# The Alexandrine Apartments

The Ferlito Group

664-676 W. Alexandrine Street Detroit, Michigan 48201

April 2021 Historic District Commission Submission



664-676 W Alexandrine St Existing Site Aerial



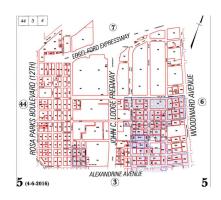
4100 3rd St



654 W Alexandrine St



640 W Alexandrine St



ZONING MAP



624 W Alexandrine St

4125 2nd Ave

#### STREET NORTH SIDE



3977 2nd Ave (Alexandrine side)



627 W Alexandrine St







677 W Alexandrine St

STREET SOUTH SIDE

643 W Alexandrine St

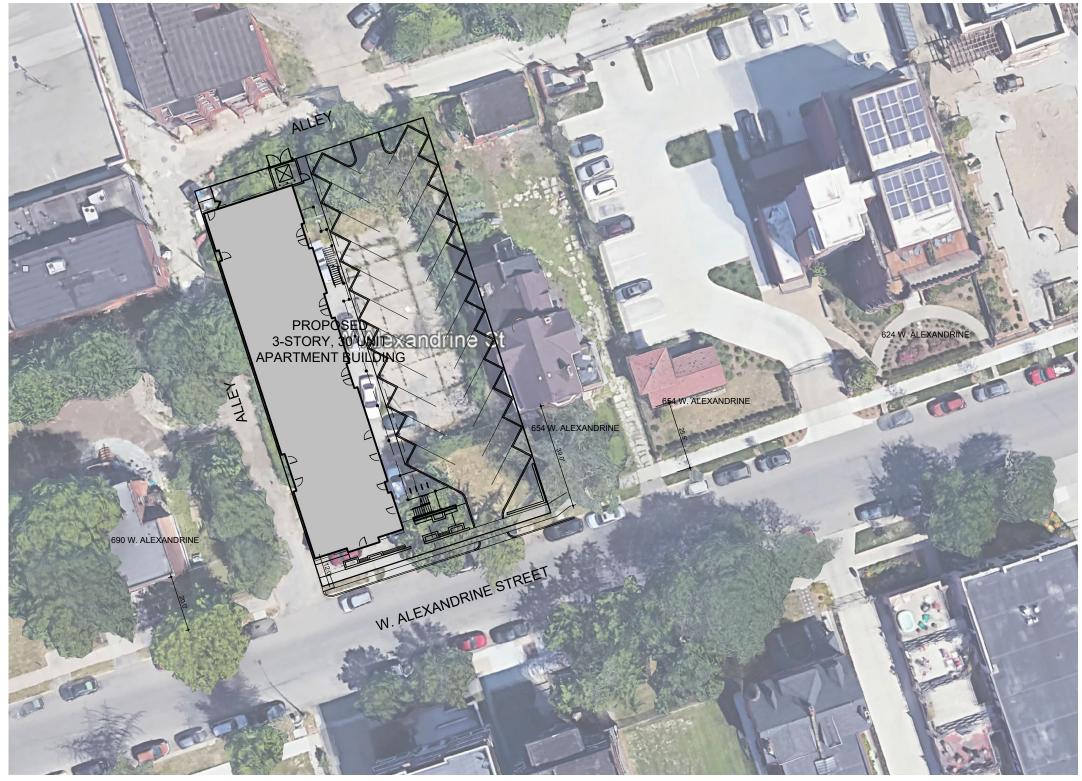
667 W Alexandrine St

### EXISTING STREET CONTEXT



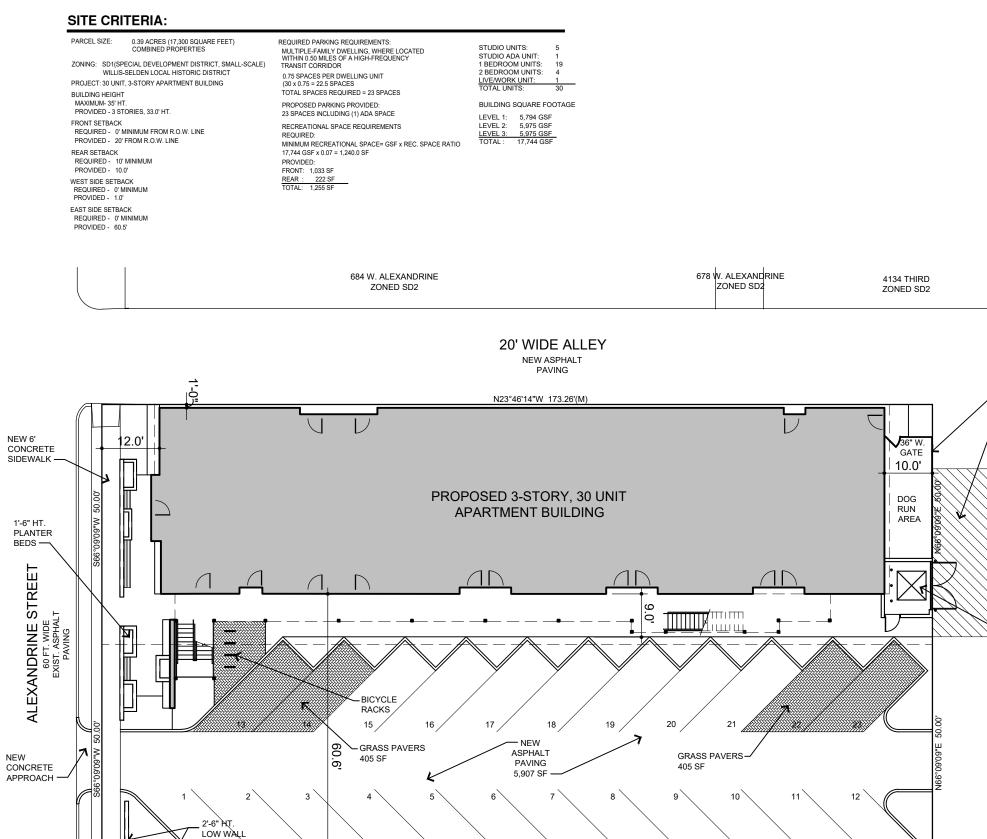


711 W Alexandrine St



site context plan

### SITE CONTEXT PLAN 1" = 40'-0"



654 W. ALEXANDRINE

ZONED SD1

6' ht. COMPOSITE

FENCE

architectural site plan

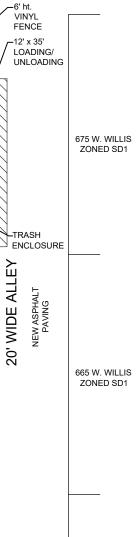
3' ht. COMPOSITE

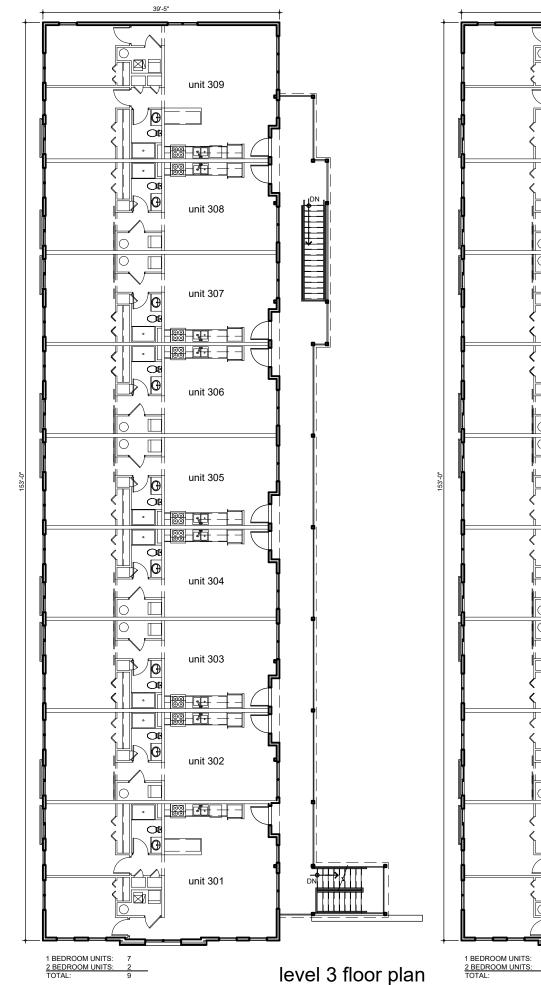
EXIST. RESIDENCE TOWARDS ALEXANDRINE)

