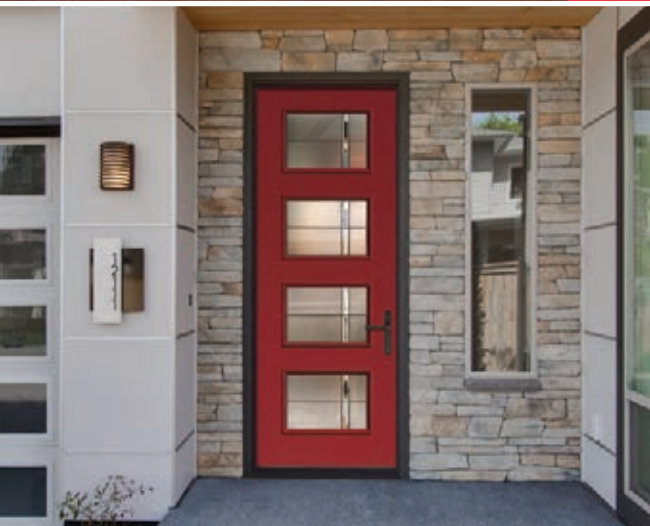




• Uncompromising quality, inside and out.





## Door System Components

Uncompromising quality, inside and out.

The architectural beauty of a Therma-Tru door is easy to see. With the look of real wood, rich panel details and intricate, handcrafted decorative glass designs, there are thousands of possibilities to suit the style of a home and express a homeowner's personal style.

But a Therma-Tru door with genuine Therma-Tru components is more than a beautiful door – it's a complete door system. One that offers uncompromising quality, inside and out.

A homeowner puts a lot of thought into choosing the right door and glass but may not realize the importance of the components used to assemble it. Ask for genuine Therma-Tru components and know that everything will be made to deliver the quality today's homeowner expects from an entrance.

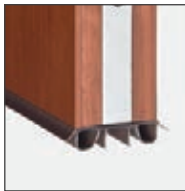
• Ask for genuine Therma-Tru® components.



## A complete door system.



Multi-Point Locking System (Recommended)



Bottom Sweep (Inswing only)



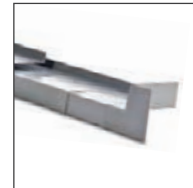
Sill options



Hinges



Corner Seal Pads (Inswing Only)



Sill Pan (Recommended with wood sub flooring)

## Durability and reliability through the years.

When it comes to choosing a durable, long-lasting entrance, why settle for a door system assembled with parts from multiple sources? Unlike other door companies that only supply the door panel, we manufacture or specify every aspect of a complete door system – door panel, glass, components – all made to our high standards for durability and reliability.

For decades we have provided homeowners with more than a door. A Therma-Tru® 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.

Note: See your Therma-Tru seller or visit [www.thermatru.com](http://www.thermatru.com) for details on ENERGY STAR qualified products.

Cover, Top: Fiber-Classic Mahogany Collection, Chord Glass with SDLs, Door – FCM608XC, Sidelites – FCM6126XCSSL, Dentil Shelf

Cover, Bottom Left: Pulse Ari, Axis Glass, Door – S83AX, ©TheHouseDesigners.com

Left Page: Classic-Craft American Style Collection, Arborwatch Glass with SDLs, Door – CCA9300

Top: Classic-Craft American Style Collection, Homeward Glass, Door – CCA211, Sidelites – CCA211SL, Transom – HWRT

## Contributing to an energy-efficient home.

More than 80% of Therma-Tru door and glass options are ENERGY STAR® 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.



# Engineered to work together.

A Therma-Tru door system with genuine Therma-Tru components is engineered to work together at the most critical points where an ordinary door system's performance can fail, letting in air and moisture. By forming a tight seal against drafts and leaks, these genuine Therma-Tru components can help maintain weather resistance and energy efficiency, and help protect the door and home against costly damage and deterioration.

We can stand behind more parts and for longer than other door companies because we make or specify everything that goes into our door systems. A Therma-Tru fiberglass door system with genuine Therma-Tru components is backed by the industry's most comprehensive lifetime limited warranty. Our steel door systems are backed by industry-leading warranties, too.

No one else can offer a homeowner that peace of mind.



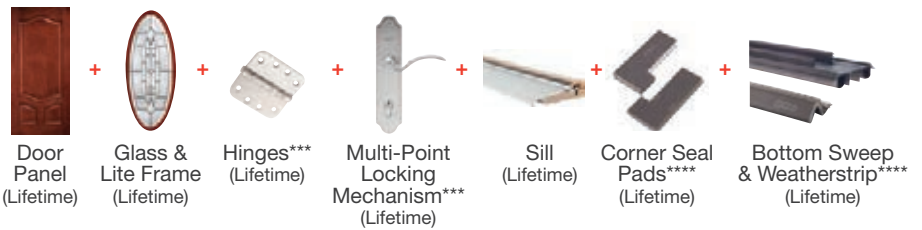
## Backed by our lifetime limited warranty.

