



“It's wonderful where the door isn't just something that leads you between places, but is something unto itself.”

—Dan Kershaw, The Metropolitan Museum of Art



SUN MOUNTAIN DOORS

Door Selections



## Enter something extraordinary.

John and Thad Walton know the beauty and warmth of wood. They founded a small building materials company in the upper Midwest over 30 years ago. There they developed expertise in doors and wood finishing, and built a successful company founded on the quality of their work. Years later, when they conceived of a custom wood door company, they wanted it to be different than any other company—a company with the ability to create magnificent designs that meet the desires of the most discerning clients; a company with an extensive offering of hardwoods, including rare and exotic woods; and, a company offering myriad customization details and options, creating truly unique products for the country's most exclusive homes. Founded in 1998 in the foothills of the Rocky Mountains, Sun Mountain is that company.

With a process that merges Old World craftsmanship with modern woodworking technology, Sun Mountain produces custom wood doors of the absolute highest quality. Sun Mountain doors are available in the broadest selection of designs and materials available. And, the company continues its founders' legacy as master wood finishers, with a wide collection of luxurious stains and hand-applied glazes, or custom color matching to taste.

Enjoy the journey to find the wood door you have been seeking. The door that reflects your unique style, that conveys sophistication, a warmth and comfort—that makes your house a home. The door that isn't just part of the home, but is “something unto itself.”

Welcome to Sun Mountain—the premier maker of custom wood doors in the U.S.

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Front cover: SQ-0404-D007, African Mahogany, Longs Peak glaze.

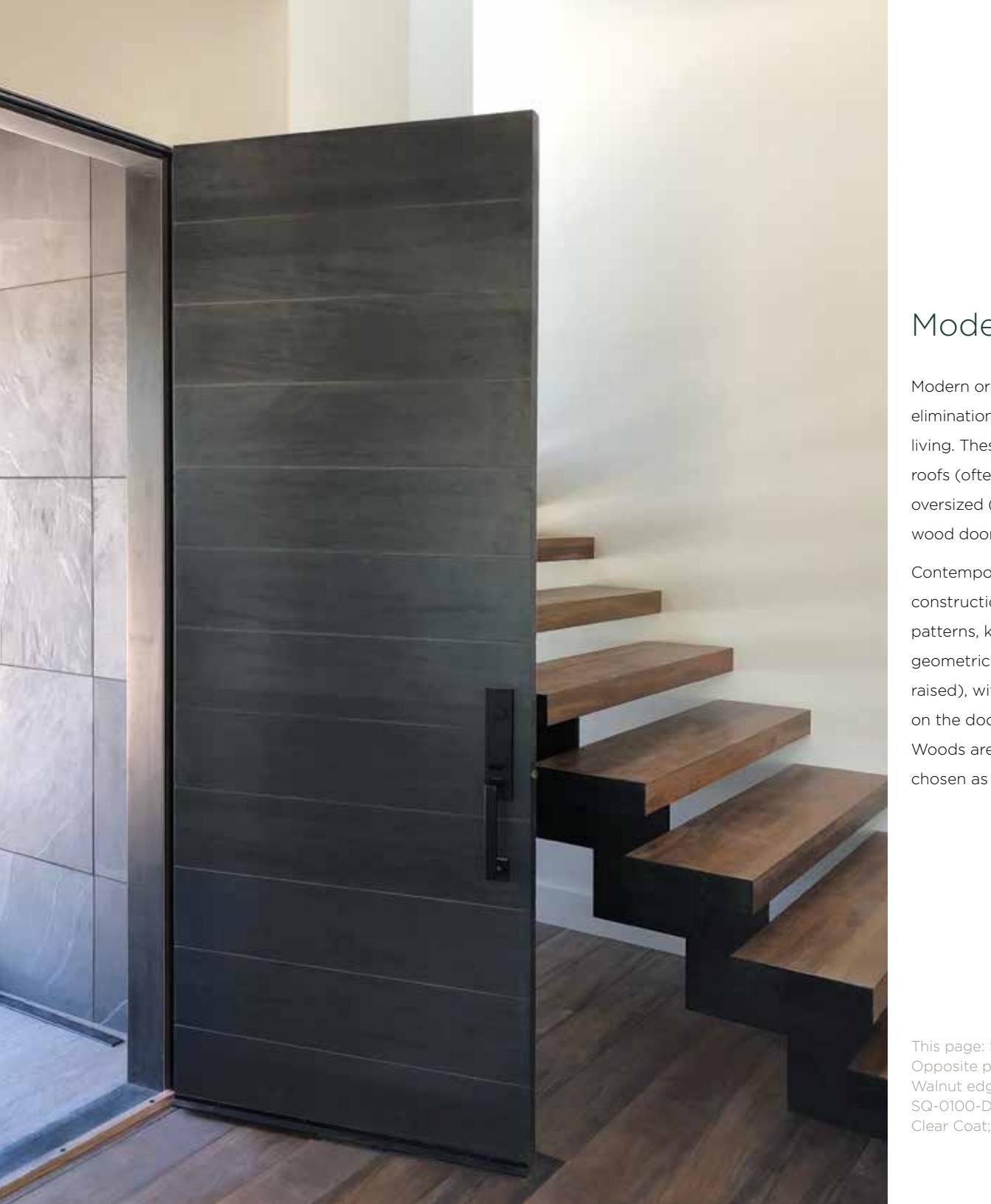
Opposite page: SQ-0005-D064, rift-sawn select White Oak, Winter Rye stain.