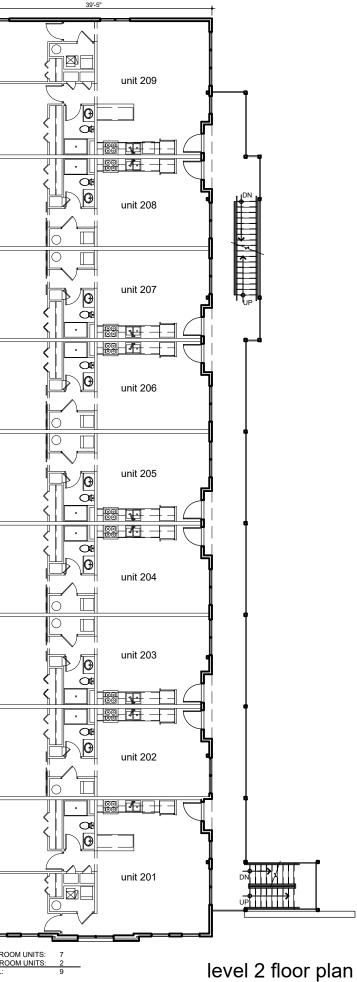
FENCE (FROM

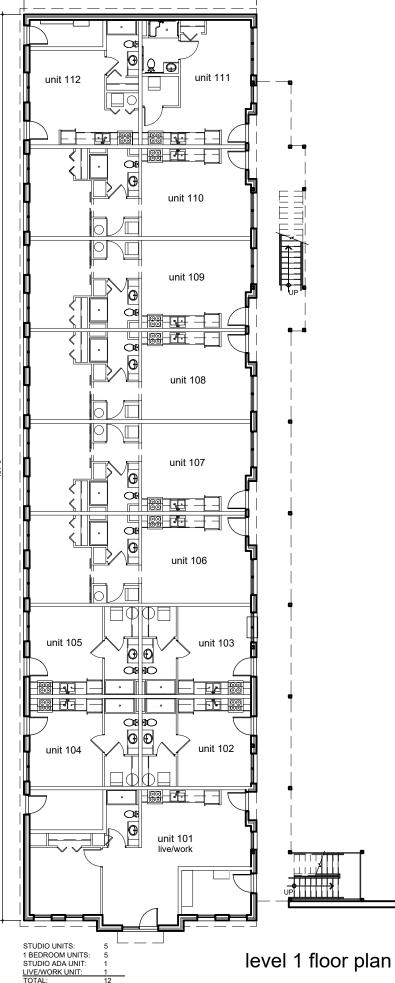
BEGINNING OF

### SITE PLAN 1" = 20'-0"



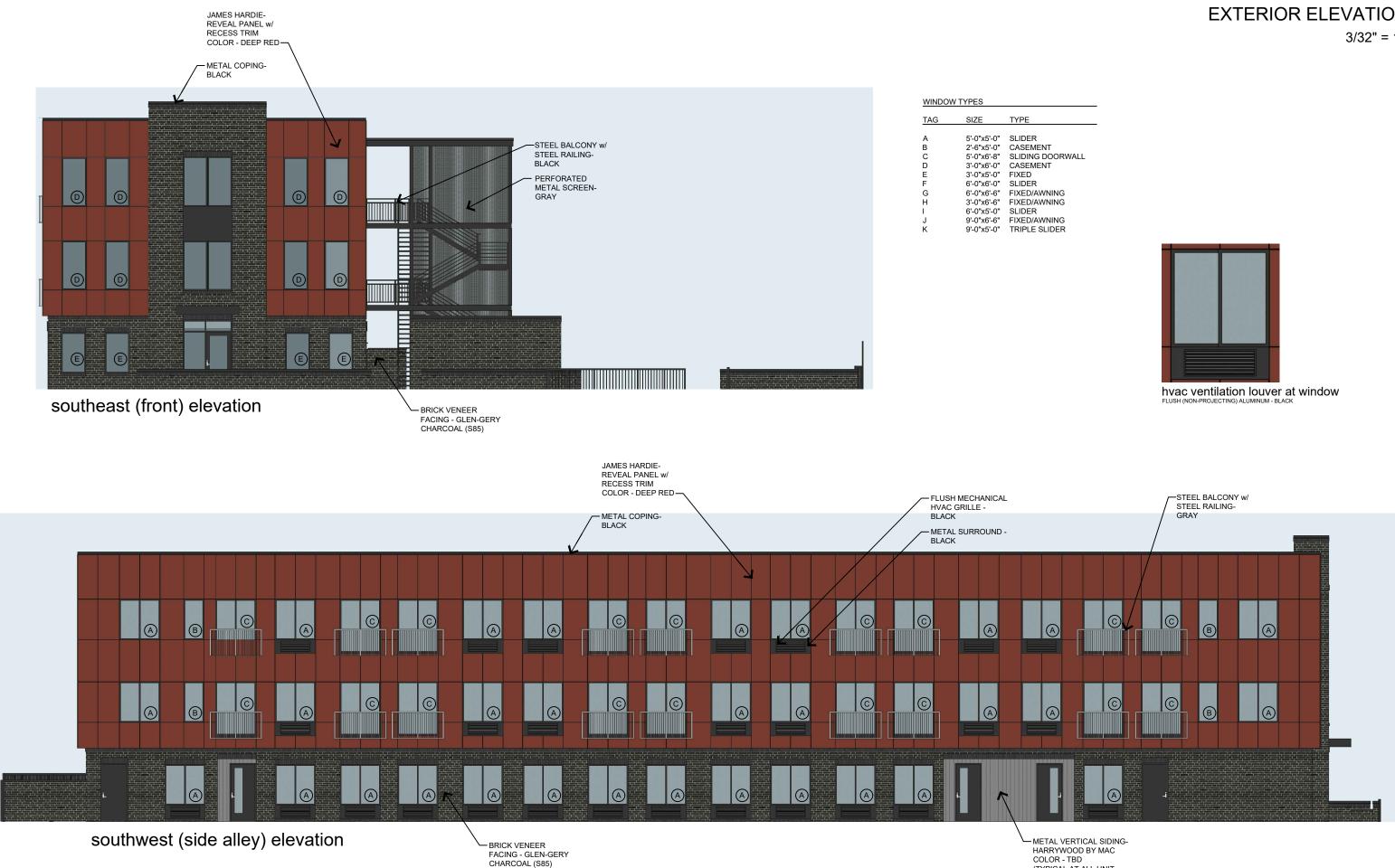






### **BUILDING FLOOR PLANS** 1/16" = 1'-0"





### **EXTERIOR ELEVATIONS** 3/32" = 1'-0"



- METAL VERTICAL SIDING-HARRYWOOD BY MAC COLOR - TBD (TYPICAL AT ALL UNIT ENTRY RECESSES)



-ST'L. COLUMN

COLOR - BLACK

### northwest (rear alley) elevation



### **EXTERIOR ELEVATIONS** 3/32" = 1'-0"



# dwelling unit entry light fixture GLACIER INTEGRATED LED WALL LIGHT BY ARTIKA



hvac ventilation louver at window ON-PROJECTING) ALUMINUM - BLACK



VESTA STEEL PLANK SIDING-IRONSTONE AT UNIT ENTRY ALCOVES



MCNICHOLS EXPANDED METAL MESH FOR STAIRWELL SCREENING



JAMES HARDIE-REVEAL PANEL w/ RECESS TRIM COLOR - DEEP RED



BRICK VENEER FACING -GLEN-GERY CHARCOAL

# main building color palette

All materials to be of a non-reflective, matte finish



steel egress balcony / roof coping / windows / doors



juliet balcony

accent color palette

All materials to be of a non-reflective, matte finish

### **EXTERIOR MATERIALS**



# dwelling unit entries

THERMA TRU FIBERGLASS DOOR PANEL

# dwelling unit windows

QUAKER WINDOWS ALUMINUM CLAD



684 W. Alexandrine

Ferlito Group - Alexandrine Apartments 664-676 W. Alexandrine

street south elevation

# ALEXANDRINE STREET CONTEXT

~

654 W. Alexandrine

640 W. Alexandrine



view from the southeast

## EXTERIOR VIEW



view from the southwest

### EXTERIOR VIEW

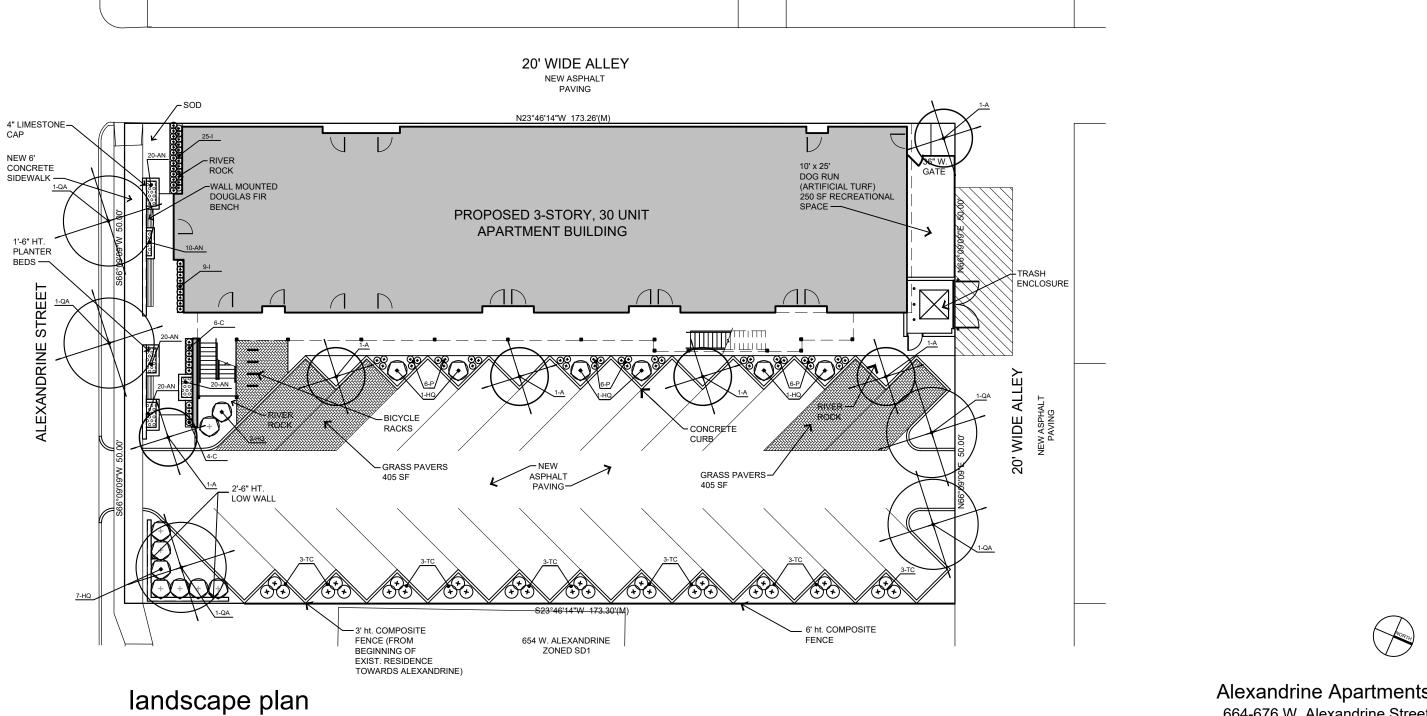
PLANT LIST						
SYM. QTY BOTANICAL NAME			COMMON NAME	SIZE	ROOTS	COMMENTS
А	6	Amelanchier laevis	Allegheny Serviceberry	10' Ht.	B&B	Mulitstem
AN	90	Annuals	Annuals	24 Cell	Flat	Plant 6" O.C.
С	10	Calamagrostis 'Cheju-Do'	Dwarf Feather Reed Grass	1 Gal.	Container	Plant 36" O.C.
HQ	15	Hydrangea quercifolia	Oakleaf Hydrangea	24"-30"	Container	Plant 48" O.C.
1	34	Imperata Cylindrica 'Rubra'	Japanese Red Baron Blood Grass	1 Gal.	Container	Plant 18" O.C.
Р	30	Panicm Virgatum	Switch Grass	1 Gal.	Container	Plant As Shown
QA	5	Quercus alba	White Oak	3" Cal	B&B	Plant As Shown
тс	33	Taxus cuspidata 'Monloo'	Emerald Spreader Japanese Yew	24"-30"	B&B	Plant 36" O.C.

#### IRRIGATION:

ALL LANDSCAPED, ROW AND SODDED AREAS TO BE IRRIGATED BY AN AUTOMATIC SPRINKLER SYSTEM.

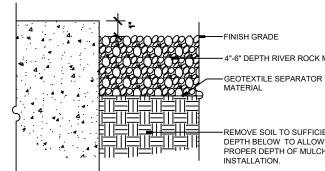
## INTERIOR LANDSCAPESPACEREQUIREMENTS REQUIRED: (25-100 SPACES) 18 SF PER PARKING SPACE 23 PARKING SPACES x 18 SF = 414 SF AND 2 SHADE TREES

560.1 SF PROVIDED WITH 3 SHADE TREES



### LANDSCAPE PLAN 1" = 20'-0"





4"-6" DEPTH RIVER ROCK MULCH

-REMOVE SOIL TO SUFFICIENT DEPTH BELOW TO ALLOW PROPER DEPTH OF MULCH INSTALLATION.







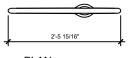
SAMPLE IMAGE

3/LS101 river rock mulch detail

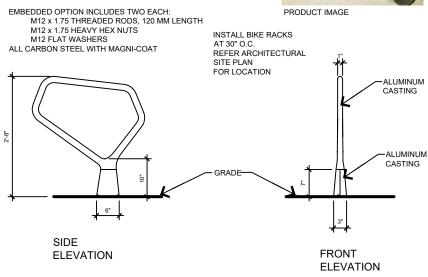


SAMPLE PATTERN

2/LS101 brick paver material and detail UNILOCK: NUVOLA



PLAN



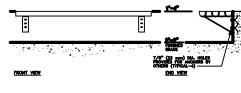
bicycle rack LANDSCAPE FORMS: FGP BIKE RACK



wall mounted bench detail TIMBERFORM GREENWAY MODEL NO. 2144-6 WALL-MOUNT SEAT



TOP VIEW



AVAILABLE IN 6" (SHOWN) NOMINAL LENGTHS OTHER LENGTHS AVAILABLE UPON REQUEST.

### LANDSCAPE PALATE & DETAILS



PRODUCT IMAGE



Distinctive design engineered to last

Product Catalog

# INTRODUCING THE ASPYRE COLLECTION BY JAMES HARDIE®

Artisan Shiplap Siding and Reveal Panel with Reveal Surround Trim

# REVEAL

Panel System ...



3

SHAPE WHAT'S NEXT

### The Reveal® Panel System

expands modern design options with smooth, thick panels plus multiple trim and fastener products.



# REVEAL® RECESS TRIM

- Provides clean, sharp shadow lines for a simple aesthetic
- Gives a sense of lightness to modern architecture



Reveal Recess Trim Available primed



**Reveal<sup>™</sup> Countersunk Fasteners\*** Compatible with primed panels

# REVEAL®

- Boldly frames the smooth, flat Reveal Panel
- Accentuates the modern industrial look



#### **Reveal Surround Trim**

Available in primed, clear anodized finish or with ColorPlus® Technology finishes\*\*



#### Reveal<sup>™</sup> Exposed Fasteners\* Stainless steel

Available in primed, clear anodized finish or with ColorPlus® Technology finishes\*\*

\*Can be used with either Reveal Recess Trim or Reveal Surround Trim. \*\*Talk to your local rep about ColorPlus Technology availability in your market.