### Tru-Defense: The ultimate performance.

Therma-Tru fiberglass doors are also available with our exclusive Tru-Defense. system as an option. It integrates specific components engineered and tested to deliver outstanding performance in all kinds of weather conditions. And it is backed by a Warranty Rider for homeowner peace of mind that provides for cash reimbursement up to \$2,000 that may be used toward secondary damage to flooring and trim, and the labor to make repairs, if water infiltration occurs. For details, visit [www.thermatru.com/trudefense](http://www.thermatru.com/trudefense).

### Therma-Tru. Fiberglass Doors

All of these genuine Therma-Tru components are included in our lifetime limited warranty.\* The homeowner has one source, Therma-Tru, to turn to if an issue arises with the door system.\*\*



### Our Lifetime Limited Warranty

### Other Fiberglass & Wood Doors

Other companies that only supply the door panel either don't warrant as many parts of the door system or warrant them for a shorter period. That could leave the homeowner without coverage and confused about who to turn to if issues arise.



### Other Door Companies' Warranties





**1 Sill and bottom sweep** form a tight seal against wind-driven moisture infiltration at the bottom of the door system and help channel moisture away from the home. **Sill pan** (recommended) adds an extra layer of protection to help keep moisture away from the subfloor.

**2 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.

**3 Hinges** position the **door** to properly compress the **weatherstrip** to help form a tight, even seal against air and moisture infiltration when the door closes.

**4 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**.

**5 Multi-point locking system** (recommended) engages the **door** and **frame** at three points from top to bottom, helping to preserve the **weatherstrip's** seal even under wind pressure.

**6 Lip-lite frames** (shown on the right) feature a **compression seal** against weather on the outside of the **door** and an **adhesive seal** against weather on the outside of the **glass**. **Flush-glazed glass** (shown on the left) is built directly into the door without a Lip-lite frame, featuring a **high-performance adhesive weather seal** inside and out.

\*Excluding primed Pine and Oak frame components.

\*\*Excluding improper assembly of components into a door system by the distributor, dealer, builder or remodeler, and the installation of the door system.

\*\*\*Excluding installations within 5 miles of a body of salt water and the finish.

\*\*\*\*Excluding normal wear and tear.

Note: See your Therma-Tru seller or visit [www.thermatru.com](http://www.thermatru.com) for details on limited warranties and exclusions, and Tru-Defense Rider.

Top: Classic-Craft Rustic Collection, Lucerna Glass, Door – CCR20022, Sidelites – CCR3412SL

## Turn to the door system experts.



### Contact Us

8 a.m. – 6 p.m. Eastern Time

Monday – Friday

1-800-THERMA-TRU (843-7628)

View our online replacement parts configurator, helpful videos and other information at [www.thermatru.com/parts](http://www.thermatru.com/parts).

A complete door system from a single company also means the convenience of one expert to turn to for everything from customer support to technical training. As the inventor of the fiberglass door with decades of expertise in engineering high-performing door systems, we are uniquely qualified to do this.

- Year after year, Therma-Tru is the most preferred brand of exterior doors chosen by builders and remodelers.\* And our industry reputation is one homeowners can believe in, too.
- We place a lot of emphasis on achieving the highest level of customer satisfaction. Should any issues arise during or after installation, we'll address them in a professional, timely manner.
- We offer convenient online tools and resources to advise a homeowner on how to properly care for and maintain a Therma-Tru® door system to help ensure years of trouble-free performance.
- We have an online replacement parts configurator for parts subject to normal wear and tear, making it easy to maintain the integrity of a complete door system with genuine Therma-Tru components.
- We work closely with our distributors, dealers, builders and remodelers, listening to their insights and offering programs, such as installation training to help deliver the ultimate door system for homeowners.





## Tested to meet tough expectations.



Our on-site engineering lab – conducting impact and water infiltration testing.



Genuine Therma-Tru® 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 – certified 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.

**Slam Test:** The door is opened and closed repeatedly. The slam test is performed to commercial standards (AAMA 920-03), which are stricter than residential requirements, to help ensure long-lasting durability and reliability.

**Barrel Roll Test:** 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.

**Salt Fog Immersion Test:** Components are immersed in a simulated salt water fog. The salt fog immersion test (ASTM B117-03) simulates a highly corrosive atmosphere to help ensure that components with metal finishes resist corrosion.

**QUV Test:** 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.

## Glossary of Door System Terms

### Doors & Glass

**Doorlite:** An assembly of frame and glass panel that, when fitted to a door in a formed or cut-out hole, creates a door with a glass opening.

**Sidelite:** A fixed narrow panel, installed next to a door panel for decorative purposes, almost always fitted with an assembly of frame and glass panel that creates a glass opening.

**Transom:** A framed glass assembly mounted atop a door assembly for decorative purposes.

### Components

**Boot:** A term used for the rubber part at the bottom or top end of an astragal that seals between the end and the door frame or sill.

**Jamb:** The outermost portion of the frame on the sides and top of a door system.

**Kerf:** A thin slot cut into a part to accept another part, such as a door bottom or weatherstrip.

**Knuckle:** The joint on a hinge where two or three projections wrap to form a barrel or socket for the hinge pin.

**Mullion:** The vertical part of the frame that separates an active door panel from an inactive door panel.

**Nosing:** An edge piece, usually molded with a rounded face or corner that runs the length of an assembly. Sills have a nosing part.

