

# ALUMINUM WINDOWS & DOORS

*"Style and quality meets  
savings in every pane"*



## TRIDENT



### PRODUCT CATALOG

[www.tridentwindows.net](http://www.tridentwindows.net)

A photograph of a modern, two-story house. The house features large, dark-framed windows and a prominent, textured stone pillar. The sky is clear blue. The text 'THE TRIDENT STORY' is overlaid on the left side of the image.

# THE **TRIDENT** STORY

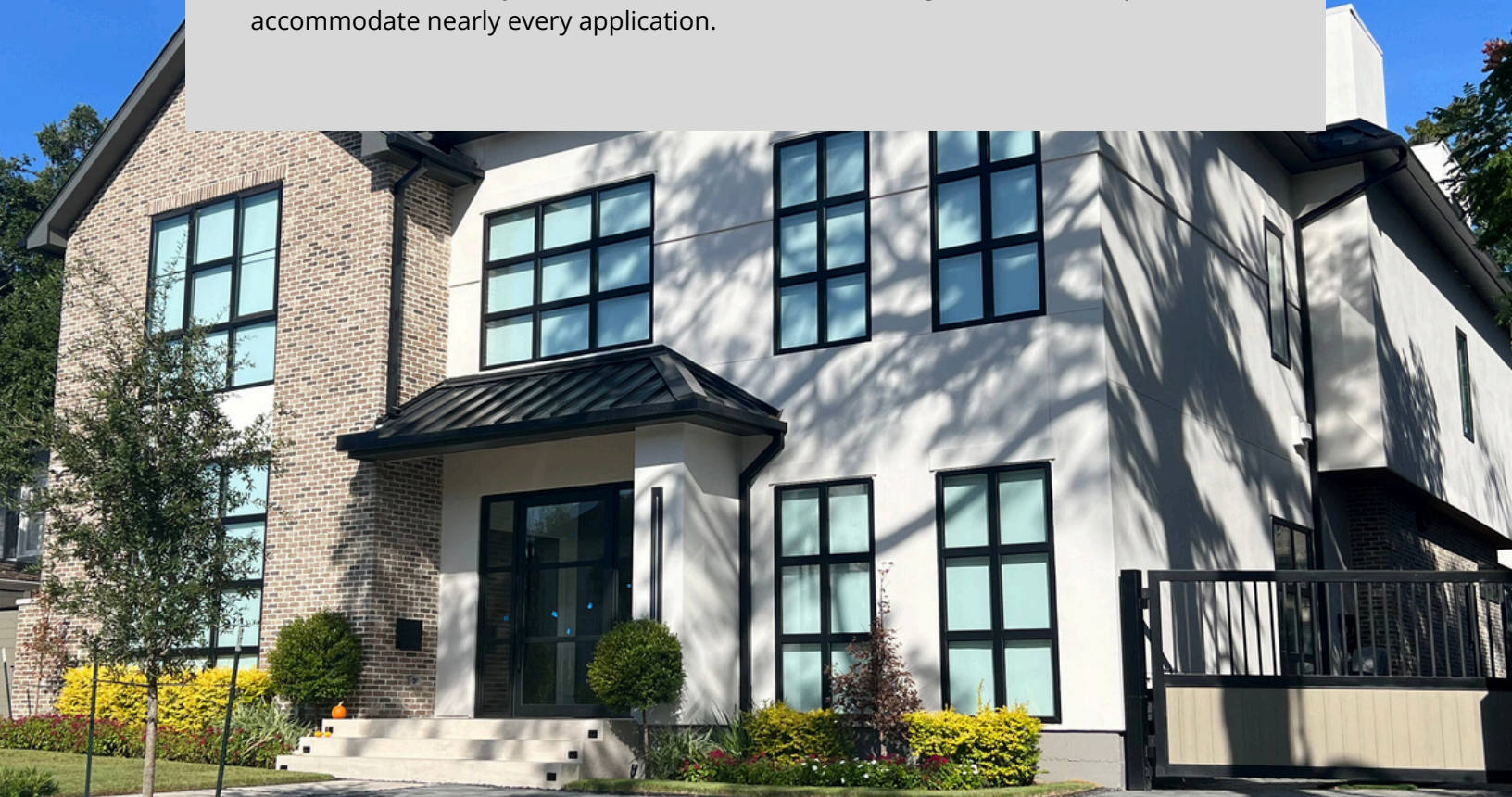
The idea for Trident began in 2023 when the founders--a realtor and a commercial construction expert--saw that more and more homes in Houston, Texas were built with windows and doors with a clean and contemporary aesthetic. Modern or even modern farmhouse style homes were utilizing a similar window "look" that was taking over the market. When the founders investigated replacing their own aluminum windows, they were not satisfied with what the market had to offer. Aluminum windows and doors especially were either of low quality and/or of great expense and out-of-reach for most homeowners and builders. Thus, Trident was born to offer its customers high-quality, contemporary, aluminum windows and doors—for less.