# CREATIVITY IS IN THE DETAILS



**Reveal Recess Trim** 



**Reveal Exposed Fasteners** 



**Reveal Surround Trim** 



**Reveal Countersunk Fasteners** 

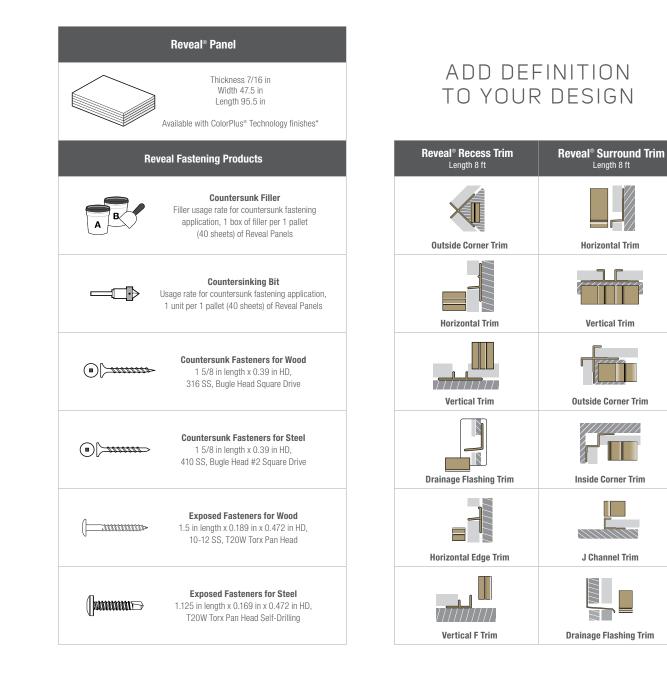


**Reveal Surround Trim** 

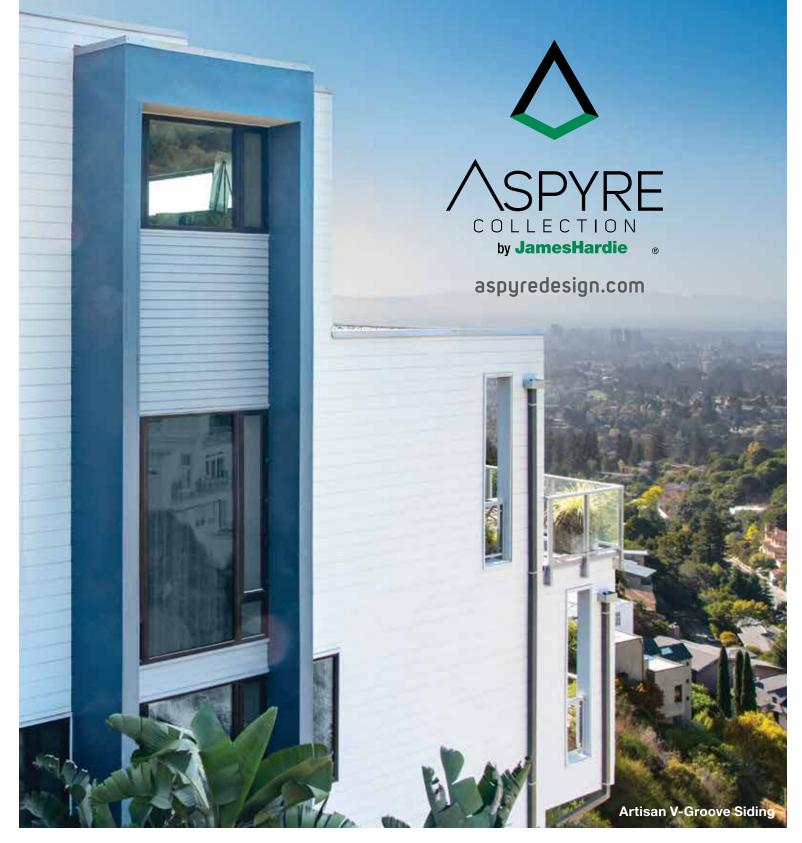
Customizable system allows you to mix and match compatible components.







# The Aspyre Collection by James Hardie<sup>™</sup> expands your creative possibilities





qualiti/ edge





# SHIPLAP LOVE



VESTA EMBRACES THE DEPENDABLE, LONG-STANDING CONFIGURATION OF SHIPLAP WITH ITS COMMITEMENT TO SMART, ENDURING DESIGN, CLEAN PROFILE, AND RELENTLESS PERFORMANCE AGAINST THE ELEMENTS.

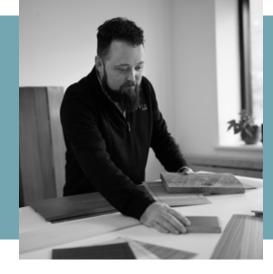
For the past few years, our team at Quality Edge (QE) has been inspired and challenged by shiplap. Vesta embraces the dependable, long-standing configuration of shiplap with its commitment to smart, enduring design, clean profile, and relentless performance against the elements.

For hundreds of years, shiplap has brilliantly defended Nordic ships from the seas, coastal structures from the salty winds, and family

> homes from ruthless weather environments. The typically wide, wooden shiplap is created by tightly fitting each timber together to make a continuous plank. These strong joints create a seal that stands up to all climate and weather conditions. The same joint that makes true shiplap weather-tight is what makes the style perfect for protecting a home.

With precision, Vesta reinvents the smooth, impervious joint of shiplap using modern metal—exchanging wood decay with eternal, indelible steel and giving architectural design a new classic silhouette. Building on the industry desire for a sleek, plank design with the performance of steel siding, Vesta has arrived to give your home a fresh new look. Mark Bredewig is known for his engineering innovation and design savvy, and his craftsmanship and artistry have matured over the past 15+ years. The balance of innovation, engineering and design for which he is known came to life with Vesta.

# THE ARTFUL EXTERIOR



MARK BREDEWEG Industrial Design Engineer

<sup>66</sup> STAY CURIOUS. WHAT CHALLENGES YOU **DEFINES YOUR PROCESS** AND INSPIRES SOLUTIONS. 99 when I started researching shiplap. The distinguishing patterns (known as variegation) of real wood shiplap were what inspired me. My goal was to find a hand-drawn pattern that could mimic the real wood effect paired with a much stronger material-steel.

Q

A Just like fingerprints, each natural wood-cut panel is original in tone and grain variances, and can be even more particular in structure per species of wood. That uniqueness is a hard thing to recreate. After examining countless woodgrains. I decided we would need to draw and engineer our own design to capture the beauty of natural woodgrain.

Tricolor paint application was where we landed. Real woodgrains have highlights, mid-tones and dark grain structures. In order to achieve a similar grain effect, we implemented a new HD3 painting process, something never done before, which gave the realistic look I wanted up close and at long distances.

What was your inspiration in creating and developing Vesta?

 $A \ {}^{I\,was\,looking\,for\,something}_{different\,from\,common\,siding}$ profiles, but I also did not want to compromise on performance. That's

Knowing the challenges Q Knowing the chances of the chances a new product, what kind of obstacles did you encounter?

Was that enough to get the look Q was that chough to get in the way you wanted it, or did the process evolve further from there?

A I knew pretty early on that one hand-drawn woodgrain would not be enough to save the design from predictable repeats and muddled striping. I began thinking through what it would be like to include a group of unique wood planks for each color to achieve the seemingly random, variegated look I was inspired by.

I started drawing and didn't stop. I ended up hand-drafting six individual woodgrain prints per color. Each is tonally and structurally unique, but similar enough that they harmonize when stacked together. Between design, testing product parts and fine-tuning woodgrain prints on the paint lines, the final product with its six variegated planks staggered up on a wall is stunning.

The whole process taught me to stav curious. What challenges vou defines your process and inspires solutions. Keep asking questions, and you'll find the answers.

Air circulation is vital to structural fitness. Vesta engineering allows precise, healthy airflow without compromising needed defense from weather assaults, while providing nonstop underlayment defense where you need it most. You can breathe easier knowing your siding is too.

0

# SUSTAINABLE DESIGN

EARTH

Vesta steel is the fusion of iron and carbon, natural elements at home in our earth. It is planet-loving and 100% recyclable, and throughout the recycling process, Vesta steel enjoys strength beyond that of all other metals.

 $\mathbf{O}$ 

AIR

From the fires of the forge, steel is born to defend your home against anything Mother Nature can throw at it. With its Class A fire rating, Vesta is noncombustible and fire-resistant. Because of Vesta's rigorous testing, you can feel safe and at ease, knowing your home is protected.

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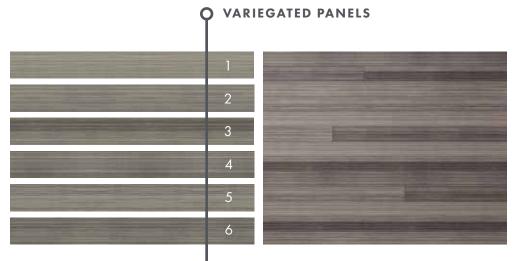
FIRE

Vesta is uncompromising against moisture. Long, narrow stacking seams form a flat, element-resistant surface. Interlocking channels divert moisture away from seams, warding off any threat from water.





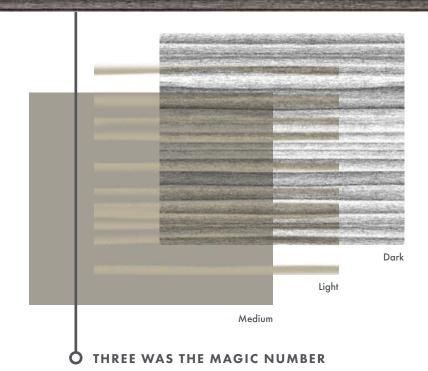




#### O HD3 WOODGRAIN

#### **O** SUNMASTER PAINT SYSTEM

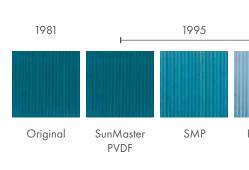
# ENDURING BEAUTY



HD3 is our patent-pending, high-definition, tricolor paint application that captures light, medium and dark woodgrain details, creating a multidimensional and naturally accurate look. Touching it is the only way to know it is steel.

#### WHY NOT JUST ONE 0

Each color consists of six unique grain configurations designed to resemble the natural variation of stained woods that results when several features interact, including irregular grain, rays and color deposits on the surface of wood. And like real wood, it looks great up-close and at a distance.



#### **O** BEAUTIFUL FOR GENERATIONS

SunMaster PVDF coating is a thermally set paint system that creates a thick film barrier, providing excellent resistance against wear, fade and chalking. After a 14-year outdoor exposure study,\* the PVDF paint system looked virtually new. With our lifetime warranty, you are assured Vesta will always look as good as the day it was installed.

Note: Woodgrain colors have a SunMaster70<sup>™</sup> coating, and solid colors have a SunMaster50<sup>®</sup> coating.



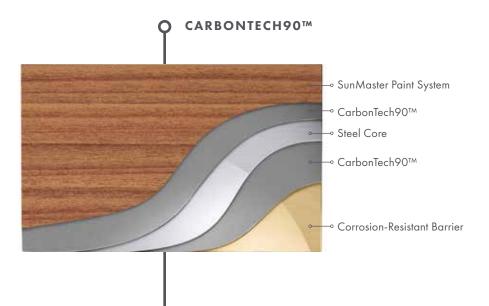




Polyester

**Ó** STYLE IN EVERY DIRECTION

Vesta's patent-pending profile supports vertical and horizontal installation to accentuate any homefrom siding to underdecking to porch ceiling and soffit. Staggered or structured seaming for varied texture and mix-and-match woodgrains offer limitless applications.



O STACK-LOCK<sup>™</sup> INSTALL

# FEEL-GOOD PERFORMANCE



SUNMASTER PAINT SYSTEM

#### LOOKS COOL, KEEPS YOU COOL Ο

Not only does SunMaster keep your home looking good, it also provides excellent resistance against wear, abrasion and mold. SunMaster possesses low thermal conductivity, saving you from spiking seasonal energy bill costs and the desaturating effects of UV damage. With zero off-gassing properties and the ability to self-extinguish from fire, Vesta is technologically engineered to weather the most unpredictable situations life can invent. Vesta is peace of mind.

#### LAYERING IS IN Ο

Every square inch of Vesta is protected by CarbonTech90™, a metallurgically bonded zinc barrier that permanently and sacrificially seals it from the environment which prevents corrosion, galvanization and rusting.

#### **Ó** EASY DOES IT

Vesta's stacking panels provide a consistent reveal whether installed vertically or horizontally. Stacking panels are specially contoured to provide swift and gap-free assembly.

