



# Weather Shield®

Premium Wood & Aluminum Clad Windows & Doors



# Windows and doors

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# that offer you more.

Life is full of choices. Compromise should not be one of them.

Perhaps nothing reveals your true personality and what's most important in your life, more than your home does.

It's the center of your universe, a sanctuary where loved ones gather, and a broad canvas for your imagination.

At Weather Shield, we've been crafting windows and doors of quality and distinction for more than 50 years for people just like you, who want a home where all good things are possible. A home that extends an open invitation to inspiring views, natural light and fresh air, while offering comfort and protection for everyone and everything that you value most in life.

To do so, our signature product line boasts the most comprehensive assortment of all-wood and aluminum-clad wood windows and doors found anywhere. We offer a vast array of styles, shapes, sizes, options, and upgrades. More than anyone else in the industry has to offer.

That's the difference Weather Shield windows and doors make. It's a difference that's as individual as you and your home.



*"If you're looking for more in a window or door, on the following pages you'll learn exactly what makes Weather Shield a better choice for architects, contractors and homeowners. Designed and manufactured with continuous innovation, our Weather Shield product line offers you more of everything. So please, be our guest. We invite you to compare our latest generation of windows and doors against all others. What more could you want? Just ask."*

Mark Schield

Vice President  
Weather Shield Windows & Doors  
Medford, Wisconsin



# A half-century of

Earning a reputation for excellence since 1955.

It's the American success story come to life. Founded on the vision of one man, Weather Shield has grown into an international organization that boasts the broadest offering of windows and doors from a single manufacturer today.

It all began when Edward "Lee" Schield returned to his hometown of Medford, Wisconsin, a little more than a year after first going to work for a window and door company in Detroit, Michigan, and then moonlighting as an aluminum storm window salesman.

With his personal savings, Schield purchased aluminum extrusion parts and assembled them by hand into storm doors. He sold his first products to homeowners in the area. Then, taking a different route than other window companies had always followed, Schield began calling directly on contractors. The orders poured in, and a thriving window and door business was on its way to making history.

During the decades that followed, manufacturing facilities expanded, not only in the town of Medford, but in areas throughout the United States as well. The development of Weather Shield owned and operated millwork, glazing and vinyl extrusion facilities has allowed the company to fully integrate every aspect of the production process.

Weather Shield has continued to grow and thrive by offering new product lines and benefits to its customers.

Today, Weather Shield remains family owned and operated, with three generations actively involved in the day-to-day direction and operation of the company. And the one man, who began it all, is still firmly at the helm.



**Weather Shield**<sup>®</sup>  
Premium Windows & Doors



**Weather Shield Premium Windows & Doors**

# continuous innovation.

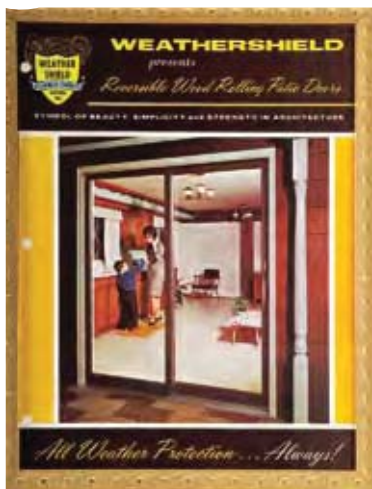
### HIGHLIGHTS IN THE HISTORY OF WEATHER SHIELD.

#### 1955

Edward "Lee" Schield and brother David Schield form a partnership. The City of Medford, Wisconsin issues a business permit to Weather Shield Aluminum Products Inc.

#### 1966

Service is added to window and door assembly and sales efforts when the first full-time Weather Shield serviceman is employed.



#### 1969

Weather Shield Vinyl Industries is established to manufacture vinyl components for windows and doors such as jamb liners and weather stripping.

#### 1970

Weather Shield purchases Harvey Millwork and fully converts its business from an assembly process into fabricating every wood component of its windows and doors.

#### 1974

Lee Schield invents the one-piece casement jamb. This sets a standard for making windows that are easier to install.

#### 1982

In order to better serve its customers, Weather Shield facilities in Logan, Utah, begin manufacturing operations for the western portion of the United States.

#### 1992

Weather Shield becomes the first wood window and door manufacturer to offer vinyl products with the introduction of the Visions 2000® product line.

#### 2004

The introduction of a telescoping patio door system, featuring up to six sliding panels, draws industry-wide acclaim.

#### 2005

Weather Shield celebrates its 50th Anniversary in the window and door industry.

The company employs over 2,500 community-conscious people dedicated to creating a new, custom-made window or door every 21 seconds.



*"Today, Weather Shield is one of the most automated window companies in America. Our engineering and manufacturing systems allow us to produce some of the most exotic windows and doors found in custom homes. Because of this, Weather Shield is a brand that has the ability to offer builders everything that they're looking for in windows and doors. That makes it hard for anybody to compete with us on the high end."*

Edward "Lee" Schield

President  
Weather Shield Windows & Doors  
Medford, Wisconsin





# Manufacturing that

## A family of windows and doors like no other.

For the past half century, we've made windows and doors at Weather Shield the best way we know how—by putting our customers first. Today, this philosophy remains at the heart and soul of everything we do.

Over the years, we've perfected our construction techniques to deliver heirloom-quality windows and doors that are better looking, more energy efficient, easier to install and nearly effortless to operate. The way we design, engineer and manufacture our windows and doors goes far beyond putting wood and aluminum or vinyl and glass together. It's what leads us to innovations such as an integral extruded aluminum nailing fin and the exclusive Quadra-Miter® construction process on our double-hung tilt windows.

With more premium product lines offering more sizes, shapes and styles than any other manufacturer, your choice is clear: **Weather Shield**.



Choose from a vast array of **glazing options** that provide energy efficiency, sound reduction, ultra-violet fading protection, even security from the harshest weather.

**A wide variety of grille types, profiles and patterns** allow you to divide light with a style that's as unique as you are.

From the incomparable **Custom Wood Interiors Collection**®, to the spectrum of choices available with the **Accentials™ Distinctive Colors & Finishes program**, options are available to help you bring your imagination to life.

Seams, fasteners, nailheads, even hardware are reduced to an absolute minimum, so nothing interrupts the **beautiful lines and superior view** through our windows and doors.

Furniture-grade **construction details**, like mortise and tenon sash corners, give our windows and doors strength and durability.

# defines excellence...



## SELECTING WOOD

Unlike window and door manufacturers who purchase finished wood profiles and trim, Weather Shield controls every step of the fabrication process to ensure consistent quality.

First, the wood we hand-select is kiln-dried and treated in our own facilities with a non-toxic preservative that helps prevent warping, rotting and also repel insects. Then, we precisely mill each piece to tolerances that are accurate to within thousandths of an inch.



## CUSTOM WOOD BENDING

Whether it's producing the graceful curve top for oriel double-hung tilt windows, arched French hinged patio doors or direct-set quarter-circle, half-circle or full-circle windows, Weather Shield's custom wood bending capabilities make it easy to create a look that's truly one-of-a-kind.



## TEMPERING GLASS

Unlike the vast majority of window and door manufacturers, we cut and temper our own glass. Around the clock, our glass plant produces the almost limitless variety of glass pieces that form the starting point of our windows and doors.



## THICKER EXTRUSIONS

Unlike thin roll-form aluminum cladding found on many other windows and doors, Weather Shield uses thick aluminum extrusions that resist denting, dimpling, chalking and fading far better.



*"When my father first began making windows 50 years ago, every one was custom-made. That's still how we work at Weather Shield. We don't mass assemble products, and pull them off a shelf to fill an order. We craft every window and door to the exact specifications of our customers."*

Kevin Schield

Vice President  
Weather Shield Windows & Doors  
Medford, Wisconsin





# Exterior options to

More styles, more colors, more options.  
More chances for you to get it right.

In today's custom-built home, there is a greater demand for building features to be "architecturally correct". Niche architectural styles like Greek Revival, Craftsman Bungalow and Spanish Colonial are defined by details, especially window details. Weather Shield offers one of the most comprehensive selections of window and door exterior casings\* in the industry, giving you the chance to get the details right. Our one and two-piece wood or aluminum casing systems authentically bring character to a home's design. Combined with our Accentials® Distinctive Colors & Finishes System, we provide endless options to help you build true to any architectural style.