**Ramp:** The sloped horizontal face in a sill, typically on the outside.

### Operation

**Active:** In paired or double doors, a hinged door that can be opened.

**Inactive:** A door panel fixed in its frame. Inactive door panels are not hinged and cannot be opened.

**Inswing:** An exterior door that swings into the building when opened.

**Passive:** In a double door assembly, the door that usually remains closed and fixed by bolts at the top and bottom. The other door is used for regular passage.

**Outswing:** An exterior door that swings out of the building when opened.

### Performance

**Air Infiltration:** The unwanted passage of air through a door system when the door is under pressure, usually from wind.

**Moisture Infiltration:** The unwanted passage of moisture through a door system.

**Thermal Break:** A feature that separates metal or glass exposed to outside temperatures from coming into contact with and transmitting cold and heat to or from inside-exposed parts.

\*Brand Use Studies, 2014 *Builder* and 2013 *Remodeling* magazines.

\*\*Manufacturer's Test Facility Quality Assurance Validation Program, Architectural Testing, Inc.

# 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. Without precision engineering in this critical area, moisture can pool and leak into the home if gaps are present, rotting the flooring and trim.



## 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.

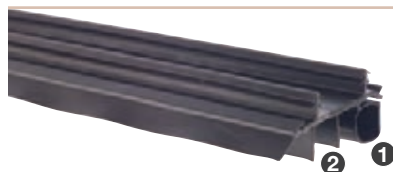


### Kerf-Applied Dual-Bulb / Dual-Fin Bottom Sweep

- 1 Dual bulbs help maintain full contact with narrow sill caps.
- 2 Dual fins create added barriers against moisture infiltration.
- 3 Integrated rain deflector helps push moisture away from the cap.

Sills: Composite Adjustable | Hardwood Adjustable | Basic Composite Adjustable

Note: Non-kerf-applied option available for replacement applications.



### Kerf-Applied Single-Bulb Bottom Sweep

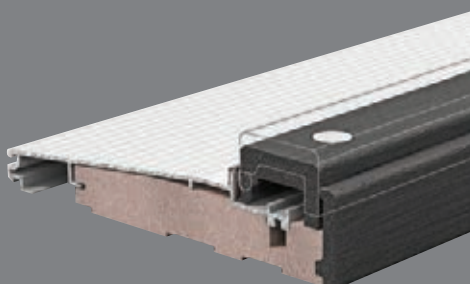
- 1 Single bulb helps maintain tight contact with slanted sill caps.
- 2 Multiple fins help block moisture infiltration and deflect moisture away from the cap.

Sills: Moderate Climate | Basic Fixed

## 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.



Composite Adjustable Sill

↑  
**Adjusts vertically.**

## Adjustable for long-lasting performance.

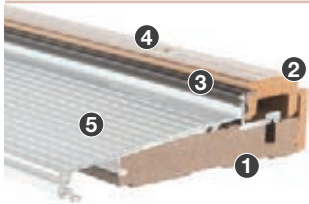
Genuine Therma-Tru sills are engineered with features to help minimize the potential for leaks and drafts. Our adjustable sills allow flexibility to adjust the sill cap vertically to close gaps over time, helping to maintain a tight seal between the sill and bottom of the door.



## Inswing Sills

- Allow for a tight seal between the subfloor and door to help block wind-driven moisture infiltration.
- 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.

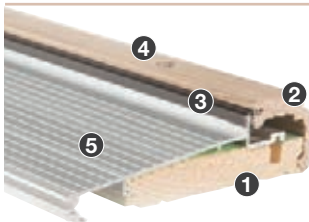
See page 19 for sill finish and cap options.



**NEW** continuous length available with spread mullion capability to fill 49"-75" rough openings.\*

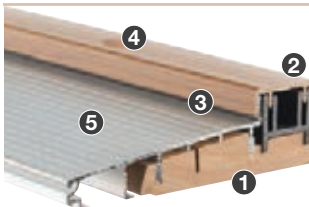
### Composite Adjustable Sill

- 1 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, and features a realistic wood-grained appearance to complement home interiors.
- 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.
- 4 Flush-fitting, premium stainless steel 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.



### Hardwood Adjustable Sill

- 1 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.
- 4 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

- 1 Continuous moisture- and insect-resistant all-composite substrate provides a solid stepping surface and superior rot-resistance.
- 2 Thick moisture- and insect-resistant composite cap and nosing resists rot and features a wood-grained texture to complement home interiors.
- 3 High-dam cap mates with the dual-bulb bottom sweep to help deflect moisture away from the cap.
- 4 Zinc dichromate screws with removable screw caps resist corrosion and adjust to help maintain a tight seal over time.
- 5 Thick, 15-gauge aluminum approach provides excellent durability and a solid stepping surface.



### Basic Fixed Sill

- 1 Continuous moisture-resistant treated Pine substrate provides a solid stepping surface and resists rot.
- 2 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.



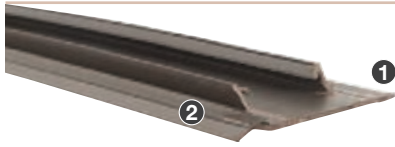
### Moderate Climate Sill (Without Thermal Break – For Warmer Climates)

- 1 Blocked moisture- and insect-resistant composite substrate resists rot.
- 2 One-piece aluminum cap and nosing resists corrosion.
- 3 Narrow, slanted cap mates with the single-bulb bottom sweep to help maintain contact.
- 4 16-gauge aluminum approach provides a solid stepping surface.

