and knowledge that these new board members bring to the table will increase our ability to serve the needs of the nation's building

industry."

The other elected board officials include Thomas H. Phoenix, Sr., PE, FASHRAE, LEED-AP, CPL Architects and Engineers, PC as vice-chair; Darrell X. Rounds, FMA, C.E.M., operations group manager, General Motors as treasurer; and Charlie D. Curlin, Jr., PE, CEM, CPD, principal with Shultz Engineering Group as secretary. They will join four more board members appointed by President Joe Biden. The entire NIBS board is comprised of 21 members.

DURABLE SIDING. NOW IN COLOR.



LP SmartSide ExpertFinish Trim & Siding provides 16 prefinished color options for siding with advanced durability you can stand behind.

Discover ExpertFinish® Color at
LPCorp.com/ExpertFinish

LP SmartSide®
ExpertFinish TRIM & SIDING

CATEGORY

Remodeling Cost Disconnect

THE PRICES OF MATERIALS MAY DECREASE BUT OTHER FACTORS WILL KEEP OVERALL COSTS HIGH

WHILE MANY ELEMENTS in the remodeling space are changing quickly, there is one change that's important to nip in the bud.

Many homeowners think that remodeling costs will go down. Every remodeler believes the cost of a remodeling project will go up.

Wow ... this is huge.

While it varies across region, we have seen some decrease in leads over the last month. There are many factors. These include homeowners getting out of Covid-jail, travel plans, and reconnecting with friends and family. Yet there is one other that may be even more significant.

Clients Believe Remodeling Costs Will Go Down

Recently, I informally surveyed remodelers with two questions. 1) Do your prospects think the cost of their

remodeling project will go down over the next six to 12 months? 2) Do you believe the cost of a remodeling projects will go down over the next six to 12 months?

About 50% of homeowners think the cost will go down compared to only 1% of the remodelers. In fact, 99% of the remodelers believe that costs will rise.

So why is this important?

When investors think the stock market is going down are they lining up to invest? No. If you think there will be an abundance of paper towels in the store, is it time to stock up? No again.

This misconception is understandable with the media making such a big deal on the lumber increase and the cost of electrical wire skyrocketing. What they do not publish is the rising cost of labor, or trade contractors going up, or even just the cost of making job sites safer.

Over the last five years, we have seen remodeling project rise 12% to 18% annually and there is no reason that will not continue. As a remodeling expert it is your job to educate and break down homeowner misconceptions.

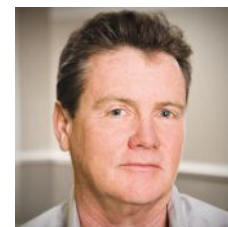
A few tips

1) Use facts not your feelings. Discuss the costs of a carpenter or plumber going up and then compare the \$5K in increases vs the \$1k in commodities (lumber) going down. The numbers do not lie.

2) Communicate the three "Es." It is important to stay on this theme: Easy, Early and Every time. Make it Easy for them to comprehend it. Do it Early in the sales process. And discuss it Every time.

3) Training. Everyone in your business (marketing, sales, and production) should deliver a consistent message.

I know when you have a backlog of projects this may not seem like top priority. However, the difference between a good and great business is how forward thinking they are. A great one proactively leads prospects rather than just reacting to market conditions. 



*Mark Richardson, CR, is a speaker and business growth strategist. He authored the best-selling books *How Fit Is Your Business?*, *Fit to Grow*, and *The Art of Time Mastery*. He also hosts the podcast *Remodeling Mastery*.
mrichardson@
mgrichardson.com
or 301.275.0208*

WE HAVE SEEN REMODELING PROJECT RISE 12% TO 18% ANNUALLY AND THERE IS NO REASON THAT WILL NOT CONTINUE.



Training is crucial to ensure your sales team has a unified, clear message to homeowners about the cost of remodeling projects.



WITH VERSATEX IN COLOR

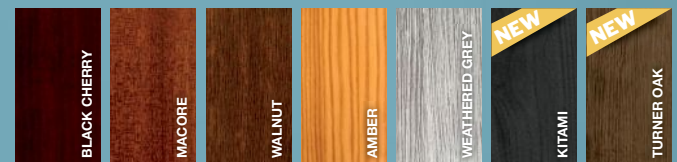
Extend your design options with the newest technology in cellular PVC trim!

The VERSATEX *Canvas Series* has been developed to add contrast to your porch ceilings and interior trim projects. This innovation combines warm woodgrain finishes with our moisture-resistant T&G WP4 profile, Stealth Beadboard, 4" Crown Moulding and Bed Mould. Through the Canvas Series, VERSATEX delivers the look of rich hardwoods with a proven exterior grade laminate that eliminates labor-intensive re-staining requirements.

Express yourself with luxurious finishes.

Canvas Series

BEAUTY OF WOOD. DURABILITY OF PVC.



Versatex
 @versatex
 @versatex_trimboard
www.versatex.com | 724-857-1111

VERSATEX®
BUILDING PRODUCTS

GET THE VERSATEX APP

Available on the App Store and Google Play™



Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Google Play is a trademark of Google Inc.

CIRCLE 757

NOW AVAILABLE IN
4 PROFILES
7 FINISHES

5 LESSONS FROM COVERINGS

COVERINGS RETURNED IN PERSON THIS YEAR

after a 2020 that needs no further explanation, bringing together some of the ceramic tile industry's biggest brands, brains, and purchasers. After two days and no doubt nothing short of 20,000 steps spent exploring the show—held this year in Orlando's Orange County Convention Center—we've put together five quick takeaways to keep remodelers ahead of tile's ever wobbling design curve.

BIOPHILIA EVERYTHING

The idea manifests in a variety of ways, but the big picture throughline is that manufacturers are responding to a demand for biophilic design—which for the uninitiated refers to humanity's innate desire to connect with nature. There is a resurgence of greens—hues from emerald to mint—all conjuring vague sensations of flora. Botanical tiles have become so popular that hardly a manufacturer at the show wasn't featuring at least one such print. Texture is becoming more refined in its mimicry of stone and wood—so much so that in some instances discerning the ceramic from the real material would be a challenge. And of course, those same stone and wood tiles are maintaining their surging popularity.

THE "CEMENT LOOK"

Cement has been a popular option for countertops in recent years—both for the look and the price tag—so it was no surprise to see a wave of new tile options bringing that look to the floor, in the form of classic, large format and the newly popular extra-large format tiles as well as outdoor pavers (another trend that's been steadily growing in popularity and options over the past few years). This is a case where again texture plays a key role in capturing the essence of the material, with added grip and mixed finishes often utilized to enhance the effect. Considering the prolific presence of new cement-styled tile at the show, remodelers may want to prepare themselves for more homeowners in the future requesting the "cement look."



CONSIDERING THE PROLIFIC PRESENCE OF NEW CEMENT-STYLED TILE AT THE SHOW, REMODELERS MAY WANT TO PREPARE THEMSELVES FOR MORE HOMEOWNERS IN THE FUTURE REQUESTING THE "CEMENT LOOK."

MIXING MATERIALS (KIND OF)

Ceramic tile is all ceramic, so saying mixed materials is a bit of a misnomer, but the concept of juxtaposing tile styles on the same surface—for instance, tiles with the look of wood meeting classic white porcelain tiles on the same floor in the same room—has caught on big this year. From a certain perspective, this may also fit into the biophilic category, as often the examples of this trend include a natural-looking finish set against a more manufactured-looking tile.

HEXAGONS ARE BACK (AND MAYBE TRIANGLES)

Don't call it a comeback—maybe more like a loop. Styles come and go and hexagons have returned, or so professes the tile world at large. From large format to "it fits in the palm of your hand," the options and styles for hexagon-shaped tiles (or "hexes" as they were referred to frequently throughout the show) were so vast it felt as though the style had never left. Perhaps before their time (or after their time, if style is indeed a loop) several manufacturers are also trying out other less typical (in this day and age) shapes, like triangles. The shape makes for interesting design options, but few manufacturers are offering triangles currently. Hexagons, though, were everywhere.

EXTRA-LARGE FORMAT TILES

If you look at large format tiles and think "this needs to be bigger," fret no longer—extra-large format tiles are here in a big way. The introduction of the extra-large format category feels almost predetermined; the popularity of large format tiles was so explosive. Manufacturers are in large numbers adopting the option into product lines, with dimensions typically reaching up to 64" x 127". The size, with limited grout joints, lends itself well to the practice of using tile as essentially wallpaper.

By James McClister, Managing Editor

JMCCLISTER@SGCMAIL.COM

LUMBER VOLATILITY ISSUES LINGER

NAHB CONTINUES TO WORK WITH INDUSTRY LEADERS AND POLICYMAKERS TO ADDRESS MATERIAL PRICES AND SUPPLY CHAIN ISSUES.

CHUCK FOWKE / NAHB CHAIRMAN



CHUCK FOWKE

AFTER DOMINATING THE NEWS CYCLE for the past year, record-high lumber prices have started to see a reprieve in recent weeks. But while prices have slipped about 40% from the all-time highs seen in May, as of July 1, they were still more than 160% higher than in July 2020. Other building materials like steel, concrete and gypsum have also risen exponentially over the past year and show no signs of easing.

Lumber prices decline

Economists at the National Association of Home Builders (NAHB) caution that while prices for lumber have dipped, it's still too early to celebrate. Last November lumber prices fell quickly off their summer peak only to abruptly reverse course, soaring to new heights. One factor in the recent decline is that demand has fallen to meet the sparse supply, instead of supply rising to meet demand.

NAHB has developed long and short-term strategies to address the lumber price crisis and other supply issues that have slowed home building and remodeling this past year. Targeted grassroots advocacy, focused communication with key stakeholders, ongoing economic research, and outreach to the Biden administration and Congress have all helped spotlight the issue.

But our work is far from over. The latest price index from the Bureau of Labor

Statistics showed prices for goods used in residential construction have increased 16.5% in the past 12 months and have declined just twice since December 2019. Prices paid for gypsum alone have increased 14.6% in a year.

Supply chain issues still abound

Material prices and availability, the cost of regulation, the shortage of construction labor and a limited supply of housing are all hurting housing affordability—a top priority for me as NAHB Chairman. NAHB will continue to pressure policymakers to improve supply chains for all building materials in order to protect housing affordability.

NAHB has been focused on this issue for almost a full year. We are the leader in educating the public and policymakers about how rising lumber and material prices are harming remodelers, homeowners, and national economic recovery. Thanks to NAHB's grassroots efforts, several House and Senate leaders have openly raised the issue of soaring lumber prices and housing affordability with Commerce Secretary Raimondo and U.S. Trade Representative Katherine Tai. We are awaiting word from Secretary Raimondo on a special summit to address the issue with stakeholders.

We simply won't let up until the material supply crisis is resolved.

Keep up with our latest efforts to address rising material costs, information on alternative building materials and methods, and ideas to help keep your business running smoothly at [nahb.org](https://www.nahb.org). 

ONE FACTOR IN THE RECENT PRICE DECLINE IS THAT DEMAND HAS FALLEN TO MEET SUPPLY, INSTEAD OF SUPPLY RISING TO MEET DEMAND.



Lumber prices have dipped in the past few months, but NAHB says that it may be too soon to celebrate.

JENNAIR®

BOUND BY NOTHING™



RISE™

DESIGN EXPRESSION

Forged in mixed metals, the RISE™ design expression features a diamond-etched handle, brushed brass inspired knob collars, a bold badge and geometric grates. Our bold strong postured collection in the Pro ModelRemodel home includes a 48" RISE™ Dual-Fuel Gas Professional-Style Range with Griddle, 36" French Door Freestanding Refrigerator, TriFecta™ Dishwasher, V2™ Vertical Dual-Fan Convection Smart Wall Oven, 30" Induction Flex Cooktop and 24" Under Counter Microwave Oven with Drawer Design.

The RISE™ design expression is a luxury suite designed to rule.

SCHEDULE A VIRTUAL APPOINTMENT AT JENNAIR.COM / VISIT FERGUSON SHOWROOMS

CIRCLE 758

CONTACT / MELINDA_R_GARVEY@JENNAIR.COM

BUILDING RESILIENCY

MODEL BUILDING CODE COULD AID REMODELERS AND HOME OWNERS IN FACE OF EXTREME WEATHER

NAHB STAFF

NOW THAT HURRICANE SEASON is officially upon us, this is a good time for remodelers to think about upgrades to make existing houses more resilient. Updated model building codes like the International Residential Code (IRC) are useful guides for remodelers to utilize.

User-friendly provisions

The IRC is a national model building code developed by the International Code Council (ICC) to address the design and construction of one- and two-family dwellings and townhouses not more than three stories above grade. It provides a user-friendly set of provisions that protect homeowners and tenants while preserving housing affordability.

When adopted at the state or local level,

UPGRADES AND UPDATES CAN SERVE A DUAL PURPOSE. FOR EXAMPLE, WINDOWS THAT ARE MORE RESILIENT TO EXTREME WEATHER ALSO TEND TO BE MORE ENERGY EFFICIENT.

the IRC requires all new single-family homes, duplexes and townhouses, to be able to withstand certain levels of damage, like that which can be incurred through exposure to high winds and heavy rainfall. Additions, significant alterations and repairs to existing homes also need to comply with the provisions outlined in the code. Further, the IRC specifically requires homes close to the Atlantic

Ocean or Gulf of Mexico be constructed to resist hurricane winds and coastal flooding.

Protection against severe weather

A 2018 Texas A&M study, commissioned by the National Association of Home Builders, found that newer homes, built to more recent versions of the IRC, performed better during severe weather events than older homes. Homes built within the past twenty years, and to more recent code versions, saw significantly less damage to wall and roof coverings as well as less window breakage.

For remodelers in areas that experience high winds from events like hurricanes or severe thunderstorms, there is evidence that retrofitting homes to the latest version of the IRC could keep more families safe.

Many of these upgrades can serve a dual purpose. For example, windows that are more resilient to extreme weather also tend to be more energy efficient. In the past year, as many homeowners have engaged in remodeling projects, they have expressed interest in upgrading their homes to be more “green.” This is an opportunity for remodelers to capitalize on this market trend.

For more information on the NAHB hurricane resilience study, visit [NAHB.org](https://www.nahb.org) and search “Damage Assessment from Hurricanes Harvey and Irma.” And to access the full suite of NAHB’s information on resilient construction, search “Building Resilience” on NAHB’s website.^[PDF]



NICOLA / STOCK.ADOBE.COM

Coastal cities are prone to extreme weather, but resiliency is important nationwide. In 2020, Eastern Iowa was devastated by a derecho.

OUR BOND IS OUR WORD

The right advice. The right solutions. The right sealants.



You're serious about your projects, and so are we. Titebond sealants offer the proven performance, respected advice, and trusted solutions you can rely on each and every time.

Titebond®

titebond.com | 1-800-347-4583

CIRCLE 759

HOW TO MAKE CUTTING CROWN EASIER

A SETUP TIP AND A JIG MAKE FOR MORE CONSISTENT, ERROR-FREE MITERS WHEN CUTTING CROWN ON A POWER MITER SAW.

BY SAL ALFANO

Before there were power saws, handsaws ruled. For trim work, carpenters built a wood miter box, which typically had three vertical kerfs, one for square cuts, and one each for angles of 45-degrees, left and right **1A**. To cut simple miters, the molding was placed flat on the bed of the box and the cut made using the appropriate kerf as a guide. To cut compound miters, such as those needed for crown molding, the molding was held, not flat, but at a precise angle against one side of the box. While many smaller molding profiles can be cut while being held against the near side of the miter box, most handsaws cut on the push stroke, so it's much easier to hold larger moldings firmly in place on the far side of the box while sawing. In this configuration, the bed of the miter box corresponds to the ceiling and the fence to the wall, which means that, from the point of view of the carpenter, the molding is upside down and backwards **2**.

Power miter saws made sawing easier, but with only one fence, the process of holding the molding upside down and backwards didn't change until compound miter saws (both sliding and fixed) appeared on the scene. With these tools, rotating the bed of the saw still set the miter angle, but now you could tilt the blade to the proper bevel angle, making it possible to cut crown molding by laying it flat (and "right-side up") on the saw table.

But there was a catch: In addition to

knowing the miter angle (45 degrees, for example, for a perfectly square corner), carpenters also needed to know the bevel angle of the blade. This angle changes for different crown molding profiles, and is based on the "spring angle"—the angle the crown molding makes against the wall. Although you can find many crown molding configurations, especially when matching older or custom moldings, the most commonly used crown moldings have spring angles of 38 or 45 (and occasionally 52) degrees **3**. (These are commonly listed in molding catalogs as 38/52, 45/45, and 52/38). Many compound miter saws now come with detents for common miter angles as well as special markings on the bevel gauge for common spring angles. Printed tables are also available online, as are several digital calculators, such as the "Crown Moulding Angle Generator," which takes user input for the spring angle and wall angles (from zero to 179.9 degrees) to calculate the miter and bevel angles for the saw blade.