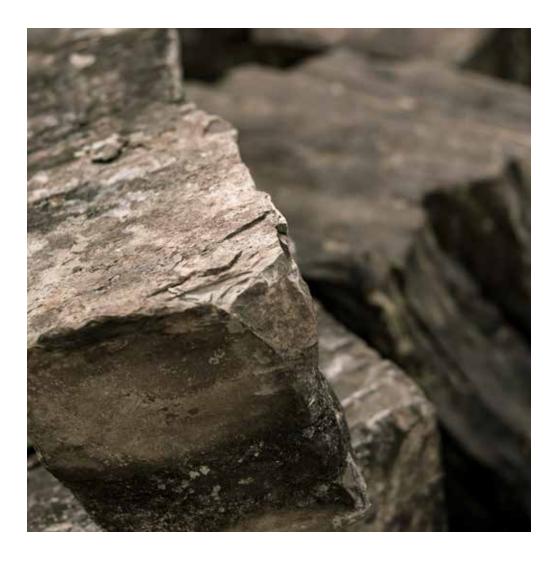
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#### O TITAN NOTCH™



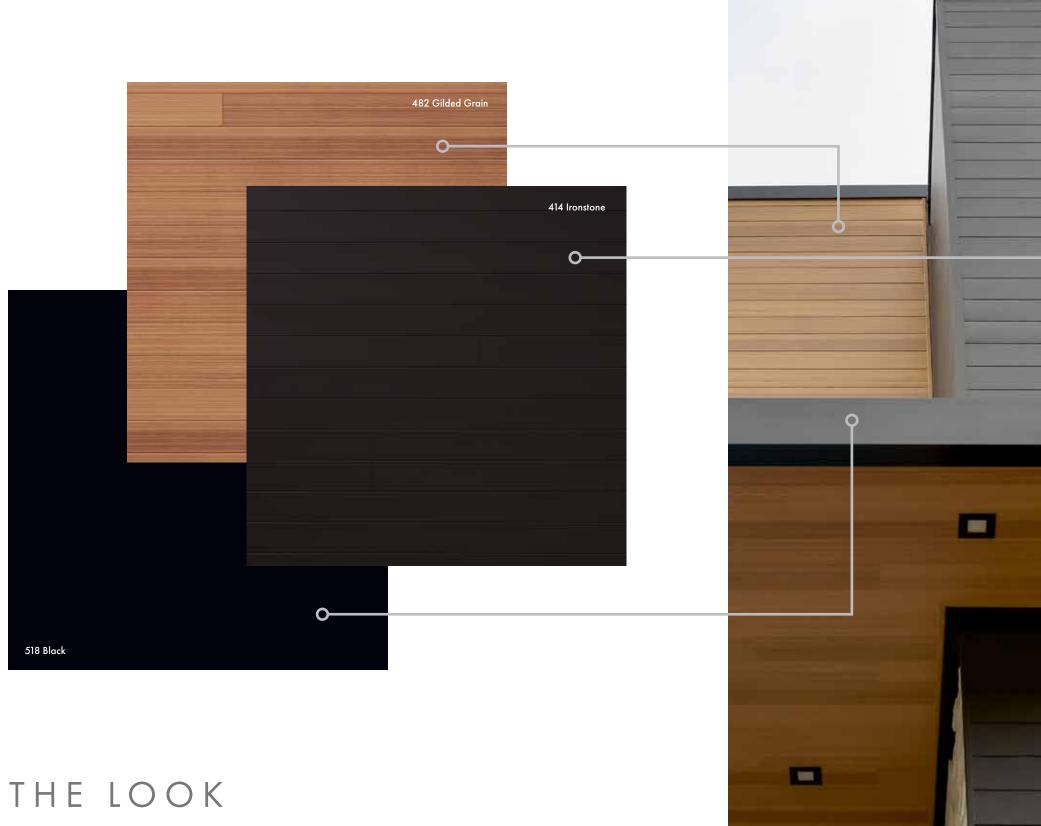
#### O COME RAIN OR SHINE

Vesta is engineered to provide a triple-threat weather defense. First, long, narrow stacking seams form a flat, elementresistant surface. Second, built-in breathing ducts promote air circulation between joint seams and behind the building surface. And finally, interlocking pieces form element-tested channels designed to divert moisture out of and away from the surface seams.



# IRONSTONE





- Vesta Plank in Ironstone
- Vesta Plank as porch ceiling and siding in Gilded Grain
  Fascia, drip edge and window trim in Black











# THE PERFECT COMBINATION



Structural Performance

COUR CH

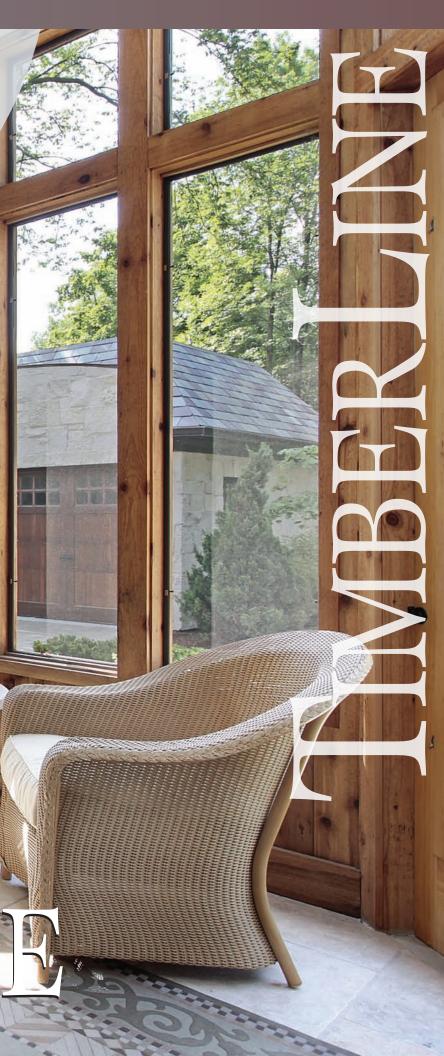
- Thermal Performance
- Sound Performance
- IDEA Essentials

11-12

anin

### **OPTICORE** TECHNOLOGY DESIGN

OptiCore Technology <sup>™</sup> is Quaker's Patent Pending design technology that allows a single framing system to offer both a wood or aluminum interior and generate performance, thermal and STC that set it apart from other wood, aluminum and even vinyl windows thermally.



# ALUMINUM

Wood Windows That Endure The TimberLine Wood Window Series truly is the evolution of wood windows. Specially designed and engineered to create a long-lasting, window that offers the beauty of wood in combination with advanced OptiCore Technology that ensures superior thermal and structural performance while offering a myriad of IDEA options for your home.





WOOD

Wood Interior Architectural Grade Aluminum Exterior

Architectural Grade Aluminum Interior Architectural Grade Aluminum Exterior

### The Evolution Continues

The CityLine Series of windows provides a unique balance of strength, energy efficiency, innovative design and flexibility. By leveraging our years of advanced architectural design, engineering expertise and manufacturing capabilities we are able to deliver the next generation of thermally enhanced residential architectural grade aluminum windows featuring OptiCore technology.



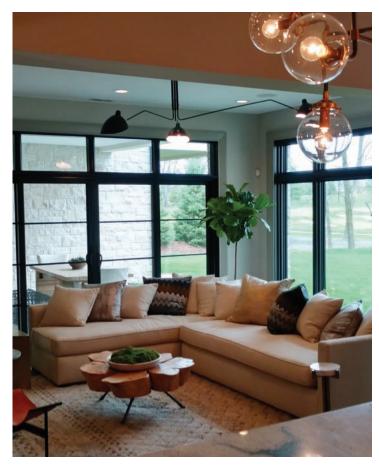
# Strong. Beautiful. Energy Efficient.

CityLine and TimberLine Windows

All this and more can be yours with the CityLine and TimberLine Series of Windows featuring OptiCore Technology from Quaker. So many options with so many different design possibilities.

# Superior Structural Performance

Quaker CityLine and TimberLine windows offer superior structural performance. For homeowners, builders, developers and architects, the difficult challenge in the past was that they had to compromise on energy efficiency if they wanted windows that offered strength and durability. The same was true if energy efficiency was the key feature when selecting windows. Now, compromise is eliminated with OptiCore Technology enhanced windows.





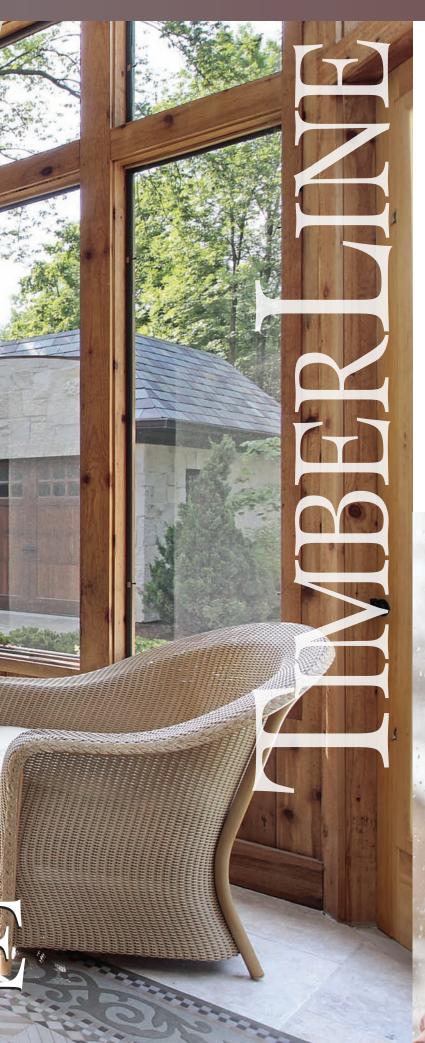
# Advanced Thermal Performance

Energy efficiency in windows is more important than it has ever been. Lower fuel bills, healthier environment with the reduction in greenhouse gas emissions, better home insulation, tax credits and reduced window maintenance are key benefits of energy efficient windows. CityLine and TimberLine windows provide superior thermal performance, which translate to exceptional energy efficiency.

## Excellent STC-Sound Performance

Outside noise from traffic and neighbors can affect your comfort levels and even your sleep patterns. One of the easiest ways to reduce outside noise pollution and afford you more inside sound privacy is with Quaker windows featuring OptiCore technology. Our windows help to create a more comfortable and healthier environment for you and your family by offering a variety of glass packages designed to reduce sound transmitted through your windows.





# IDEA ESSENTIALS

Innovative Design Enhanced Adaptability

### CityLine and TimberLine Windows

The Quaker IDEA Essentials offer you the design flexibility to realize your vision, without compromising strength, durability or energy efficiency. Wood or Aluminum Interior. Aluminum exterior. Different colors. Imagine large beautiful rich looking wood windows on the interior of your home and sleek Agate Grey aluminum windows for the exterior. Or you may prefer New Bone White Aluminum windows on the interior and Moss Green Aluminum windows on the exterior. Whatever you envision, Quaker has the IDEA Essentials to turn it into reality.



# Interior and Exterior Features

Select a modern square or more traditional beveled glazing system with internal grids, or SDL "Simulated Divided Lites" to reflect your own design style. For larger windows, OptiCore windows feature contemporary low profile architectural grade hardware designed for maximum ease of operation.

# Size and Combination Flexibility

Assorted combinations and sizes offer you expansive views, more natural daylight and the ability to enjoy your outside environment year round from the comfort of your home. Quaker OptiCore windows feature larger size and combination options while maintaining the performance levels of a commercial rated architectural product.

## Installation Options

CityLine and Timberline windows offer a variety of labor saving installation options that can save you money, installation time and enhance the long lasting performance of your windows.

\*Patent Pending



# The Quaker Difference For 70 Years

The Quaker Difference seal and promise is a standard of quality, engineering, craftsmanship and innovation that Quaker builds into every window and door. It is that attention to detail and manufacturing excellence that distinguishes Quaker from all other window and door companies in America. It is providing more than windows, it's providing the "Right Solution" for our customers.



Note: Although every effort is made, printed colors may not accurately reflect the actual paint color. For an exact color match, please contact your Quaker dealer for an actual color sample. Quaker does not assume any responsibility for any misrepresentations of our colors.



An American Company founded in 1949.







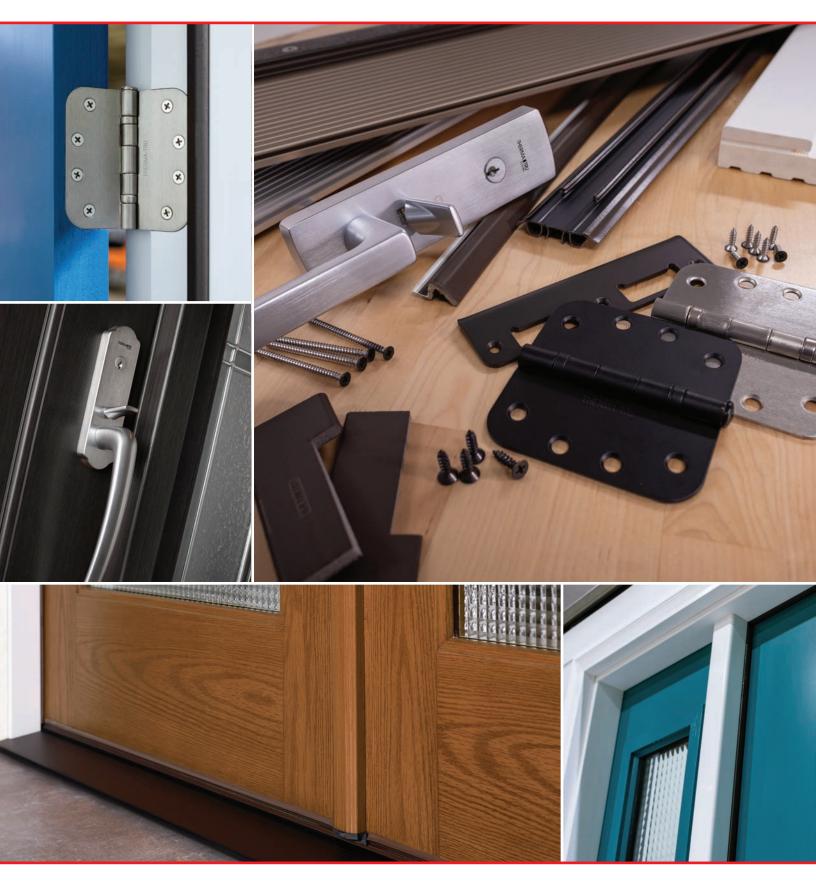






# A Complete Door System



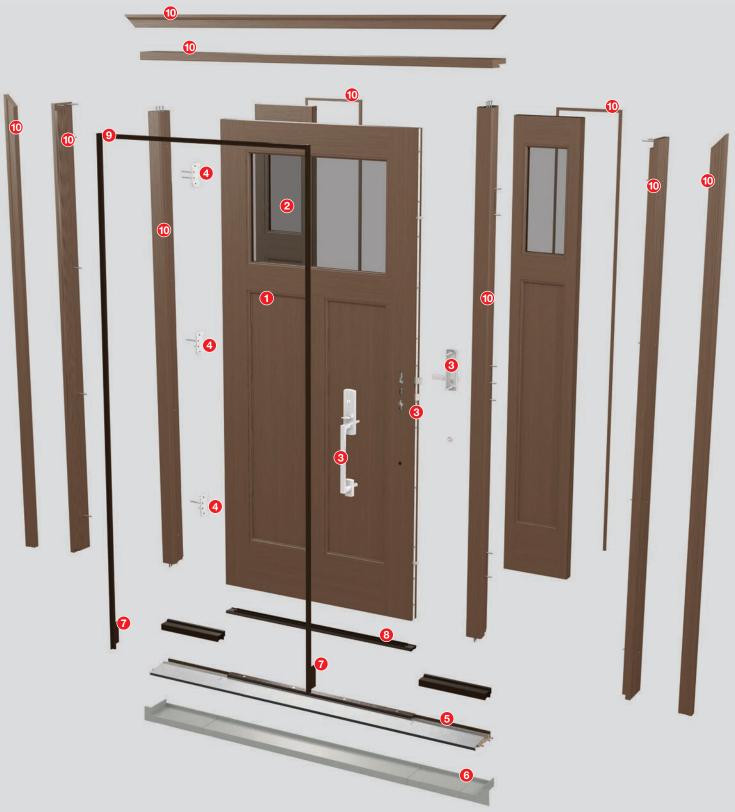


Uncompromising quality, inside and out.