\*See the Therma-Tru 2015 *Architectural Details & Components* manual for actual unit size specifications.  
Note: See your Therma-Tru seller for available component options.

## 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.
  - 2 Integrated rain deflector helps deflect moisture away from the cap.
- Sills: Composite Outswing | Aluminum | Coastal

## Bottom Sweep (ADA / Replacement)

- Designed to mate with our public access sill 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.



- 1 Maintains tight contact with the sill surface.
  - 2 Multiple fins help deflect moisture away from the cap and block moisture infiltration.
- Sills: Public Access

## 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.

## Options for enhanced sill performance.

Different applications require different levels of performance from a sill. There are many considerations to keep in mind from climate to exposure. Here are some options to think about when the application requires enhanced sill performance.

	Composite Adjustable	Hardwood Adjustable	Basic Composite Adjustable	Basic Fixed	Moderate Climate
<b>Inswing Options</b>					
Moisture- & Insect-Resistant Composite Substrate	■		■		■
Moisture- & Insect-Resistant Composite Cap & Nose	■		■	■	
Adjustability to Close Gaps Over Time	■	■	■		
Engineered U-Shaped Weather Seal	■	■			
Thermal Break to Help Stop Cold & Heat Transfer	■	■	■	■	
Special Option for Warmer Climates					■
<b>Outswing Options</b>	Composite Outswing	Aluminum	Coastal	Public Access (Inswing / Outswing)	
Moisture- & Insect-Resistant Composite Substrate	■				
Moisture- & Insect-Resistant Composite Cap & Nose	■				
Integrated Removable Weatherstrip	■	■	■		
Thermal Break to Help Stop Cold & Heat Transfer	■	■		■	
Special Option for Coastal Regions			■		
Special Option for ADA Applications				■	



## Outswing Sills

- Allow for a tight seal between the subfloor and door to help block wind-driven moisture infiltration.
- 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 page 19 for sill finish and cap options.



### Composite Outswing Sill

- 1 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.
- 3 Integrated removable weatherstrip creates a bumper effect, strengthening its seal with wind pressure.
- 4 Thick, 15-gauge aluminum approach provides excellent durability and a solid stepping surface.



Note: Also available without thermal break for warmer climates.

### Aluminum Sill with Thermal Break

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



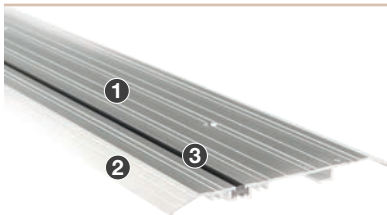
### Coastal Sill (Without Thermal Break – For Coastal Regions)

- 1 Continuous treated Pine substrate provides a solid stepping surface and resists rot.
- 2 All-aluminum cap and nosing resists corrosion and features an extra-high cap profile to provide improved resistance to wind-driven moisture infiltration.
- 3 Integrated removable weatherstrip creates a bumper effect, strengthening its seal with wind pressure.
- 4 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.\*

## Public Access Sill with Thermal Break (For ADA Applications – Inswing / Outswing)

- 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.
- Meets code requirements for Americans with Disabilities Act- (ADA) compliant applications.\*



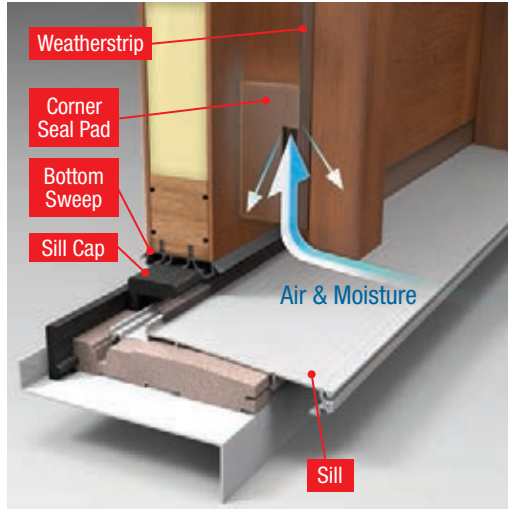
- 1 All-aluminum construction resists corrosion.
- 2 1/2"-high uninterrupted surface features an ADA-compliant 1:2 ramp slope.
- 3 An epoxy thermal break helps stop cold and heat from traveling through the sill and forming condensation inside the home.

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.

\*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.

# Corner Seal Pads

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.