If you have a compound miter saw, there are plenty of articles and videos to show you exactly how to go about cutting crown on the flat. But if all you have is a power miter or chop saw, you're essentially using a fancy one-sided miter box. That's why a page on ProTradeCraft.com with a video by Paul Ricalde entitled "Jig for Cutting Crown Molding Right-Side Up" caught my attention.

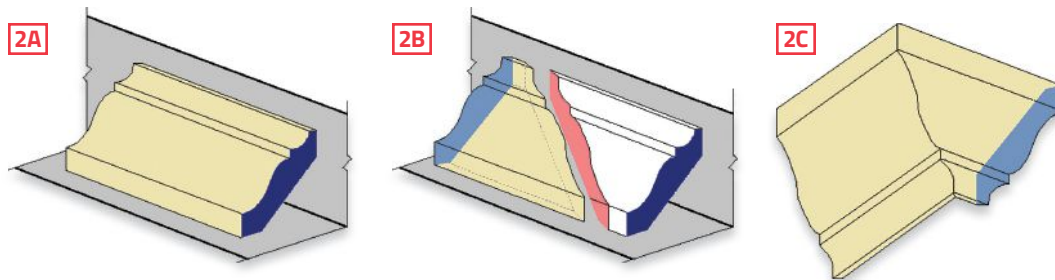


Before power tools, carpenters cut trim laid flat in a simple, homemade miter box with kerfs to guide square cuts and angles of 45-degrees left and right **1A**. To cut crown molding, however, the material had to be held at the angle at which it would be installed. The bed of the box corresponds to the ceiling, which means the molding has to be held upside down and backwards. To ensure the molding was held in the proper position while cutting, carpenters often made a separate miter box for each size of crown molding they used. Eventually manufacturers mass-produced manual miter boxes, such as these examples from Stanley **1B** & **1C**, which use pegs and a system of holes to hold crown moldings of different sizes in position for cutting.

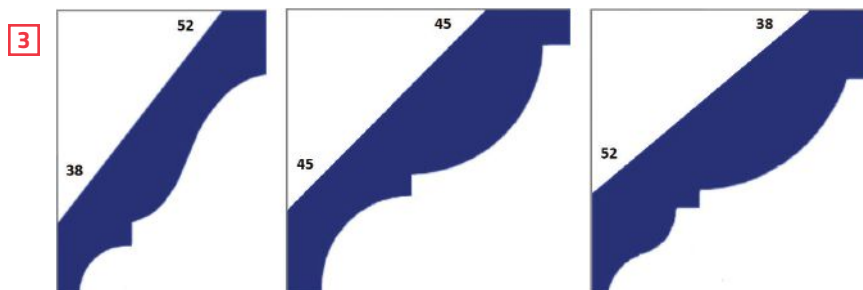
A couple of links in the article also led to a saw set-up video from Gary Katz. Both help with issues around holding the crown in position against the fence, and with keeping track of up, down, left, and right while making crown cuts.

Tips for Saw Setup

Katz (garymkatz.com) is a well-known trade author, finish carpentry specialist, and founder of the Katz Roadshow, a traveling clinic



To cut crown in a miter box, the molding is typically held upside down against the side or “fence” **2A**. With the saw blade perpendicular to the bed, a 45-degree cut made on the right side of the miter box **2B** creates a miter on the left end of the molding when it is installed **2C**.



To cut crown molding on the flat, you need to know the miter angle (45 degrees, for example, for an outside corner that’s perfectly square) as well as the bevel angle, which is based on the “spring angle”—the angle at which the molding sits against the wall. These examples of crown molding show the most commonly used spring angles (38, 45, and 52 degrees).



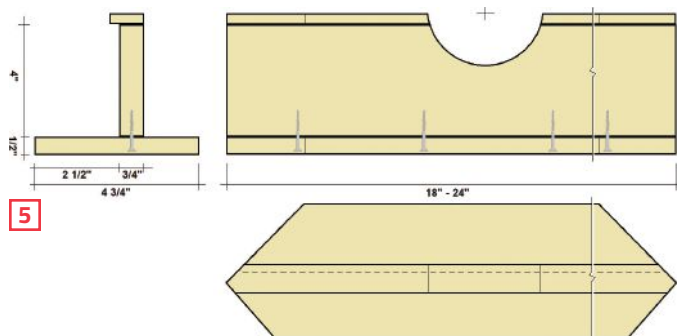
To make a “crown gauge,” Katz holds the crown molding upside down with the bevels on either edge perfectly flush against the fence and the bed, and takes a measurement **4A**. After ripping a short 1-by to that dimension (in this case, 3¾ inches), he places it flush against the fence **4B**, then butts a longer, wider “crown stop” firmly against it and clamps both ends to the extension wings of the saw **4C**. With the crown gauge removed (labeled and saved for future use with the same size crown), the crown stop will ensure precise, consistent positioning of the crown against the fence.

covering all aspects of residential carpentry. A link to another Katz site, *ThisIsCarpentry.com*, led me to a series on crown molding, including a video called “Installing Crown Molding: Saw Setup.” It’s well worth watching all 12 minutes, which include an explanation of what’s really going on when you turn the molding upside down, plus instructions for making a handy “crown holder” to help with installation. But I want to focus here on what Katz calls a “crown stop,” which he uses to

hold crown molding in a precise position against the fence of his miter saw.

Each spring angle holds the crown a specific distance from the wall, and, as Katz explains, when you flip crown molding upside down, this distance corresponds to the distance measured along the bed between the edge of the crown and the fence. With the saw blade set to vertical (no bevel), the key to making precise compound miter cuts is to hold successive pieces of crown molding exactly

the same distance away from the fence. To ensure this, Katz rips a short length of 1-by stock he calls a “crown gauge,” then uses it to position a continuous “crown stop” exactly parallel to the saw’s fence **4**. With the crown stop clamped to the full extension wings of his saw and the crown gauge removed, he can make repeated cuts on multiple pieces of crown with the certainty that they are all positioned against the fence at the proper angle.



Although Ricalde's plywood jig can accommodate small moldings, its dimensions are tailored to accommodate larger ones. Specifically, the height of the upright corresponds to the dimension of the wall leg of the installed molding (i.e., measured down the wall from the ceiling to the

bottom edge of the crown). The upright is offset, and the narrow cap overhangs on the wider side. The half-circle cutout makes it easier to hold the molding firmly against the jig.

Rightside-Up Jig

At last we get to the ProTradeCraft article that got me started down this road. It's based on an episode from Paul's Toolbox, the YouTube channel of New Orleans fireman and home improvement contractor Paul Ricalde, whose hands-on carpentry tips and tool reviews are aimed mostly at beginners, but are often useful for pros. At first glance, Ricalde's title for the video, "Cut Crown as Easy as Base Molding," would lead you to conclude that it's about cutting crown on the flat. It's not, which is why the ProTradeCraft title is "Jig for Cutting Crown Molding Right-Side Up." Even that is a bit misleading because the top side of the crown molding is still resting on the bed of the saw, but the jig creates a fence opposite the fence on the power saw (like the near side of a classic wood miter box), which means that when the user looks down at the piece being cut, the right side is on the right and the left side is on the left. *Looking down* at the molding on the saw is, in effect, just like *looking up* at the molding once it's on the ceiling.

Ricalde's jig is 18 to 24 inches long, made from finished plywood (I think Baltic birch would work well), 1/2-inch-thick for the base and 3/4-inch-thick for the upright **5**. The upright piece is 4 inches high, which is the exact dimension of the wall- or spring-angle-leg of the large crown molding that Ricalde is cutting in the video (measured from the corner of the ceiling down the wall

to the bottom edge of the crown molding). The upright sits slightly offset from the center of the base, which makes the jig reversible: the larger molding fits on the wider side, and smaller moldings can be cut on the narrower side. The thin cap along the top of the upright overhangs the wider side, and it's this cap that locks the large molding in position within the jig. The corners of the base are cut at 45-degree angles to keep them out of the way of the blade.

When in position for a cut, the molding is still upside down: the top edge is held tight into the corner where the saw fence meets the bed, and the bottom edge is tucked into the corner under the overhanging cap on the jig **6**. Although the molding is upside down, from the point of view of the carpenter looking down at the saw, the upright leg of the jig is the wall and the saw bed is the ceiling. That means a right outside corner miter is to the right, and a left outside corner miter is to the left. No mental gymnastics required.

For smaller moldings, Ricalde clamps a narrow strip along the short side of the jig at whatever height holds the molding flush to the jig and the saw bed. He tells us that he's also experimented with a version of the jig with slots in the upright leg that allow for an adjustable stop, but it's overly complicated, which is why he opted for this simpler version. But it does mean that larger moldings would need a dedicated jig. In fact,



To make a cut, the molding is held tight against the saw fence and the cap piece of the jig. The molding is still held upside down, but it isn't backwards. In other words, from the operator's point of view, a right outside corner miter is one the right **6A**, and a left outside corner is one the left **6B**.

if you were running a lot of smaller-sized crown, rather than fooling with clamps, I think it would make sense to build a separate jig for each size of crown molding you work with, much the way Katz labels and saves his gauge blocks for different size molding.

Earlier I mentioned that crown molding could be held upside down against the near side of the miter box, except that it's easier to hold larger moldings firmly while cutting with a tenon saw that cuts on the push stroke. A power miter saw eliminates the push-pull issue, and Ricalde's jig eliminates the mental gymnastics associated with holding the crown upside down to cut it.

So the good news is that you now have a couple of options for consistently positioning crown molding for cuts with a power miter saw. The bad news is that not many walls and ceilings are flat and even fewer "square" corners are actually 90 degrees, particularly in older homes. Solutions for those issues, such as coping inside corners, is a good topic ... for another day. **PRO**



**February 8-10
Orlando**



REGISTRATION OPENS SEPTEMBER 1

At the **2022 NAHB International Builders' Show®** (IBS), you'll be able to recharge your business with new product knowledge from leading manufacturers and suppliers, innovative construction demos, and learn the hottest trends from experts. The residential construction industry's premier event is also an exciting opportunity to reconnect with your peers in Orlando, Florida and make new business connections.

Don't miss your chance to save!

September-Only Discounts

	EXPO PASS	ALL ACCESS PASS*
NAHB MEMBER	FREE	\$350
NON-MEMBER	\$50	\$525

*\$100 savings, includes education

LEARN MORE | [BUILDERSSHOW.COM/SEPTEMBER](https://buildersshow.com/september)

#IBS2022   

SIMPLE WAYS TO SPRUCE UP THE HOME WITH STONE

Stone is a sought-after material for home exteriors and interiors, thanks to a rich, eye-catching look that's both beautiful and timeless. And Versetta Stone siding, with its panelized format, makes it easier than ever to add the beloved material nearly anywhere inside and outside the home.

Versetta Stone panels install easily with nails or screws—no mortar, scratch coat, or metal lath needed like traditional stone. The installation method is straight-

- Add a pop of color and texture: A bold hue like Versetta Stone's near-black Northern Ash can add a touch of drama to a neutral façade.
- Porch columns: Wrap the bottom of porch posts for an warm, welcoming boost.
- Mailbox: Wrap the mailbox post for a touch of literal curb appeal.
- Chimney: Versetta Stone makes it easy to create a stone chimney. It's tested for up to 30 feet, but may be able to be used for taller applications with review by a structural engineer.

INSPIRE THE INTERIOR

- Fireplace: The beauty of a stone fireplace is undeniable, but can be messy and a hassle to install, particularly in an existing home. Without the need for mortar, Versetta Stone makes it easier than ever to create that sophisticated look, whether through a simple surround or from floor to ceiling.
- Freestanding bar: Basement bars can feel a bit pedestrian. Add a professional touch by wrapping the bar in Versetta Stone panels.
- Bathroom wall: Elevate the master bathroom to spa status with the warmth of stone.
- Accent wall: Nothing adds a pop to a home office, living room, or bedroom like an accent wall. Instead of the once-trendy red wall, try adding stone for a fresh take.
- Kitchen backsplash: Tired of tile? Versetta Stone adds a unique twist to the kitchen backsplash. Try LedgeStone in Plum Creek for a traditional feel behind warm wood cabinets, Tight Cut in Northern Ash for a modern backdrop to an all-white kitchen, or blend whites with warm tones.

Ready to learn more about the possibilities of Versetta Stone? Check out product information, browse our Idea Gallery, and read our blog at www.versettastone.com.



forward and approachable for traditional contractors, and less mess means it's ideal for remodeling projects, especially when the home is occupied.

Available in three profiles—LedgeStone, a traditional dry-stack look; Tight-Cut, which features the look of cut-and-fitted stone; and modern Carved Block, offering the look of split-face stone—Versetta Stone is well suited to traditional, transitional, and contemporary styles.

Here are a few ways to elevate your home projects using Versetta Stone.

AMPLIFY THE EXTERIOR

- Stone half-wall: Exteriors with multiple textures are a must-have today, and adding a half wall of stone with Versetta Stone is an easy, stylish way to do so.
- Think beyond the deck: Easily add a stone accent wall behind or near the deck or add a stone surround to the grill area.

**VERSETTA
STONE®**

VERSETTASTONE.COM

We spent years developing
mortarless stone siding that
you can install in no time.

Fiber-reinforced concrete that
replicates the look and feel of stone.

Visit VERSETTASTONE.COM to find a dealer.

VERSETTA
STONE®

CIRCLE 761



BORAL
BUILDING PRODUCTS

BEAUTY & STRENGTH COME TOGETHER IN DALTILE'S 2CM PAVERS

“Outdoor living is currently a very hot design trend,” said Laura Grilli, lead product designer for Daltile. “Homeowners are spending more time eating, visiting, working, and relaxing outside when they are home. Consequently, more outdoor spaces are being created to serve as extensions of a home’s interior living spaces. Daltile’s TREAD program is a collection of stunning 2cm porcelain tile pavers that are beautiful and durable — perfect for gracious outdoor living!”

“Porcelain tile is well-suited for outdoor areas, due to the unsurpassed durability of the material and its inherent ability to withstand the harshest of conditions,” said Grilli. “With Daltile’s 2cm pavers, consumers enjoy the benefits of durable,

- UV resistant
- Stain resistant
- Fade resistant
- Scratch resistant
- Fire resistant
- Slip resistant
- Freeze/thaw resistant
- De-icing salt resistant

easy-to-maintain porcelain tile that far outperforms other outdoor materials:

“Our Daltile 2 cm porcelain pavers are a fun outdoor design component,” added Grilli. “I love these pavers, because you can so easily achieve the look that is popular right now where pavers are laid with grass or sand between them. In the past, really the only way you could achieve this look was by using big pieces of concrete as the pavers. Now with Daltile’s 2cm porcelain pavers, outdoor spaces can have the beautiful

look of limestone, for example. Additionally, the limestone look of your pavers can match the look of the same material around your pool, elevating the entire design of your outdoor space. In addition, most of our pavers have a coordinated standard floor tile for people who love the seamless outdoor/ indoor look.”

Daltile’s 2cm porcelain pavers are available in a variety of sizes and sophisticated designs: wood, stone, quartzite, terrazzo, agglomerated stone, slate, French limestone, and Belgian bluestone. Beautiful, durable, easy to maintain. Perfect for any outdoor living space.



 **daltile**[®]
DALTILE.COM



❶ PAVER FLOOR NOMINEE™ SAND NM10 ❷ FIREPLACE PANORAMIC PORCELAIN SURFACES™ OPAL TRAVERTINE CM84

TAKE IT OUTSIDE

From the rooftop or driveway to your outdoor kitchen and beyond – explore the most innovative, all-weather product solutions for superior performance and exceptional design to create the outdoor oasis of your dreams.

daltile.com/xteriors

FREE DESIGN SERVICES AVAILABLE!

TOP 100 PRODUCTS 2021

TOP
100
PRODUCTS

BY PROFESSIONAL REMODELER STAFF

Getting a leg up on the competition requires staying ahead of the curve, not only on best business practices, but also on top products. Each year, *Pro Remodeler's* editorial team tallies up reader engagement for the building materials, tools, fixtures, fittings, and finishes that have appeared in the magazine over the past 12 months. The items that garnered the most interest are awarded a spot on the highly competitive Top 100 list.

To make reading it more manageable, the products are grouped into categories. Reader service numbers included with each product write-up allow you to request info if you want to find out more.