## ONE-PIECE PROFILE EXTERIOR WOOD CASING OPTIONS



2" BRICK MOULD

3-7/16" WASHINGTON K CASING



2" STUCCO MOULD

9522 STAFF BEAD

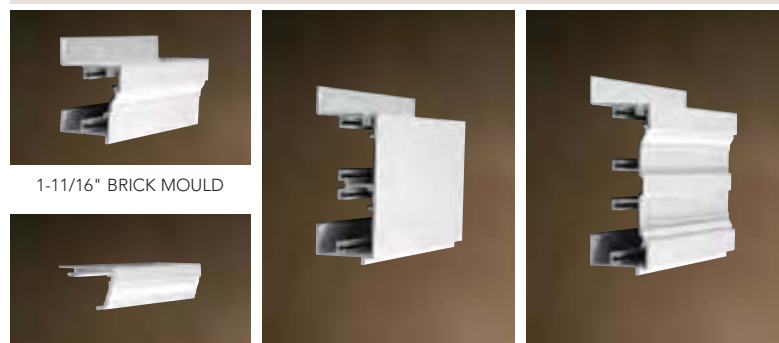
## The Perfect Fit For Every Style

Hundreds of possible exterior casing configurations are available with our two-piece system (wood shown at right), allowing you to create the perfect wood casing for every project you encounter. Our **flat casings** can be used alone or combined with one of our **back bands** for casing systems that are as unique as they are beautiful. A variety of **subsill** and **sill nose** options allows for an even greater number of style choices.



A variety of extruded **ALUMINUM-CLAD\*** exterior casings and mouldings make it easy to add an ideal finishing touch.

## ONE-PIECE EXTERIOR ALUMINUM CASING OPTIONS



1-11/16" BRICK MOULD

1" BRICK MOULD

3-5/16" FLAT CASING

3-13/16" WASHINGTON CASING



# accentuate any home.



*"Having the ability to create something that I've never seen before is incredibly appealing to me. The vast array of window styles, shapes and sizes that Weather Shield has to offer gives me the freedom to design practically any window or door configuration that I can envision. Whether it's modern in nature, or we are seeking a historic style of architecture, my options are wide open."*

Ken Hudes

Principal  
Atelier New York Architecture  
New York, New York



## WOOD FLAT CASING OPTIONS



1-1/8" 9536

3/4" 9539

## WOOD BACK BAND OPTIONS



9526

9528

9529 (OGEE)



1-1/8" 9538

3/4" 9540



9530

9531

9532



1-1/8" 9541

3/4" 9542



9533 (BEADED OGEE)

9534

9535 (OVATO)

## WOOD SUBSILL / SILL NOSE OPTIONS



STANDARD SUBSILL

NEW ENGLAND SUBSILL

9519 SUBSILL

9521 SUBSILL

9524 SUBSILL



STANDARD SILL NOSE

NEW ENGLAND SILL NOSE

9518 SILL NOSE

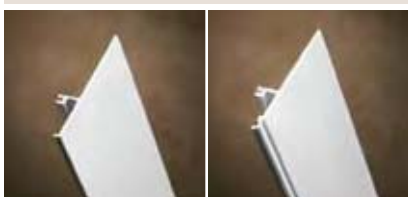
9520 SILL NOSE

9523 SILL NOSE

**Subsill products include:** casement, casement picture, casement transom, double-hung tilt transom, awning, French casement, scena-vu and single-hung transom.  
**Sill nose products include:** double-hung tilt, double-hung tilt picture, slider, single-hung and single-hung picture.

Two flat aluminum exterior casings can be used in combination with three different back band and bull nose styles for multiple configurations.

## ALUMINUM FLAT CASING OPTIONS



9575\* FLAT CASING

9574\* BEADED FLAT CASING

## ALUMINUM BACK BAND / BULL NOSE OPTIONS



10355\* BACK BAND

9502\* BACK BAND

9590\* BACK BAND



9601 1" BULL NOSE

9962 2" BULL NOSE

9561 1" FULL ROUND BULL NOSE

\*Bendable option available for curved units.

# Accentials™ colors & finishes bring

## Standard Colors

The most cost effective option is our standard color palette. These eight colors are the most requested and commonly used colors we offer.

## Designer Colors

An expanded offering of 47 designer colors has been meticulously selected and assembled by the world-renowned color-consulting experts at Sherwin-Williams®. Colors were researched based on a number of factors such as the latest fashion and design trends, historical significance and color grouping compatibility. The new palette offers hues ranging from subdued to vibrant, giving Weather Shield customers an unparalleled spectrum of design flexibility.

## Anodized Finishes

Anodizing is an electrochemical process that thickens and toughens the aluminum's naturally occurring protective oxide. Whether exposed to cold, sunlight or even salt air, anodized aluminum finishes won't rub, wear or chip.

## Custom Colors

Have a favorite color you want to match? Ask your dealer to submit your color swatch for color matching. Sometimes it takes a unique color to make a home as special as its owner.

## Light Reflectance Value (LRV)

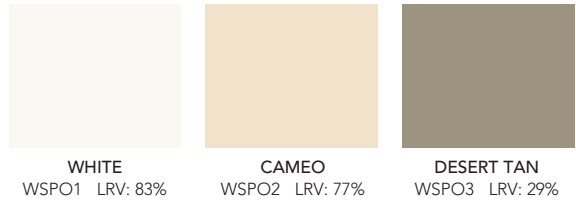
Light Reflectance Value (LRV) is a measurement that tells you how much light a color reflects and conversely how much it absorbs. LRV runs on a scale of 0% to 100%. Zero assumed to be an absolute black and 100% being an assumed perfectly reflective white. A spectrophotometer was used to determine the LRV. This testing does not take gloss level into consideration and gloss levels could affect the LRV by varying degrees.



Standard, Designer, and Custom colors are available for wood brick mould as well as aluminum exteriors. Finishes on extruded aluminum exterior products meet AAMA 2603 requirements. For special projects where AAMA 2605 is required, contact Weather Shield for details.

Exterior colors shown may not be accurate representations. Actual color samples are available upon request.

## 8 STANDARD COLORS



## 47 DESIGNER COLORS



# your personality to life.



WESTERN ADOBE  
WSP04 LRV: 10%



HARTFORD GREEN  
WSP05 LRV: 06%



OBSIDIAN  
WSP06 LRV: 05%



CRAFTSMAN BRONZE  
WSP07 LRV: 07%



BRICK RED  
WSP50 LRV: 06%



ACCESSIBLE BEIGE  
WSP10 LRV: 56%



LINEN  
WSP32 LRV: 64%



SANDSTONE  
WSP39 LRV: 42%



SALT MARSH  
WSP40 LRV: 33%



SUPERIOR BRONZE  
WSP41 LRV: 15%



QUAKER BRONZE  
WSP25 LRV: 08%



ARCADIAN  
WSP34 LRV: 27%



WOODLAND GREEN  
WSP33 LRV: 20%



BERCORITZ GREEN  
WSP36 LRV: 08%



BLACK FOREST  
WSP37 LRV: 04%



GUNPOWDER  
WSP19 LRV: 10%



SAGE GREEN  
WSP35 LRV: 17%



MOSS  
WSP42 LRV: 19%



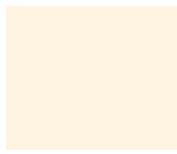
BRONZE GREEN  
WSP43 LRV: 09%



AUTUMN LEAF  
WSP47 LRV: 10%



GRAY MATTERS  
WSP27 LRV: 37%



PAMPERED PEACH  
WSP44 LRV: 82%



VITAL YELLOW  
WSP45 LRV: 74%



SUNBEAM YELLOW  
WSP38 LRV: 55%



RESTRAINED GOLD  
WSP46 LRV: 48%



INDIGO  
WSP24 LRV: 05%



SUNDRIED TOMATO  
WSP48 LRV: 06%



FIREBRICK  
WSP49 LRV: 05%



BOYSENBERRY  
WSP51 LRV: 07%



SHORELINE  
WSP28 LRV: 54%



TIMBERIDGE  
WSP52 LRV: 13%



ROYAL BROWN  
WSP53 LRV: 04%



APPALACHIAN BROWN  
WSP54 LRV: 04%



TUDOR HOUSE  
WSP55 LRV: 06%



8 ANODIZED ALUMINUM FINISHES\*



\*Exterior colors shown may not be actual representations. Actual color samples are available upon request.