## Corner Seal Pads (Inswing Only)

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



### Classic-Craft. 7-Shape Pads

Sills: Composite Adjustable  
Hardwood Adjustable  
Basic Composite Adjustable  
Public Access



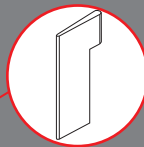
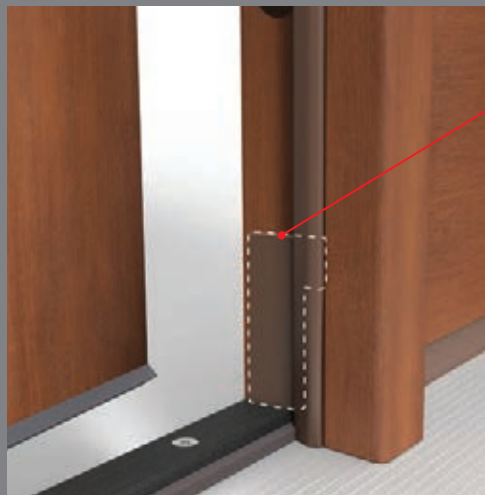
### Basic Fixed Pads

Sills: Basic Fixed  
Moderate Climate



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

Sills: Composite Adjustable  
Hardwood Adjustable  
Basic Composite Adjustable  
Public Access



Creates an air pocket.

## Innovative weathersealing solutions.

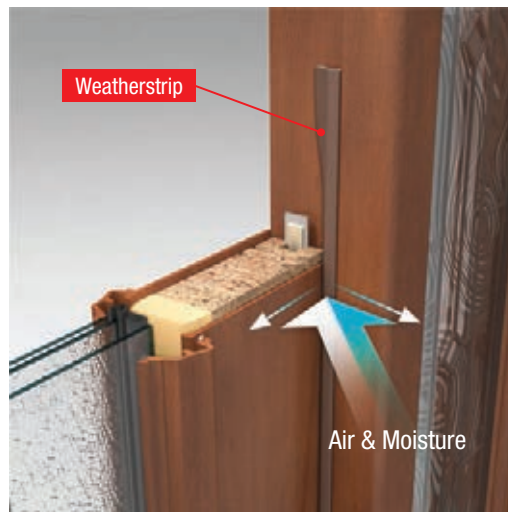
Genuine Therma-Tru weathersealing components are carefully engineered to maximize the seal between the door and frame. The 7-shape corner seal pad completes our patented jamb assembly. This innovative design creates an air pocket that helps prevent a vacuum from forming and wicking moisture up the weatherstrip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

Patented Jamb Assembly with 7-Shape Corner Seal Pad



# Weatherstrip & Rain Protection

Genuine Therma-Tru® **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.



## Removable Weatherstrip

- Engineered in a variety of profiles for a precise fit with our doors to cover the margin between the 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.



**Medium-Reach Weatherstrip**



**Long-Reach Weatherstrip**

## 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.



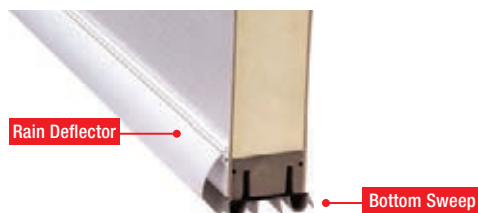
**Rain Deflector (Inswing)**

Pushes moisture away from the bottom of the door.

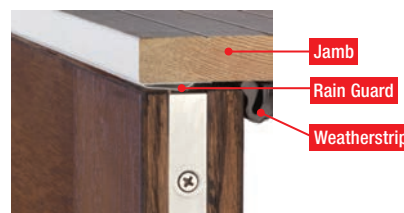


**Rain Guard (Outswing)**

Creates a barrier to moisture at the top of the door.



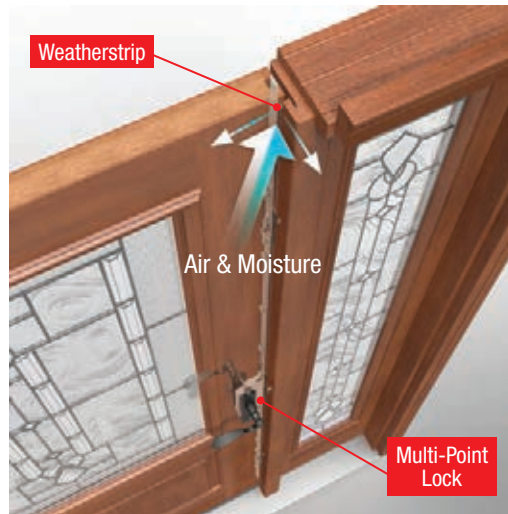
Bottom of door; exterior view.



Top of door; exterior view.

# Multi-Point Locking Systems (MPLS)

Genuine Therma-Tru **multi-point locking systems** (recommended) engage the door and frame at three points from top to bottom, helping to preserve the **weatherstrip's** 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.



## Multi-Point Locking Systems (Recommended)

- Provide more engagement of locking hardware than traditional deadbolt assemblies.
- Premium stainless steel construction provides excellent corrosion resistance.
- Offered in 45 mm and 60 mm widths to accommodate varying door styles.
- Strike plate packages available to meet the installation needs of various MPLS applications.
- Highly recommended for 8'0" and double fiberglass door systems. (Not recommended for steel door systems.)

- 1 Engages the frame at three critical points, enhancing stability to help maintain alignment.
- 2 1" premium stainless steel deadbolt is stronger than traditional deadbolts.
- 3 Self-lubricating locks help provide smooth operation with little maintenance.
- 4 Integrated mishandling device helps protect the door and frame from accidental damage; a convenient upward turn of the handle is required before all three points will engage.