1



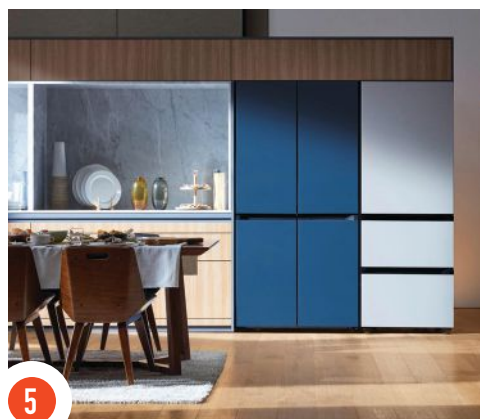
2



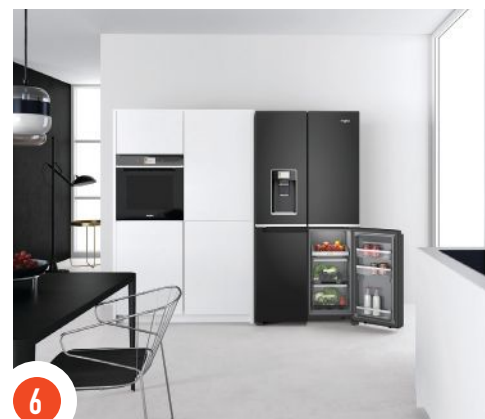
3



4



5



6

1 Big Chill's Retro Collection offers ranges with sleek vintage looks, but their functions are totally modern. The 36" range comes in pastels and bright colors and boasts authentic chrome trim and handle. Constructed of stainless steel, the range is equipped with an array of functionalities, including six burners, an automatic electronic ignition and re-ignition system, and an oven burner rating of 30,000 BTU. Its 24" depth makes it compatible with standard kitchen cabinetry. **CIRCLE 800**

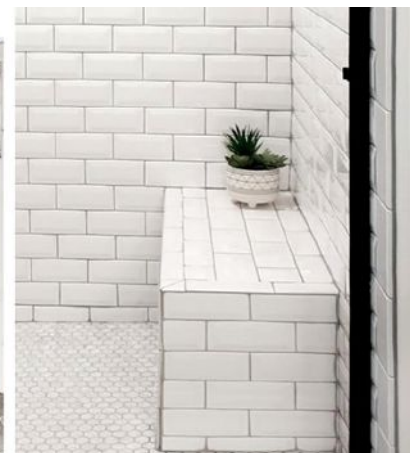
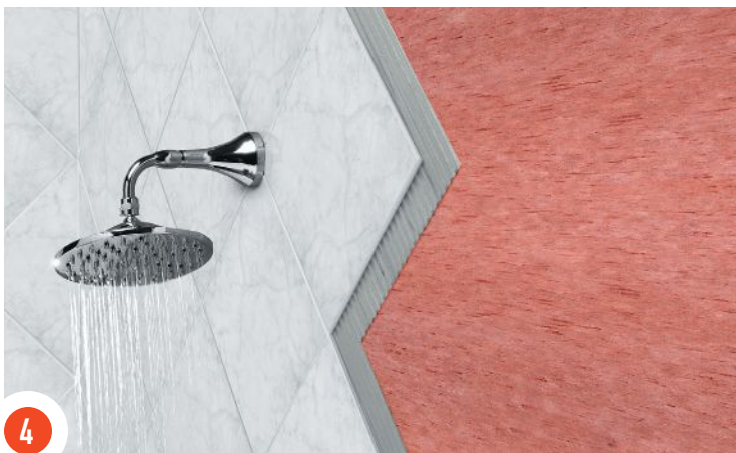
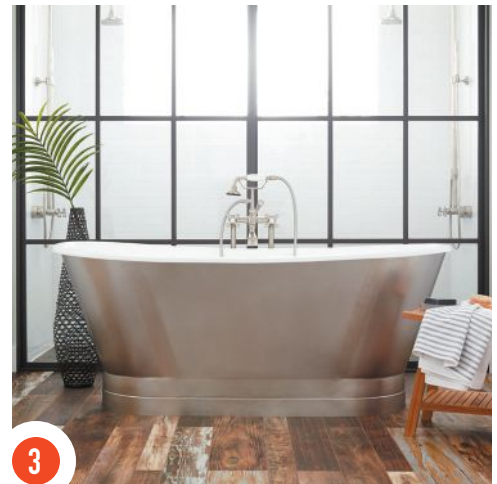
2 The Bosch 500 Series 24" washer and dryer are a compact duo that can be installed side by side or stacked almost anywhere in the home. The dryer sports heat pump technology and a patented, self-cleaning condenser. This efficient, ventless laundry innovation reduces energy usage by approximately 50% and eliminates the need to clean and maintain the condenser, according to the company. **CIRCLE 801**

3 Available in an updated, platinum Modern Glass finish, GE's Cafe Modern Glass Quad Door Refrigerator is the perfect statement piece. The fridge's interior is illuminated by an LED light panel with a geometric-patterned overlay inspired by Art Deco design. The temperature can be set to Freezer, Wine or Refrigerator. This quad door model fits a standard 70" cabinet cut-out. **CIRCLE 802**

4 Plum launched Plum Integrated, which fits its wine dispenser into custom cabinetry. The dispenser makes it easy to chill, serve, and preserve up to two standard 750 ml bottles of wine at a time. Without the integration kit, the appliance sits on a counter like a Keurig for wine, but with the kit, the unit achieves a look similar to built-in microwaves or beverage centers. Plum says the 24-inch trim will install flush with a kitchen's custom cabinetry with black or stainless steel finish. **CIRCLE 803**

5 Samsung Electronics Co. Ltd. has unveiled home appliances that blend modern design with innovative technologies. For example, the BESPOKE refrigerator (shown) establishes a new category of customized appliances. Through the creative use of materials and colors, homeowners can customize their kitchens. Case in point: This refrigerator's functions can be customized with the Flex Zone, a compartment that can become either a fridge or a freezer. **CIRCLE 804**

6 As part of the Whirlpool W Collection Black Fiber Suite of premium appliances, the 4-Door Fridge Freezer model offers exceptional capacity and versatility, according to the company. Besides internet connectivity, its multi-temperature compartment can be converted from freezer to fridge with more than six preset temperature options. Touch zones allow homeowners to open the doors and choose selections of crushed ice, ice cubes or water. **CIRCLE 805**



1 American Standard's Spectra+ eTouch 4-Function showerhead features a touch-control that allows homeowners to switch between different spray patterns (Drench, Sensitive, Jet, and Massage) by touching anywhere on the showerhead's outer ring. In addition to the touch control on the showerhead itself, a convenient wall-mounted remote can be placed anywhere in the shower for an additional point of control. **CIRCLE 806**

2 Kohler's Moxie Showerhead + Wireless Speaker is a wall-mount, magnetic showerhead with full-coverage spray and a fully waterproof speaker. With Bluetooth wireless technology or a built-in Amazon Alexa, the speaker can pair with compatible devices to stream music, podcasts or other audio content. Homeowners can choose between

two sound settings: shower and normal. The showerhead is available in three colors and two pressures. **CIRCLE 807**

3 Styled after the French bateau, the Rowley Cast Iron Bateau Tub by Signature Hardware features a brushed stainless steel skirt with a white-porcelain enamel interior. The cast iron tub measures 68" length by 26" width by 28" height and has no faucet drillings. Water capacity is 32 gallons, and the tub has an overflow hole to avoid filling over 13 inches. The porcelain enamel surface is fused to the cast iron, creating a heat- and scratch-resistant, glass-like surface. **CIRCLE 808**

4 The James Hardie HardieBacker Cement Board with HydroDefense Technology provides strength, ease of use, and excellent

tile adhesion. The HydroDefense adds a waterproof composition throughout the board, protecting tile installations in kitchens and bathrooms. Remodelers can save time by skipping the step of applying waterproof coating across the entire board surface area. Instead, they can focus waterproofing on the joints and fasteners. **CIRCLE 809**

5 QuickDrain USA has released a custom-izable shower bench made out of 100-percent-recycled plastic designed to reduce installation time and material costs, according to the manufacturer. Each 2-inch-thick panel is sourced from up to 400 recycled plastic bottles. The ADA-compliant bench comes in three configurations: rectangle, corner (triangular), and custom. There are no mechanical fasteners or anchors required for installation. **CIRCLE 810**

Don't be **AFRAID** of the **DARK**

WHEN IT COMES TO SIDING COLORS



Pro contractors can spec ProVia's dark siding colors without worrying about fading. Our Super Polymer vinyl siding formula contains heat-resistant pigments, anti-weathering materials, and UV blockers to protect against color fade and damage from extreme

temperatures. These ingredients permeate the entire siding panel, not just the surface. **The result is bold, fade-resistant color**, tested and certified by the Vinyl Siding Institute and backed by our Lifetime Limited Warranty.

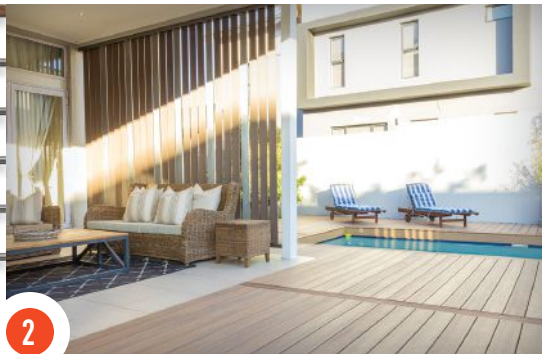
To learn more and find your ProVia distributor, visit provia.com/colorkeeper



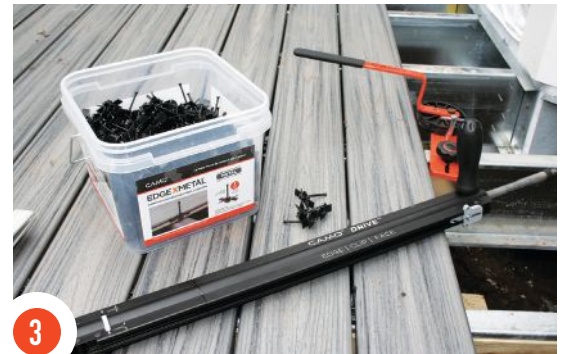
DOORS | WINDOWS
SIDING | STONE | ROOFING



1



2



3



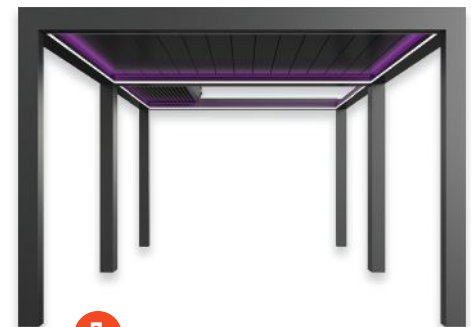
4



5



6



7

1 **AGS Stainless'** Cascadia is a stainless-steel-bar railing system that remodelers can install with minimal modifications at a price point closer to the aluminum options. Before, remodelers often had to hire a local metal fabricator to offer a quality steel railing, but this system is pulled from a dealer's inventory and can be installed in one day. The railing components are made of marine-grade stainless steel. **CIRCLE 811**

2 **Fortress Building Products** uses a proprietary tri-extrusion process to create APEX decking, a UV-, fade-, and moisture-resistant PVC-composite with the look of tropical hardwoods. Foam-core boards are reinforced with co-extruded, bamboo-plastic. The company says the board shapes will remain consistent and expand and contract 25% less than other PVC boards. **CIRCLE 812**

3 The **Camo Edgexmetal Clips** are one-pass fasteners similar to Camo's clips for wood, but for metal framing. Edgexmetal features a drill-point screw that engages in under two seconds. Clips fasten to any grooved deck board including composite, capped

composite, PVC, and hardwood on a metal substructure. The wings fit into the board's groove, securing it before fastening, and the 304 Stainless Steel gusset holds the boards down, reducing lateral movement. **CIRCLE 813**

4 **Cortex for Fascia by Fastenmaster** is a hidden fastener that accounts for board movement in fascia boards. The system resists stripping and features a stability button that keeps the fastener straight through installation. Remodelers can purchase Cortex for Fascia as a 50-lineal-foot kit with 100 1 3/4" screws, 105 plugs, one counterbore tool and 1 setting tool. **CIRCLE 814**

5 **Fiberon's Deck Visualizer** allows users to create a deck from scratch or choose from an assortment of pre-built decks that can be customized to fit the needs of the project. The optimized user experience includes a new Time of Day feature that can be adjusted to showcase what the deck will look like in all levels of sunlight. Users can also choose from several landscapes including beach, mountain, valley and more. Once the deck design is complete, a 3D rendering is

produced along with a bill of materials for reference. Projects can be saved to view later or share via email. **CIRCLE 815**

6 **Deckorators** has introduced Deckorators Trailhead, an entry-level, low-maintenance wood-plastic composite decking for 2021. The price of the 7/8-inch-by-5 1/2-inch Trailhead boards is in an expected \$2-per-lineal-foot range (USD), and the boards come in three colors Ridgeline (gray), Pathway (brown) and Canyon (red-brown) with natural, flat-grain embossing. Solid or grooved-edge Trailhead boards in 12-, 16- and 20-foot sizes are available. **CIRCLE 816**

7 **SunTech** released what it claims is the world's longest fully-retractable bioclimatic system, Exxen. The high-end, fully retractable pergola features sun, wind, and rain sensors that help redefine the outdoors. The modular system is custom-built to be adapted to various types of large application areas such as terraces or balconies and is customizable with lighting, insulation, and edge-covering options. It can be installed freestanding or wall-mounted. **CIRCLE 817**

THE SPEED YOU NEED TO CRUSH THE CLOCK



LEAVE THE COMPETITION IN THE DUST

The speed to tackle more in a day – if you can keep up. For 30-minute posts and same-day slabs, choose Sakrete Fast Setting Concrete Mix. Faster set. Less prep. More jobs. Easy choice.

Get Fast Setting – and get on to what's next.

See the proof at
SakreteFast.com

CIRCLE 764



1



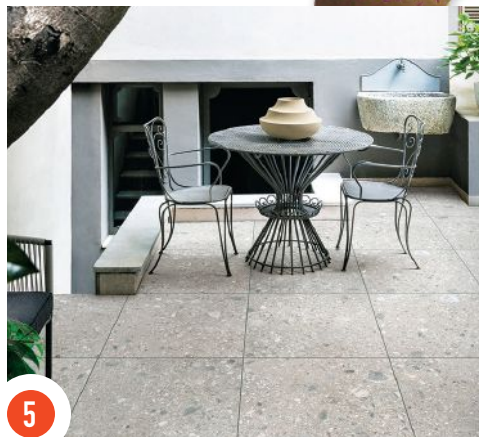
2



3



4



5



6

1 Alside's Ascend, a composite cladding system, is available in 20 fade-resistant colors, combines beauty, simple installation and low installation costs to create value for builders, installers and remodelers. Glass fibers add strength while the composite materials produce a lightweight for simple installation. The cladding requires no sealing, touch-up paint, joint flashing or caulking. **CIRCLE 818**

2 Benjamin Obdyke has combined its HydroGap drainable housewrap and an air-sealing adhesive backing with the introduction of HydroGap SA, a self-adhered drainable weather-resistive barrier (WRB). Suitable for all climates, the UV-resistant HydroGap SA features 100% continuous acrylic adhesive, providing sealing around cladding fasteners. HydroGap SA can be installed in temperatures as low as 25 degrees Fahrenheit without primer and boasts a 96% drain efficiency. **CIRCLE 819**

3 Barricade Thermo-Brace S.I.B., a 4-in-1 reversible structural insulative sheathing, has an energy-efficient insulative barrier composed of BASF Neopor GPS insulative foam. The panels offer a tight, secure install for those who rely on lightweight, high-performance material. With Safe-Reflective Facer (WRB), the Thermo-Brace S.I.B. avoids overheating vinyl. Sheathing comes in three standard sizes and custom options. **CIRCLE 820**

4 An affordable alternative to cedar shakes, the **Beach House Shake** is a polymer shake approved by Florida's Miami-Dade County for High-Velocity Hurricane Zones. The shakes come in lightweight panels, making installation fast and easy, as opposed to nailing in individual cedar shingles that can split and require ongoing care. Because the Beach House Shake is moisture resistant, it will not split, fade or crack when exposed to harsh climates. **CIRCLE 821**

5 Daltile's Tread line features 2cm outdoor porcelain pavers in wood, quartzite, assorted stone, slate, French limestone and Belgian bluestone looks. These pavers resist stains, fading, scratches, fire and slips. The line consists of six collections: Assemble, a contemporary stone-look paver (shown) and Commissary, a natural wood-look paver, plus existing porcelain pavers that are now part of the Tread line: Ambassador, Diplomacy, Delegate and Dignitary. **CIRCLE 822**

6 TandoStone is a composite stone that is an affordable alternative to natural stone. Fit for extreme weather, TandoStone products resist moisture, insects, decay, and rot, while standing up to salt spray, storms, humidity, snow, and sun. Despite the easy install, TandoStone has a realistic, gritty texture suitable for foundation walls and accent details. With a lightweight design, a single contractor can install it. **CIRCLE 823**



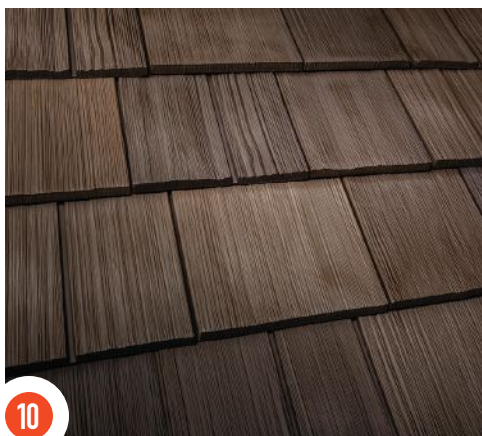
7



8



9



10



11



12

7 JH Wall Paints has released a toxin-free, handmade lime wash that can add character to both interior and exterior remodels. What sets JH Wall Paints apart from the others is its natural, zero-VOC formula. JH uses natural earth powder pigments that result in a matte finish that is fade, peel, and crack resistant. Over time, the paint will develop a soft patina. Lime Wall Paint can last for over 10 years without a refresh. There are 65 colors available. **CIRCLE 824**