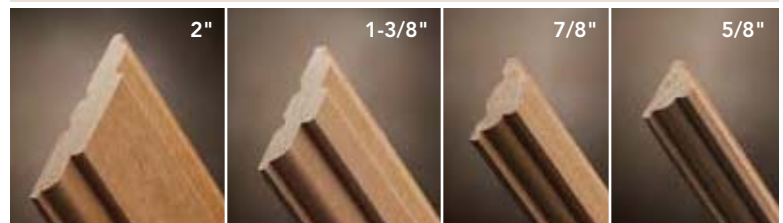


# Grille options create

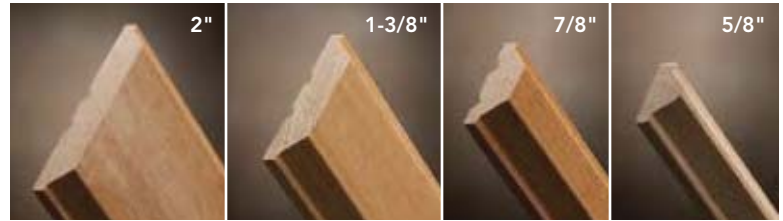
The look of True Divided Lite with the strength and energy efficiency of Simulated Divided Lite (SDL).

SDL grilles replicate the look of True Divided Lite (TDL) with grille bars that are permanently adhered to the interior and exterior glass surfaces as well as a narrow spacer bar that's positioned in the insulating airspace between the glass panes.

## SDL COLONIAL INTERIOR WOOD PROFILE OPTIONS\*



## SDL PUTTY INTERIOR WOOD PROFILE OPTIONS\*

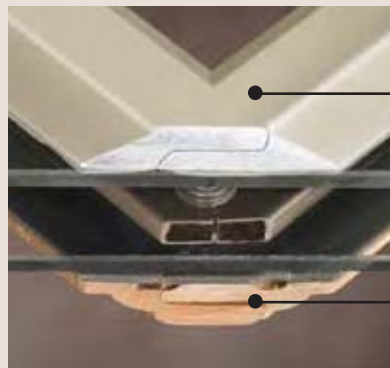


\* Restrictions and limitations vary depending on product ordered. Slider window products do not utilize these profiles.

Weather Shield's window and patio door grille options offer a unique opportunity for you to maintain the architectural integrity of your home's design while adding modern energy-saving technology in your windows and doors. **Our Simulated Divided Lite (SDL) profiles are architecturally correct**, providing the look of True Divided Lite with the strength and energy efficiency of SDL. From classic rectangular patterns to custom designs, Weather Shield can authentically complete most any style. And our vast array of choices in exterior colors and finishes as well as wood species interiors allows for even greater flexibility in creating or maintaining a home's unique character.

## Putty Exterior & Colonial Interior

A wood Colonial-style profile on the interior in combination with a wood or aluminum putty-glazed profile on the exterior accurately captures timeless architectural styles.



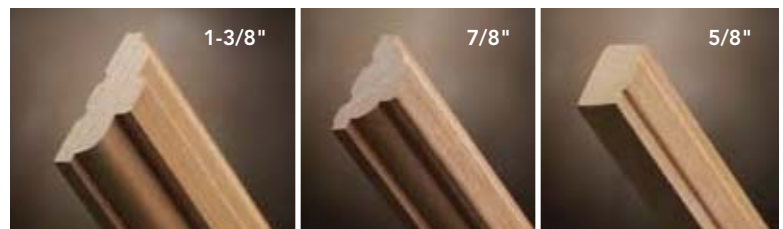
The putty glazed exterior profile (aluminum shown) resembles the sharper angles and flattened surfaces of traditional hand-glazed windows.

The Colonial interior wood profile features authentic rounded "ogee" accents that result in a smooth flowing look.



## Perimeter Grilles

Featuring a "frame" design that offers strength superior to simple stick grilles offered by other window manufacturers, Weather Shield perimeter grilles use a concealed pin system to snap them securely in place within the interior window frame. The grilles snap out just as easily for cleaning the entire interior glass surface of the window.



# dynamic impressions.

## Grille Options



### Simulated Divided Lite (SDL)

**Exterior grille bars** are available in aluminum or wood in widths ranging from 5/8" to 2". Choose from either putty glazed (shown) or Colonial styles.

A **narrow aluminum spacer bar** between panes offers clean sightlines and gives the appearance of True Divided Lite. The dark color of the bar (Adobe) further enhances the historic look.

**Interior grille bars** are available in up to eight species of wood to match new or existing interior furniture, flooring and trim. Choose from either Colonial (shown) or putty glazed styles.



## Airspace Grilles

Airspace grilles consist of aluminum muntin bars sealed in the insulating airspace between two panes of glass that produce the look of divided lite, yet makes cleaning windows much less of a chore.

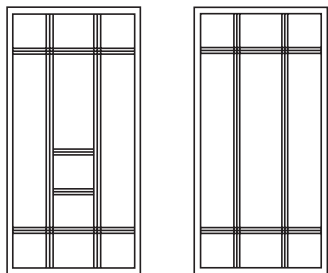


15/16" SCULPTURED



11/16" SCULPTURED

5/8" FLAT



### CUSTOM LITE CONFIGURATIONS

Weather Shield has many custom lite configurations that fit with an array of architectural styles. These choices provide a design detail that punctuates a home's unique character. Original lite configurations are also an option in fulfilling your vision for your home. Available in SDL and Perimeter Grille selections.

*The design examples shown are custom options and do not come standard with divided lite windows. Please contact an authorized Weather Shield dealer for pricing and availability.*





# Glazing options for

Clear choices for comfort at any hour of the day.

Perhaps having the ability to beautifully frame the sunrise each morning is top of mind for you. Or, just maybe, you want to bathe your home in warm, natural light.

Whatever you're looking for from your windows and doors, the full range of ENERGY STAR-compliant glazing choices offered by Weather Shield provides your home with the utmost in energy efficiency. No matter what time of day, or season, you can choose the right glazing to meet your needs beautifully.



Optional Low E<sup>2</sup> coatings help to filter UV rays to protect furnishings from fading while also insulating the home in winter and summer.

An airspace provides insulating power from summer heat and winter cold. Along with Low E<sup>2</sup> coatings, adding safe, colorless argon gas to the airspace increases the window unit's energy efficiency.

Tough high performance seals virtually eliminate air and gas migration, ensuring the window unit's efficiency. A Warm Edge spacer is standard in windows.

## U-VALUE AND R-VALUE

When choosing any window or door, look for information that lists the product's R-Value and U-Value. A higher R-Value means that the material used in that product is better able to retain heat within a home to keep it warm in cool weather, or reflect heat from the sun to keep it cool in warm weather. A lower U-Value means that the material is, by comparison, more energy efficient.

## LOW E<sup>2</sup>

The term "Low E<sup>2</sup>" means low emissivity. Emissivity is a property that's unique to materials, such as glass, which light can freely pass through. Filtering out the part of the light spectrum that transmits heat greatly reduces a window or door's U-Value and increases its R-Value. The benefits of adding a Low E<sup>2</sup> coating to glass include greater energy efficiency, increased comfort and UV protection that reduces the fading of artwork, curtains and furniture within a home.

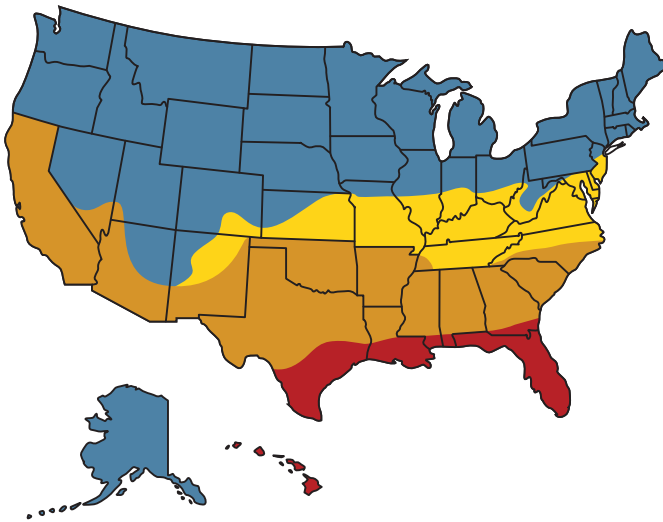
# beautiful efficiency.