# QUALITY LOOKS DURABILITY PERFORMANCE

Aluminum windows are renowned for their exceptional quality, combining durability, strength, and aesthetic appeal. These windows are highly resistant to corrosion and weathering, making them an excellent choice for diverse climates. The inherent strength of aluminum allows for the creation of sleek, slim profiles that maximize the glass area, enhancing natural light and providing unobstructed views. The material's low maintenance requirements make aluminum windows a practical choice for homeowners, as they resist rust and deterioration over time. Additionally, aluminum allows for innovative and customizable designs, catering to various architectural styles. When considering window quality, aluminum stands out for its longevity making it a reliable and stylish choice for residential and commercial applications alike.

Energy performance requirements have increased significantly over the last few decades and many existing window manufacturers will struggle to keep up. We worked diligently with our class provider to source the highest quality and most efficient glass. All TRIDENT windows meet or exceed the stringent new code requirements and we have compliant windows for the Southern and South-Central climate zones, but if your needs are outside of these regions or are unique, we can accommodate nearly every application.





## Windows

Aluminum windows allow us to seamlessly merge European design sophistication with American practicality, offering superior quality and a timeless contemporary aesthetic. This fusion results in windows that not only exhibit the sleek and modern lines characteristic of European design but also meet the rigorous performance standards expected in the US market. Simultaneously, these windows are engineered to meet the stringent energy efficiency, strength and durability requirements prevalent in the market today.

Whether you desire a window wall or a simple casement window, all Trident windows are designed for virtually any application. Frames are lightweight and strong providing every home with clean lines similar to steel. We utilize the latest double-paned or triple-paned LowE performance glass insulated with argon gas fill and solar heat resistance to provide the best in thermal performance keeping the hot, cold, dry and humid air outside where it belongs while helping you save on your energy bills. We offer a full line of windows—fixed, sliding, crank casement, tilt-turn casement, awning, and custom-shapes. All window types are designed to be integrated with another for unlimited custom configurations.





## FIXED (W100)

Our fixed window has a slim frame and can be sold in individual configurations, within a window wall or in clerestory combination with our operable windows and doors.

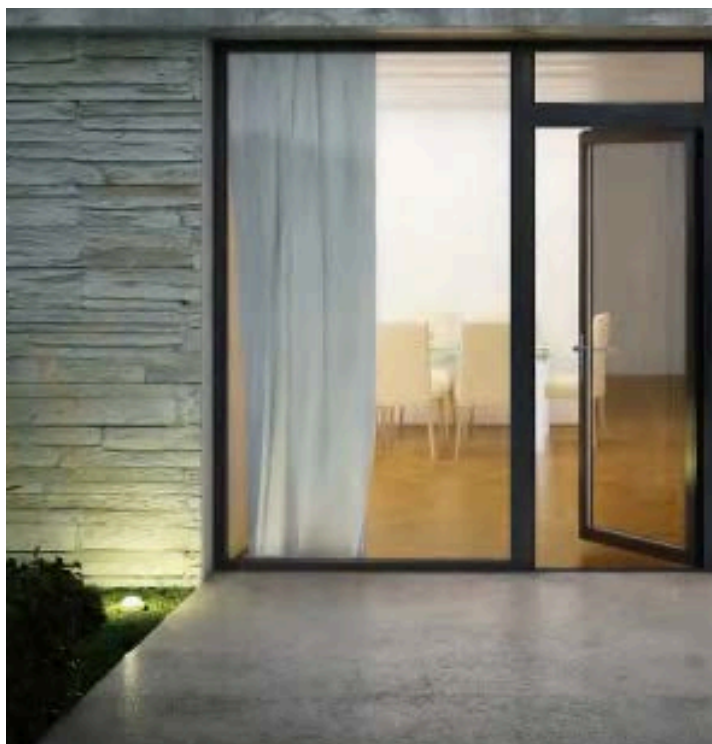
Thermally Broken  
Double Pane, LowE, Tempered Glass  
3.15" Frame Depth