This page: FH-0106-D140, knotty Alder, Snake River glaze.

Back cover, from left: SQ-0003-F010, select Walnut, Oaknut stain; SQ-0021-D003-W (exterior) and SQ-0200-D001-C (interior), select Alder, Mocha stain.

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## Modern | **CONTEMPORARY**

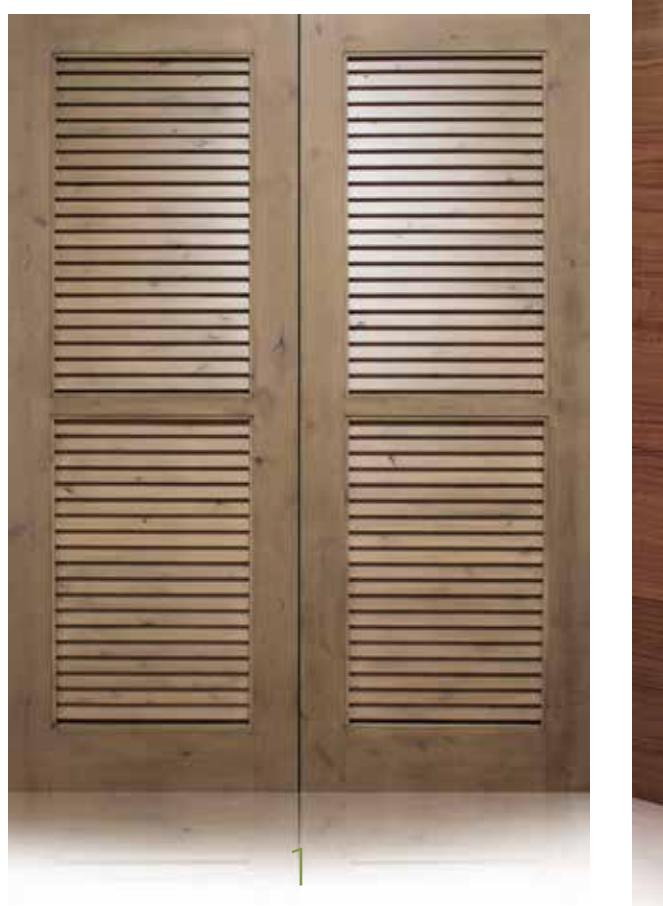
Modern or Contemporary home designs focus on simplification and elimination of undue ornamentation—facilitating functional, clutter-free living. These homes have open floor plans, odd or irregular shapes, flat roofs (often with multiple roof levels), minimal architectural touches, and oversized (often very tall) windows to welcome natural light. Contemporary wood doors normally have square tops and simple, clean lines.