## ENERGY STAR®

As a proud ENERGY STAR partner, we ensure our products are rated, certified, and labeled for U-Value and Solar Heat Gain by the National Fenestration Rating Council (NFRC).



The ENERGY STAR criteria for residential windows and doors are tailored to four Climate Zones. A product's energy efficiency for a given climate is based on its impact on heat gain and loss in cold weather and heat gain in warm weather.

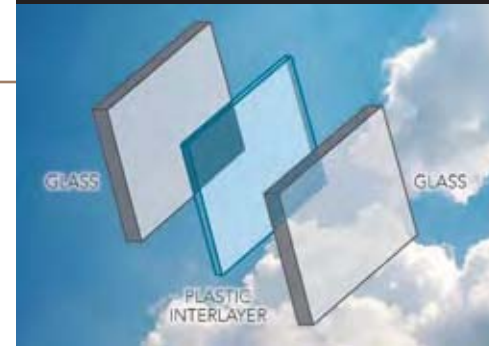


The four Climate Zones for ENERGY STAR qualified windows and doors are:

- Northern: Mostly Heating
- North/Central: Heating and Cooling
- South/Central: Heating and Cooling
- Southern: Mostly Cooling

Source: [energystar.com](http://energystar.com)

## Glazing Options



### SAFETY GLASS

Depending on its gauge (.030", .060", or .090"), optional safety glass can protect homes and homeowners from intrusion, injury, solar UV rays, ambient noise and severe weather.



# Glazing options to

## ZO•E•SHIELD GLASS

Our exclusive Zo•e•shield glazing systems feature **Multiple Layers of Low-E Coatings** that filter out the light spectrum's heat transmission, to optimize the sun's heat and a home's heating/cooling systems.

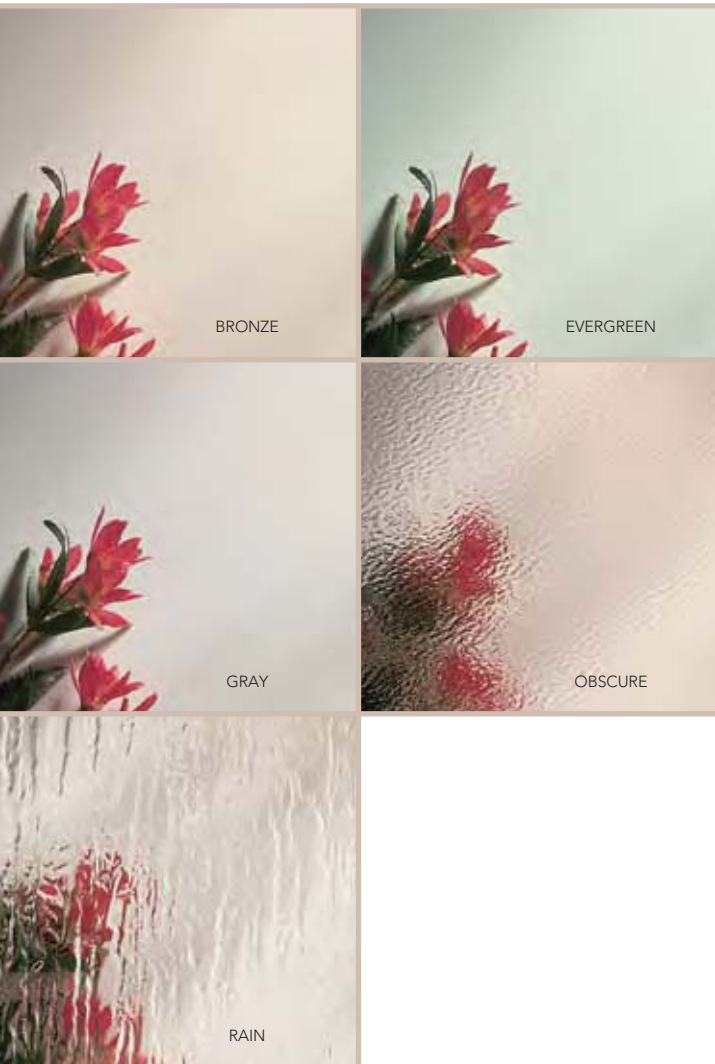
**EasyCare Glass** is an invisible, permanent coating that resists dirt and causes water to "sheet off" rather than "cling" to a glass surface. Water spreads and evaporates quickly to reduce spotting and make cleaning glass easier.

↑ MORE	<b>Zo•e•shield 7</b>	
	<ul style="list-style-type: none"> <li>• Three panes of glass</li> <li>• One EasyCare surface</li> <li>• One multi-layer Low E coating</li> <li>• Additional multi-layer Low E coating</li> </ul>	<ul style="list-style-type: none"> <li>• Two inert gas-filled insulating airspaces</li> <li>• Two Real Warm Edge Spacers</li> </ul>
↑ ENERGY SAVINGS	<b>Zo•e•shield 6</b>	
	<ul style="list-style-type: none"> <li>• One panes of glass and one laminated pane</li> <li>• One EasyCare surface</li> <li>• One multi-layer Low E coating</li> </ul>	<ul style="list-style-type: none"> <li>• One inert gas-filled insulating airspace</li> <li>• One Real Warm Edge Spacer</li> </ul>
	<b>Zo•e•shield 5</b>	
↑ LESS	<b>Insul Low E<sup>2</sup> with Argon Gas</b>	
	<ul style="list-style-type: none"> <li>• Two panes of glass</li> <li>• One Low E<sup>2</sup> surface</li> <li>• Warm Edge Spacer</li> </ul>	<ul style="list-style-type: none"> <li>• One Argon gas-filled insulating airspace</li> </ul>
	<b>Insul Low E<sup>2</sup></b>	
	<ul style="list-style-type: none"> <li>• Two panes of glass</li> <li>• One Low E<sup>2</sup> surface</li> </ul>	<ul style="list-style-type: none"> <li>• One insulating airspace</li> <li>• Warm Edge Spacer</li> </ul>
<b>Insul</b>		
	<ul style="list-style-type: none"> <li>• Two panes of glass</li> <li>• Warm Edge Spacer</li> </ul>	<ul style="list-style-type: none"> <li>• One insulating airspace</li> </ul>

Standard Glazing options are all rated, certified, and labeled by the National Fenestration Rating Council (NFRC).

## SPECIALTY GLASS

Add color and texture—or privacy and modesty—to your palette of design options. Special finishes and tints can give a project distinction. Specialty glasses include Obscure, Bronze, Rain, Evergreen, Spandrel, Green, Bronze Reflective, Gray, and Gray Reflective.





# match any climate.

Zo·e·shield offers an optional **Polyvinyl Butyral (PVB) Interlayer** laminated between two panes of glass for improved safety against shattering, as well as greater sound protection from exterior noises.



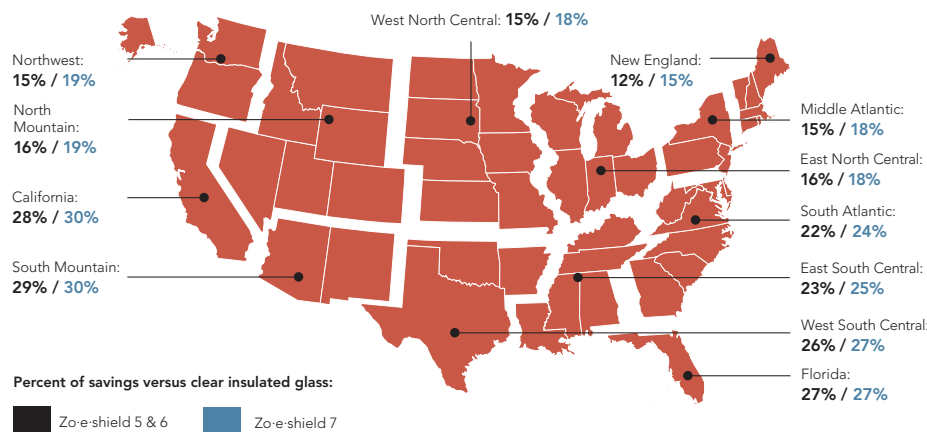
Adding safe, colorless **Inert Gas\*** to the airspace between panes of glass can further enhance thermal performance and improve energy efficiency.

Our unique **Real Warm Edge Flexible Spacer** between the panes of glass insulates the edge of the glass better to help improve thermal performance and reduce condensation.