STANDARD COLORS:



*Custom colors available.*

FINISH:  
Standard, Glossy or Textured Powder Coat





## CRANK CASEMENT (W110)

The Crank Casement window is a classic design that looks more contemporary in an aluminum frame or more traditional by adding grids. This type of window has the best clear glass opening of any operable window. Ease of operation is also a highlight providing one of the easiest ways to ventilate your house yet when closed it has a tighter seal than other operable windows. Having the widest opening, this window has better safety characteristics in the event of an emergency exit.

Thermally Broken  
Double Pane, LowE, Tempered Glass  
2.75" Frame Depth

### STANDARD COLORS:



*Custom colors available.*

### FINISH:

Standard, Glossy or Textured Powder Coat



## TILT TURN CASEMENT (W120)

The tilt turn casement window has been popular in homes in Europe for many years. The dual functionality and ease of operation allows for maximizing the opening with wide open glass (can have grids if desired), or a tilted operation which allows for secure ventilation when needed. As a casement it also provides an excellent seal when closed. An added benefit is this window is easily cleaned as it opens inward.

Thermally Broken  
Double Pane, LowE, Tempered Glass  
3.15" Frame Depth

STANDARD COLORS:



*Custom colors available.*

FINISH:  
Standard, Glossy or Textured Powder Coat







## SINGLE/DOUBLE HUNG (W130)

Our single/double hung windows are a modern take on the classic. Aluminum allows us to have a more minimalist look with these windows as well as a greater resistance to warping you get from vinyl and wood.

Thermally Broken  
Double Pane, LowE, Tempered Glass  
4" Frame Depth

### STANDARD COLORS:



*Custom colors available.*

### FINISH:

Standard, Glossy or Textured Powder Coat





## SLIDING (W140)

The sliding window provides yet another style of operable window. A typical application is in a kitchen looking onto a patio where you do not want or cannot have the window open into a walkway or into the house. Our sliding window and slim sliding door are from the same family so will make a great aesthetic match.

Thermally Broken  
Double Pane, LowE, Tempered Glass  
3.15" Frame Depth

STANDARD COLORS:



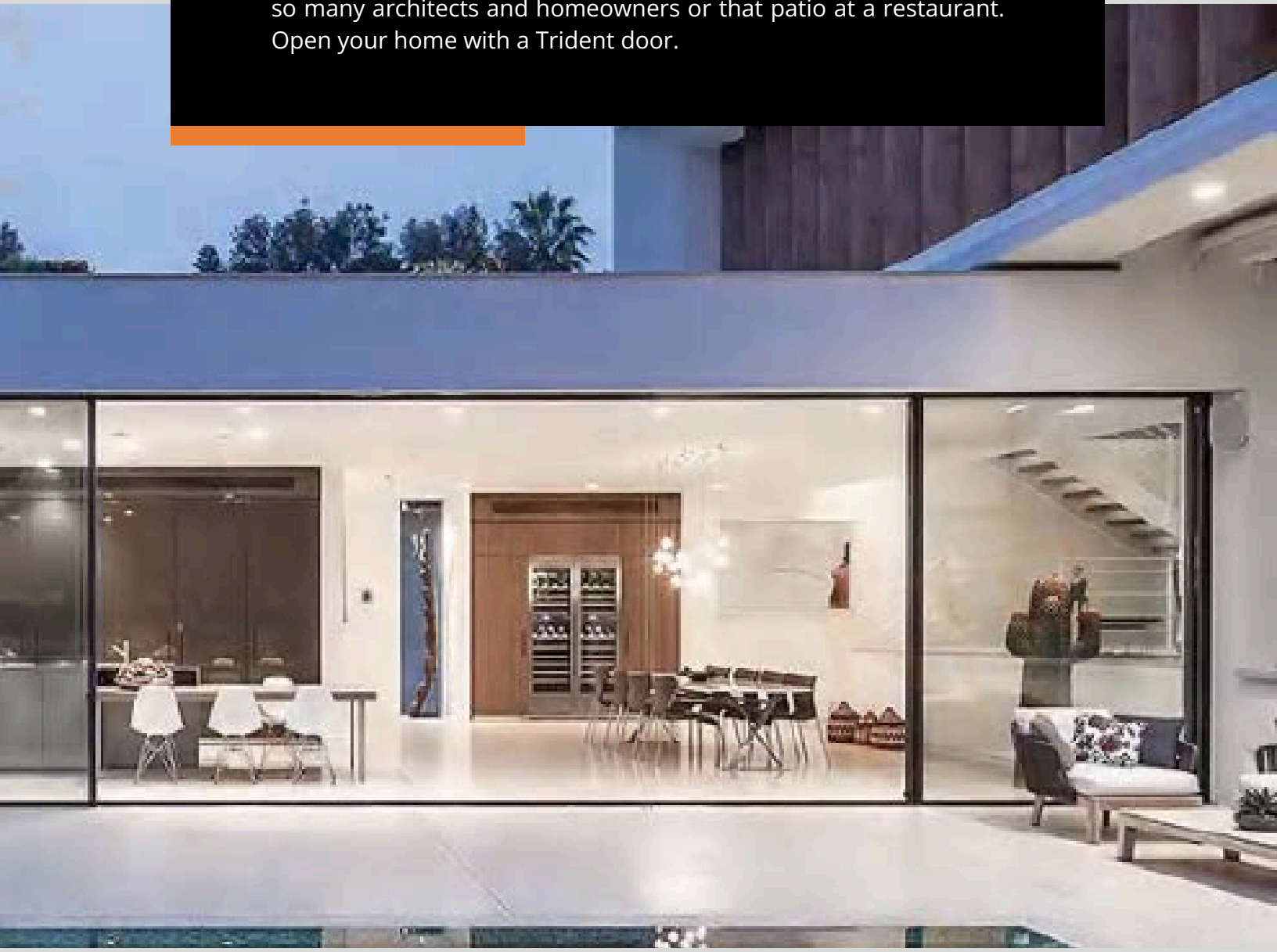
*Custom colors available.*

FINISH:  
Standard, Glossy or Textured Powder Coat



# Doors

Aluminum doors epitomize modern design with their sleek lines and expansive sizes. Renowned for their contemporary aesthetic, aluminum doors add a touch of sophistication to any architectural look, whether it is a residential space or a commercial application. Their inherent strength allows for slim profiles, facilitating large door sizes that create a seamless transition between indoor and outdoor spaces while offering unobstructed views of the surroundings. Imagine a nine-foot tall by four foot-wide-glass entry door into your home. Moreover, aluminum's durability ensures longevity, making these doors a lasting investment. Whether folding or sliding, these doors can create a wall of glass desired by so many architects and homeowners or that patio at a restaurant. Open your home with a Trident door.







## SLIM SLIDING (D100)

Our slim sliding doors will truly maximize the indoor/outdoor feeling for your living space and provide virtually unobstructed views to the outside. The slim frames were only made possible by the strength of aluminum. A minimalist handle continues the slim look.