## Engineered to work together.

A Therma-Tru<sub>•</sub> door system with genuine Therma-Tru components is engineered with craftsman precision to help provide weather resistance and energy efficiency. So when a homeowner chooses a complete Therma-Tru door system, you can be confident it will perform as exceptionally as it looks.

Therma-Tru specifies all of the components to work together at the most critical points where an ordinary door system's performance can fail, letting in air and moisture.



### A Complete Door System



#### **1** Fiberglass Door Panel

Delivers years of low-maintenance durability. Unlike wood, fiberglass will not warp or rot. Unlike steel, it will not dent or rust.



 Corner Seal Pads (Inswing Only)
 Fit securely behind the weatherstrip to help block wind-driven moisture infiltration at the bottom corner of the door system.
 More on page 20.



#### 2 Glass

Welcomes natural light into the home and is available in a variety of styles, many featuring triple-pane construction.



 Bottom Sweeps (Inswing Only) A dual-bulb, dual-fin design helps maintain tight contact with adjustable sill caps and creates added barriers against moisture.
 More on pages 15–17.



 Multi-Point Locking System (Recommended)
 Engages the door and frame at three points from top to bottom for enhanced sealing and security.
 More on pages 22–24.



9 Weatherstrip

Features a resilient design to help deliver a precise seal between the door and frame. *More on page 21.* 



#### 4 Hinges

Ensure smooth operation and position the door so it creates a tight seal with the weatherstrip when closed. *More on page 19.* 



Composite Door Frame\* Provides a rot-free solution that delivers extra protection from the damaging effects of moisture. More on pages 10–13.



#### 5 Sills

Provides a solid stepping surface and forms a tight seal at the bottom of the door system to help channel moisture away from the home. *More on pages 14–18.* 



#### Astragals

Cover the margin between double doors to help complete the seal against air and moisture infiltration, with aluminum construction for stability, holding power and durability.

More on page 25.



#### 6 Sill Pan

Adds an extra layer of protection to help keep moisture away from the subfloor. *More on page 15.* 

Need help determining which parts you need for your Therma-Tru door system? See pages 26–27 for more information.

### Backed by our lifetime limited warranty.

We can stand behind more parts and for longer than most other door companies because we make or specify everything that goes into our door systems. The homeowner has one source, Therma-Tru, to turn to if an issue arises with the door system.<sup>1</sup> Other companies either don't warrant as many parts of the door system or warrant them for a shorter period of time. That could leave the homeowner without coverage and confused about who to turn to if issues arise.







Warranty Coverage			17 45		4		$\left[ \prod \right]$
	Door Panel	Glass & Lite Frame	Multi-Point Locking Mechanism <sup>2</sup>	Sill & Hinges <sup>2</sup>	Corner Seal Pads <sup>3</sup>	Bottom Sweep <sup>3</sup> & Weatherstrip <sup>3</sup>	Composite Door Frame*
Therma-Tru. Classic Craft. 1x Transferable Lifetime Limited Warranty	LIFETIME 1x Transferable	LIFETIME 1x Transferable	LIFETIME 1x Transferable	LIFETIME 1x Transferable	LIFETIME 1x Transferable	LIFETIME 1x Transferable	LIFETIME 1x Transferable
Therma-Tru₀ Fiberglass Doors Lifetime Limited Warranty	LIFETIME	LIFETIME	LIFETIME	LIFETIME	LIFETIME	LIFETIME	LIFETIME + 10 Year Transferable Warranty Rider
Other Fiberglass & Wood Door Companies' Warranties	1 Year-Lifetime	0–20 Years	0 Years	0 Years	0 Years	0 Years	0 Years-Lifetime

Note: See your Therma-Tru seller or visit www.thermatru.com for details on ENERGY STAR qualified products and for details on limited warranties and exclusions.

\*See your Therma-Tru seller for details on product availability. <sup>1</sup>Excluding improper assembly of components into a door system by the distributor, dealer, builder or remodeler, and the installation of the door system. <sup>2</sup>Excluding installations within 5 miles of a body of salt water and the finish. <sup>3</sup>Excluding normal wear and tear.



### Contributing to an energy-efficient home.



More than 80% of Therma-Trua door and glass options are ENERGY STARa qualified, contributing to an energy-efficient home. By helping to keep heating and air conditioning sealed in the house, a complete door system can provide a boost to home energy efficiency.

\*Manufacturer's Test Facility Quality Assurance Validation Program, Architectural Testing, Inc. Note: See your Therma-Tru seller or visit www.thermatru.com for details on ENERGY STAR qualified products.

6 Top: Smooth-Star Door - S1100

### Quality tested to meet tough expectations.

Genuine Therma-Tru<sub>\*</sub> components are put through multiple rigorous tests to help ensure that they will live up to a homeowner's toughest quality and performance expectations. We even have our own engineering lab – approved to perform specific test methods with a third-party witness\* – as part of our ongoing commitment to ensuring that our products live up to our high standards for durability and reliability.

#### Tested for endurance.



The door is opened and closed repeatedly. The slam test is performed to commercial standards (AAMA 920), which are stricter than residential requirements, to help ensure long-lasting durability and reliability.

#### Confidence on the coast.



Components are immersed in a simulated salt water fog. The salt fog immersion test (ASTM B117) simulates a highly corrosive atmosphere to help ensure that components with metal finishes resist corrosion.

#### Ready for winter weather.



Exposing our glass to weather-like conditions helps verify that moisture and condensation will not get trapped inside.

#### Resists deterioration and color fading.



Components are subjected to accelerated amounts of UV (ultraviolet) light. Our QUV test helps ensure that weathersealing components and components with a colored finish resist deterioration and color fading with exposure to direct sunlight.

#### Tough when you need it.



A heavy object is repeatedly rolled back and forth over the sill. Our barrel roll test simulates moving household appliances in and out of the house on a dolly. This test helps ensure the long-lasting durability and reliability of our sills.

#### Strength in a hurricane.



Our Impact-rated doors pass a large missile impact test. We blast a 9 lb. 2" x 4" stud into the doors at 34 mph to prove they're the better choice for strength and stability.

#### Superior sound dampening.

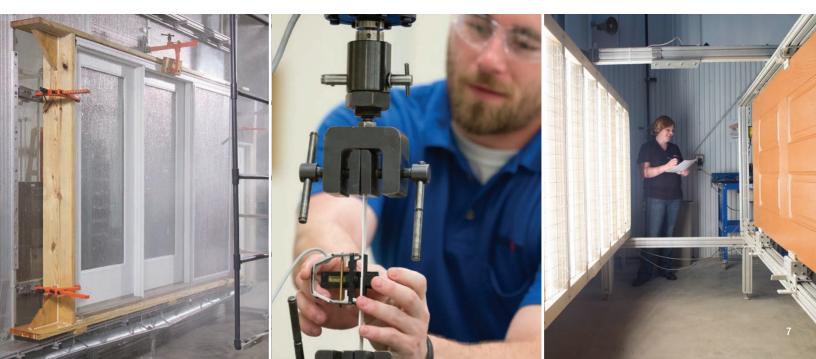


Therma-Tru Sound Transmission Class- (STC) rated Noise Reduction doors deliver aesthetics with a commercial level of performance for residential projects.

#### High power testing.



Design Pressure (DP) ratings are based on a Therma-Tru door system's performance in Structural Wind Load. As an example: A DP-50 structural performance rating indicates that the door system has passed a structural test pressure of 75 lbs. per sq. ft. which is equal to a 165 mph wind.



### Tru-Defense. Warranty Rider

A Therma-Tru<sub>a</sub> door system with Tru-Defense system components is a high-performing door system backed by a lifetime limited warranty and a comprehensive Tru-Defense Warranty Rider.



### Tru-Defense: The Ultimate Protection

More than beautiful doors and glass; a complete door system includes the components used to assemble it. We manufacture or specify every aspect of a complete door system. The Therma-Tru<sub>\*</sub> genuine components in a Tru-Defense door system are our premium options for long-lasting durability.

#### **Double Your Peace of Mind**

When it comes to door systems, we believe that proper installation is just as important as having the best components. A Tru-Defense door system installed by a Therma-Tru Certified Door System Installer doubles your reimbursement eligibility should an issue arise.\* Look for the () icon.



\*The Rider does not warrant workmanship of anyone who assembles or installs a Tru-Defense door system, including Therma-Tru Certified Door System Installers, nor any damages caused by improper handling, assembly or installation.

- \*\*See the Tru-Defense warranty rider for complete details on qualifying components.
- \*\*\*Latch and deadbolt must meet Therma-Tru specifications.

Note: See your Therma-Tru seller or visit www.thermatru.com for details on limited warranties and exclusions.

Top: Classic Craft Canvas, Provincial Glass, Door - CCV10028, Sidelites - CCV108SL, Transom - CC420T, Finish - Chestnut

### Required Components for Tru-Defense Door System\*\* with Therma-Tru Fiberglass Door Slab & Components



the door slab and components. Recommended: Therma-Tru **Composite Door Frame** 

Door Frame 💠

Provides a solid structure for



Composite Adjustable Sill 🌵 Provides a solid stepping surface and forms a tight seal at the bottom of the door system to help channel moisture away from the home.

Bottom Sweep 🗣 (Inswing Only)

helps maintain tight contact with

adjustable sill caps and creates

added barriers against moisture.

A dual-bulb, dual-fin design





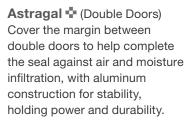


#### Corner Seal Pads 📫

(Inswing Only) Fit securely behind the weatherstrip to help block wind-driven moisture infiltration at the bottom corner of the door system.

Weatherstrip 📫

Features a resilient design to help deliver a precise seal between the door and frame.



#### Rain Guard 💠

(Outswing Only) Creates a barrier at the top of the door to protect against moisture infiltration.

Hinges 💠

Ensure smooth operation and position the door so it creates a tight seal with the weatherstrip when closed.



### **Recommended Components**



#### Multi-Point Locking System 💠 (MPLS)

Engages the door and frame at three points from top to bottom for enhanced security and sealing.

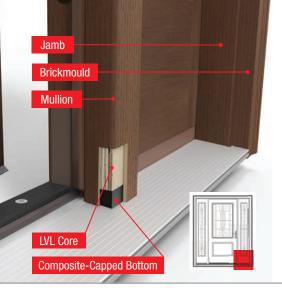


#### Sill Pan 💠

Adds an extra layer of protection to help keep moisture away from the subfloor; protects flooring by catching and draining water in the event of infiltration.

Levels of Reimbursement								
System Components	Reimbursement Eligibility	<b>NEW</b> Reimbursement Eligibility with a Certified Installer						
Latch & Deadbolt (No Sill Pan)***	\$250	\$500						
Latch & Deadbolt with Sill Pan***	\$500	\$1,000						
MPLS (No Sill Pan)	\$1,000	\$2,000						
MPLS with Sill Pan	\$1,250 New for 2021	\$2,500 New for 2021						

Baseline components required to qualify for the Tru-Defense Warranty Rider. Look for components with the (+) icon.



### **TRU** GUARD COMPOSITE TECHNOLOGY

#### **Available Textures**



#### **Buff Grained**

- Ready to finish.
- Features a universal wood grain to complement a wide range of grain species.
- Stain or paint to complement the entry no sanding or priming required.