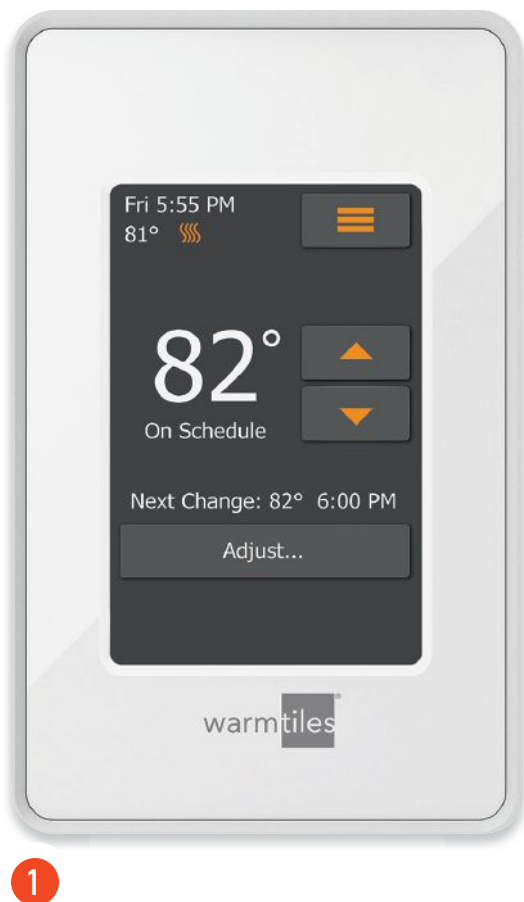
8 The LP WeatherLogic Air & Water Barrier is now an APA Structural I Rated wall and roof sheathing. Installed with AAMA 711-13 approved acrylic seam and flashing tape, LP WeatherLogic Air & Water Barrier can be used with LP WeatherLogic Water Screen, which drains water from between cladding and water-resistive barriers. The LP WeatherLogic water-resistant sheathing has been rigorously tested and passes widely recognized tests for durability. **CIRCLE 825**

9 Owens Corning chose its TruDefinition Duration shingle in aged copper as its 2021 Shingle Color of the Year. By blending orange, sage, and brown, the company designed the shingle to combine minimalist shades and stronger hues for a warm, balanced look. Real copper granules are mixed in to provide algae resistance for 10 years, and the company certifies the Duration shingles to withstand up to 130 mph winds. **CIRCLE 826**

10 The fourth shake profile available from DaVinci Roofscapes, Select Shake, has the genuine look of a real cedar shake. Available in eight- and 10-inch widths, each DaVinci Select Shake tile is 22-inches long and $\frac{5}{8}$ of an inch thick. The 10-inch wide pieces have a simulated keyway to give the appearance of four- and six-inch width shakes placed together. The unique tile design allows for fast installation. **CIRCLE 827**

11 With Valspar's Metal Building Roof & Siding Finish, remodelers can restore old, weathered metal siding and roofs. Remodelers can paint the finish directly on the metal or use a primer on top of corroded metals. The water-reducible acrylic formula dries within 30-60 minutes to a long-lasting, durable, fade and chalk resistant semi-gloss finish that protects against rust. Valspar recommends two coats. **CIRCLE 828**

12 The mortarless Versetta Stone LedgeStone Style panels offer a traditional, dry-stack appearance with an easy installation with screws or nails. Its staggered layers and rough-cut appearance balance other exterior materials in the remodel including brick, stucco and wood. Besides reducing installer fatigue, the lightweight panels also provide durability and can withstand extreme weather. Panels come in six colors, including Northern Ash, a trendy dark gray. **CIRCLE 829**



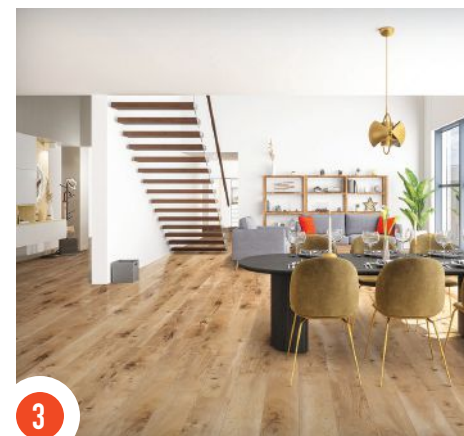
1

1 Emerson's new thermostat provides remote control of floor-warming systems from mobile devices. The Warm Tiles ColorTouch Wi-Fi-enabled thermostats come in two models: the ESW ColorTouch wireless thermostat and the standard ES ColorTouch thermostat. Both monitor and regulate Warm Tiles DFT, DMC, SAM and WTE floor warming systems, as well as 120/240V systems from other leading manufacturers. The thermostats work with flooring material including ceramic and porcelain tiles, marble, granite, stone, laminate or LVT tiles. **CIRCLE 830**

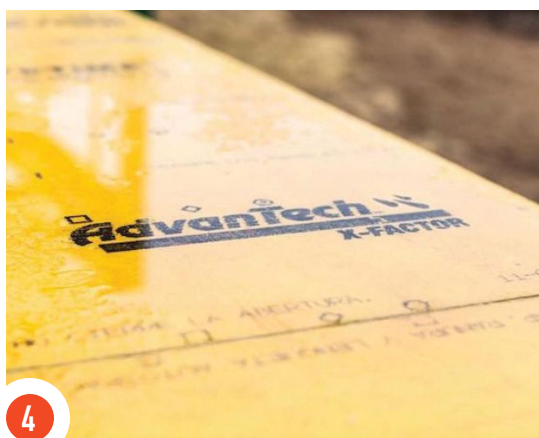
2 AHF Products introduces its waterproof, 100% hardwood flooring product from Bruce. Hydropel is engineered hardwood that's infused with proprietary technology to resist water for up to 36 hours. It can be installed in bathrooms, kitchens, mudrooms, entryways and more. Easy to install, it comes in an array of design options and is available



2



3

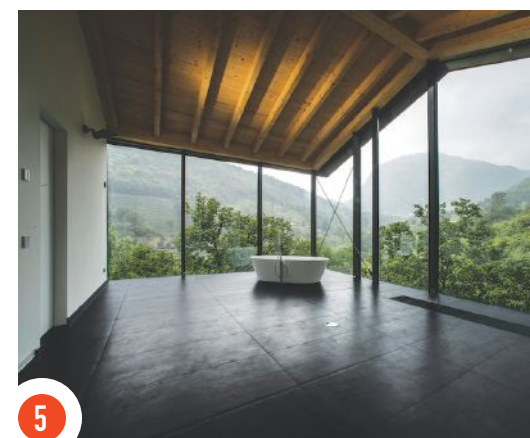


4

in oak and hickory, in smooth, scraped and brushed textures. Its low-gloss finish is available in 5" planks up to 48" long. **CIRCLE 831**

3 Cali Brands' "Longboards" Luxury Vinyl Collection features a longer, broader and a more authentic hardwood look than ever. The coastal-inspired flooring sports extra-large dimensions with planks measuring 70-7/8" long by 9" wide. Longboards are 100% waterproof and can be installed in kitchens, bathrooms and below grade. The extra-durable construction makes for easy cleaning and includes a 20-mil-thick scratch-resistant wear layer for high-traffic. **CIRCLE 832**

4 New in 2021, Huber's AdvanTech X-Factor is a premium subflooring that features a built-in, water-shedding barrier that delivers jobsite durability against harsh weather. It also provides a smooth, easy-to-clean surface that the company



5

says works for written jobsite communications. Designed to replace plywood and standard OSB subflooring, the 4' by 8' boards resist discoloration, flaking or delamination and come with an enhanced tongue and groove profile for proper spacing and easy installation under carpet, ceramic, and hardwood. **CIRCLE 833**

5 With the Diffuse radiant flooring system by Nesite, homeowners can enjoy a toasty floor shoe-free while potentially reducing electricity bills. The system's true pièce de résistance, however, is that it is the first raised, radiant floor that pros can install without cement screed, leaving it accessible for future maintenance. Diffuse features modular, removable finishing panels that can be removed and repositioned. Pros can choose from ceramic, natural marble, natural granite, natural parquet, carpet, linoleum, vinyl, and plastic laminate panels. **CIRCLE 834**



6 Produced in Nashville, Tenn, **MagikFlame** electric fireplace inserts offer 30 different videos of preset fires that homeowners can choose for different effects ranging from dying embers to a roaring fire. Homeowners can control the settings on the insert's touchscreen or via smartphone. The electric fireplace can also serve as supplemental heat for a room up to 1,000 sq ft. The black metal insert measures 28-by-30-by-12 inches and retails for \$2,995. Each MagikFlame product comes with lifetime access to system updates so homeowners can receive up-to-date technology and new presets. **CIRCLE 835**

7 **Mannington** has added to its Restoration Collection of laminate flooring, including the Anthology pattern. Anthology combines the look of White Oak, Hickory and Maple to create a rich, dramatic aesthetic. The company's first laminate flooring pattern to feature 20 unique plank visuals, Anthology also

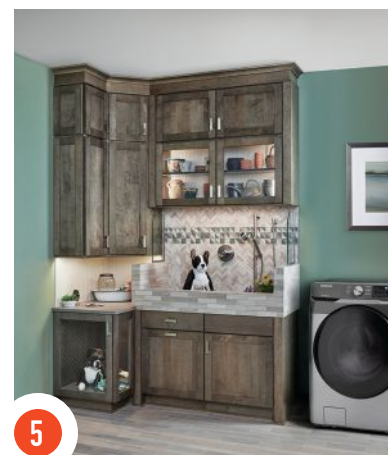
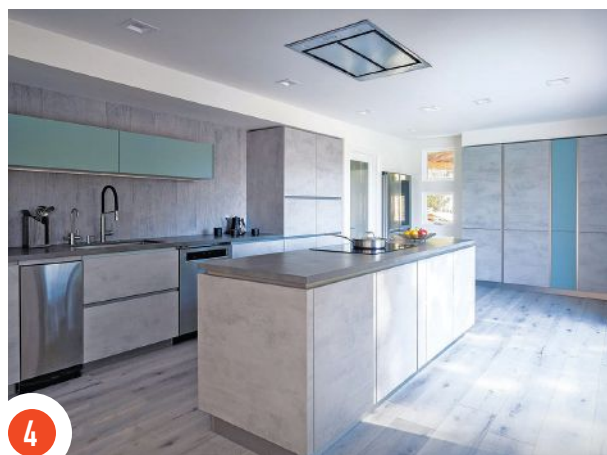
showcases the firm's updated SpillShield Plus Waterproof technology, which is perfect for homes with children and pets. Anthology comes in five colors: Parchment (shown), Ink, Tannin, Suede and Quill. **CIRCLE 836**

8 **Sherwin-Williams** has released two new products: SuperPaint with Sanitizing Technology and SuperPaint with Air Purifying Technology. The air-purifying option can eliminate odors, while the sanitizing paint is EPA-registered to kill specific bacteria such as E. coli and MRSA on its painted surfaces. These new products align with the company's focus on health and wellness, including the new Living Well collection featuring eleven new color palettes. **CIRCLE 837**

9 Available in five widths, the Touchstone **SideLine Elite Smart Electric Fireplace** adds style to any room as **Touchstone Home Products'** most popular electric fireplace. No chimney, gas line or venting is

needed as remodelers can simply plug in or hardwire. The fireplace features 60 beautiful flame color combos, and the heater can be adjusted by remote control, mobile app, Amazon Alexa or Google Home. All the Touchstone fireplaces are 110/120V, with a max draw of 12 amps. **CIRCLE 838**

10 **Viewrail's** Vedera glass railing integrates low-iron glass directly with the stair treads using hidden fasteners. Rather than terminate the glass railing above the top of the treads, Vedera continues below the bottom edge of the tread for increased safety and security. Remodelers can add a round or square stainless steel or wood cap rail to match the treads, which come in an array of 15 wood species and any color stain. Each Viewrail **FLIGHT** system is available in straight, 90-degree or switchback configurations and is custom-engineered for each installation. The mild-steel stringer comes in eleven colors. **CIRCLE 839**



1 Element Designs' custom aluminum frame glass cabinet doors offer a contemporary feel for residential and commercial interiors. Made to customers' specs, the doors include functional and decorative hardware borings. The aluminum frames' various finishes provide many design possibilities when combined with the company's glass, 3form and custom insert options. No minimum quantity for ordering and a quick lead time make these cabinet doors ideal for remodeling and new construction projects. (Photo courtesy Top Notch Cabinets) **CIRCLE 840**

2 For homeowners needing help with overflowing drawers, there's the Maxx Drawer System by Rev-A-Shelf. Developed in collaboration with Cabinetworks Group, it maximizes a drawer's available space. The maple-tiered MAXX Drawer with BluMotion Soft-Close is designed for face frame 24" BCD. Easy to install, it sports five compartments, eight

short dividers, five long dividers and 26 clips. It mounts to the cabinet drawer front, rear and sidewalls. **CIRCLE 841**

3 The 2021 color collection from Danver Stainless Outdoor Kitchens, Brown Jordan Outdoor Kitchens and Trex Outdoor Kitchens introduces 13 powder-coated cabinetry hues. It signals growing demand for eye-catching, bold color use in outdoor living spaces. This brings their collective color offerings to 59 finishes. New colors added to the Essentials Collection, available across all three brands, include six Brights, ranging from Autumn (yellow) to Chili (reds), and three neutrals. **CIRCLE 842**

4 FORM Kitchens, an online kitchen design studio offering made-to-order German cabinetry, officially launched in the U.S. at the beginning of 2021. The firm says its prices are comparable to big-box stores,

and thousands of design, customization and storage options are available. Cabinetry arrives pre-assembled and comes with a 25-year warranty. Customers can work directly with their existing contractors; installation support is available if a question arises during setup. **CIRCLE 843**

5 Wellborn Cabinet's Shaker Style Hanover Door in the new Ash Stain is designed to meet a family's many needs, seen here in a Farmhouse Chic mudroom. The shown mudroom is combined with gardening/potting, laundry and pet areas. The cabinetry includes a three-tiered spice rack used as a multipurpose organizer; a three-tiered rotating shelf; cabinets and drawers featuring lighting inside and underneath; and LED strip lighting above the pet wash/potting area. An under-sink caddy pullout holds cleaning/potting supplies while the pet-feeding center contains food/accessories. **CIRCLE 844**

WOMEN IN RESIDENTIAL CONSTRUCTION

PROBUILDER
PROFESSIONAL BUILDER

PROREMODELER
PROFESSIONAL REMODELER

CUSTOM BUILDER

TRANSFORMATION:
THE GROWING ROLE OF
WOMEN IN CONSTRUCTION

SAVE THE DATE!

OCTOBER 27-29, 2021
LOEWS CORONADO BAY RESORT, SAN DIEGO

THE PREMIER EVENT FOR WOMEN IN THE BUILDING INDUSTRY.

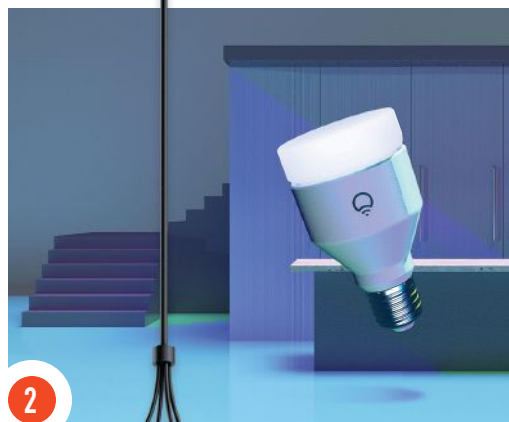
The conference offers inspiring industry speakers, creative, interactive workshops, and networking receptions geared toward building relationships. Connect with other women in residential construction who are meeting challenges and achieving success!