Thermally Broken  
Double Pane, LowE, Tempered Glass

STANDARD COLORS:



*Custom colors available.*

FINISH:  
Standard, Glossy or Textured Powder Coat



## SLIDING DOOR (D110)

Our regular sliding door is a bit more heavy-duty and provides more strength than our slim series where you may have a heavier use or in a location that could be exposed to higher winds. This model still maximizes the indoor/outdoor feeling for your living space.

Thermally Broken  
Double Pane, LowE, Tempered Glass

STANDARD COLORS:

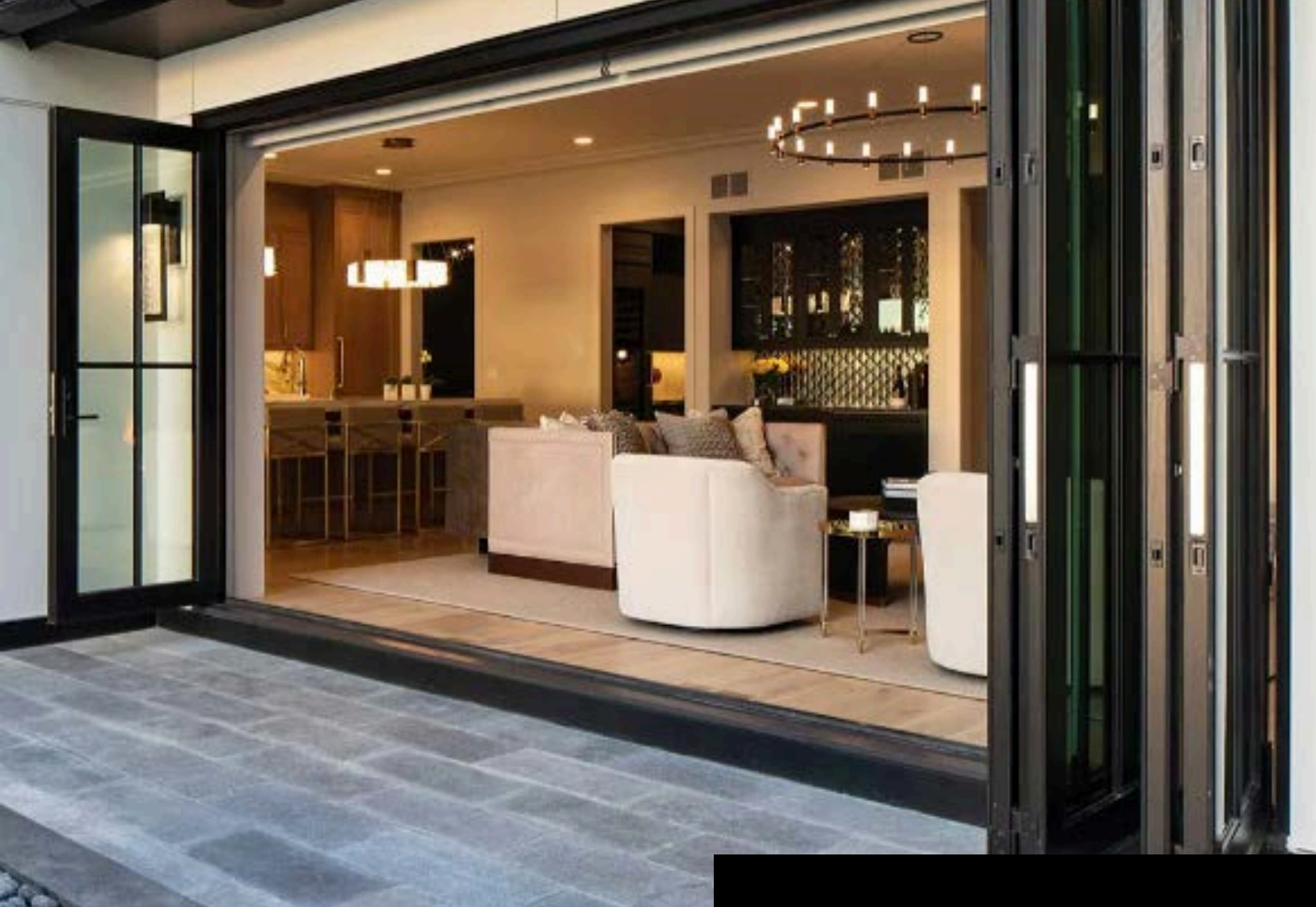


*Custom colors available.*

FINISH:  
Standard, Glossy or Textured Powder Coat







## FOLDING DOOR (D120)

Our folding doors allow you to completely open your house to the outdoors. They stack and fold effortlessly against the side walls effortlessly. Our hinges in this line are concealed so that you have a smooth and uninterrupted line providing a minimalist look.