Contemporary door designs include both stile and rail and flush door construction, with flush doors sometimes featuring horizontal grain patterns, kerfs, metal inlays, and decorative glass presented in simple geometric patterns. For stile and rail doors, panels are flat (typically not raised), with simple square sticking. Wood species are sometimes mixed on the door, with dark and lighter woods creating a natural contrast. Woods are typically clear of knots, but knotty woods are now frequently chosen as a counterpoint to modern style's austere character.

This page: SQ-0000-F120, Wormy Maple, Blackcurrant stain.  
Opposite page, clockwise from upper left: SQ-0000-F016, Hard Maple, select Walnut edge, Oaknut stain; SQ-0007-D069-W, select Walnut, Caramel stain; SQ-0100-D001, Poplar, Blackcurrant stain; SQ-0300-D045, knotty Walnut, Clear Coat; SQ-0003-D005-W, select Alder, Mocha stain.



**MODERN | CONTEMPORARY  
DESIGN POSSIBILITIES**



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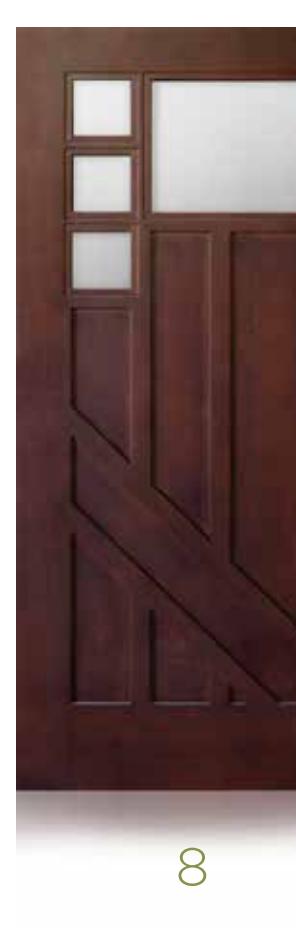
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- 1 SQ-020-D-200, knoty Alder, Glaic Point glaze.
- 2 SQ-003-F-044, Sapele, Clear Coat.
- 3 SQ-001-D-001, rift-sawn select White Oak, Gray Peak glaze.
- 4 SQ-020-D-057, rift-sawn select White Oak, Rio Grand glaze.
- 5 SQ-001-D-055, select Alder, Yampa River glaze.
- 6 SQ-007-D-066, select Walnut, Clear Coat.
- 7 SQ-030-D-001, Worn Maple, Poudre River glaze.
- 8 SQ-074-D-047, select Alder, Redcliff Mountain glaze.
- 9 SQ-000-F-084, rift-sawn select White Oak, Long Peak glaze.