### Standard Door MPLS



**Tongue**  
For single door systems.



**Shootbolt**  
For double door systems.



**Engages at three critical points.**

### Three points are better than one.

Genuine Therma-Tru multi-point locking systems are engineered for increased engagement and increased peace of mind. A multi-point locking system not only provides enhanced stability, it also provides an enhanced sense of security knowing that the lock is engaging with the frame at three points, rather than only at the strike plate like traditional deadbolt assemblies.



## Handleset Options for Standard Door MPLS

- Complete multi-point locking systems with active and inactive options in wide and narrow profiles.
- Correspond to available MPLS widths with wide (60 mm) or narrow (45 mm) backs.
- Designed to complement Therma-Tru door styles from Traditional to Contemporary.



Heirloom

Venture

Millennium

Ara

~~Decade~~



Handlesets Shown: Wide Back Active (Bottom) & Narrow Back Inactive (Top)  
See page 19 for all MPLS handleset finish options.

## Increased stability included.

Therma-Tru® vented sidelites let in fresh air without the need for obstructive screen or sliding doors. Featuring special multi-point locking gears and thumbturn, this innovative solution for entry and patio door systems also comes with increased stability included.



## Vented Sidelites MPLS



**Tongue**  
Included in vented sidelite units.

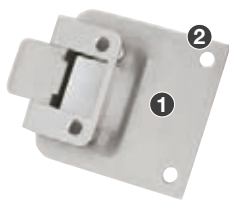


## Latch & Deadbolt Strike Plate

### Adjustable Security Strike Plate (Recommended)

- Enhances the door jamb's strength and resistance against forced entry.

See page 19 for strike plate finish options.



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



Wraps around door jamb.  
Screws fully engage frame.

## Proven to enhance safety and security.

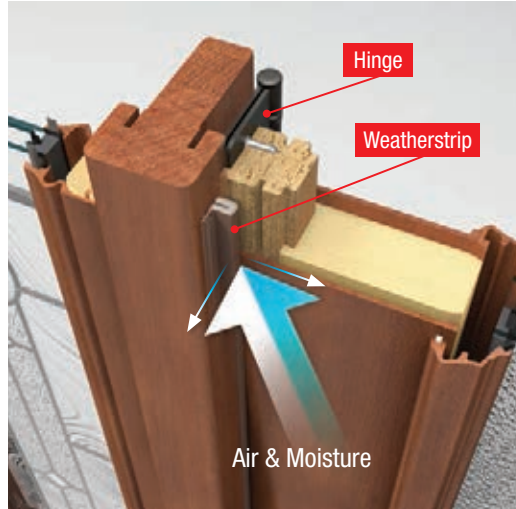
A genuine Therma-Tru adjustable security strike plate helps enhance the safety and security of a home, wrapping around the door jamb and fully engaging the frame of the house for added support and strength. In fact, our adjustable security strike plates are tested to withstand up to three times the force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

\*ASTM-476. As tested by an independent laboratory. Not available on certain configurations.

Note: See your Therma-Tru seller for available component options.

# Hinges

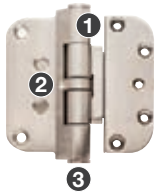
Genuine Therma-Tru **hinges** position the **door** to properly compress the **weatherstrip** to help form a tight, even seal when the door closes. Without precision engineering in this critical area, the weatherstrip can pinch if the door is too tight or gap if it is too loose, letting air and moisture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



## Hinges

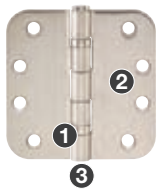
- Position the door for proper compression of the weatherstrip to form a tight seal when closed.
- Proper positioning also ensures smooth operation to help resist creaking and uneven wear over time.
- Offered in a variety of options designed to mate with our door systems and meet the needs of specific applications.
- Fit into mortise pockets machined into the door to assist in accurate alignment and a flush fit.
- Offered in premium stainless steel or steel with a protective anodized or painted finish to resist corrosion.

See page 19 for hinge finish options.



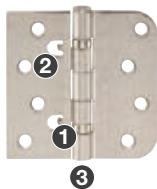
### Adjustable Hinge

- 1 Turn hex screws on guide hinges to maintain horizontal alignment of door in frame.
- 2 Turn hex screw on set hinge to maintain vertical alignment of door in frame.
- 3 Fixed pins prevent door from being taken off hinges by driving out pivot pins. Provides security on outswing applications with exposed hinges.



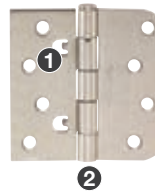
### Classic-Craft Ball-Bearing Hinge

- 1 Ball bearings help protect each hinge pivot, or “knuckle”, for added support and stability.
- 2 C-shape hole pattern for premium wood door appearance.
- 3 Removable pins allow door to be taken off hinges without unscrewing for finishing or moving large items in and out.



### Self-Aligning Ball-Bearing Hinge

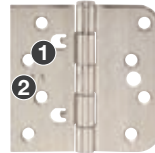
- 1 Ball bearings help protect each hinge pivot, or “knuckle”, for added support and stability.
- 2 Contains locating tabs to assist in accurate alignment with specific door systems.
- 3 Removable pins allow door to be taken off hinges without unscrewing for finishing or moving large items in and out.