PBPRwomen.com





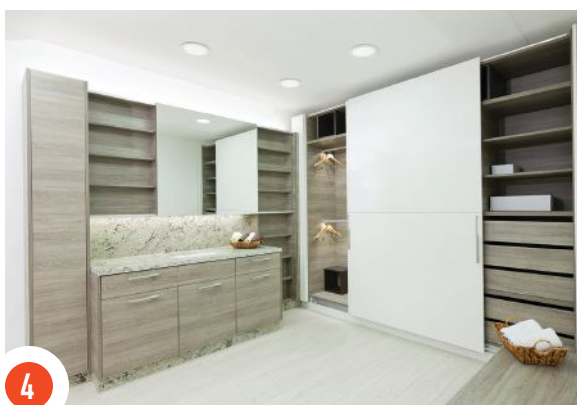
1



2



3



4



5



6

1 The new Diesel Living with Lodes collection is the result of an exclusive global licensing agreement signed in 2021, bringing together Italian decorative lighting company **Lodes** and the international lifestyle brand **Diesel**. This collaboration offers a versatile selection of lighting pieces for residential spaces. The collection offers three introductions – Vinyl (shown), Flask and Urban Concrete – and five updated best-sellers: Cage, Fork, Mask, Glass Drop and Pipe. **CIRCLE 845**

2 **LIFX** has launched what it calls the first antibacterial, germicidal smart light. LIFX Clean works as a regular white + color smart light, but it also has a disinfectant mode, which uses dedicated 405nm HEV light LEDs with germicidal properties. Its disinfect settings are: “Minimize” to reduce bacterial growth in an open space; “Timed” to kill bacteria on a targeted surface over several hours; “Focused” to kill bacteria in a specific area in a short period. **CIRCLE 846**

3 **Lutron Electronics** has added the Outdoor Smart Plug to its Caséta Smart Lighting Control System. With the free Lutron app, homeowners can control landscape and string lighting, holiday lights, some motors and pumps, and more. The Outdoor Smart Plug is IP-65 rated with solid core construction to protect its inner electronics against dust, rain and severe weather. Control options also include voice command using Amazon Alexa, Apple HomeKit, Google Assistant and Ring video doorbells and cameras. **CIRCLE 847**

4 **Nora Lighting** has expanded its ELO LED Surface-Mount Series: The new ELO+ model features an integral magnet for decorative rings in black, brushed nickel, chrome and matte powder-white finishes; five dedicated color temperature options; and 90+ CRI. The ELO and ELO+ are 1/2” thick; come in 6”, 8” and 11” sizes; and have a standard white finish. The ELO series is Energy Star certified and cETLus listed for damp locations. **CIRCLE 848**

5 **Kichler’s** ceiling light, the Ciri 34.75” Large LED Pendant with Black Finish, provides a soft-modern take on a classic cage-pendant. It comes with four stems: two 6” stems and two 12” stems so owners can customize the length of the fixture to create their own look. The contemporary Ciri Collection features circles of LED lights hidden within the fixtures. Dimmable and energy-efficient, the pendant can complement mid-century, retro, urban and modern styles. **CIRCLE 849**

6 With **Leviton’s** new second-generation Decora Smart Voice Dimmer with Amazon Alexa, homeowners can control their lighting systems via voice control. The Wi-Fi-enabled device can also stream music, news updates, and more. With reduced depth, the dimmers are easy to install as replacements for standard light switches and dimmers. Decora Smart Wi-Fi 2nd Gen supports hard-wired and wireless multi-location control options. No additional device is needed for operation. **CIRCLE 850**

SOFTPLAN

ARCHITECTURAL DESIGN SOFTWARE

"... you guys got this right, the program is awesome...
SoftPlan is the best and I have used them all..."
Andrew Bozeman, Montgomery, AL



design | 3D | materials lists

subscribe to SoftPlan **\$95** /month



remodel

SoftPlan remodel
kitchens | baths | additions | \$985

free trial: www.softplan.com or 1-800-248-0164

CIRCLE 766

HUSQVARNA AUTOMOWER®

OFFER A DREAM LAWN TO GO WITH THEIR DREAM HOME.



HUSQVARNA AUTOMOWER® – A SMART HOME SOLUTION FOR ALL YOUR BUILDING PROJECTS.

Attract potential buyers by upgrading their new home with smart innovations from Husqvarna. Give them the perfect lawn 24/7 and their weekends back with an Automower® robotic mower when they purchase a new home.

Learn more at HUSQVARNA.COM



**WORLD LEADER
IN ROBOTIC MOWING**

SINCE 1995 OVER 1.5 MILLION SOLD

Connect with HusqvarnaUSA



© 2021 Husqvarna AB. All rights reserved.



CIRCLE 767



1 With the new Local Mode for Flo by Moen Smart Water Shutoff, contractors can protect against leaks in an ongoing project without WiFi and while they are offsite. By connecting to the home's main water line, the Smart Water Shutoff analyzes the pressure and flow rate within the home's water supply system to detect leaks or pipe bursts. If the Smart Water Shutoff detects a leak in the home's main water line, it will automatically shut off the water to prevent water damage. In Local Mode, the device only needs pressurized pipes and AC power to function 24/7, according to the manufacturer. The system can also include Flo by Moen Smart Water Detectors, 3.5" sensors that can be placed in areas of the home such as the basement that are susceptible to water damage. The battery-operated sensors can help identify when and where water is leaking. **CIRCLE 851**

2 Cosmos Healthy Home System by Panasonic is the first connected healthy home system that helps remodelers address homeowners' biggest concern: their family's health. The system intelligently monitors

indoor air quality around the clock and manages four harmful indoor toxins such as volatile organic compounds, fine particulate matter, carbon dioxide, and humidity. If unhealthy or contaminated air is detected, sensors automatically activate the system to return air to healthy levels. Cosmos is the only system that effectively combines all of the home's ventilation fans, including the range hood to form one complete IAQ system. It works automatically and discreetly to remove contaminated air and moisture from a home, filter recirculated air, and draw in fresh, filtered air from outside. **CIRCLE 852**

3 Bauco's customizable access panels are flush to the wall with no visible hardware or hinges. Instead, they open with a mechanical touch-latch. The system also features a safety wire on the panels to keep them from falling during installation. The panels can come in custom sizes, with some large enough that a whole air conditioning unit is accessible. The insert panels come like blank canvases and can look like whatever surrounds them. You remove the inner leaf,

add the substrate, sand it down, and then custom finish it to match the surrounding area onsite. **CIRCLE 853**

4 Air King's Energy Star certified deluxe quiet exhaust fan solutions provide quiet ventilation solutions for a home's bathroom, laundry room, or other areas needing powerful, energy-efficient and effective ventilation. The fan's round duct connector with damper protects against backdrafts, and models with an integrated humidistat sense the humidity level of the room and automatically turn on the fan to maintain the preferred relative humidity. **CIRCLE 854**

5 SANICOM 1 is a product ideal for the toughest wastewater pumping installations, according to Saniflo. It can resist water temperatures up to 194°F and is specially designed to withstand liquids with highly acidic properties, such as wastewater from processing applications. The powerful, 1-horsepower motor and a non-clogging impeller design allow the unit to pass laundry lint and other small solids up to 3/8" in diameter. **CIRCLE 855**

Do it right.

Start every job with ZipWall®.

- Sets up in just a few minutes – brings in business for years
- No ladders, no tape, no damage

See how easy it is at zipwall.com.

CIRCLE 768

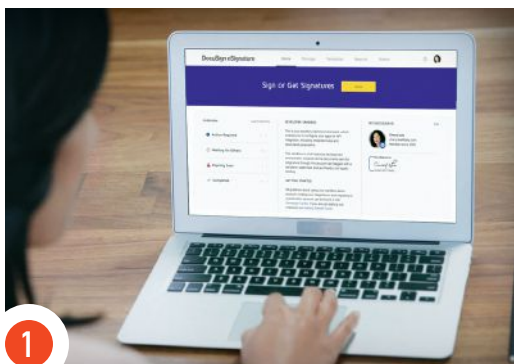


Extreme versatility. Exceptional value.

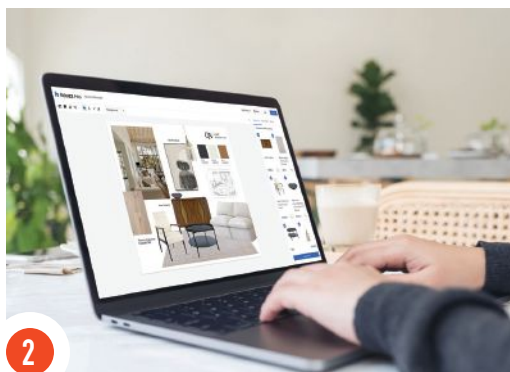
Amazingly versatile and simple to install, the Sierra Series Linear Electric Fireplace goes virtually anywhere, adding ambiance and supplement heat to any project. Choose from built-in, wall-mount and table top installations and incorporate a fireplace into any space – the Sierra fireplace simply plugs into a standard 120V outlet. Customers will enjoy flame and color options, cool-touch glass and the flame-only setting for four-season ambiance.

		
Plugs into standard 120V outlet	48, 60 and 72-inch lengths	Heats up to 1,000 sq. ft., plus flame only setting

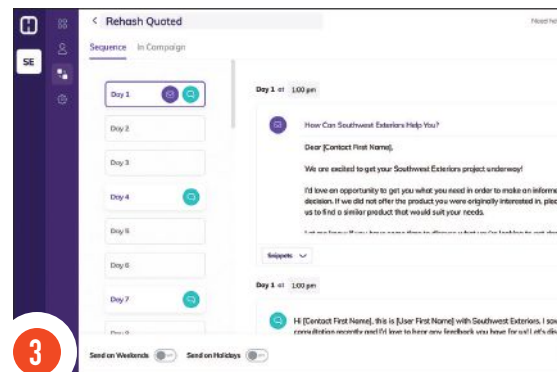
Dimplex®



1



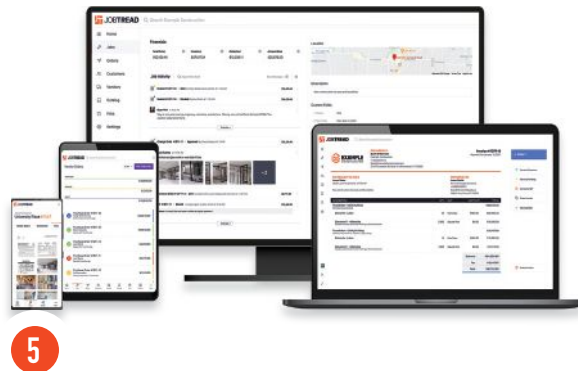
2



3



4



5



6

1 Adobe DocuSign eSignature is a virtual tool for obtaining a client's signature on a proposal, design agreement, or addendum. The document is sent via email to the clients, with an indication of where to electronically sign. The document automatically updates in the cloud and is pushed to the next person. Once all parties sign, Adobe sends out an executive document to everyone. It's primarily a sales tool for contracts, but designers can use it for documenting design plans and cabinet runs. **CIRCLE 856**

2 The Houzz Pro 3D Floor Planner and Mood Board tools help designers, builders, and remodelers share their vision and align with clients on key project decisions early in the process. With the Floor Planner, pros can create 3D interior schematics. Mood Boards showcase a project's look through products, colors, and inspiration photos. It helps clients understand how products and colors will come together. **CIRCLE 857**

3 Made specifically for the home improvement space, Hatch's Rehash tool is a

messaging platform that targets potential clients who have previously received a sales demo, canceled a meeting, or visited the website but didn't purchase service. Rehash interacts with compatible CRM systems and builds daily text message campaigns based on set criteria. **CIRCLE 858**

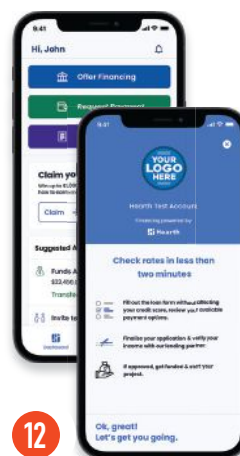
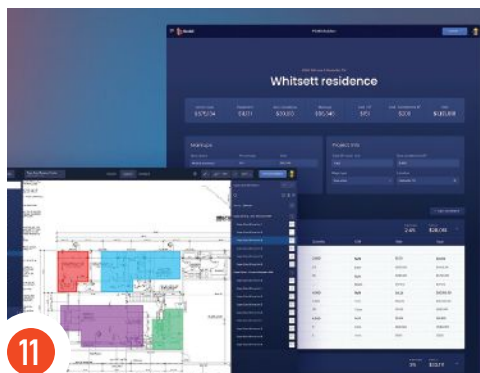
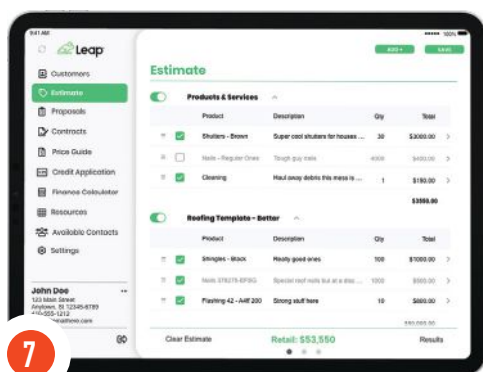
4 The Ingage Suite helps a company's sales team close more deals with powerful presentations. Users easily build interactive sales presentations with their text, images, and videos that are viewable from any mobile device. They can quickly create a new presentation or import an existing file (making edits-on-the-go possible) as well as track and manage sales materials using built-in analytics, and more. **CIRCLE 859**

5 JobTread's new, easy-to-use software for the construction industry helps builders, remodelers, and contractors manage all their business processes, from pre-construction to project completion. The easy-to-use platform creates a central location to manage jobs, teams, documents, photos,

finances, customers, vendors, subcontractors, and more. Its budget-first approach is designed to create financial transparency at every project stage, mitigating risk and ensuring projects stay on time and on budget. **CIRCLE 860**

6 Surefire Local's update to its mobile app for iOS and Android provides small business owners with a cost-effective, easy-to-use tool to manage their digital and traditional marketing efforts. It helps control and strengthen all facets of lead generation and reputation management. With real-time insights into company performance, owners can quickly respond to a new lead, send a review request, post a reply to a review, and more. **CIRCLE 861**

7 Earlier this year, Leap gave an exclusive sneak peek for the Pro Remodeler community: the next version of the Leap Platform. Leap is a subscription-based software that home service contractors use to digitize their businesses, including digital contracts, estimates, documents, financing, and more. Integrating with top



home-improvement software, Leap eliminates redundancies and errors that slow down a company's sales process and brings everything together in one place. **CIRCLE 862**

8 Designers can use **Revit** to communicate plans to clients by generating exterior and interior views from various directions. Giving 3D properties and characteristics to anything from partitions to windows to furniture is a powerful tool in making productive and quick decisions that not only save time but can help provide savings during construction. **CIRCLE 863**

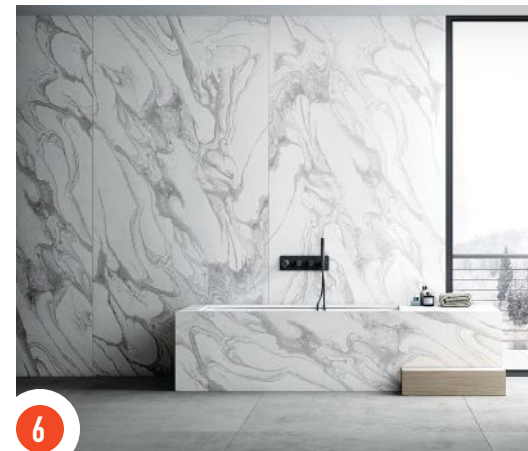
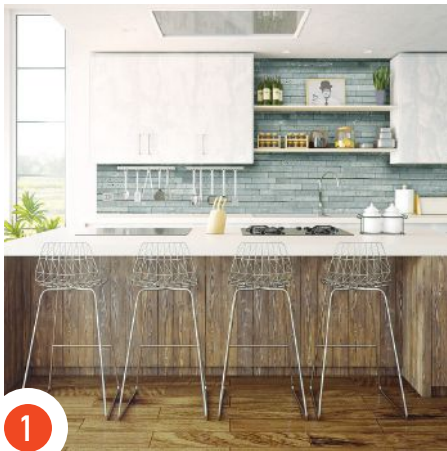
9 **MarketSharp** is a CRM that documents the customer journey. It offers templates for email and text communication that businesses can customize to fit their needs, and client communications are automatically sent when scheduled through action-based triggers in the system. Team members can use MarketSharp on a tablet or phone to pull up appointment info, pictures, contracts, measurements, costs, and more. MarketSharp also has a support team and online chat. **CIRCLE 864**

10 With **Breezy**, an in-house hiring platform, companies can avoid paying a high recruiter fee. Instead, companies pay a software fee. Once an account is set up, there are roughly four stages to using Breezy. First, a company will create a job description. Then, it will create the position in Breezy and assign hiring managers, who are the team members that will receive notifications. After this, companies can select where you will advertise such as LinkedIn and ZipRecruiter. Finally, candidates start moving through a customizable funnel that keeps track of the hiring process via an internal scorecard. **CIRCLE 865**

11 **1build** is an on-demand cost estimating service that creates accurate cost estimates for contractors so they can win more bids and grow their businesses. Estimators manage the process on a remodeler's behalf, keeping prices consistent with the rates of local suppliers, fluctuating material prices, and unpredictable labor rates. 1build's estimates account for every nut, bolt, and screw in your project plans so you'll never miss the scope. **CIRCLE 866**