Installing Zo·e·shield windows and doors can lower energy bills and save you money over clear double-paned wood windows. Your estimated savings will vary from region to region based on home heating and cooling costs. Variations are generally greatest in regions with hot summers, cold winters, or both.

The estimated savings for a typical home, from replacing double-paned wood windows with Zo·e·shield windows, are significant in all regions of the country and can range from 15% to 30% a year.†

## ENERGY SAVINGS WHERE YOU LIVE



\* Inert airspace gases are not available in all states. Please check with your Weather Shield dealer.

† Savings are relative to a double-pane clear glass window. Based on a national average size house (2,300 sq. ft., 2-story), with 18% window-to-floor area ratio, 30% shade usage, gas heat and electric air conditioning. Long-term national average energy prices of \$1 per therm for natural gas and \$0.09 per kWh electric. Actual savings will vary by climate region, house type, homeowner operational characteristics, and local energy prices.

## Glazing Options

### U-FACTOR

U-Factor represents the amount of heat escaping through window or door glass within an hour's time. The lower the U-Factor, the more energy efficient the glass.

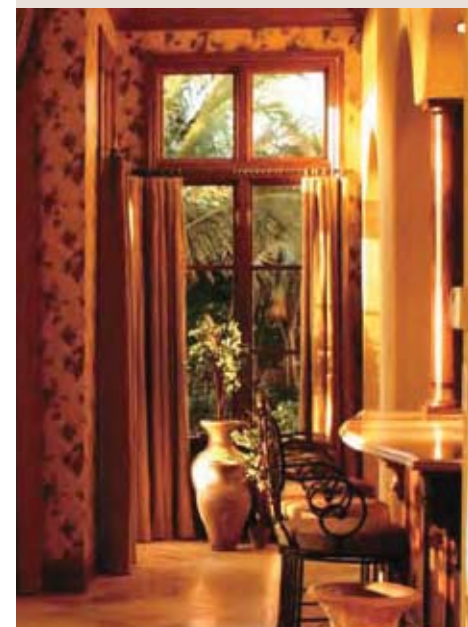
U-FACTOR†	0	.1	.2	.3	.4
CLEAR INSULATED GLASS					.48
STANDARD LOW E²			.30		
Zo·e·shield 5				.24	
Zo·e·shield 6				.23	
Zo·e·shield 7				.19	

### SOLAR HEAT GAIN

Solar Heat Gain Coefficient (SHGC) measures how well a window or door glass blocks the heat from sunlight. The lower the value, the less solar heat the glass allows through.

SHGC†	0	.1	.2	.3	.4	.5	.6
GRAY-TINTED INSULATED GLASS							.60
STANDARD LOW E²				.42			
Zo·e·shield 5				.27			
Zo·e·shield 6				.27			
Zo·e·shield 7				.25			

[zoeshield.com/weathershield](http://zoeshield.com/weathershield)





# Interior options that

Experience the beauty of natural wood selection for yourself.

There is no substitute for the natural beauty of wood. Like your own fingerprints, each species of wood has its own pattern. Just as no two homes are exactly alike, different wood displays distinguishing characteristics.

The beauty of wood extends far below the surface as well. It's one of nature's most efficient insulators. Properly dried, milled and joined together, it reflects the essential qualities we require for windows and doors that carry the Weather Shield name.

Giving you the freedom to choose from a variety of wood species is in its own way a form of natural selection. Find the one that provides the best match for you and your home. Once you do, we can beautifully handcraft windows and doors that bring your vision to life.

## INTERIOR WOOD TRIM

Interior wood trims in 11 styles plus rosettes give you unparalleled design flexibility.



# fit individual tastes.

### CUSTOM WOOD INTERIORS COLLECTION®

Weather Shield's exclusive Custom Wood Interiors Collection offers eight wood species that allow you to match the fine cabinetry, furniture, floor and trim within one room or throughout your home.

The color and grain of natural wood varies. Color and grain shown may not be actual representations. Samples are available upon request.



*"Even before we begin construction, we've found that the Weather Shield Custom Wood Interiors Collection® gives us a great deal of flexibility when we're speaking with architects and homeowners. The wide selection allows us to suggest using one particular hardwood, such as alder, to create a cohesive design for an entire home. Or we can vary wood species from one room to another to create entirely unique spaces."*

Craig Valvo,  
Marlene & Thomas O'Reilly

Partners  
Living Color Property Development  
Delray Beach, Florida



ALDER (CHARACTER)



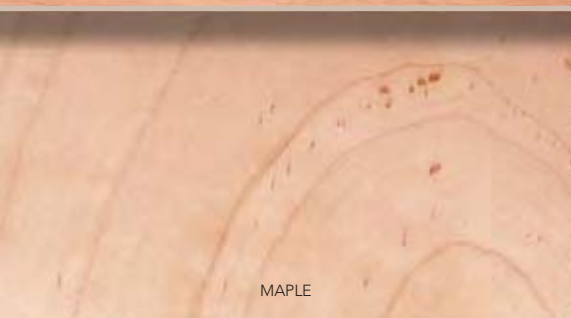
AMERICAN FIR



CHERRY



MAHOGANY



MAPLE



OAK



PINE (KNOTTY)



PINE (STANDARD)



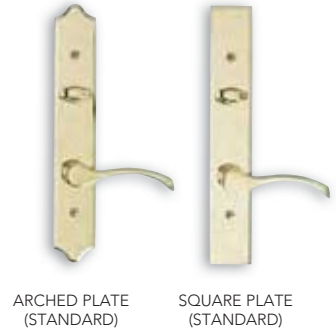


# Hardware options that

## Ways to get a handle on quality.

### HINGED PATIO DOOR HANDLE SETS

Weather Shield **hinged patio door handle sets** offer six color choices (on standard handle sets) that complement your home's décor. Three-point locking systems and PVD finishes for added resistance to corrosion are available. Key locks are optional.



### PATIO DOOR SYSTEM HANDLE SET COLORS\*



### STONE RIVER BRONZE FINISHES\*

We've chosen two classic **Stone River Bronze finishes\*** for our Weather Shield hardware—and seven more are available with additional lead time.

Colors shown are Natural Nickel (Standard), Dark Antique #73 (Standard), Light Antique, Charcoal Black, Mink, Natural, Medium Antique, Solid Dark and Dark Antique #83.



\* Colors shown may not be accurate representations.

### Hinged Patio Door Handle Set Stone River Bronze Upgrade



\*\* Both plate styles are available with AL, TL, or WL handle choices.

### TELESCOPING PATIO AND SLIDING PATIO DOOR HANDLE SETS

Weather Shield's contemporary style **telescoping patio door handle sets** feature a handle-activated, stainless-steel multi-point locking system and are available in eight popular finishes. Weather Shield **sliding patio door handle sets** feature rugged all-metal components and a two-point locking system (on standard handle set). Upgrade handle set options have a three-point locking mechanism. An optional key lock is available.



\*\*The Wider plate is available on the French Sliding Patio Door. Narrow plate is standard on sliding patio door.  
† Both plate styles are available with HLO or TLO handle choice.

# open everyone's eyes.

## DOOR HINGES

Four **adjustable door hinges** are standard on each Weather Shield hinged patio door panel and allow door heights to be adjusted after installation to keep doors plumb and square. Adjustable hinges are only available on hinged patio doors in coordinating finishes.



HINGED PATIO DOOR  
ADJUSTABLE DOOR HINGE

## WINDOW HARDWARE CHOICES

Weather Shield window **tilt latches, slider latches, sash locks and casement sash locks** are designed to operate smoothly and securely. An optional corrosion-resistant seacoast package on casement sash locks (on Goldtone, White and Adobe hardware finishes only) offers you exceptional protection against the abrasive effects of salt air.



TILT SASH LOCK  
BRIGHT BRASS



SLIDER SASH LOCK  
GOLDTONE



CASEMENT SASH LOCK  
GOLDTONE

For convenience, the standard **nested casement window crank handle** folds down and out of the way when not in use. Optional round handles as well as "T" style handles are also available. American Disabilities Act (ADA) approved crank and electric operator handles provide ease of use for people with limited mobility.



NESTED FOLDING HANDLE  
(STANDARD)



ELECTRIC OPERATOR  
(Available in Bronze, Goldtone, Tan\*, and White)  
\*Tan does not match Desert Tan

Weather Shield window hardware is offered in Bright Brass, Goldtone (standard), White, Adobe, Oil-Rubbed Bronze, Brushed Nickel or Brushed Chrome.