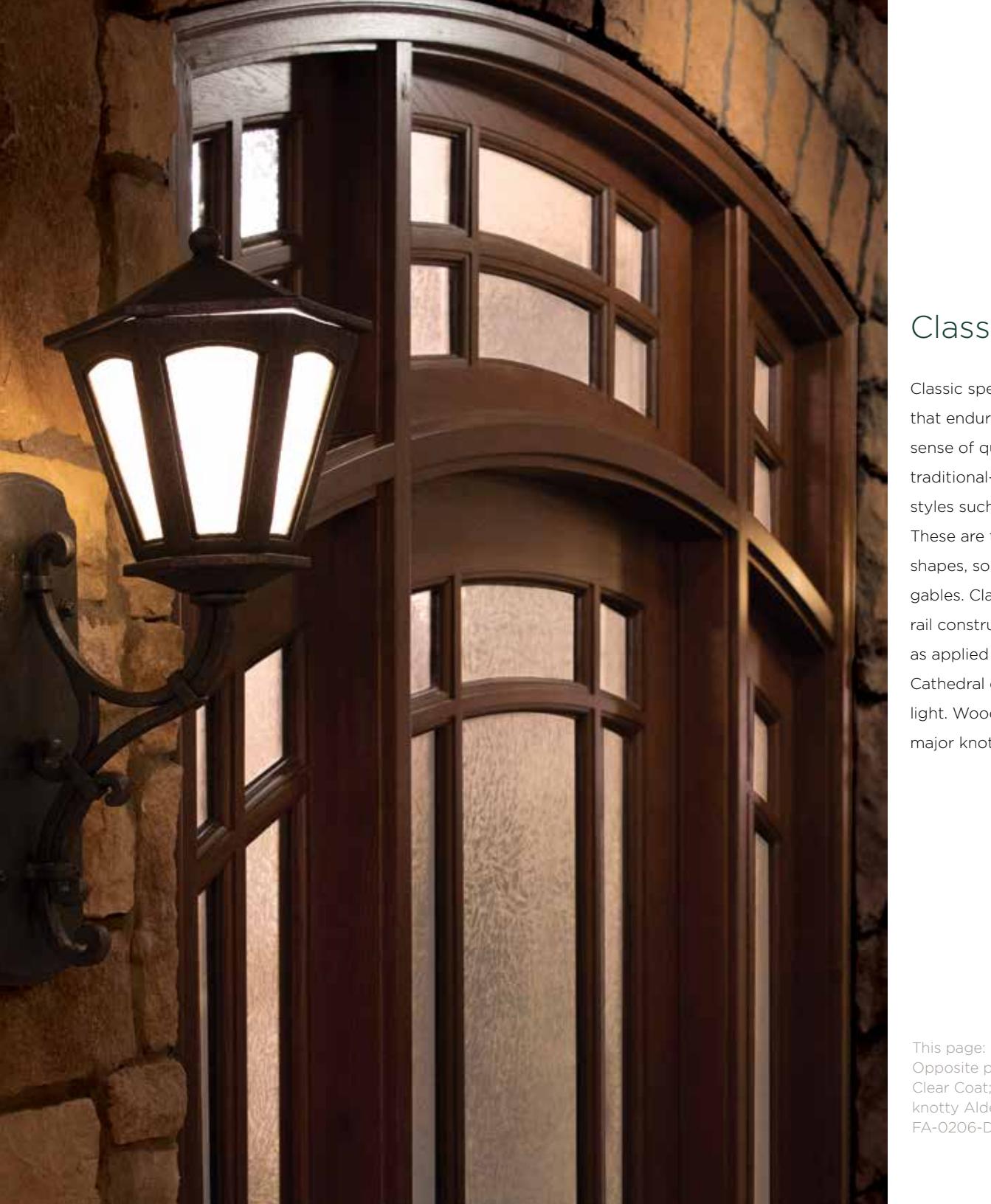


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See more designs at [SUNMOUNTAINDOOR.COM](http://SUNMOUNTAINDOOR.COM).

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## Classic | TRADITIONAL

Classic speaks to something that stands the test of time, something that endures. Immediately recognizable and comfortable, yet evoking a sense of quality and sophistication. Such are Sun Mountain's classic or traditional-styled doors. These doors naturally complement architectural styles such as Colonial, French Provincial, Old World, Tudor, or Victorian. These are typically multi-level homes with rectangular and symmetrical shapes, some with steep roofs with multiple intersecting roof lines and gables. Classic door designs almost always feature traditional stile and rail construction, often with raised panels and decorative elements such as applied mouldings. Door tops can be square or arched, including Cathedral or Gothic arches. Glass is often used to provide both beauty and light. Woods for these doors are often "select" or clear, meaning free from major knots.