12 Created specifically for the home improvement industry, **Hearth's** flagship financing product enables its customer base of contractors to quote projects as monthly payments in real time instead of one lump cost, which the company says removes financial barriers for many homeowners facing renovation or repair costs. Contractors can also use the platform to send digital invoices, collect payments, and obtain general liability and workers' compensation insurance. **CIRCLE 867**

13 A comprehensive sales, marketing, and business software solution, **improveit360** is built exclusively for remodelers and contractors to help businesses run better. The system streamlines lead management, sales meeting scheduling, emails, quotes, jobs, and gives a complete 360° view of everything. Access improveit360 anywhere with mobile access from a laptop, smartphone or tablet. There's no software to buy, no hardware to add, and users can additionally take advantage of success coaching, training, and business advice. **CIRCLE 868**



1 North Carolina startup **bioMASON** uses a bacterium to grow masonry products for installation in commercial and residential structures. BioMASON's bioLITH product, which includes four tile sizes in two colors, is a product remodelers could buy today and install tomorrow. The material's created by combining microorganisms with waste aggregate, which is pressed and cured into tiles. **CIRCLE 869**

2 Unveiled in 2021, the Apex Stoneware Collection from **Made By Ann Sacks** features five geometric patterns in 14 gloss and matte shades. The raised patterns create a three-dimensional effect that's heightened through the interactive glazes. The five patterns are Rainier Triangle (shown), Paulina Diamond, Shasta Double Hexagon, Sierra Hexagon and Trillium Square. With multiple color choices, it's easy to find the perfect hue for any indoor room. **CIRCLE 870**

3 With many designers keying into a trend for dark interiors, including kitchens and bathrooms, **Caesarstone** designers looked for inspiration in many places, including desert landscapes. Noting that such spaces sported natural stones that are scorched by day and frozen by night, producing some eye-catching patinas and textures, the designers came up with the Dark Series. It includes, Piatto Black, Oxidian, Black Tempal and Empira Black (shown), which is an interpretation of dark marble. **CIRCLE 871**

4 **Emser Tile's** 2021 Trends Guide is a 72-page guide that features the company's newest design collections, such as Passion glazed porcelain wall tiles to complement any decor. The 3x8" tiles come in six hues, including Azul (shown), and offer benefits for residential and commercial settings, including durability, hypoallergenic characteristics, resistance to moisture and bacteria, and easy

maintenance and cleaning. Company offerings include an extensive line of ceramic, porcelain, and natural stone products. **CIRCLE 872**

5 The **Walker Zanger Studio Collection** was inspired by the need for affordable luxury and fine design. It features a line of ceramic, glass, natural stone and porcelain tile to appeal to a new wave of homeowners and designers seeking the same authenticity and quality in all of the company's collections, yet will be readily available to consumers with shortened lead times. (Shown: Midnight Bevel ceramic tile.) **CIRCLE 873**

6 **Dekton Slim** is the ultra-thin surface from **Cosentino**. At 4mm in large format, it offers unlimited design options, per the company. This durable, scratch-resistant surface covering can be used on walls and bathroom and kitchen furniture such as tables, cabinet doors, drawers. Slabs up



to 126-by-56" can be cut to size. Available colors: Liquid Sky (shown), Liquid Shell, Liquid Embers and Helena Stonika xgloss collection. **CIRCLE 874**

7 Kirei has launched New Horizons, a customizable collection of five EchoPanel acoustic products, in the North American market. Providing noise-management solutions that support healthier indoor environments, the collection includes EchoTile Ascent, EchoEdge, EchoLine45, EchoLine Subway and EchoEmboss. Homeowners seeking quieter office spaces and overall less noisy abodes may well find EchoTile Ascent (shown) to be the solution. The EchoPanel line includes tiles, wall panels, ceiling systems and partitions. **CIRCLE 875**

8 The 2021 **Formica** Specialty Collection offers patterns and surfaces for an alternative to exotic woods. Sixteen new

offerings range from neutral colors to Scandinavian-inspired light tones. Surfacing choices include casual, unique patterns as well as familiar woodgrains in oak, elm, cherry, ash and walnut shades. **CIRCLE 876**

9 **Crossville Inc.** has launched its In-Side porcelain tile panel collection, which mimics the look of Pietra Del Cordoso, a deep-blue gray sandstone. The collection is available in two color variations, each coming in matte or flamed finishes: Pietra-Di-Cardoso Grigio, a luxe gray tone (shown), and Pietra-Di-Cardoso Nero, a nuanced black. Panels are in 1mx3m sheets with Laminam 5.6mm thickness, suitable for interior wall and floor applications in residential and commercial settings. **CIRCLE 877**

10 New designs on wall panels and kitchen board backsplashes now are available from **Fibo**. The offerings include

antibacterial laminate and Subway Tile design for the U.S. market. The design 4091M70 White Slate (shown) and 4091KM70 (kitchen board/backsplash) are a popular design for use in bathrooms and kitchens requiring a high-quality, durable wall solution, according to the company. The panels are available in the following sizes: 24x24" and 24x96". **CIRCLE 878**

11 Italian surfaces manufacturer **Casalgrande Padana** says that its Bios Self-Cleaning cladding breaks up the organic substances and pollutants stuck to the materials surface when triggered by light. Thanks to titanium dioxide (TiO2), water easily rolls off the surface, further removing loose particulates. Casalgrande Padana's Bios Antibacterial tiles and cladding have antibacterial qualities as well as TiO2 naturally eliminates four of the most common strains of harmful bacteria. **CIRCLE 879**



1



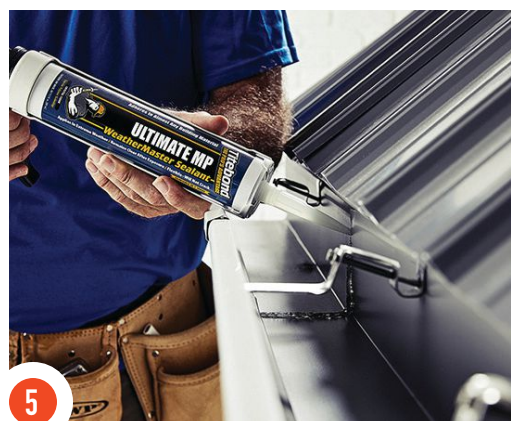
2



3



4



5



6

1 The **BuildClean** HEPA air scrubber is a two-part air filtration system. The coarse pre-filter traps the bigger things you can see, and a HEPA filters out everything you can't. The scrubber has an auto setting that will turn the unit on when needed. Dust in the work space is drawn into the unit and vented out of the house, preventing it from migrating to other rooms or into forced air systems.

CIRCLE 880

2 **EazyHang** is a cabinet installation system built to save time and hang cabinets level every time. Because it's a cleat system, remodelers can cut the rail to fit. Once the rail system is in place, remodelers can mount the brackets on the back of the cabinet and you lift it up, slide it against the rail, and wait to hear it click in place. You can mount the system flush so you can get it almost all the way to the ceiling, or you can install it in the back where you can install a crown to hide it. CIRCLE 881

3 **Custom Building Products** has introduced eight grout colors: Steel Blue (shown), Arctic White, Cool White, Coffee Bean, Brown Velvet, Ash, Warm Gray and Shadow. Custom's grouts come in 40 hues, so users can handle everything from tile patterns to natural stone installations. The company also enhanced its Polyblend grout, and the result is Polyblend Plus, which has brighter, enhanced color and is more efflorescence resistant without compromising durability. CIRCLE 882

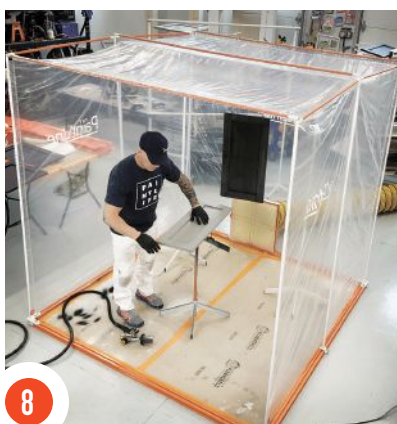
4 The EZ-Click MOLLE Panel by **Pelican** is the only quick-release MOLLE mounting system that can withstand temperatures from 0 °F to 140 °F. The panel is made to fit into the inside of the container's lid, allowing pros to secure the tools they need to the lid organizer's grid and then lock it into place. With the quick-release design, users can easily remove the panel and reorganize the lid without the hassle of extra tools. CIRCLE 883

5 **Titebond Construction Adhesives'** **WeatherMaster Ultimate MP Sealant** offers high-performance characteristics of other WeatherMaster sealants plus the value and convenience of a multipurpose product. It seals windows and doors; metal and vinyl siding; offers waterproofing and general roofing applications; works on vents, gutters, exterior applications and more. Available in 18 colors, including translucent. Its low VOC content meets LEED, NAHB, CARB and Green Globes building standards. CIRCLE 884

6 With the free **Canvas** app by **Occipital**, remodelers can quickly take room measurements and create CAD-ready, 3D files compatible with programs such as Revit, SketchUp, and Chief Architect. The 3D files are only accessible through payment, which is determined by square footage. The scanner app utilizes the LiDAR sensor inside a smartphone's camera to measure depth. While image-based measuring is up to 95% accurate, LiDAR-based scans are



7



8



9



10



11



12

accurate up to 99%. **CIRCLE 885**

7 Mapei Group's Ultracolor Plus Max grout offers two additional shades: Pure White and Jet Black. Suitable for grouting tile and stone joint widths from 1/16" to 3/4". Such fine-sand aggregate means there's no scratching of delicate tiles and stones. This grout features DropEffect technology, which reduces surface absorption to help repel water, dirt and grime from penetrating grout joints. Meets or exceeds ANSI A118.7 for high-performance cement grouts. **CIRCLE 886**

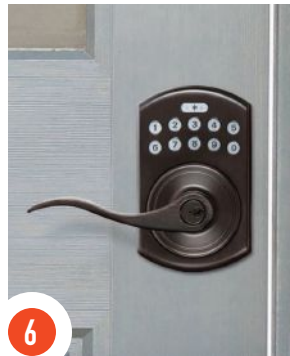
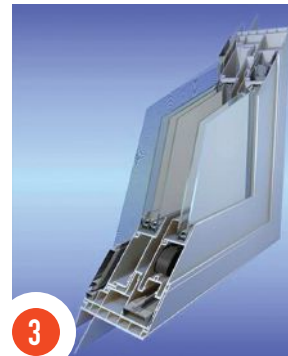
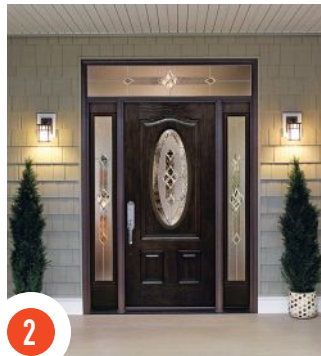
8 The Portable Jobsite Spray Booth (PJSB) by PaintLine is an in-shop painting, refinishing, and processing solution that allows pros to finish projects onsite. Pros can use the PJSB for on-site spraying, finishing, and processing work like sanding, routing, or tile cutting. The booth features a collapsible aluminum extrusion frame and support poles. One person can assemble the PJSB in about 15 minutes with no tools. **CIRCLE 887**

9 These revolutionary patches are DAP's fastest, strongest and thinnest drywall repair solution and make completing repairs so simple, anyone can complete a mess-free repair in minutes instead of hours or days. Developed to solve the most frequent drywall repair frustrations faced by both pros and DIYers, Eclipse is a specially formulated all-in-one drywall repair solution that requires no spackling, sanding or additional tools for a completely mess-free repair. **CIRCLE 888**

10 Designed for basement applications, Form-A-Drain Plus is a 3-in-1 foundation solution that forms footings, provides an integrated drainage system and can be easily adapted to vent radon where needed. Unlike standard wood forms, the lineals stay in place permanently after the concrete pour. Rigid PVC construction minimizes the possibility of a collapsed or crushed drainage system. The company claims that its system saves contractors time as installation can be done in one day. **CIRCLE 889**

11 Create a dust barrier in minutes with the ZipWall Dust Barrier PassThrough. Easily pass a duct hose up to 14" in diameter through a ZipWall dust barrier. The PassThrough mounts onto any ZipWall pole to support the weight of a duct hose while maintaining the integrity of the barrier. A nylon fabric sleeve seals around the hose with a quick cinch. When the hose is removed, the sleeve can be cinched closed for a complete seal. **CIRCLE 890**

12 Bostik's VCT-Lock tile adhesive is approved for use over "cutback" stain, is solvent-free and dries translucent. Tiles can be laid into the adhesive for an extended period of time after drying. VCT-Lock is highly water resistant when dry. It contains an advanced antimicrobial system to protect the adhesive from bacteria and fungus. It may be used with most manufacturers' vinyl composition tiles. Designed for interior installations only. **CIRCLE 891**



1 **LaCantina** has created a new class of multislide doors that combines the superior performance and aesthetics of a high-end lift & slide door system with the easy functionality and value of a multi slide. Folding, sliding, and swing systems provide a perfect match for a complete door package. With a LaCantina wall system, remodelers can recreate seamless open spaces with the most innovative and comprehensive range of large opening door systems for enhanced indoor-outdoor living. **CIRCLE 892**

2 **ProVia**'s decorative glass doors come in 23 designs, making a distinctive entryway possible for a variety of home styles. The glass' individual looks incorporate aesthetic "imperfections" that mimic the vintage hand-made sheet glass. And the ComforTech Warm Edge Glazing System improves energy efficiency. All decorative glass is available in Impact Shield form for added protection. (Shown: Eclipse model) **CIRCLE 893**

3 The **REHAU** System 2150 sliding patio door is made to provide excellent operation and thermal efficiency for residential and light commercial projects. The 4-9/16

inch frame features an installation-friendly accessory groove and integral J-channel. It can fill larger openings than the typical builder-grade residential door. **CIRCLE 894**

4 In collaboration with **RemoteLock**, **Schlage** offers the Encode Smart WiFi Deadbolt. It enables builders, real estate agents and sales representatives to manage, show and sell properties remotely. This smart deadbolt also lets contractors, cleaners and other crews access the site without exchanging keys. Schlage is a brand of Allegion, a provider of door hardware. **CIRCLE 895**

5 The A-Series patio doors by **Andersen Windows & Doors** offer a twist on privacy: Blinds-between-the-glass are available on the series' gliding and hinged in-swing and out-swing doors. Panes of insulated glass keep the cordless blinds safe from dust and damage. Comes in slate gray or white; can be ordered with any finish offered on this door series. **CIRCLE 896**

6 **Delaney Hardware** has expanded its portfolio of luxe entry, interior and barn door

hardware. The seven designs and finishes range from contemporary to farmhouse style. Design styles include matte black and satin brass finishes; contemporary square pocket locks; an interconnected deadbolt with a Vida Lever; Tulina Lever with square backplate, and more. (Shown: LP250 Digital Lock with Logan Lever). **CIRCLE 897**

7 **Endura** by **FusionFrame** is a door frame that's also a door installation system with jamb, mull, and casing options. A built-in bubble level assists remodelers with installation. Rot-, insect- and weather-resistant, Endura features an engineered wood core that resists sagging and bowing. **CIRCLE 898**

8 With demand for wood replacement windows rising, **Jeld-Wen** offers the Siltline Pocket and Sash Pack option for homeowners. This series works for replacement, remodel, and new construction markets. It includes double-hung pocket, casement pocket, and sash pack windows and can be used to replace any comparable wood window. Its simple design substantially reduces installation errors, according to the company. **CIRCLE 899** 

Want to target your marketing efforts and **grow your business?**

The **NAHB Remodeling Expenditures by ZIP Code** is a critical analysis tool to help you evaluate where marketing resources need to be allocated.

Learn More
nahb.org/localremodels



NAHB Remodelers



RMPR0821

WE'RE MORE THAN HOMES

We're your neighbors.

Sure, we're dedicated to building communities — but we're also a part of them. Alongside you, we're committed to enriching the towns and cities we live in.

Become a member!

nahb.org/join



MBPR0821
CIRCLE 770

DISCOVER DECKORATORS® TRAILHEAD DECKING — BEAUTY, STRENGTH AND VALUE

The latest wood-plastic composite (WPC) decking from Deckorators: Trailhead. This new line of decking offers durability and strength, paired with refined characteristics similar to real wood. Each board features embossing akin to traditional lumber grain and natural undertones, providing a unique character unlike other composite decking.

The allure of entry-level pricing doesn't mean you or your clients have to compromise on quality.

Trailhead provides a scratch-resistant polyethylene cap on three sides, entirely through the groove. Each deck will be protected from everyday wear and tear for years to come.

Offered in three lengths and in both solid and grooved profiles, you can install however you'd like. Featuring the industry's best warranty, your deck will be covered with our 25-year structural, 25-year stain & fade and 25-year limited removal & replacement warranty.

With three colors to choose from, you're sure to find a Trailhead Decking color to match the personal style of any homeowner. Mix and match with any of our railing options, post caps and lighting accessories to complete the look.