### Self-Aligning Hinge

- 1 Contains locating tabs to assist in accurate alignment with specific door systems.
- 2 Removable pins allow door to be taken off hinges without unscrewing for finishing or moving large items in and out.

Note: Non-removable pin (NRP) option available with fixed pins to prevent door from being taken off hinges by driving out pins. Provides security on outswing applications with exposed hinges.



### Security Tab Hinge

- 1 Contains locating tabs to assist in accurate alignment with specific door systems.
- 2 Security tabs prevent door from being taken off hinges by driving out pins. Provides security on outswing applications with exposed hinges.



### Spring-Loaded Hinge

- 1 UL Listed with self-closing spring mechanism that helps pull the door closed for convenience or to meet code requirements that may be applicable in some Fire-door applications.\*



Adjustable Hinge

**Adjust 1/8" up and down, and 1/8" side to side.**

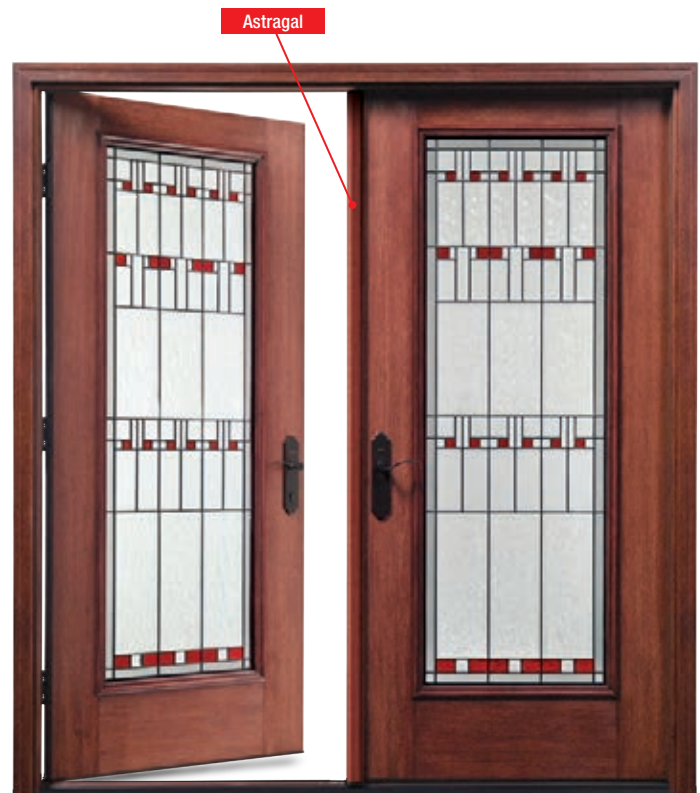
## Long-lasting, smooth performance.

Genuine Therma-Tru hinges are engineered with long-lasting durability and reliability in mind. Over time, homes can settle unevenly and heavy doors can pull on hinges, causing the door to stick and rub. Our adjustable hinges allow the door to be moved up and down, and side to side, in the frame to maintain alignment and help keep the door performing beautifully.

Note: Guide hinge, shown here, for horizontal adjustment.

# Astragals

- 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, paintable aluminum to complement the look of the door and home.



- 1 Integrated weatherstrip helps form a tight seal between the astragal and active door when closed.
- 2 Offered with strike plates to receive a latch and deadbolt or multi-point locking system.
- 3 Durable boot engineered to work with the active bottom sweep to complete the seal across the sill.
- 4 16-1/2" locking steel slide bolt can be vertically adjusted for a secure fit with the sill and frame.



## Stainable Astragal



Oak Grain



Mahogany Grain



Fir Grain

Note: Shown in Oak grain with Mahogany stain.

Note: Shown in Light Oak stain.

## Aluminum Astragal



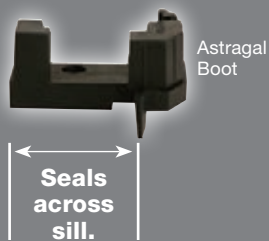
Bronze



White

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

## Enhanced sealing power.



Genuine Therma-Tru® astragals help deliver enhanced sealing power. Our 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 across the sill.

\*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.



# Frame Components

Check with your Therma-Tru seller for frame options – rot-resistant, hardwood, primed Pine, coil cladding – manufactured to our specifications to complete any of our door systems.



## Brickmould & Jambs

Jambs fit around the top and sides of the opening, receiving the hinges and locking mechanism from the door system, with decorative brickmould to provide a finished look around the perimeter of the door.



## Mullions

Mullions fit from the sill to the top of the frame in door systems with inactive panels, such as sidelites, to receive the hinges and locking mechanism.



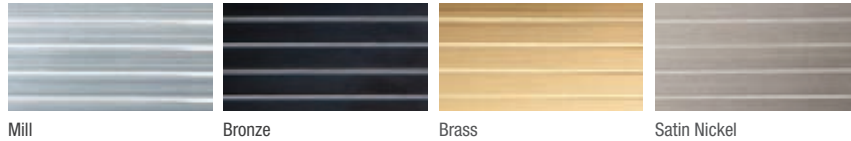
• Beautiful, inside and out.