This page: FA-0109-D095, knotty White Oak, Animas River glaze.  
Opposite page, clockwise from upper left: SQ-0200-D012, select White Oak, Clear Coat; FH-0106-D138-P, select Alder, Animas River glaze; HF-0108-D002-P, knotty Alder, Fall River glaze; TF-0300-D045, knotty Walnut, Rio Grande glaze; FA-0206-D010, select Cherry, Honey stain.



**CLASSIC | TRADITIONAL  
DESIGN POSSIBILITIES**



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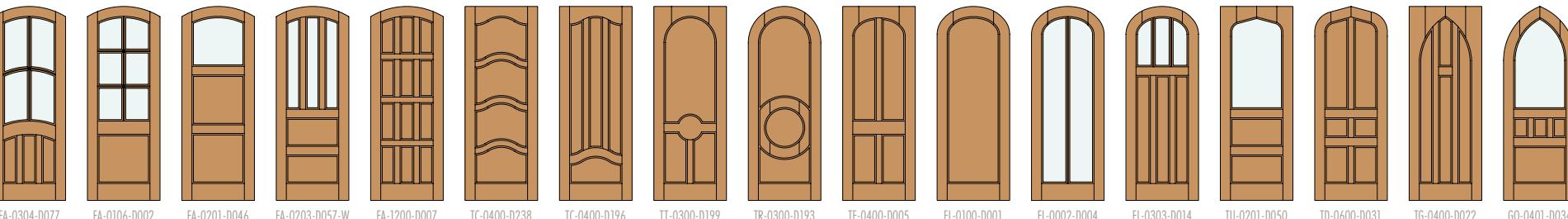
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## Rustic | ARTISAN

Incorporating many elements found in nature, Rustic homes embody the simplicity and beauty of the great outdoors, and the handmade workmanship of artisans. Exteriors often feature timber or stone siding, blending with the outside environment. Interiors accent wood-beamed ceilings, grand stone fireplaces, wide plank hardwood flooring, and doors and mouldings made with knotty or "character" woods. These Rustic elements provide an atmosphere of easy relaxation.

Sun Mountain offers a wide variety of Rustic door designs, typically with stile and rail construction. Door tops are often square, but flat arch tops and top rail arches are also popular. The Rustic motif includes the Mediterranean and Southwestern styles, with Tuscan designs featuring full arch tops. Raised panels are sometimes v-grooved, creating the illusion of panels with individual wood "planks." Glass is often featured, with simple clear panes, or decorative glass with a "hand blown" look. Popular woods include the knotty grades of such species as Alder, Cherry (also called "character" Cherry), Hickory, Oak, and Walnut. These woods are often "distressed" to create an antique, worn look. In addition, Sun Mountain offers "reclaimed" lumber, including Oak from old barns and granaries.

This page: SQ-0200-D008-P, knotty Alder, Slate River glaze.

Opposite page, clockwise from upper left: SQ-0100-D001-HX, Reclaimed Barnwood (weathered face), Clear Coat; SQ-0014-D011, select Cherry, Clear Coat; SQ-0000-F001-P (with metal inlays), knotty Alder, Glacier Point glaze; TR-0200-D008-P, knotty Alder, Fall River glaze.



**RUSTIC | ARTISAN  
DESIGN POSSIBILITIES**



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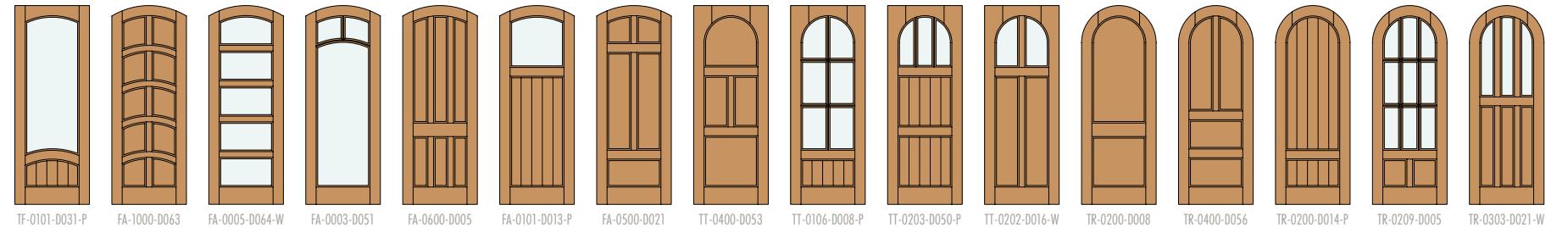
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## Wood Species