#### Ready to install. White Smooth Ready to finish.

- Features a matte finish similar to painted wood and includes a protective layer with UV inhibitors to help resist yellowing and fading.
- Ready to install as-is no painting required. Or finish with stain or paint to complement the entry - no sanding or priming required.

### Composite Door Frame\* featuring Tru-Guard Composite Technology

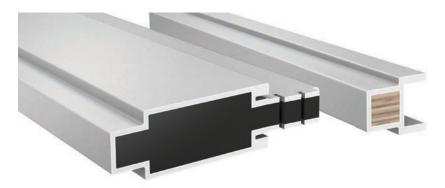
Therma-Tru, composite door frame featuring Tru-Guard, composite technology provides a rot-free solution engineered to work together with rot-resistant Therma-Tru doors and components.

- Delivers extra protection from the damaging effects of outside elements for peace of mind.
- Eliminates the risk of rot and wood-ingesting insects with a durable composite material that is virtually maintenance free. Rot-free door frame does not absorb moisture and resists mold, mildew and fungus.



#### **Reinforced Mullions**

Provide additional structural support and stability. All mullions are reinforced with a co-extruded (A) LVL core to provide additional structural support and stability and feature a **B** composite-capped bottom to eliminate the risk of water absorption and maintain a rot-free composite exterior.



### **NEW Storm Door-Ready Mullion & Adaptor**

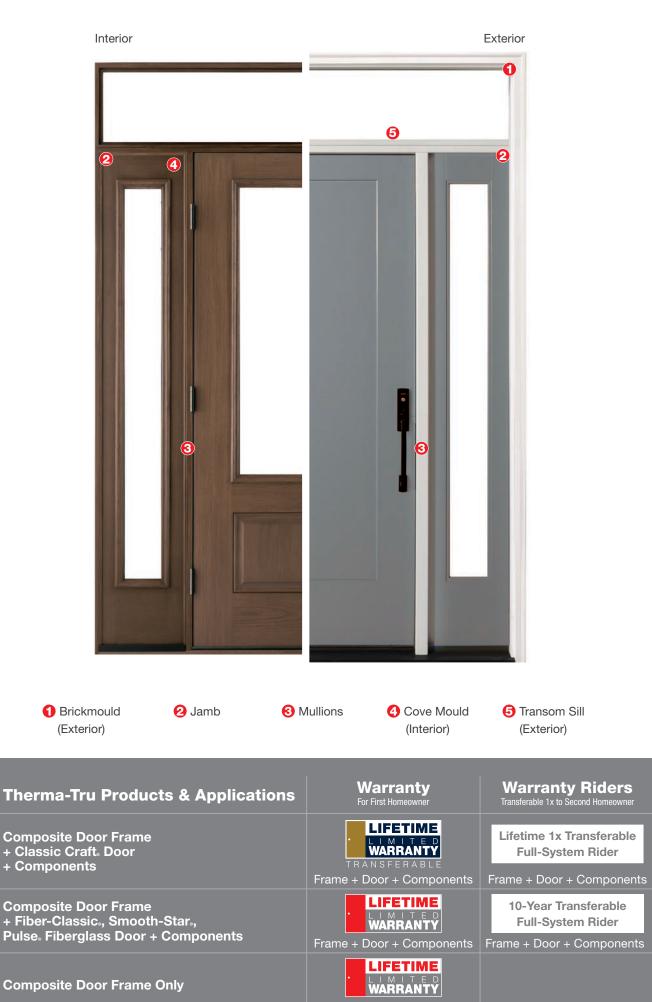
Innovative design helps reduce time, labor and inventory complexity while simplifying the storm door installation process.

- · Storm door-ready mullion is available for common depths of 4-9/16" and 6-9/16".
- A storm door-ready mullion adaptor is also available for unique depths up to 7-9/16".

\*See your Therma-Tru seller for details on product availability.

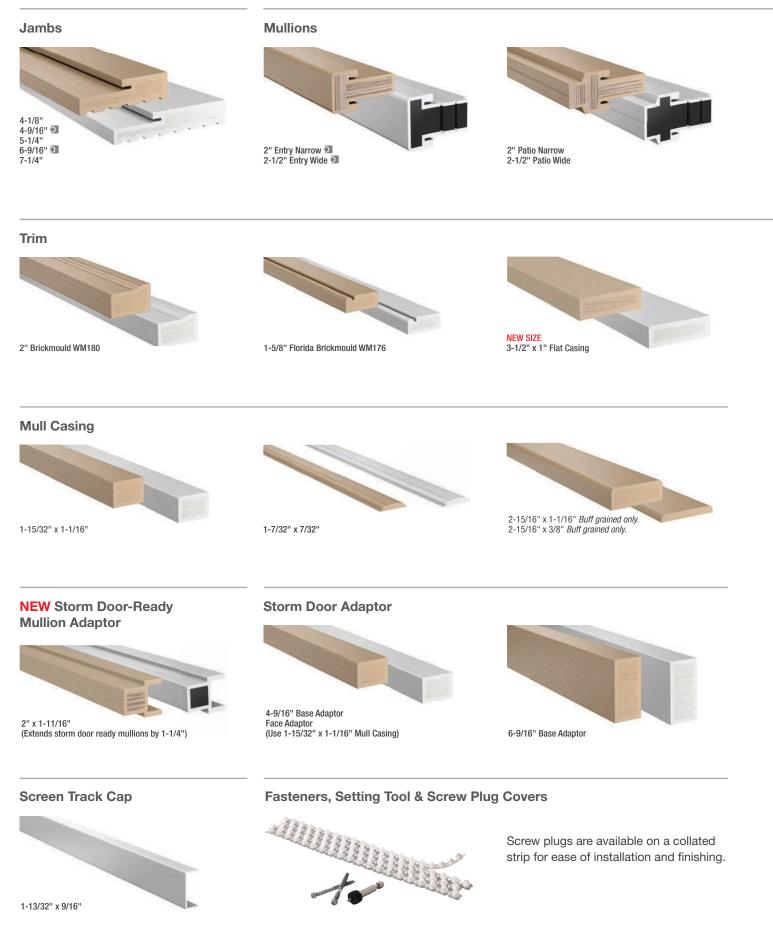
10

Note: See your Therma-Tru seller or visit www.thermatru.com for details on available product sizes and options, limited warranties and exclusions, and Rider. Frame-only warranty option for customers without a Therma-Tru door system.



### Therma-Tru. Composite Door Frame Parts

See your Therma-Tru seller for a full list of available product sizes and options.



#### **Pre-Inserted Weatherstrip Option**

#### **NEW Storm Door-Ready Mullions**



Select white smooth composite jambs and mullions, pre-machined for hinges and locks, are available with a convenient pre-inserted weatherstrip option for a quicker install. Look for the ( ) icon.







7/16" x 5/16" Cove Mould

**Transom Sills** 





#### **Code-Compliant Options**

Therma-Tru composite door frame delivers the durability and reliability you expect from Therma-Tru with options to meet select national and local building code requirements.\*

Impact-rated to meet high-wind and coastal region codes and regulations, offering excellent performance in extreme weather conditions while providing added protection.\*

20 mo reo mi

20-minute Fire-rated to meet most national and local code requirements for house-to-garage, multi-family residential and hotel / motel unit entries.\*

#### **Protection From the Elements**



#### **Resists Moisture & Humidity**

Composite door frames feature completely composite exteriors that resist humidity and moisture to help eliminate the risk of swelling and cracking.



#### **Resists Mold & Rot**

A composite door frame does not absorb or retain moisture helping to eliminate the risk of mold and rot.

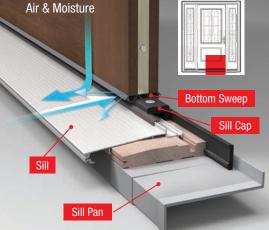


#### **Resists Insects**

With no exposed wood, Therma-Tru composite door frames help protect from wood-ingesting insects.

\*To confirm code requirements in your jurisdiction, always check with your local building code authority.

Note: See your Therma-Tru seller or visit www.thermatru.com for product approvals and installation instructions. Always confirm building code requirements in your area before buying. Follow weather and news reports to assess severe weather situations and obey local authorities' shelter and evacuation orders. No product guarantees safety for persons or property, nor makes any premises hurricane- or impact-proof. To see full results of third-party Intertek, Warnock-Hersey testing, visit www.thermatru.com/berformancedata.



### Sills, Bottom Sweeps, Sill Pan & Sill Covers

Genuine Therma-Tru, sills and bottom sweeps help form a tight seal against wind-driven moisture infiltration at the bottom of the door system and help channel moisture away from the home. The sill pan (recommended) adds an extra layer of protection to help keep moisture away from the subfloor.



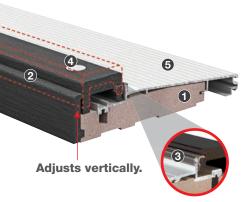
#### **Inswing Sills**

- Designed to mate with our inswing bottom sweeps to help seal the margin between the door and sill.
- Help channel moisture away from the home with a 6-degree sloped ramp.
- Help provide a solid stepping surface with a slip-resistant tread pattern on the approach.
- A thermal break helps stop cold and heat from traveling through the sill and forming condensation inside the home.
- Offered in a variety of materials with features to meet the needs of different climates and exposures.

See finish options on page 18.

#### Adjustable for long-lasting performance.

Genuine Therma-Tru sills are engineered with features to help minimize the potential for leaks and drafts. Our adjustable sills allow the sill cap to adjust vertically to close gaps over time, helping to maintain a tight seal between the sill and bottom of the door.



4

5

#### Composite Adjustable Sill 💠

- Extra thick, continuous all-composite substrate.
- **2** Thick, through-colored composite cap and nosing, featuring a wood-grained appearance.
- 3 High-dam, narrow cap mates with the dual-bulb bottom sweep to deflect moisture away from the cap; engineered U-shaped weather seal creates an added barrier against wind-driven moisture.
- Flush-fitting, premium screws form an uninterrupted sealing surface, resist corrosion, and adjust the cap to help maintain a tight seal.
- Thick, 15-gauge aluminum approach provides excellent durability.

Note: Continuous length available with spread mullion capability to fill 49"-75" rough openings. See the Therma-Tru 2021 Architectural Details & Components manual for actual unit size specifications.

#### Hardwood Adjustable Sill

- Continuous moisture-resistant treated Pine substrate provides a solid stepping surface and resists rot.
- 2 Durable hardwood cap and nosing stands up to wear and can be stained to match the door and trim.
- 3 High-dam, narrow cap mates with the dual-bulb bottom sweep to help deflect moisture away from the cap; engineered U-shaped weather seal creates an added barrier against wind-driven moisture infiltration.
- G Flush-fitting zinc dichromate screws form an uninterrupted sealing surface, resist corrosion, and adjust the cap vertically to help maintain a tight seal over time.
- **5** Thick, 15-gauge aluminum approach provides excellent durability and a solid stepping surface.

#### Basic Composite Adjustable Sill

• Continuous moisture- and insect-resistant all-composite injection molded substrate provides a solid stepping surface and superior rot-resistance.

O Moisture- and insect-resistant composite cap and nosing resists rot.

- High-dam cap mates with the dual-bulb bottom sweep to help deflect moisture away from the cap.
- Inc dichromate screws with removable screw caps adjust to help maintain a tight seal over time.
- **6** Thick, 15-gauge aluminum approach provides excellent durability and a solid stepping surface.

#### **Basic Fixed Sill**

- Continuous moisture-resistant treated Pine substrate provides a solid stepping surface and resists rot.
- Slanted cap and nosing mates with the single-bulb bottom sweep to help form a tight seal.
- **3** 17-gauge aluminum approach provides a solid stepping surface.

#### Inswing Bottom Sweeps

- Designed to mate with our inswing sill caps to help seal the margin between the door and sill.
- Kerf-applied to fit securely into the bottom of the door to help protect against moisture penetration.
- Heavy-duty material resists deterioration, holding its shape to help maintain contact over time.

2"



 Dual bulbs help maintain full contact with narrow sill caps.
 Dual fins create added barriers against moisture infiltration.
 Integrated rain deflector helps push moisture away from the cap.
 Sills: Composite Adjustable | Hardwood Adjustable | Basic Composite Adjustable Colors: Bronze | White



3-1/4"

Available for 4-9/16" sills only.

Single bulb helps maintain tight contact with slanted sill caps.

Multiple fins help block moisture infiltration and deflect moisture away from the cap.
 Sall: Basic Fixed
 Color: Bronze

**Inswing Sill Extenders** 

# 1" 1-3%"

3

Available for 3-1/4" and 5-3/4" sills only.

## Inactive Door Bottom



Sills: Composite Adjustable Hardwood Adjustable

Note: Non-kerf-applied option available for

replacement applications.

Color: Bronze

#### Sill Pan (Recommended – Inswing Only)



Fits between the sill and subfloor for an added layer of protection against moisture.