Thermally Broken  
Double Pane, LowE, Tempered Glass

STANDARD COLORS:



*Custom colors available.*

FINISH:  
Standard, Glossy or Textured Powder Coat



## SWING DOOR (D130)

Our classic swing door and French make a perfect entry door or a side or back door where you don't have a need for a wide opening. A thin frame maximizes the glass providing superior views outside and lets in a lot of light.

Thermally Broken  
Double Pane, LowE, Tempered Glass

STANDARD COLORS:



*Custom colors available.*

FINISH:  
Standard, Glossy or Textured Powder Coat







## PIVOT DOOR (D140)

Nothing makes a bigger entry statement than a grand pivot door. Our pivot doors are sleek and minimalistic yet strong providing an unforgettable contemporary aesthetic to guests as they arrive to your home.

Thermally Broken  
Double Pane, LowE, Tempered Glass

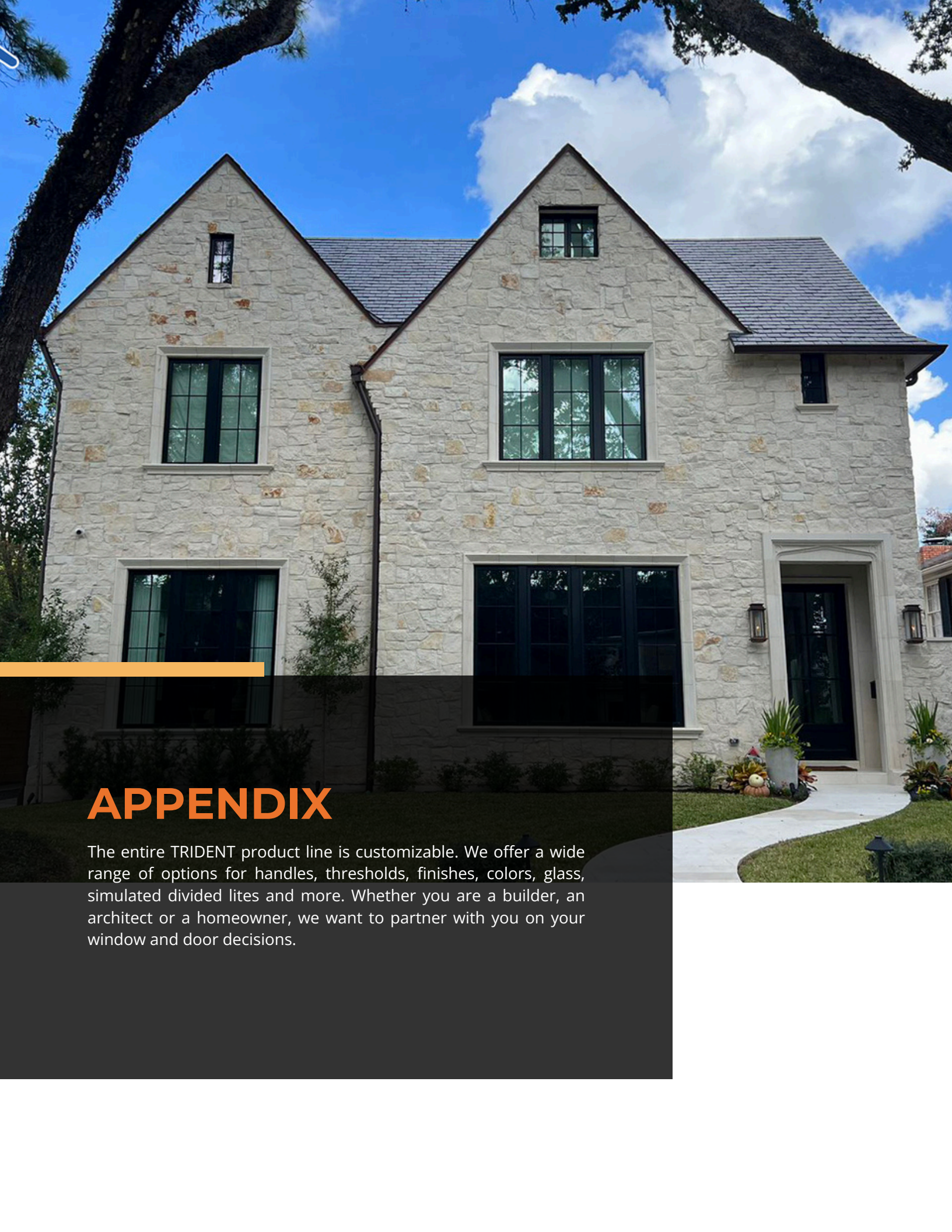
STANDARD COLORS:



*Custom colors available.*

FINISH:

Standard, Glossy or Textured Powder Coat



## APPENDIX

The entire TRIDENT product line is customizable. We offer a wide range of options for handles, thresholds, finishes, colors, glass, simulated divided lites and more. Whether you are a builder, an architect or a homeowner, we want to partner with you on your window and door decisions.



# FINISHES

Our “standard” black powder coat finish looks very similar to an anodized finish providing a smooth and luxurious look. We are also able to provide the more typical glossy powder coat finish and a textured finish. Although black and white are our standard colors, we can customize to nearly any color you choose.



# WINDOW OPTIONS

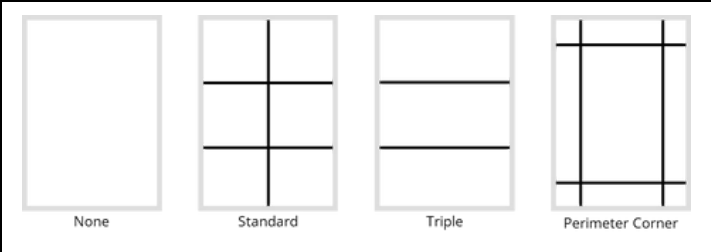
## SIMULATED DIVIDED LITE (GRIDS)



Adding grids is called a “simulated divided lite” that emulates windows with a more traditional look when they were made with smaller panes of glass inserted into the wood frame grid. The thin aluminum frames provide a more contemporary version of this timeless look.

### GRID OPTIONS\*

Grids can be added to the surface of the glass or between the glass panes to make cleaning easier.



## HANDLES/OPERATORS

### CRANK CASEMENT



#### COLORS



### TILT TURN



#### COLORS



### SLIDING



#### COLORS



# DOOR OPTIONS

## HANDLES

### FOLDING DOORS



#### STANDARD COLORS



### SLIDING DOORS



(Slim Only)

#### STANDARD COLORS



## HANDLES

### SWING DOORS



#### STANDARD COLORS



### PIVOT DOORS



#### STANDARD COLORS



# PERFORMANCE

Extensive research was performed targeting the right glass for maximum energy efficiency in any climate zone. Meeting or exceeding the current code and the most stringent energy goals of most geographies in the US was the goal from the beginning for Trident. We have invested the time and resources in targeting the highest standards of the National Fenestration Rating Council (NFRC) and North American Fenestration Standard (NAFS) and challenging our factory and our glass manufacturer to meet the latest 2024 requirements. Simply put, we know we are putting the highest performing windows and doors into the market.



Our standard glass provides the following performance:

U-Factor	SHGC	VT
0.26	0.23	0.42





# TRIDENT

W I N D O W S + D O O R S

## CONTACT

*Get in touch with Us!*



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