*"The menu of styles, color choices and hardware options that Weather Shield offers our clients is immense. We're also confident that service after the windows and doors are installed is always there should we need it. That's important because if our clients are happy, we are, too."*

Jude Kirik

Principal & President  
Pacific Peninsula Architecture  
Menlo Park, California



# Casement and awning



Find comfort in knowing you can get exactly what you want.

With more grille profile options, long-lasting all-metal hardware and exceptional energy efficiency, Weather Shield casement and awning windows continue to raise the bar for architects, contractors and homeowners alike. Featuring sash that smoothly swing in or out with the crank of a handle, these windows easily direct fresh air into your home and beautifully frame any view.



## DESIGN FLEXIBILITY

A choice of grille profiles, including **putty-glazed and colonial**, are designed to match the appearance of traditional wood windows.

**Two metal sash locks** on casement windows more than 44" tall secure the units at the top and bottom. Each lock is profiled to match the contours of the window jamb and color of the handles.



## EXCEPTIONAL ENGINEERING

The thick, heavy-duty **extruded aluminum frame** features a rigid integral aluminum nailing fin for greater structural integrity and easier installation.

A **tie-bar hidden behind the jamb** connects both locks and allows them to operate simultaneously from the bottom sash lock handle.



## OPERATING EASE

**Casement sash open 90 degrees** for maximum ventilation and easy cleaning from inside the home.

The standard, **all-metal "nested" operator handle** features a cam-action hinge that locks the handle into place when the window is being opened or closed. The handle folds down when not in use to prevent interference with window blinds.

# windows that shine.



Casement



Eyebrow Casement



French Casement



Awning



*"Weather Shield constantly offers new options that add a superb finishing touch to the homes I design. For example, on casement windows, the putty-glazed grille profile beautifully replicates the look of traditional hand-glazed divided lite window panes. It's this attention to detail that really sets them apart from other window manufacturers".*

Ileana Martin-Novoa

Partner  
Katz/Novoa, Architects  
Millburn, New Jersey

## SCREEN OPTIONS



Weather Shield's **NO•SEE•UM™** screen is a new mesh screen cloth (shown left) designed to

clarify the view compared to that of traditional screens. Other benefits include increased bug protection, visible light and air flow.

A wood wrap is also available as an option with most interior screen selections. The wood wrap maintains a consistent wood grain to match the interior wood of the unit creating a seamless look. Available in six species of wood.

*Other screen choices include mesh fiberglass screen cloth (standard) and a glare-resistant aluminum screen cloth.*



# Double-hung tilts



Proof that you can't get too much of a good thing.

With an ideal balance of beauty and practicality, Weather Shield double-hung tilt and slider windows offer an abundance of features that are clearly visible for your benefit. Other features are out of sight, but never out of mind. For example, unlike tilt windows made by other manufacturers, there are no cables, strings or clips to detach. Perhaps the only easier way to tilt windows open for cleaning would be to have someone else do it for you.



## EASY OPERATION

The **precision-calibrated balance system** concealed within the jamb-liner allows you to lift, tilt in or remove both top and bottom sash on tilt windows with ease.

**Flush-mounted fingertip latches** release both sash inward for cleaning.



## ENGINEERING EXCELLENCE

The mitered corners on the **nailing fin, frame, sash and glazing bead**, eliminate unsightly squared-off or overlapping corner cuts.

The **face-applied accessory channel** provides more contemporary styling and improved sight lines when used with options including brick mould.

## FINISHING DETAILS

**Routed finger lifts** on double-hung tilt windows eliminate the need for protruding handles.

**Detailed inside stops with coped ends** help maintain a clean, streamlined appearance.



# that work beautifully.



Double-Hung Tilt



Eyebrow



Double-Slider\*\*



Oriel



Square Out/Radius In\*

\* Only available in all-wood units.

\*\* Triple-Slider also available.

## Tilt & Slider Windows



### DOUBLE- AND TRIPLE-SLIDERS

Weather Shield slider windows are classically styled, with understated simplicity and ease-of-use. The sash glide effortlessly to allow an abundance of fresh air inside. To make cleaning less of a chore, the sash tilt in for easy removal.

A **sill track cover** offers a cleaner, finished look by concealing the vinyl sill track and weep holes.

**Bulb-type weather stripping** at the meeting stiles provides an airtight seal to help reduce air and water infiltration.

### SCREEN OPTIONS



Weather Shield's **NO•SEE•UM™** screen is a new mesh screen cloth designed to clarify the

view compared to that of traditional screens. The screens not only provide a functional upgrade to windows and patio doors but offer other benefits including increased bug protection, visible light and air flow.

Other screen choices include mesh fiberglass screen cloth (standard) and a glare-resistant aluminum screen cloth.



# Direct-set windows



Allow your imagination to go full circle, or practically anywhere.

Highlighted by energy efficient glass panes that are glazed directly into the surrounding frame, Weather Shield direct-set windows are available in custom sizes and shapes that add a personal touch to your home that's as unique as your own fingerprint. Virtually any shape you can envision can be crafted into a window by the skilled hands of Weather Shield artisans. They can even bend windows that seamlessly blend into a curved wall or follow it around a corner.



## BEAUTIFUL CHOICES

Transom windows can be customized to accentuate or match the wood species, type of grille and pattern that you select for the Weather Shield windows and patio doors installed in your home.

Airspace, perimeter or simulated divided lite (SDL) grilles are available in a wide variety of bar widths and profiles.

Weather Shield transom windows allow reglazing from the interior. Glass is sealed with a cross-linking, hot-melt, dual seal system.



## The ideal way to top off Weather Shield windows and patio doors.

Whether you want to open your home to an awe-inspiring view or allow more daylight to stream in, Weather Shield transom windows are ideally suited for the job. Stacked above Weather Shield windows, hinged, sliding or telescoping patio doors, transoms add the perfect finishing touch to a variety of home styles.

# beautifully shape light.



Full Circle



Gothic Arch Top



Arch Top with Extended Legs



Triangle

In addition to the Weather Shield direct-set windows shown here, the following shapes are available: Quarter Arch Top, Half Circle, Quarter Circle, Oval, Full Ellipse, Half Ellipse, Quarter Ellipse, Diamond, Pentagon, Hexagon, Octagon, Cloverleaf, Parallelogram, Palladian, Rectangle, Right Triangle, and Trapezoid.



Direct-Set Transom



Direct-Set Transom with Sim Sash



Direct-Set Transom with Door Insert\*

\* Only available for French Sliding Patio Doors.

## Direct-Set Windows



*"Working with Weather Shield has been a very pleasant and professional experience. I receive good shop drawings to work with, and the communication is excellent. From a structural standpoint, the windows and doors install easily without racking or shifting. Even with very large combinations that we've mulled on site, everything fits together just as it should."*

Tony Pisto

President  
Maranatha Construction, Inc.  
Albuquerque, New Mexico



## ABUNDANT VARIETY

For a touch of elegance, Weather Shield's custom wood bending capabilities make it easy to produce direct-set windows that incorporate radius curves, as well as matching frame and trim using Alder, American Fir, Cherry, Mahogany, Maple, Oak or Pine from the Custom Wood Interiors Collection®.

# Hinged patio doors



Choices like these are always easy to live with.

Whether you prefer the warmth of wood inside and out, or the added durability and low maintenance of extruded aluminum exteriors, Weather Shield® hinged patio doors make a strong, lasting impression.

French center-hinged patio doors offer the same styling as traditional French doors, but hinge in the center to save space. With an eyebrow or round top rail, Arbor Series doors provide a unique design alternative. For a graceful appearance, choose inswing or outswing full radius French doors.



## INSTALLATION EASE

Extruded aluminum-clad door frames feature an **integral nailing fin** that increases stability and allows for precise, easy installation.

A full **4-9/16" jamb** allows the entire patio door unit to be installed without extra parts.



## BEAUTIFULLY EFFICIENT

When doors are closed, **three-point contact weather stripping** keeps blowing rain, sleet and snow outside where it belongs, ensuring a weather tight seal.

**Coordinating handle set and hinge finishes** beautifully complement the hardware on cabinetry and interior doors.



## UNCONDITIONAL STRENGTH

**Laminated Veneer Lumber (LVL)** utilized on the 1-3/4" thick door panels in heights up to 10 feet provide added strength and durability.

On traditional French door styles, select from **7-1/2", 10" or 12" bottom rail heights**. Also available on French center-hinged doors.