# Finish Options

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

## Finish Options for Sills



## Cap Options for Sills



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

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

**Hardwood**  
Hardwood Adjustable



**Lightwood (Economy)**  
Basic Composite Adjustable

**Darkwood (Economy)**  
Basic Composite Adjustable  
Basic Fixed

## Finish Options for Hinges, MPLS Handlesets & Strike Plate



~~Bright Brass~~

Antique Brass

Brushed Nickel

Black Nickel

Antique Nickel

Polished Chrome

Oil-Rubbed Bronze

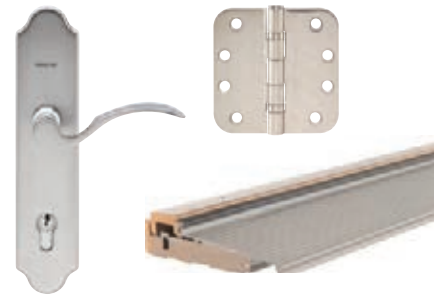
White  
(Narrow  
Handlesets  
Only)

Stainless Steel  
(Hinges & Strike  
Plate Only)

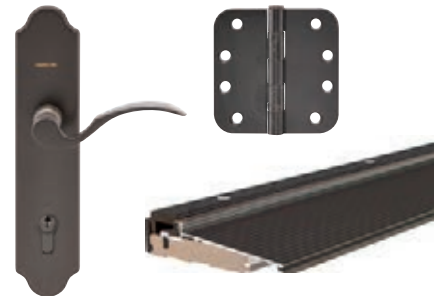
Zinc Dichromate  
(Hinges & Strike  
Plate Only)

Zinc Dichromate  
(Hinges & Strike  
Plate Only)

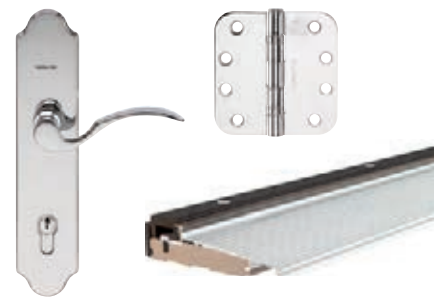
## Popular Finish Combinations



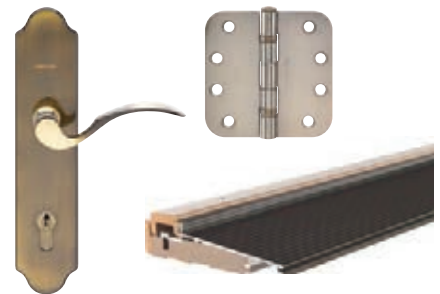
Satin Nickel / Lightwood (Premium) Sill  
+ Brushed Nickel Hinges  
+ Brushed Nickel Handleset



Bronze / Darkwood (Premium) Sill  
+ Oil-Rubbed Bronze Hinges  
+ Oil-Rubbed Bronze Handleset



Mill / Darkwood (Premium) Sill  
+ Polished Chrome Hinges  
+ Polished Chrome Handleset



Bronze / Lightwood (Premium) Sill  
+ Antique Brass Hinges  
+ Antique Brass Handleset

## Choosing sill and hardware finish options.

There are many things to consider when choosing finish options:

- Will the new door have decorative glass in a particular coming color?
- What is the finish of the home's exterior lighting and fixtures?
- Will the new door need to coordinate with other existing doors?
- What is the finish of the home's interior lighting and fixtures?

Note: See your Therma-Tru seller for available component options.

Left Page, Bottom Left: Smooth-Star, Internal Blinds, Door – S81225

Left Page, Bottom Right: Classic-Craft Mahogany Collection, Borrassa Glass, Door – CCM81519



# Door System Components

A Therma-Tru® door with genuine Therma-Tru components is more than a beautiful door – it's a complete door system. One that offers uncompromising quality, inside and out.

## Durability & Reliability Through the Years

- Unlike other door companies, we manufacture or specify every aspect of the complete door system – door panel, glass, components – to our high standards.
- A Therma-Tru door system is engineered with craftsman precision to provide weather resistance and energy efficiency.
- More than 80% of Therma-Tru door and glass options are ENERGY STAR® qualified, contributing to an energy-efficient home.

## Engineered to Work Together

- We specify 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.
- By forming a tight seal against drafts and leaks, our components can help protect the door system and home against costly damage and deterioration.

## Backed by Our Lifetime Limited Warranty

- We can stand behind more parts of a door system for longer than other door companies because we make or specify everything that goes into it.
- A Therma-Tru fiberglass door system is backed by the industry's most comprehensive lifetime limited warranty.

## Offered in a Variety of Choices

- We provide a wide selection of component options to meet the needs of different applications and climates.
- Premium features offer enhanced protection against the damaging effects of air and moisture infiltration.

Note: See your Therma-Tru seller or visit [www.thermatru.com](http://www.thermatru.com) for details on limited warranties and exclusions, and ENERGY STAR qualified products.

Bottom: Classic-Craft Mahogany Collection, Bella Glass, Doors – CCM895B

**THERMA-TRU**<sup>®</sup>  
DOORS

[www.thermatru.com](http://www.thermatru.com)

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Maumee, OH 43537