- Engineered with sloped channels to help collect and drain moisture away.
- Moisture- and insect-resistant composite construction resists rot.
- Molded corners allow for a continuous seal, unlike wraps or site-made alternatives.





#### **Outswing Sills**

- Allow for a tight seal between the subfloor and door for superior performance against wind, air and water infiltration.
- Help provide a solid stepping surface with a slip-resistant tread pattern on the approach.
- Some options include a thermal break, helping stop cold and heat from traveling through the sill and forming condensation inside the home.
- Offered in a variety of materials with features to meet the needs of different climates and exposures.

See finish options on page 18.



#### Composite Outswing Sill

- Extra thick, continuous moisture- and insect-resistant all-composite substrate provides a solid stepping surface and superior rot resistance.
- 2 Thick, through-colored moisture- and insect-resistant composite cap and nosing resists wear and rot, featuring a realistic wood-grained appearance to complement home interiors.
- Integrated removable weatherstrip creates a bumper effect, strengthening its seal with wind pressure.
- Thick, 15-gauge aluminum approach provides excellent durability and a solid stepping surface.



#### **Aluminum Sill with Thermal Break**

- Continuous moisture-resistant treated Pine substrate provides a solid stepping surface and resists rot.
- 2 All-aluminum cap resists corrosion.
- Integrated removable weatherstrip creates a bumper effect, strengthening its seal with wind pressure.
- Extra thick, 14-gauge aluminum approach provides excellent durability and a solid stepping surface.

Note: Also available without thermal break for warmer climates.

#### **Outswing Bottom Sweep**

- Designed to provide added protection against wind-driven moisture infiltration at the bottom of the door.
- Kerf-applied to fit securely into the bottom of the door to help protect against moisture penetration.
- Heavy-duty material resists deterioration, holding its shape to help maintain contact over time.



1 Provides added protection at the bottom of the door.

Integrated rain deflector helps deflect moisture away from the cap.

Sills: Aluminum | Coastal Color: Bronze

#### **Outswing Sill Extender**



Finishes: Lightwood (Premium) Darkwood (Premium)



#### **Coastal Sill**

(Without Thermal Break - For Coastal Regions)

- O Continuous treated Pine substrate provides a solid stepping surface and resists rot.
- All-aluminum cap resists corrosion and features an extra-high profile to provide improved resistance to wind-driven moisture infiltration.
- Integrated removable weatherstrip creates a bumper effect, strengthening its seal with wind pressure.
- Extra thick, 14-gauge aluminum approach provides excellent durability and a solid stepping surface.

Note: Helps meet code requirements in HVHZ (High Velocity Hurricane Zone) coastal regions.\*



#### **ADA Applications**

#### **Public Access Sill with Thermal Break**

(For ADA Applications - Inswing / Outswing)

- Meets code requirements for Americans with Disabilities Act- (ADA) compliant applications.\*
- Allows for a seal between the subfloor and door to help block wind-driven moisture infiltration.
- Designed to mate with our ADA bottom sweep to help seal the margin between the door and sill.



- 1 All-aluminum construction resists corrosion.
- **2** 1/2"-high uninterrupted surface features an ADA-compliant 1:2 ramp slope ratio.
- 3 An epoxy thermal break helps stop cold and heat from traveling through the sill and forming condensation inside the home.

Note: Also available without thermal break for warmer climates. Door systems built with public access sills have little resistance to water penetration and have a potential to leak if installed exposed to weather. We recommend these systems be installed away from weather under large soffits or overhangs.

#### Bottom Sweep (ADA / Replacement)

- Designed to mate with our public access sill to help seal the margin between the door and sill.
- Heavy-duty material resists deterioration, holding its shape to help maintain contact over time.



1 Maintains tight contact with the sill surface.

Multiple fins help deflect moisture away from the cap and block moisture infiltration.
 Sills: Public Access

#### **Sill Protection**

Sill Covers (Recommended)

- Fits over the sill to help protect the sill cap and finish from damage during installation.
- Offered in a variety of options for a custom fit with most of our sills.
- Heavy-duty material withstands wear from moving heavy objects back and forth over the sill.

Note: Shown over composite adjustable sill.

### Finish Options

Therma-Tru offers an array of popular finish options to complement decorative glass caming, and interior and exterior home fixtures, to suit the home's style. Check with your Therma-Tru-seller for available finish and cap options.

#### **Sill Finishes**



Bronze

### **Cap Colors**



**Lightwood** (Premium) Composite Adjustable / Composite Outswing



**Darkwood** (Premium) Composite Adjustable / Composite Outswing



Lightwood (Economy) Basic Composite Adjustable



Darkwood (Economy) Basic Composite Adjustable / Basic Fixed



Hardwood Hardwood Adjustable

<ul> <li>= Available</li> <li>= Not Applicable</li> </ul>	Inswing Options	Composite Adjustable	Hardwood Adjustable	Basic Composite Adjustable	Basic Fixed	<b>Outswing Options</b>	Composite Outswing	Aluminum with Thermal Break	Aluminum without Thermal Break	Coastal	Public Access (Inswing / Outswing)	Public Access (ADA)
Sill Finishes												
Mill												
Bronze										•		
Cap Colors Lightwood			•		•			•	•	•		•
Darkwood			•				÷	•	•	•		•
Hardwood		•		•	•		•	•	•	•		•
	_		-									
Sill Configurations		_	_	_	_		_	_	_	_		_
Single							_					_
French				•			_					
Double Patio				•	•		_	•	•	•		•
Triple Patio			•	•	•		•	•	•	•		•
Lineal	_											
Sidelite Configurations												
Boxed Sidelites			•	•	•		•	•	•	•		•
Single with Sidelites				•	•			•	•	•		•
Single Vented Sidelites			•	•	۰		•	۰	۰	•		•
French Vented Sidelites			•	•	•		•	•	•	•		۰
Depths												
4-9/16"			•					•				
5-3/4"									٠	•		٠
6-%16"		•	•	•	•		•	•	•	•		
7- <sup>3</sup> /4"							•		•	•		•
Substrates												
Composite Extruded			•	•	•			•	•	•		•
Composite Injection Molded			•		•		•	•	•	•		•
Treated Pine		•		•			•					٠
Other Options												
Integrated Thermal Break									•	•		
Screen Rail Available				•	•		÷	•	•	•		•
Sill Extenders Available			-		•		÷	•	•	•		•
Sill Covers Available							÷	•	•	•		•
Tru-Defense Eligible*			•	•	•		÷	•	•	•		•
With Anchor Holes		•	•	•				-	-			-
					•		•			•		

Note: See your Therma-Tru seller for details on available component and finish color combinations.

#### **Hinge Finish Options**



### Hinges

#### Adjustable Hinge 📫

Classic Craft. Ball-Bearing -ANSI (C-Shaped) Hole Pattern 📫

**Finish Options: Bright Brass** Brushed Nickel Black Nickel Polished Chrome Oil Rubbed Bronze

Finish Options:

Brushed Nickel

Polished Chrome

Zinc Dichomate

Oil Rubbed Bronze Stainless Steel

Bright Brass

Black Nickel

(Recommended for Classic Craft premium entryways.)

(Recommended for Classic Craft

Ball bearings help protect each hinge

pivot for added support and stability.

premium entryways.)

Allow the door to be moved horizontally and vertically in the frame, maintaining alignment and keeping the door performing beautifully.





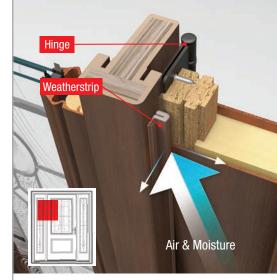












#### Long-lasting, smooth performance.

Genuine Therma-Tru hinges are engineered with long-lasting durability and reliability in mind. They position the door to properly compress the weatherstrip to help form a tight, even seal when the door closes. Without precision engineering in this critical area, the weatherstrip can pinch if the door is too tight or gap if it is too loose, letting air and moisture pass between the door and frame.

- Position the door for proper compression of the weatherstrip to form a tight seal when closed.
- Proper positioning also ensures smooth operation to help resist creaking and uneven wear.
- Offered in a variety of options designed to go with our door systems.
- Hex screws adjust alignment of door in frame.
- Pixed pins prevent door from being taken off hinges.
- **3** Removable pin option allows door to be taken off hinges.
- Ball bearings help protect each hinge pivot, for added support and stability.
- **6** Locating tabs for accurate alignment.
- 6 Security tab prevents door from being taken off hinges by driving out pins.
- Hex screws adjust tension of spring mechanism.
- 8 Self-closing spring mechanism helps pull the door closed.

#### Staggered Hole Pattern 📫 Finish Options: Bright Brass Brushed Nickel Black Nickel Polished Chrome Oil Rubbed Bronze Stainless Steel

(Recommended for Classic Craft premium entryways.)

on outswing applications.

Zinc Dichomate

Ball bearings help protect each hinge pivot for added support and stability. Staggered hole pattern helps simplify assembly process. Note: Non-removable pin option

available with fixed pins, providing security

Self-Aligning Ball-Bearing 中

**NEW** Classic Craft. Ball-Bearing –

**Finish Options:** Bright Brass Brushed Nickel Black Nickel Polished Chrome Oil Rubbed Bronze Stainless Steel **Zinc Dichomate** 

(Recommended for heavier Fiber-Classic, Smooth-Star and Steel doors.) Contains locating tabs to assist in accurate alignment with specific door systems.

#### Self-Aligning 💠

Finish Options: Brushed Nickel Black Nickel\*\* Polished Chrome\*\* Oil Rubbed Bronze Stainless Steel\*\* Zinc Dichomate

Contains locating tabs to provide accurate alignment with specific door systems. Note: Non-removable pin option available with fixed pins. providing security on outswing applications.

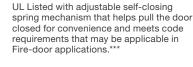
#### Security Tab 📫

Finish Options: Brushed Nickel Stainless Steel Zinc Dichomate

Security tabs prevent door from being taken off hinges, providing security on outswing applications.

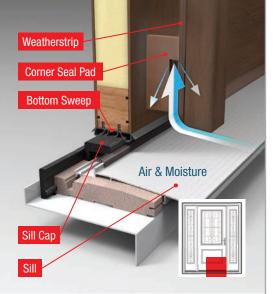
#### Spring-Loaded 📫

**Finish Options:** Brushed Nickel Black Nickel Polished Chrome Oil Rubbed Bronze Stainless Steel Zinc Dichomate



\*For full details on the Tru-Defense Warranty Rider, visit www.thermatru.com/trudefense. \*\*Finishes only available for NRP Hinge.

\*\*\*To confirm code requirements in your jurisdiction, always check with your local building code authority. Note: See your Therma-Tru seller for available component options.



Genuine Therma-Tru. **corner seal pads** (inswing only) complete the seal between the **sill cap**, **bottom sweep** and **weatherstrip** to help block potential pathways where wind-driven moisture can infiltrate the bottom corner of the door system. Without precision engineering in this critical area, wind pressure can push moisture-laden air through the corner and up the frame, leaking into the home and rotting the frame.

- Fit securely behind the weatherstrip to help block wind-driven moisture infiltration.
- Designed to mate with our inswing sills to complement weathersealing performance. (Not recommended for use on outswing applications.)
- Flexible, foam-filled material holds its shape over time, protected by a durable jacket to resist moisture and wear.





#### Classic Craft₀ 7-Shape Pads **↓**

Sills (Inswing Applications Only) Composite Adjustable Hardwood Adjustable Basic Composite Adjustable Public Access

**Colors** Bronze White



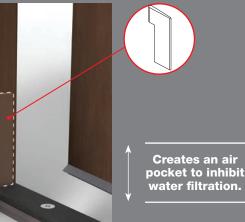
Fiber-Classic. / Smooth-Star. 7-Shape Pads

Sills (Inswing Applications Only) Composite Adjustable Hardwood Adjustable Basic Composite Adjustable Public Access

**Colors** Bronze White



Basic Fixed Pads Sills (Inswing Applications Only) Basic Fixed Colors Bronze



#### Innovative weathersealing solutions.

Genuine Therma-Tru weathersealing components are carefully engineered to maximize the seal between the door and frame. The 7-shape corner seal pad completes our patented jamb assembly. This innovative design creates an air pocket that helps prevent a vacuum from forming and wicking moisture up the weatherstrip and into the home.

### Removable Weatherstrip

- Engineered in a variety of profiles to mate with our door families for a precise seal between the door and frame.
- Kerf-applied to fit securely into the top and sides of the jamb; removable for finishing.
- Resilient design compresses when closed and springs back when open for long-lasting sealing power.
- Flexible, foam-filled material holds its shape over time, protected by a durable jacket to resist moisture and wear.

Colors

Bronze

White

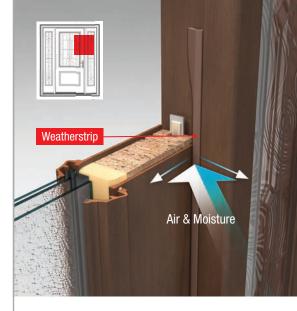


Medium-Reach Weatherstrip •• For square edge doors.