# make strong statements.



Traditional French Door



Eyebrow French Door



Arbor Series French Door



French Center-Hinged Door



Full Radius French Door

## Hinged Patio Doors



### PEACE OF MIND DEFINED

For years of trouble-free operation, Weather Shield hinged patio doors feature corrosion-resistant stainless steel hardware components.

A factory-installed, handle-activated 3-point lock mechanism features brawny 8mm shoot bolts that secure active door panels at the top, middle and bottom.

To keep doors opening and closing smoothly, exclusive German-engineered 4" adjustable hinges allow for precise door adjustment.



### STAINLESS STEEL HARDWARE

Weather Shield hinged patio doors feature handle-activated, stainless steel multi-point locking handle sets that are available in six popular finishes.



# Sliding patio doors



Inviting in every respect. Beautiful, strong and secure in any home.

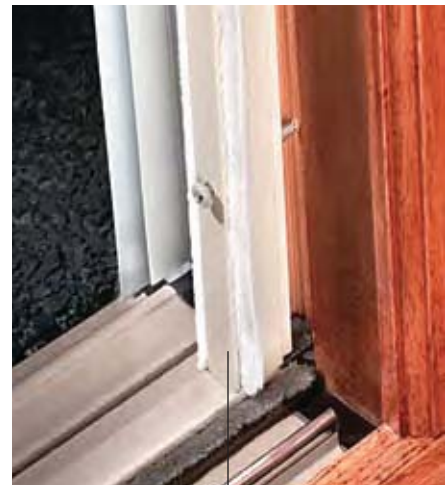
With Weather Shield sliding patio doors, opening up your home to a balcony, patio, pool deck or backyard is easily done, even in smaller rooms. In addition to inviting more natural light and fresh air inside, an abundance of colors, wood choices and accessories are available. This includes your choice from our three sliding patio door handle set options in many of today's popular finishes. With this many options, you can achieve just the right look to match any architectural style.



## STRUCTURAL INTEGRITY

— **Heavy-duty 3/4" x 3" dowels** join door panel stiles and rails together at the corners.

For greater durability and resistance against water and air infiltration, frame corners are reinforced with a **structural corner key** and injected with silicone.



## OPERATING EASE

— A **latch side parting stop** improves door panel support. (Shown partially uninstalled for illustrative purposes.)

**Large 1-1/2" dual tandem rollers** on the bottom of each panel ride smoothly on a stainless steel-capped pultruded rail in the door's sill.



## BEAUTIFULLY SAFE

— A **metal end plate** conceals wood end grain in the mortised lock pocket.

For security, a **two-point lock** is standard in dichromate or stainless steel. A three-point locking system is also available with the handle upgrade.

**All-metal handle sets** are available in six popular finishes.

# open up any room.



Standard Sliding Patio Doors



French Picture Sliding Patio Doors



French Sliding Patio Doors



3-Panel Sliding Patio Doors\*

\* Also available with French Styling (larger stiles and rails).

## Sliding Patio Doors



### SILL FEATURES

A **fiberglass pultruded sill** on Weather Shield sliding patio doors protects the side jambs from moisture, and an internal weep system in the sill channels water away from the home.

**Rubber gaskets** on the sill are utilized to provide more durability than caulk seals which can often fail over time.

An optional hardwood **sill riser dam** provides a DP-50 rating for stringent building codes.

### SCREEN OPTIONS



Weather Shield's **NO•SEE•UM™ screen** is a new mesh screen cloth designed to clarify the

view compared to that of traditional screens. The screens not only provide a functional upgrade to windows and patio doors but offer other benefits including increased bug protection, visible light and air flow.

Other screen choices include mesh fiberglass screen cloth (standard) and a glare-resistant aluminum screen cloth.



# Telescoping sliding patio doors make



Weather Shield telescoping sliding patio doors merge the architectural elegance of traditional French door panels with unparalleled form and function. A no-astragal design opens up an entire wall section without any interfering supports.



Never let an opportunity to beautify a home slide by.

Available in heights up to 10 feet to fit openings up to 23 feet wide, Weather Shield telescoping sliding patio doors beautifully combine form and function to open up any room in dramatic fashion. Every inch has been designed, manufactured and tested to provide the utmost in reliability. So you can be assured that the doors will open and close smoothly, seal tightly, and perform like new for years to come.



## WEATHER SHIELD POCKET DOOR SYSTEM\*

Weather Shield offers another version of the telescoping sliding patio door as a pocket door system. Available in an easy-to-operate manual version or an ultra sophisticated motorized configuration, the system can be configured in lineal, bi-parting or 90 degree applications. An interlocking mechanism couples each panel together, allowing the entire door system to open and close by pulling on the lead panel. Up to 10 panels glide along stainless steel rollers and rails, and conveniently store in a pocket wall cavity, creating uninterrupted views.

\*The Pocket Door System features vary from those shown above for the Telescoping Patio Door.



# a dramatic entrance.

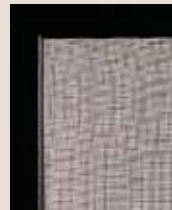


*"Weather Shield telescoping patio doors open up a lot of exciting design options for me. There are many multi-functional spaces that these doors are ideally suited for. By sliding the doors closed, sound isolation between the spaces is just as easily achieved."*

Michael A. Shue, AIA

Principal  
Chapman Coyle Chapman Architects  
Marietta, Georgia

## SCREEN OPTIONS



Weather Shield's **NO•SEE•UM™** screen is a new mesh screen cloth designed to clarify the

view compared to that of traditional screens. The screens not only provide a functional upgrade to windows and patio doors but offer other benefits including increased bug protection, visible light and air flow.

Other screen choices include mesh fiberglass screen cloth (standard) and a glare-resistant aluminum screen cloth.



## SMOOTH OPERATION

The sill\* is designed for recessed installation in the floor with **primary and secondary channels** that easily guide the door panels into place.

\* Aluminum sill standard. Fiberglass sill optional.



**Stainless steel roller caps** in the door panel channels resist rust even after years of exposure to rain or snow.

## RELIABLE PERFORMANCE

Large, **1-1/2" stainless steel ball bearing tandem rollers** make opening and closing practically effortless.



**Slip coat weather stripping** between panels helps doors operate smoothly.

## UNIQUE ENGINEERING

Because **no astragal is required**, the panels have a clean exterior and interior appearance.



A **full 6-9/16" jamb** allows the entire unit to be installed without any extra parts.

An **interlocking mechanism** connects one panel to another, moving each into place by simply pulling or pushing on the door handle of the lead panel.

## PERFORMANCE AT THE TOUCH OF A BUTTON



Although the pocket door system glides open with ease, a motorized option is available. A simple touch screen control (shown left) activates a motor system that quietly opens and closes your doors. This system features an automated locking mechanism that enables the doors to remain locked while in the closed position and an unlock option to allow manual operation if desired. A handle set (shown right) is available in a white, silver or oil-rubbed bronze finish.





*"I always have to consider the bigger picture when I'm specifying products for the homes I design. Weather Shield provides me with the options needed to make each project truly unique. Whether there are questions about specifications, installation instructions or unique configurations, the people at Weather Shield are always there for me. You just can't put a price on service like that."*

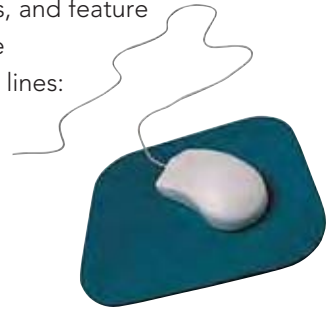
Kenneth  
Architect  
Long Island, New York

## The sun never sets on our commitment to you.

One call or click is all it takes to answer practically any question you might have regarding Weather Shield windows and doors. By visiting our Web site or contacting our architectural services department, we will try to provide the information you are searching for regarding our products.

**Weather Shield online Architectural Detail Manuals** for select product lines are located on our Web site at [www.weathershield.com](http://www.weathershield.com). Architectural Detail Manual CDs are also available for select window and door product lines, and feature the same convenient navigation used on the Web site. Site information includes the following on many of our product lines:

- Cross Sections
- Elevations
- Testing/Certification
- CSI Specifications
- Installation Instructions
- Accessories
- Other Support Documents



In addition, the **Weather Shield technical support hotline** is available Monday through Friday from 8 a.m. to 5 p.m. central time. Call 1-800-538-8836 or fax us at 1-800-390-1225. You can also e-mail Weather Shield's architectural services department at [archservices@weathershield.com](mailto:archservices@weathershield.com).