Trailhead Decking in Pathway: a natural, timeless look for your outdoor living space



Offered in three colors: Canyon (left), Ridgeline (center) and Pathway (right)

Deckorators®
Go Beyond Ordinary

DECKORATORS.COM

ADVENTURE AWAITS

DecXorators®

Pathway

Ridgeline

Canyon

Meet Trailhead Decking

- 📍 Durable cap through the groove
- 📍 Compatible with Deckorators Pro Plug® Fasteners
- 📍 25-Year Removal and Replacement Warranty

Learn more at [Deckorators.com/Trailhead](https://www.deckorators.com/trailhead)

DecXorators®
Go Beyond Ordinary



CIRCLE 771

FUNCTIONAL FARMHOUSE CHIC



Now more than ever, homeowners are looking for ways to utilize the rooms in their homes in multiple ways. In this space, the designer has taken a mudroom and combined it with a gardening/potting area, pet room, and a laundry area. From a starter home for younger people to Baby Boomers looking to consolidate, this room provides chic sophistication and is fully functional. Made in the USA, Wellborn Cabinet's Shaker style Hanover door in Maple is finished in our new Ash stain that shows the detail of the wood grain while featuring a mid-tone trending gray. This design works well for multiple demographics. It suits active lifestyles as well as those who are settling into retirement.

Keeping your pet happy and healthy promotes a healthy life for you as well. Knowing that everything you need is right at your fingertips for virtually any hobby you may enjoy is a bonus for this beautiful room.



WELLBORN
CABINET®

WELLBORN.COM

Like a Boss

WELLBORN

CABINET®



Create a workspace that makes working from home something to celebrate! Wellborn Cabinet's Aspire Full-Access Frameless Cabinetry in Matte Super White makes for the perfect home office at the 2020 New American Remodel - sleek, stylish, and free of any distractions. Get this look or find more inspiration at www.wellborn.com today!

800.762.4475 | wellborn.com



TNAR
NAHB The New American
Remodel

2021 Participant

CIRCLE 772



RULES FOR FLEXIBLE DUCTS

USING FLEXIBLE DUCTS SAVES TIME, BUT CARELESS INSTALLATION CAN CAUSE PERFORMANCE-RELATED PROBLEMS THAT ARE HARD TO FIND AND EVEN HARDER TO FIX AFTER THE DRYWALL GOES UP

BY PRO REMODELER STAFF



On most projects, HVAC ductwork is located in designated chases that maximize the efficiency of the airflow. But the path for the final branch of the ductwork tree—the one that runs from the trunk or plenum to the outlet register—is typically chosen by the subcontractor. Often, they find themselves competing to find space to run the ducts among all the wiring and piping already installed by the electrical and plumbing trades.

Flexible ducts can speed installation by reducing the number of joints in a run and eliminating the need for elbows and offsets. They also easily conform to oval as well as round connectors. But the physical properties of flexible ducts that create advantages



PHOTOS: COURTESY U.S. DEPT. OF ENERGY; ILLUSTRATIONS: AIR DIFFUSION COUNCIL, "FLEXIBLE DUCT PERFORMANCE & INSTALLATION STANDARDS," 5TH EDITION

are also the source of potential problems if care isn't taken during installation. A good first step, of course, is to make sure there is effective communication among all the parties involved, including designers, framers, and HVAC, plumbing, and electrical tradespeople.

But it doesn't hurt to have visual aids when discussing, monitoring, or inspecting the work. The details presented here were captured from the U.S. Department of Energy's Building America videos and cover the fundamentals of flexible duct design and installation. A lot of what you'll find here is common sense, but don't let that fool you. Airflow is more complicated than it seems, and carelessness or disregard for these best practices can really come back to bite you.

SEAL THE DUCTS WITH MASTIC

All ducts should be sealed using UL-181-rated duct mastic **1**, and flexible ducts should be held in place with tie wraps at all connectors. Ideally, all ducts should be located within the conditioned space. This is typically the case for ducts that run through a dropped ceiling or soffit, or between joists, so long as the floor system sits on top of a conditioned basement or crawlspace. Attics can be problematic when insulation is located in the attic floor rather than in the rafter bays or, better yet, outside the roof sheathing.

When ducts are located outside the conditioned space, they should be sealed to prevent loss of conditioned air and also insulated to prevent thermal loss or gain from the ambient air.

USE ONLY WHAT YOU NEED

Friction is the enemy of airflow. Unlike rigid ducts, which are cut to length within a tolerance of 1 inch or less, it's easy to cut a length of flexible duct that's several feet longer than is needed to get from point A to point B **24**. That creates slack in the duct, which reduces airflow for two reasons. First, because the air has to travel farther, it is exposed to more of the duct's interior surface area. Second, because the duct isn't stretched tight, the wire ribs in the duct create more friction than usual along the entire length of duct.

To maintain strong airflow, plan for short, straight runs during the design phase. Pay particular attention to the framing plan, and route ducts through floor trusses where



1 All ducts, whether rigid or flexible, should be sealed with UL-181-rated duct mastic. Duct tape has many uses, but sealing ducts isn't one of them.

possible **2B**. Monitor the plan during framing and be prepared to create chases to carry ducts where necessary. Also make sure that all ducts, regardless of length, are stretched tight between fittings.

DON'T GET KINKY

Airflow in a duct run of any length can be compromised by sharp turns or even kinks. And each turn, kink, or compression in a duct run reduces airflow, which results in more comfort-related complaints from your customers.

Unfortunately, on many jobsites, poor



Avoid taking up slack with sharp bends **2A**, which severely reduce airflow. Plan the framing package to include chases or trusses to accommodate ductwork **2B**. Ducts that are not stretched tight or that contain sharp bends can increase the equivalent length of the duct run by several multiples (see illustrations at right).

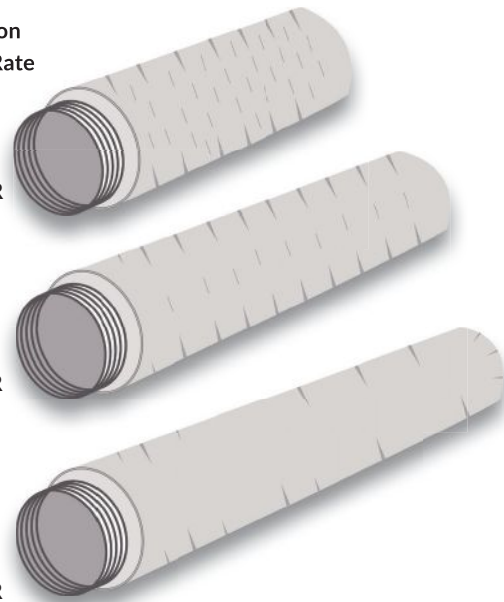
FRICITION RATE VS. LONGITUDINAL COMPRESSION

C = compression
FR = Friction Rate

30% C = 4X FR

15% C = 2X FR

<4% C = 1X FR

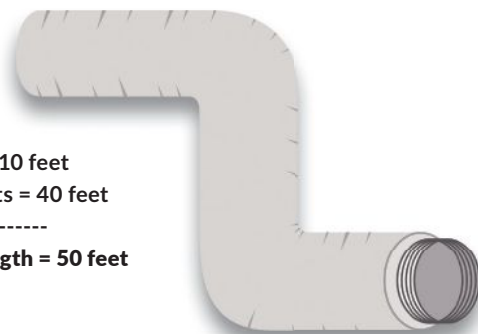


HOW OFFSETS AFFECT DUCT LENGTH

Duct length = 10 feet

Two 90° offsets = 40 feet

Equivalent length = 50 feet

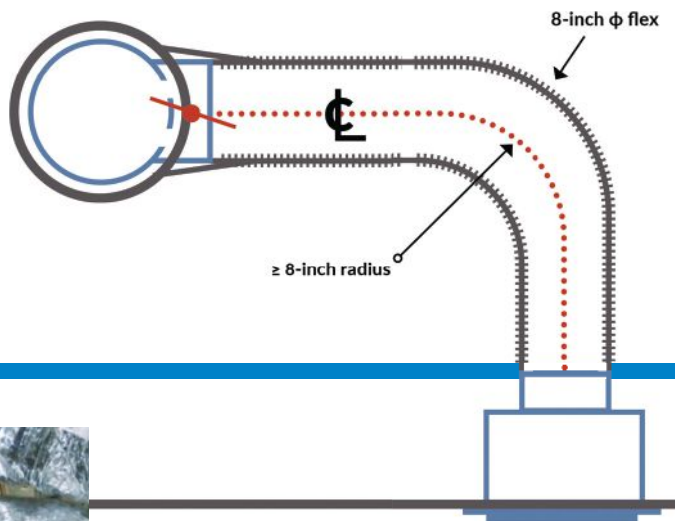


planning of the framing and lack of coordination among subtrades result in all manner of bends and kinks, some of which all but stop airflow completely **3A**.

Once the drywall is up, these problems are impossible to locate, so carefully inspect ductwork before the drywall crew begins its work. Kinks are comparatively easy to spot, but a sharp bend can constrict airflow and is more difficult to see **3B**. Where bends can't be

avoided, make sure that the radius of any turn is at least the same dimension as the duct diameter. For example, the center line of a bend in an 8-inch-diameter duct should

follow a curve with a radius of at least 8 inches **3C**. One easy way to ensure that bends meet this standard is to use metal elbows at these critical locations.

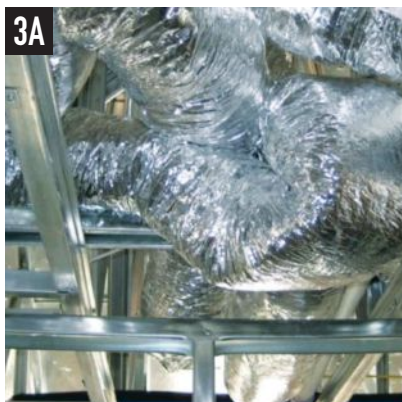


SUPPORT THE DUCTS

Sometimes the best route for a flexible duct run is up and over an obstruction. But without proper support, ducts can develop sags or kinks that reduce airflow **4A**, **4B**.

To prevent problems, use saddles or straps to support at regular intervals **4C**, **4D**. Follow the manufacturer's instructions, but in case they "get lost," here is a list of best

To ensure smooth airflow at bends in flexible duct, the radius of the turn should be equal to or larger than the duct diameter—a minimum 8-inch radius for 8-inch-diameter duct, for example.



Lack of coordination among subtrades can result in bends and kinks to avoid piping, wiring, and framing components **3A**. To prevent the need for costly troubleshooting behind finished walls and ceilings, carefully inspect before drywall is installed to make sure there are no sharp bends or any kinks concealed behind framing **3B**.



Save Time, Labor, and Hassle

FootingPad® structural post foundations are engineered to meet or exceed the load capacity of concrete, while being lightweight and easy to handle.

Proven performance:
over 400,000 in use

Replaces concrete footings
and easy to handle



ICC Building
Code Compliant
ESR-2147

Learn more or request a sample at
Footingpad.com or call 989-224-7095



**LIFETIME
GUARANTEE**
Made in USA

FootingPad can be used
with most post types,
including Perma-Column.

CIRCLE 773



PROREMODELER
PROFESSIONAL REMODELER

EXTREME EVENTS

JOIN US!
**LIVE CONNECTED
EVENTS!**

THE INDUSTRY IS ALWAYS CHANGING. Our team is creating two events that are going to move you ahead in the industry of capturing leads and making sales. This year's 3-day Live Connected Events will gather remodeling's leading business and sales professionals from across the country to engage with experts, share lessons, perspectives and tips on a myriad of topics impacting remodeling sales and lead generation.



OCTOBER 6-8, 2021

Don't miss the Remodeling industry's premiere annual sales event!

- Industry-leading experts
- Actionable insights into sales systems, styles and leadership.
- Live round tables, where expert facilitators will lead in-depth sales discussions.

REGISTER TODAY!
PRExtremeSalesSummit.com

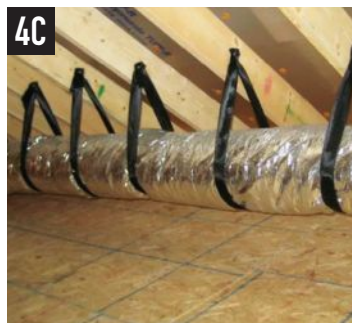


NOVEMBER 10-12, 2021

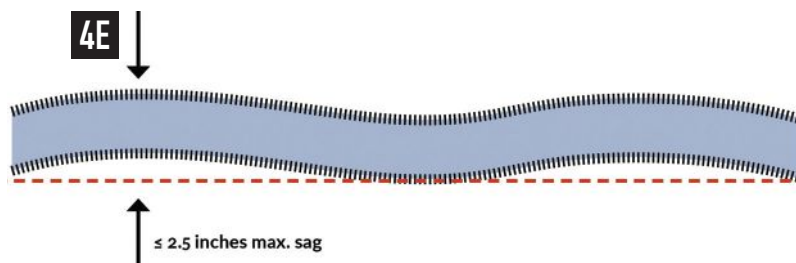
We're the industry's premier Lead Gen Conference for home improvement professionals.

- Premier marketing voices
- Learn to leverage lead generation tools and strategies more effectively and efficiently.
- Learn insights for immediate, impactful changes you can implement tomorrow.

REGISTER TODAY!
PRExtremeLeadGen.com



When ducts must be routed up and over an obstruction, too few supports can cause kinks **4A**. The solution is to create a gradual bend using supports at frequent intervals **4B**. Supporting material should be wide enough to avoid compressing the duct. A good rule of thumb is to provide a duct support no less than every 4 feet, and more frequently when using large-diameter flexible duct **4C**, even when ducts are partially supported by framing members **4D**. Ideally, ducts shouldn't sag more than $\frac{1}{2}$ inch per foot between supports, and maximum sag should not exceed $2\frac{1}{2}$ inches **4E**.



practices for supporting ducts:

- Space supports no more than 4 feet apart (a connection to a rigid duct or to equipment counts as a support point).
- Supports should be at least $1\frac{1}{2}$ inches wide.
- In long horizontal runs with sharp bends, use extra supports before and after the bends.
- Don't let the ducts sag more than $\frac{1}{2}$ inch per foot between supports; maximum sag shouldn't exceed $2\frac{1}{2}$ inches **4E**.
- Support straps should not compress the inner core or constrict airflow.

Supports should not constrict the insulation because that can cause cold spots and condensation, which can lead to mold growth. **PRO**

This article was adapted from a video series at ProTradeCraft.com, which is based on material from the Building America Solution Center (BASC), an online tool from the U.S. Department of Energy that collects best-practices recommendations from the country's top building science and home building experts.

FASTER TO THE FINISH



Perma-Column® precast deck posts end the need to mix and pour concrete. Our posts work together with FootingPad® composite footers to enable deck builders to reduce project time, cost, and labor.



AVAILABLE NOW

Contact your distributor

Build better. Build stronger. Build to last.



CIRCLE 775

CONSTRUCTION MEDIA

GROUP PUBLISHER - PRINCIPAL

Tony Mancini / 484.412.8686
tmancini@sgcmail.com

DIRECTOR OF SALES

Bill Black
267.483.8788 / bblack@sgcmail.com

INTEGRATED MEDIA ADVISORS

VP STRATEGIC PARTNERS

Michael Stein
610.918.1828 / mstein@sgcmail.com

Jeff Elliott

616.795.6248 / jelliott@sgcmail.com
States: Eastern Canada

Tim Gillerlain

847.954.7916 / tgillerlain@sgcmail.com
States: IA, IL, IN, KS, MI, MN, MO, ND, NE, OH, OK, SD, TN, TX, WI

Adam Grubb

317.219.7546 / agrubb@sgcmail.com
States: AK, AZ, CA, CO, HI, ID, MT, ND, NM, NV, OR, SD, UT, WA, WY, Western Canada

Ed Rafalowski

215.429.7971 / erafalowski@sgcmail.com
States: AL, AR, CT, DC, DE, FL, GA, KY, LA, MA, MD, ME, MS, NC, NH, NJ, NY, PA, RI, SC, VT, VA, WV

DIRECTOR OF EVENTS

Judy Brociek
847.954.7943 / jbrociek@sgcmail.com

PRINT ADVERTISING MATERIALS

Erica Rivera
847.391.1049 / erivera@sgcmail.com

DIGITAL ADVERTISING MATERIALS

Siobhan Lesniak
slesniak@sgcmail.com / 847.318.3414

REPRINT SALES

Tina Kanter
847.391.1054 / tkanter@sgcmail.com

ADMINISTRATIVE COORDINATOR

Tina Kanter
847.391.1054 / tkanter@sgcmail.com

FOR LIST RENTAL INFO, CONTACT

Claude Marada
402.836.6274 / claude.marada@infogroup.com
-OR-
Bart Piccirillo
402.836.6283 / bart.piccirillo@infogroup.com

EDITORIAL AWARDS

Winner of 35 American Society of Business Publication
Editors Awards and 8 Jesse H. Neal Awards

SUBSCRIPTION INQUIRIES

Professional Remodeler
P.O. Box 300, Lincolnshire, IL. 60069-0300
PFR@omeda.com
Toll-Free 877.501.7540
Local 847.763.4933

PRO REMODELER / PROFESSIONAL REMODELER (ISSN 1521-9135) is

published in Jan, Feb, Apr, Jun, Aug,
Oct, Dec (seven times annually) by
SGC Horizon LLC, 3030 W. Salt Creek
Lane, Suite 201, Arlington Heights,
IL 60005. Periodical postage paid at
Arlington Heights, IL 60005 and other
mailing offices. Subscription Rates per
year: USA \$90.00; Canada and Mexico
\$110.00 (payable in USA funds); all
other international \$150.00 (payable in
USA funds). Single copies: USA \$15.00;
all international (payable in USA funds)
\$30.00. Reproduction of contents is
strictly forbidden. ©Copyright 2021.
PROFESSIONAL REMODELER accepts
no responsibility or liability for the
validity of information supplied by
contributors, vendors, advertisers or
advertising agencies.