Sun Mountain doors are available in 17 wood species (plus reclaimed barnwood) including both domestic and exotic hardwoods and softwoods. Many species can be further designated by "grade": "knotty"

(sometimes called "character") or "select" (clear, with little or no knots). In addition to the traditional "flat" cut, unique effects can be achieved on some species by special cuts of the logs, such as "rift" and "quarter" cuts.



**ALDER**  
Color varies from reddish-brown to light tan to honey. Knotty Alder has a rustic, rugged look.



**ASH**, Northern White  
Valued for its strength, hardness, heavy weight, and elasticity, its use in baseball bats is famous.



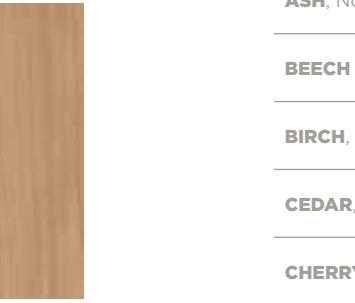
**BEECH**  
With exceptional color uniformity and texture, the lumber is steamed to a consistent tan color.



**BIRCH**, Yellow  
Among the most featureless of North American hardwoods, although it has a pleasing figure with wavy grain.



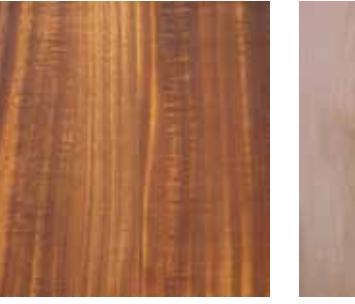
**CEDAR**, Spanish (Pin-knot)  
A softwood with a grain pattern similar to Mahogany. Color varies from reddish-brown to light pink.



**CHERRY**  
A hardwood with rich color and flowing grain pattern. The fine, satiny texture is uniform and wavy.



**HICKORY**  
A dense hardwood with high shock resistance. Heartwood is tan or red, with sapwood creamy white.



**MAHOGANY**, African  
A hardwood with a straight or interlocked grain, silky ribbon figure, and moderately coarse texture.



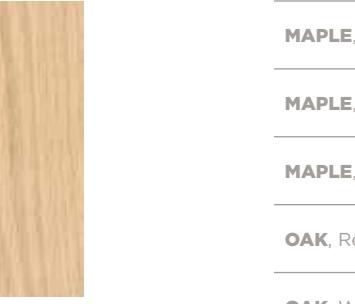
**MAPLE**, Hard  
A very strong hardwood with a closed, subdued grain and a uniform texture.



**MAPLE**, Soft  
A hardwood with a straight, close grain pattern and a fine, even texture.



**MAPLE**, Wormy  
Selected to show mineral streaks and color variations caused by the ambrosia worm.



**OAK**, Red  
A hardwood chosen mainly for its prominent open grain pattern. Some color variation from reddish-tan to medium brown.



**OAK**, White  
A dense hardwood with a white to cream to light brown color, and longer grains than Red Oak.



**PINE**  
A softwood with a relatively straight grain pattern, light in weight and low in shock resistance.



**POPLAR**  
A hardwood with relatively straight grain and even texture, an excellent choice for a painted finish.

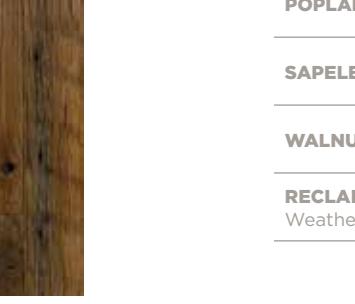


**SAPELE**

Native to tropical Africa, reminiscent of Mahogany with a distinctive grain figure.