For questions concerning current pricing, your order status and other administrative issues, please contact your local Weather Shield dealer or territory manager.





# Weather Shield Important Information

All Weather Shield products are purchased subject to Weather Shield's "Limited Warranty and Adjustment Policy." As described in the "Limited Warranty and Adjustment Policy," NO DISTRIBUTOR, SALESPERSON, DEALER, RETAILER OR OTHER REPRESENTATIVE OF WEATHER SHIELD OR ITS PRODUCTS HAS THE AUTHORITY TO ALTER OR CHANGE THE "LIMITED WARRANTY AND ADJUSTMENT POLICY," EITHER ORALLY OR IN WRITING.

Therefore, no purchaser of Weather Shield products may rely on any such attempted alteration or change. For a copy of our full warranty, please contact your Weather Shield dealer or our Corporate Office at (715) 748-2100.

In addition to the disclaimers contained in Weather Shield's "Limited Warranty and Adjustment Policy," purchasers of Weather Shield products should note the following additional CAUTIONS:

1. Weather Shield cannot be responsible for improper installation or measurement of its products. Framed openings must be of proper dimensions and be plumb and square. Sills and heads must be level, jams must be plumb and units must be square before anchoring. Unit installation and operation should be checked prior to application of interior trim. If a purchaser of Weather Shield products or such purchaser's installation contractor is unsure about proper installation or measurement requirements, Weather Shield should be contacted directly at (715) 748-2100. REMEMBER: WEATHER SHIELD INSTALLATION RECOMMENDATIONS ARE GUIDELINES ONLY. EVERY INSTALLATION IS DIFFERENT. WEATHER SHIELD STRONGLY RECOMMENDS CONSULTATION WITH AN EXPERIENCED CONTRACTOR, ARCHITECT OR ENGINEER.
2. Weather Shield cannot be responsible for improper finishing of its products. If a purchaser or purchaser's installation contractor is unsure about proper finishing requirements, Weather Shield should be contacted directly at (715) 748-2100.
3. It is the sole responsibility of the architect, building contractor or homeowner to select Weather Shield products that comply with applicable building codes and ordinances. Weather Shield shall not be held responsible for such compliance.
4. Weather Shield cannot be responsible for local safety glazing or ingress-egress requirements. Weather Shield windows are not produced with safety glazing unless specifically ordered. If broken, window glass could fragment and cause injury. Tempered glass is available and may reduce the likelihood of injury in the event of breakage. All Weather Shield doors are produced with tempered glass.
5. Weather Shield cannot be responsible for the calculation and design of support mullions or the structural support required for product installation.
6. Weather Shield products are designed to perform under adverse weather conditions. Additional product options are available for extreme weather conditions such as seacoast climates, highrise construction, high wind areas and high humidity areas.
7. Weather Shield cannot be responsible for improper internal conditions, such as improper ventilation, improper heating or cooling or improper humidity control.
8. WEATHER SHIELD WINDOW AND DOOR SCREENS ARE NOT DESIGNED TO RESTRAIN CHILDREN OR ANIMALS.
9. Acid solutions commonly used to wash brick and other masonry materials may damage glass and hardware. Immediately wash acid solutions splashed on glass or hardware surfaces with clear water to protect against etching and rusting.
10. Hardware should be cleaned or polished only in accordance with instructions packed with each product. Wood surfaces should only be cleaned or polished with products specifically made for wood cleaning or polishing. Weather Shield cannot be responsible for the use of improper cleaning or polishing products.
11. Direct application of certain types of film to glass surfaces may cause thermal stress conditions for which Weather Shield cannot be responsible. Movable insulating materials such as insulating window coverings, shutters or other shading devices may cause similar results or may cause excessive condensation for which Weather Shield likewise cannot be responsible.
12. Weather Shield cannot be responsible for defects or damages caused by parts used which were not manufactured or supplied by Weather Shield.
13. Weather Shield cannot be responsible for damages to its products caused by adverse environmental conditions such as air polluted by corrosive agents.
14. Wood is a product of nature and can have imperfections.
15. Exterior colors shown may not be actual representations. Actual color samples available upon request.
16. The effectiveness of an inert gas will be eliminated in window products ordered and/or manufactured with capillary tubes. Additionally, an inert gas may migrate from any insulated glass unit.
17. Weather Shield windows and doors manufactured with hardwood interiors may contain hardwood veneers.
18. Weather Shield door sills are manufactured with hardwood components of a variety of wood species.
19. Weather Shield Products With Synthetic Stucco. Serious concerns have been raised about excessive moisture problems in houses and other buildings that have Exterior Insulation Finish Systems, commonly referred to as EIFS, or Synthetic Stucco. Many experts agree that some amount of water or moisture can be expected to enter almost any building exterior system. The building system should allow such water and moisture to escape or "weep" to the exterior, so no harm is done. However, some EIFS systems may not allow water or moisture that penetrates the wall system to "weep" to the exterior. This can cause excessive moisture to accumulate within the wall system, which can cause serious damage to wall and other building components. It has been reported that so-called "barrier" EIFS systems are particularly prone to this problem. Moisture problems in any type of building structure can be reduced by proper design and construction with appropriate moisture control considerations, taking into account prevailing climate conditions. Examples of moisture control considerations include proper flashing and/or sealing of all building exterior penetration points, use of appropriate materials and construction techniques, adherence to applicable building codes, and general attention to proper design and workmanship of the entire building system, including allowances for management of moisture within the wall system. Determination of proper building design, components and construction, including moisture management, are the responsibility of the building designer, the contractors, and the manufacturer of the exterior wall finish products. Questions and concerns about moisture management issues should be taken up with these professionals. Weather Shield is not responsible for problems or damages caused by deficiencies in building design, construction or maintenance, failure to install our products properly, or use of our products in systems that do not allow for proper management of moisture within the wall system.
20. The performance of windows and doors may be affected by factors beyond Weather Shield's control, such as handling and installation, construction details of the building, exposure conditions, maintenance, normal wear and tear, migration of an inert gas from the insulated glass unit and the like. Ratings (for example, R- or U-values, infiltration tests, etc.) are for comparison purposes only. While Weather Shield products are manufactured to meet or exceed published ratings, it is not possible to guarantee that they will meet or exceed those ratings after they have been installed.
21. Weathering is normal and does not indicate a product defect.

# Weather Shield Windows & Doors Full Line of Design Solutions



COLLECTIONS*	WEATHER SHIELD*	LIFEGUARD® & LIFEGUARD® IG	FIBERGLASS-CLAD WOOD WINDOWS	PROSHIELD*	CUSTOM SHIELD*	TILT SASH REPLACEMENT KITS	HR175*
<b>WINDOW STYLES</b>							
French Casement	French Casement						
Push Out Casement	Casement	Casement	Casement	Casement	Casement		
	Awning	Awning	Awning	Awning	Awning		
DH Tilt	DH Tilt	DH Tilt		DH Tilt	DH Tilt	DH Tilt	
SH Tilt	SH Tilt					SH Tilt	SH Tilt
	Triple Slider						
	Double Slider			Double Slider			
				Single Slider			
	Direct-Set	Direct-Set	Direct-Set	Direct-Set			
	Scena-Vu				Scena-Vu		
						HR175-Wood	
<b>DOOR STYLES</b>							
Hinged Patio	Hinged Patio	Hinged Patio		Hinged Patio	Hinged Patio		
Sliding Patio	Sliding Patio			Sliding Patio	Sliding Patio		
	Telescoping						
Entrance							
<b>EXTERIORS / INTERIORS</b>							
Wood/Wood	Aluminum/Wood	Aluminum/Wood	Fiberglass/Wood	Vinyl/Wood	Aluminum/Wood	Aluminum/Wood	Wood/Wood
	Wood/Wood					Wood/Wood	
<b>APPLICATIONS</b>							
New Construction	New Construction	New Construction	New Construction	New Construction			New Construction
Remodeling	Remodeling	Remodeling	Remodeling	Remodeling	Remodeling	Remodeling	Remodeling
	Replacement	Replacement	Replacement	Replacement	Replacement	Replacement	Replacement
Hist. Replacement	Hist. Replacement	Hist. Replacement				Hist. Replacement	Hist. Replacement

\*Only Double-Hung Tilt is offered in either aluminum or wood exterior.



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