Long-Reach Weatherstrip

**Colors** Bronze White



Genuine Therma-Tru<sup>®</sup> weatherstrip is specifically engineered in a variety of profiles to provide the best possible fit with our door systems, helping to deliver a precise seal between the door and frame. Without precision engineering in this critical area, misfitting weatherstrip can create gaps that allow air and moisture to pass through between the door and jamb.

### Rain Protection (Recommended)

- Helps repel moisture away from areas exposed to wind-driven moisture infiltration, enhancing weather protection.
- Durable aluminum construction on the rain deflector resists corrosion. Durable composite construction on the rain guard resists deterioration.
- Highly recommended for applications directly exposed to wind and rain.



Rain Deflector (Inswing) Pushes moisture away from the bottom of the door.

**Colors** Bronze White



Rain Guard (Outswing) Creates a barrier to moisture at the top of the door.

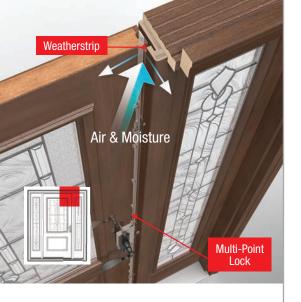
**Colors** Bronze White



Bottom of door; exterior view.

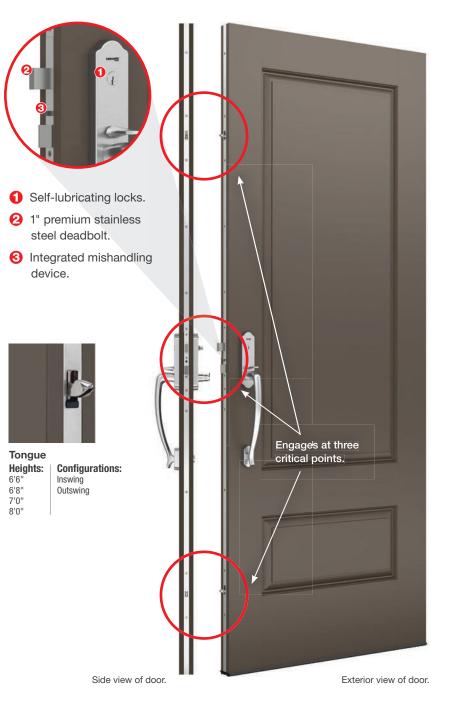


Top of door; exterior view.



Genuine Therma-Tru<sub>\*</sub> multi-point locking systems engage the frame at three points from top to bottom, helping to preserve the seal even under wind pressure. Without precision engineering in this critical area, wind can push the top and bottom corners of the door away from the frame, allowing air and moisture to pass through.

- Provides more engagement of locking hardware than traditional deadbolt assemblies.
- Premium stainless steel construction provides excellent corrosion resistance.
- Highly recommended for 8'0" and double fiberglass door systems. (Not recommended for steel door systems.)



Multi-Point Locking Systems (MPLS)



#### Grip-Style MPLS 🕈

Grip-style handlesets offer an intuitive approach to the multi-point locking system with on-trend aesthetics. A simple 90-degree twist of the thumbturn (interior) or a key (exterior) is all it takes to engage the door frame at three points with no need to lift the handleset lever. An integrated mishandling device protects the door and frame from accidental damage. Features deadbolt located above handleset. (Active option only. Not available for double door systems with an astragal.)



Exterior view of door.

Side view of door.

#### Lever-Style MPLS 💠

Lever-style handlesets bring form and function together with decorative styles. A convenient upward turn of the handle is required before all three points will engage. An integrated mishandling device helps protect the door and frame from accidental damage. Features deadbolt below the handleset.



- Self-lubricating locks. 2 1" premium stainless
- steel deadbolt. 3 Integrated mishandling device.



Tongue Heights: **Configurations:** Inswing Outswing 6'6" 6'8" 7'0' 8'0"



Shootbolt (For door systems with an astragal.) **Configurations:** Heights: 6'6' Inswing 6'8" Outswing 7'0" 8'0"







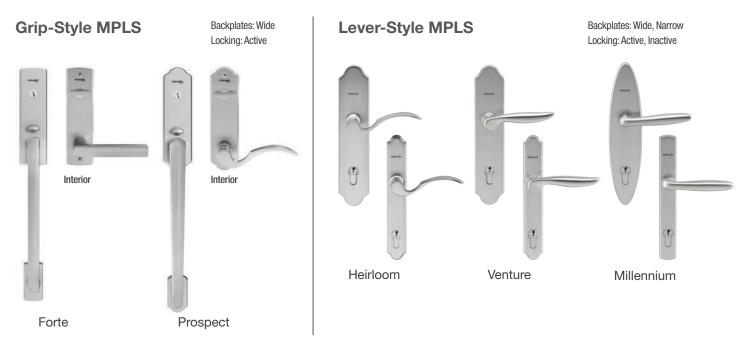
Tongue (Included in vented sidelite units.) Heights: 6'6" 6'8" 8'0"

### **Vented Sidelites MPLS**

Constructed to provide ventilation without sliding screens blocking the view, vented sidelites work as small swinging doors with convenient removable screens. Engineered for durability and safety with wide patio mullions for strength, and multi-point locking gears and recessed strike plates for security.

### Handleset Options for Standard Door MPLS

Designed to complement Therma-Tru, door styles from traditional to contemporary.



**Grip-Style Finish Options** 



#### Lever-Style Finish Options



### Latch & Deadbolt Strike Plate



#### **Adjustable Security Strike Plate**

(Recommended for standard lock and deadbolt handlesets only.)

**Finish Options:** Brushed Nickel Black Nickel Polished Chrome Oil Rubbed Bronze Stainless Steel Zinc Dichomate

A genuine Therma-Tru adjustable security strike plate helps enhance the safety and security of a home, wrapping around the door jamb and fully engaging the frame of the house for added support and strength against forced entry. Our adjustable security strike plates are tested to withstand up to three times the force of standard strike plates.\*

- **1** Wraps around the door jamb for added support and an exact fit.
- 2 -1/2" screws fully engage with the frame of the house for added strength.

Standard vs. Adjustable Security Strike Plate

24

\*ASTM-F476. As tested by an independent laboratory. Not available on certain configurations \*\*To confirm code requirements in your jurisdiction, always check with your local building authority. Note: See your Therma-Tru seller for available component options.



- Attach to the passive door and lock in place with shootbolts to cover the margin between double doors and help complete the seal against air and moisture infiltration.
- Help provide stability, holding power and lasting durability with aluminum construction that provides more strength than wood.
- Offered with a durable, rot-resistant vinyl wrap in a wood-grained, stainable texture or smooth aluminum to complement the look of the door and home.
  - **1** Offered with strike plates to receive a latch and deadbolt or multi-point locking system.
  - 2 Integrated weatherstrip helps form a tight seal between the astragal and active door when closed.
  - 3 Spring clips to engage and disengage the shootbolts.
  - 4 Durable boot engineered to work with the active bottom sweep to complete the seal across the sill.
  - 5 16-1/2" locking steel slide bolt can be vertically adjusted for a secure fit with the sill and frame.



#### Enhanced sealing power.

Genuine Therma-Tru<sub>®</sub> astragals help deliver enhanced sealing power. Our compression-fit astragals feature a secure bottom boot designed to fit tightly to the astragal and engineered to work with the active bottom sweep for an enhanced seal



Note: Shown in Oak grain with Redwood stain.

#### Stainable Shown in Rustic Clay stain.



Oak Grain

Mahogany Grain Fir Grain



Note: Coastal option also available with thicker aluminum construction and a longer shootbolt to provide improved resistance to wind-driven moisture infiltration.\*\*

#### Aluminum



Heights: 6'6" 6'8" 7'0" 8'0" Width:	<b>Configurations:</b> Inswing Outswing Multi-Point Lock Double Bore Left-Handed Right-Handed	Weatherstrip: Bronze
7/8"	Right-Handed	

### Engineered to work together.

Therma-Trua door system components are designed to work together with our door families to create a tight seal.



Most common product positioning shown. Contact your Therma-Tru seller or see tech manual for details and options.





### Turn to the door system experts.

Visit our online replacement parts configurator and helpful videos to learn how to maintain the integrity of a complete door system with genuine Therma-Tru. components – thermatru.com/parts.

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# LOUVER PRODUCTS CATALOG

RCHITECTURAL O.U.V.E.R.S **<u>Attractive Ventilation</u>**: Architectural Louvers combines functionality with unequaled design capability. Use your ventilation requirements to add a memorable design element to your building.



Special shapes, face trim, and various blade types offer a full range of possibilities. Whether you are trying to ventilate an attic space, bring in fresh air, or add decoration to your building, Architectural Louvers can help.

Available finishes include baked enamel, anodized, and high resin content fluoropolymer paint. Standard colors in each of these finish types is available, or select your own color and we will computer match our louver finish to your needs.

				Frame		Water Pen.
	Blade Type	Performance	Model	Depth	Free Area	Rating <sup>1</sup>
	Standard J	Standard	E2JS	2.0"	48.7%	5648 CFM
	Standard J	Standard	E4JS	4.0"	50.4%	7157 CFM
	Standard J	High	E4JP	4.0"	58.4%	8970 CFM
	Standard J	High	E6JP	6.0"	57.3%	10298 CFM
	Standard J	High	E6JN	6.0"	69.1%	9011 CFM
	Baffle K	Standard	E2KS	2.0"	48.7%	5648 CFM
ers	Baffle K	Standard	E4KS	4.0"	50.4%	7157 CFM
Louvers	Baffle K	High	E4KP	4.0"	58.4%	7686 CFM
	Baffle K	High	E6KP	6.0"	57.3%	10298 CFM
Wall	Drainable	Standard	E2DS	2.0"	49.4%	7032 CFM
	Drainable	Standard	E4DS	4.0"	56.0%	8333 CFM
]	Drainable	High	E4DP	4.0"	59.3%	8826 CFM
	Drainable	High	E6DP	6.0"	57.7%	9655 CFM
	Chevron	Wind/Rain	E2WV	2.0"	53.8%	50 mph 8" rainfall
	Chevron	Wind/Rain	E4WH	4.0"	50.6%	50 mph 8" rainfall
	Drainable	Wind/Rain	E4WS	4.0"	56.0%	29 mph 3" rainfall
	Chevron	Wind/Rain	E6WH	6.0"	50.3%	50 mph 8" rainfall

#### Select from our full range of louver products:

<sup>1</sup> - Water penetration is listed as total CFM capability from testing of a 48" Wide x 48" High sample. The total CFM is the louver free area (in square feet) multiplied by the first point of water penetration. Wind driven rain louvers are listed by wind speed and rainfall rate.

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266 West Mitchell Avenue Cincinnati, OH 45232

#### Standard Blade Louvers

#### Standard Performance

Standard blade, standard performance series offers a clean appearance at a low cost. Ideal applications include decorative low air velocity, air exhaust, or special shape louvers.

Include decorati	E2JS		E4:		
	177777777777772C				A
	Frame Depth Blade Spacing Blade Angle Free Area <sup>1</sup> First Point Water <sup>2</sup> Resistance to Air <sup>3</sup>	2.0" 2.0" 45° <b>48.7%</b> 725 fpm 0.07"	Frame Depth Blade Spacing Blade Angle Free Area <sup>1</sup> First Point Water <sup>2</sup> Resistance to Air <sup>3</sup>	4.0" 5.0" 45° <b>50.4%</b> 888 fpm 0.15"	

#### Standard Blade Louvers

#### **High Performance**

High performance series offers higher free areas at reduced resistance to airflow. Used for higher velocities or where high free areas are required.

 or where high free						
E4J	Ρ	E6.	JP	E6	JN	
[]]]]]]]]]]]]]]][						
Frame Depth	4.0"	Frame Depth	6.0"	Frame Depth	6.0"	
Blade Spacing	3.0"	Blade Spacing	4.0"	Blade Spacing	3.0"	
Blade Angle	35°	Blade Angle	35°	Blade Angle	25°	
Free Area <sup>1</sup> First Point Water <sup>2</sup> Resistance to Air <sup>3</sup>	<b>58.4%</b> 960 0.13"	Free Area <sup>1</sup> First Point Water <sup>2</sup> Resistance to Air <sup>3</sup>	<b>57.3%</b> 1123 0.18"	Free Area <sup>1</sup> First Point Water <sup>2</sup> Resistance to Air <sup>3</sup>	<b>69.1%</b> 815 0.12"	

<sup>1</sup> - Free Area is the space between frame and blades divided by the overall wall opening size (based on a size 48" Wide by 48" High)

<sup>2</sup> - First point at which the louver entrains water, based on air intake free area velocities (0.01 oz. of water per square foot)

<sup>3</sup> - Pressure drop of airflow across the louver at the first point of water penetration, expressed in inches water gauge