POSTMASTER:

Send address changes to:
Professional Remodeler
P.O. Box 300
Lincolnshire, IL. 60069-0300

To subscribe to Professional Remodeler,
go to: proremodeler.com/subscribe

ADVERTISER INDEX

FOR FREE INFORMATION ON ANY ADVERTISER, CIRCLE THE NUMBER
ON THE READER SERVICE FORM BELOW.

ADVERTISER	PAGE #	RS #
Boral Building Products Inc.	25	761
Chief Architect	IFC	751
Country Wood Flooring	63	778
Daltile	27	762
DaVinci Roofscapes	10	755
DecKorators	53	771
FootingPad by AG-CO	59	773
Franklin International	19	759
Glen Dimplex Americas	43	769
Home Depot	BC	782
Husqvarna Construction Products	41	767
IRE	IBC	781
JennAir	17	758
LP Engineered Wood Products	12	756
NAHB - Natl. Assoc. of Home Builders	23, 51	760, 770
Owens Corning	5	752
Panasonic Corporation	6	753
Perma Column	61	775
Protective Products	63	779
ProVia LLC	31	763
Sakrete	33	764
Skilled Labor Fund	64	780
SoftPlan Systems Inc.	41	766
Valspar	8	754
Versatex	14	757
Wellborn Cabinet Inc.	55	772
Zipwall	43	768

PRO REMODELER FREE SUBSCRIPTION / READER SERVICE

NAME _____
TITLE _____
COMPANY _____
ADDRESS _____
CITY _____ STATE _____ ZIP + 4 _____
PHONE* _____
CELL* _____
E-MAIL* _____
FAX* _____

Would you receive/continue to receive Professional Remodeler free of charge?

(Print edition available only in USA. Free digital edition available worldwide.)

☐ YES ☐ NO How would you like to receive your subscription? ☐ PRINT ☐ DIGITAL (email address required)

SIGNATURE _____ DATE _____

CIRCLE NUMBERS BELOW TO RECEIVE FREE INFORMATION FROM
COMPANIES LISTED IN THIS ISSUE.

751	766	781	796	811	826	841	856	871	886	901
752	767	782	797	812	827	842	857	872	887	902
753	768	783	798	813	828	843	858	873	888	903
754	769	784	799	814	829	844	859	874	889	904
755	770	785	800	815	830	845	860	875	890	905
756	771	786	801	816	831	846	861	876	891	906
757	772	787	802	817	832	847	862	877	892	907
758	773	788	803	818	833	848	863	878	893	908
759	774	789	804	819	834	849	864	879	894	909
760	775	790	805	820	835	850	865	880	895	910
761	776	791	806	821	836	851	866	881	896	911
762	777	792	807	822	837	852	867	882	897	912
763	778	793	808	823	838	853	868	883	898	913
764	779	794	809	824	839	854	869	884	899	914
765	780	795	810	825	840	855	870	885	900	915

*By providing your phone number, cell phone number, fax number or e-mail
address, you give us permission to use it to contact you about your subscription

proremodeler.com

TO RECEIVE FREE
INFORMATION FROM
COMPANIES IN THIS ISSUE:

FASTEST: ONLINE
Fill out our online web card at
proremodeler.hotims.com

FAX
Complete form and fax to
630.571.7730

EMAIL
Complete, scan and email
as an attachment to
cards@ims.ca

MAIL
Complete form and mail to
Inquiry Management Systems
PO Box 1663
Buffalo, NY 14205-1663

TO CONTINUE YOUR FREE
SUBSCRIPTION:

FASTEST: ONLINE
proremodeler.com/subscribe
1. Choose "Renew Subscription"
(you'll need the mailing label on
the front cover of this issue).
2. Answer a few questions.

FAX
Complete form and fax
to 800.207.5957

MAIL
Complete form and mail to
Professional Remodeler
P.O. Box 300
Lincolnshire, IL.
60069-0300

JULY•AUG 2021



Pro Trade CRAFT
For Residential Construction Pros

**SOLUTIONS & BEST PRACTICES
IN THE PALM OF YOUR HAND**

ProTradeCraft.com



**Craftsmanship
in the building
trades through
best practices**

ProTradeCraft.com is a technical resource on your phone that lets you search for and apply best practices, on the spot.

JOBSITE KNOW-HOW / DETAILS THAT WORK / PRODUCT EXPERTISE / USER REVIEWS

Go to ProTradeCraft.com today.

CARPET PROTECTION

Tough, professional-grade protection, designed to meet the demanding needs of building professionals.

- ✓ Low-tack adhesive – no staples, tacks or tape – virtually maintenance-free.
- ✓ Reverse wound for easy application.
- ✓ Tough, 3-mil polyethylene blend that resists puncturing.





Protective Products
International Inc.
Surface Protection Solutions

Visit us at:
ProtectiveProducts.com
Call: **(800) 789-6633**

CIRCLE 779

COUNTRY WOOD FLOORING

1-888-552-9663 info@countrywoodfloor.com





London Bell Collection
Thicker Veneer and Wider Plank European Oak Floors

Country Classic Collection
Classic Solid Hardwood Floors

Oceanside Collection
SPC Waterproof Vinyl Floors



www.countrywoodfloor.net

www.oceansidecollection.com

www.londonbellcollection.com

CIRCLE 778

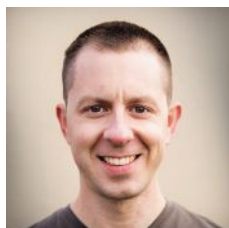
THE FUTURE WON'T BUILD ITSELF.

Without a workforce, we can't build. Without a workforce we can't grow. Your donations today will ensure that the workforce of tomorrow will meet the demands of future growth. Donate now at SKILLEDLABORFUND.ORG.



CIRCLE 780





BRYAN UHLER

VICE PRESIDENT
PIONEER BUILDERS / PORT ORCHARD, WASH.

PANASONIC WHISPERVALUE FAN

IN ADDITION TO HOME BUILDING, I frequently consult with remodelers on energy efficiency. I've used Panasonic fans for nearly a decade. One of the things that I like about the WhisperValue ventilation fan is that it uses ECM, or electrically commutated motors. These motors can help overcome possible static pressure that could be introduced into the system because of too many bends in the ductwork that are often present in existing homes. This avoids premature motor burnout and weak airflow.

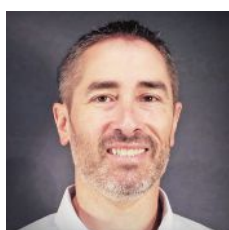
Panasonic is well-built. The unit can come with an LED light, and the operation is exceptionally quiet, especially at the

lowest speed setting. You can pick the airflow speed from 50, 80, and 100 CFM. We set it at 50, and then we can adjust it if a homeowner would like more airflow. Even better, Panasonic fans have an extremely low watt per CFM that meets even the strictest codes like we have here in Washington. With its thinner design, you can also install it in 2x4 framing or install it vertically, giving remodelers flexibility.

All of the adjustments are up in the fan housing itself, so we specify relative humidity sensors in our bathing rooms that

have a dial to set what level of humidity that the vent will automatically kick on.

The only thing I would suggest is for Panasonic to create an electrical wiring tutorial or more in-depth printed instructions. It took real-world figuring it out how to do it using the current wiring diagram. na.panasonic.com



BRANDON GALLEGOS

OWNER
G&G INSULATION / MERIDIAN, IDAHO

PINK NEXT GEN FIBERGLAS INSULATION

I HAD THE CHANCE TO TRY Owens Corning's new PINK Next Gen Fiberglas insulation. We work with contractors in the Boise area and have already finished dozens of jobs with the new insulation and find it so much easier to install.

PINK Next Gen recovers instantly and retains its stiffness, so it glides right into the stud cavity without fluffing or compressing. And it's more comfortable and cleaner to handle: My guys say it splits cleanly around boxes and wires and fills cavities completely, saving a ton of time.

The company says the secret is advanced fiber technology—it's got tightly woven, fine

fibers to form a soft blanket of insulating micro-pockets. It does feel soft and looks uniform. You really can tell the difference with the first touch. And there's far less dust, which is a major benefit when doing overhead work.

My installer Braden Chafin finds it's not flimsy like other products and doesn't stick to you or have little strands of insulation everywhere like we do with some of the other batt materials.

We also don't have the mess or mixing of chemicals like other methods, so the other



workers don't have to evacuate and can keep working.

We're just more productive with PINK Next Gen and many of our customers already prefer it to other brands. The only drawback is that you might have to wait until Q3 as it starts to roll out, but it's well worth the wait.

owenscorning.com

Veteran Takes on Roofing

ELIZABETH EVANS, CEO AND FOUNDER OF E2 HOMES AND E2 ROOFING, GREW HER BUSINESSES, ATTENDED THE JOINT WAR COLLEGE, AND WAS PROMOTED TO COLONEL ALL DURING THE PANDEMIC.

AT JUST 10 YEARS OLD, Elizabeth Evans won her first tennis tournament. At 15, she started running marathons. And at 17, the future business owner joined the United States Army. Four years ago, Elizabeth took another leap of faith and founded E2 Design & Construction ("E Squared"), a custom home building company that has since split into two brands: E2 Homes and E2 Roofing.

From West Point to the National Guard and Remodeling

Elizabeth's journey to building and remodeling started when she joined West Point after being recruited to play tennis. Fascinated by building and design, the young cadet chose a civil engineering path, where she learned construction and project management skills that serve her well to this day. "Construction and the military have so many parallels," Elizabeth says. "I've had several of my classmates at West Point end up in the construction industry."

In 2005, Elizabeth left the army for the Florida National Guard to pursue her next venture. "I was fascinated with the idea of building a home," Elizabeth says. Although she had not worked directly in the residential construction industry in the military, she landed a job with Pulte Homes, a local builder, before starting E2 in 2017.

At first, the new business owner marketed her company as one brand, but Elizabeth quickly realized that the way she talked to clients about custom homes and roofing differed. This realization prompted her to hire a marketing coach who assisted the

team through the transition to E2 Homes and E2 Roofing. She says the rebranding improved business, and the company grew 10% despite the pandemic's challenges.

Thriving in two male-dominated industries

Both the military and the construction industry are male-dominated, but how she is perceived in the two spaces differs. "In the military, I wear a uniform, and you can see my rank," Elizabeth says, which she notes helped ease any friction that may have arisen between her and other soldiers.



Colonel Elizabeth Evans carefully balances her time between the Florida National Guard and running E2 Homes and E2 Roofing.



"I've always just been treated as an officer, a soldier." In remodeling, however, there are no name tags. Though she doesn't lose any sleep over it, Elizabeth can recall times when homeowners did not know that Elizabeth was the owner of the company and would approach her general manager instead, assuming that he was the owner and she was in an administrative support role.

Most of the time, however, being a woman founder is a strength, and Elizabeth thinks that her perspective keeps E2 competitive,

something her clients have told her is unique to her company. "I walk into someone's home and my shoes come off," she says. "I think about someone's kids and their dogs, and tell my guys to use that magnet and make sure there's not a single nail left in that yard."

Veteran-owned, operated, and staffed

Elizabeth is a busy woman. Her duties at E2 haven't stopped her from rising within the Florida National Guard, and she was recently promoted to Colonel. During 2020 and 2021, she also attended the Joint War

College, JAWS (Joint Advanced Warfighting School). Only 45 active duty military members attend the 11-month program a year. Four days a week in the mornings, she attended JAWS classes and then shifted over to running E2 in the afternoons and evenings.

Still, the colonel's military ties aren't kept separate from E2: Elizabeth also makes it a priority to employ veterans and is a franchisee for VetCor, an

emergency restoration services company owned and staffed by veterans that handles water and mold damage.

Even though they may have a learning curve to understanding the field, veterans can become the star players on a team, according to Elizabeth. "I can teach you how to install a roof. But I cannot teach you how to work hard and want to do things that will make your team stronger," she says. "That has to come from within you, and that's what you're going to get when you look at hiring a veteran." 



2021 **LIVE IN LAS VEGAS**
AUGUST 10-12

MANDALAY BAY CONVENTION CENTER

CONNECTING THE INDUSTRY

THE PREMIER EVENT FOR THE INDUSTRY

The International Roofing Expo is where contractors, remodelers, and builders connect with manufacturers to discover the latest products, technologies, and services on the market while further developing their professional and technical skills.

Content is curated, vetted, and presented by trailblazers in the roofing and exterior construction industries. **Our goal is to help professionals improve their business through education, exhibitions, and networking.**

CONNECT AT THE #1 EVENT

REGISTER TO ATTEND
www.theroofingexpo.com



Official Show Sponsor:



Official Show Publication:

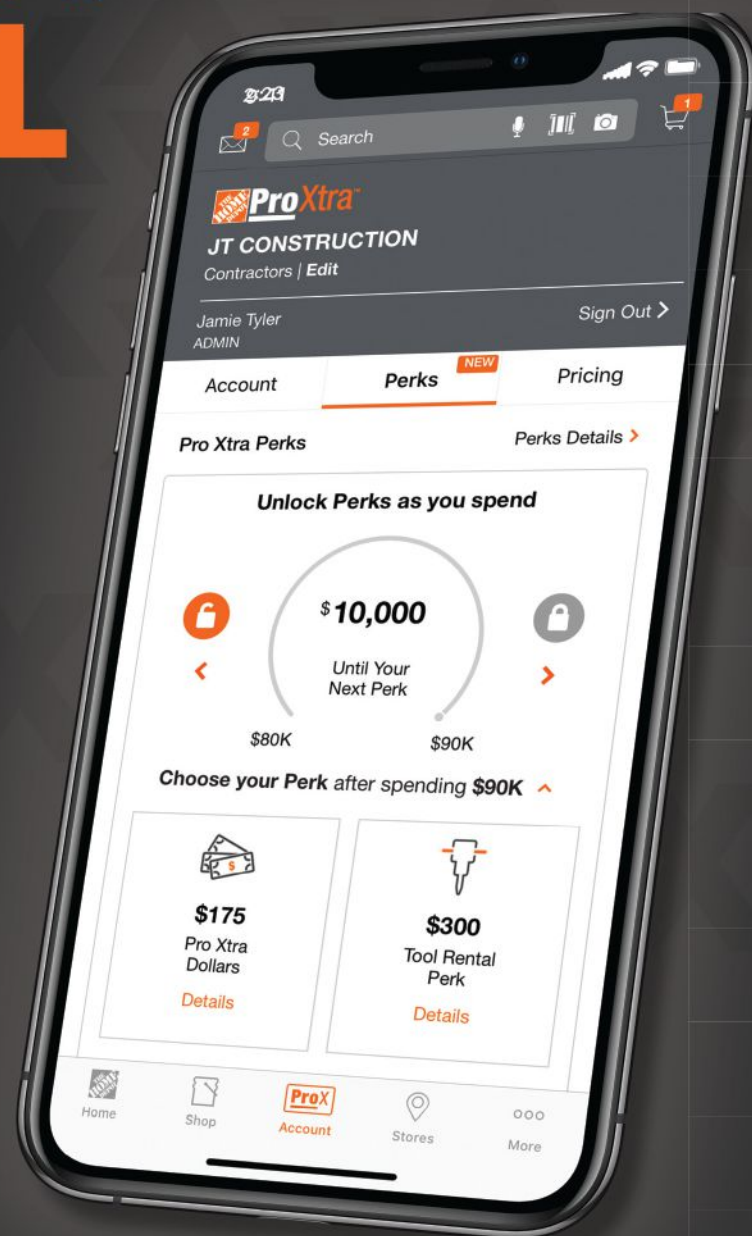
**ROOFING
CONTRACTOR**

Visit our health and safety page at www.theroofingexpo.com for the latest information on your on-site experience. CIRCLE 781

YOUR MOST POWERFUL TOOL EVEN WORKS IN THE DARK

Save time and money
with Pro Xtra Perks and
The Home Depot app.

And be sure to check out the **Pro Online Experience**,
where members now have exclusive access to online
business tools and more time-saving features.



SCAN TO JOIN AND GET
\$20 OFF YOUR PURCHASE
OF \$200 OR MORE.

CIRCLE 782