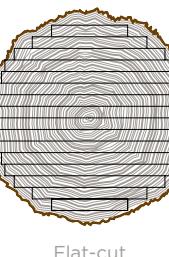


**WALNUT**  
A hardwood with beautiful, distinct differences in color between the sapwood and heartwood.

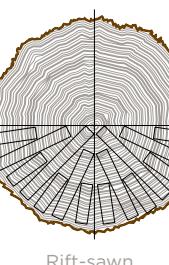


**RECLAIMED BARNWOOD**, Weathered Face  
Sourced from old buildings, barns and granaries, a mix of Red and White Oak.

	HARDNESS <sup>1</sup>	CUTS	GRADES, PRICE
<b>ALDER</b>	590	F	K, \$ S, \$\$
<b>ASH</b> , Northern White	1320	F	S, \$\$
<b>BEECH</b>	1300	F	S, \$\$\$
<b>BIRCH</b> , Yellow	1260	F	S, \$\$\$
<b>CEDAR</b> , Spanish (Pin-knot)	600	F	K, \$\$\$\$
<b>CHERRY</b>	950	F	K, \$\$ S, \$\$\$\$
<b>HICKORY</b>	1970	F	K, \$\$ S, \$\$\$
<b>MAHOGANY</b> , African	840	Q	S, \$\$\$\$
<b>MAPLE</b> , Hard	1440	F	S, \$\$\$
<b>MAPLE</b> , Soft	940	F	S, \$\$
<b>MAPLE</b> , Wormy	940	F	S, \$
<b>OAK</b> , Red	1290	F, R & Q	S, \$-\$-\$
<b>OAK</b> , White	1360	F, R or Q	S, \$\$\$\$\$
<b>PINE</b>	380	F	K, \$ S, \$\$
<b>POPLAR</b>	430	F	S, \$
<b>SAPELE</b>	1500	Q	S, \$\$\$\$
<b>WALNUT</b>	1010	F	K, \$\$ S, \$\$\$
<b>RECLAIMED BARNWOOD</b> , Weathered Face	1290	RC	K, \$\$\$\$\$



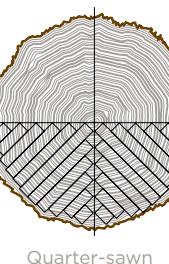
Flat-cut



Rift-sawn



Rift-sawn White Oak



Quarter-sawn



Quarter-sawn White Oak

## Pre-finishing

Wood finishing (called "pre-finishing") is a hallmark of Sun Mountain. The company's wood finishing experience began over 30 years ago and its finishes are renowned in the door industry. Sun Mountain's wood finishes are "fine furniture" quality, providing much higher quality and lower cost than on-site painting. And, factory pre-finished products are ready to install, reducing time and scheduling in the construction process. The company's pre-finishing process and strengths include:

- A minimum of 30 minutes per door hand-sanding—ensuring grain closure and perfect preparation prior to finishing
- Top quality catalyzed conversion and UV (Ultra-Violet) varnish systems (similar to high-end pre-finished cabinets and fine furniture)
- Proprietary stain formulas created specifically for Sun Mountain's environment and applied using HVLP (High Volume Low Pressure) and air-assisted spray guns—ensuring even tones with no blotches.
- A "clean room," dust-free environment not achievable on the jobsite, preventing small dust and dirt particles from settling on the product before drying
- Six-sided coating, providing moisture seal on all sides, preventing product warping; Sun Mountain's warranty for interior doors increases from one year to five years on pre-finished options
- Expert artisans creating a broad selection of unique, high-end finishes including hand-applied glazing, highlighting, shadowing, and distressing
- A broad collection of standard stain and glaze colors, or custom color matching—perfectly matching your unique design and style

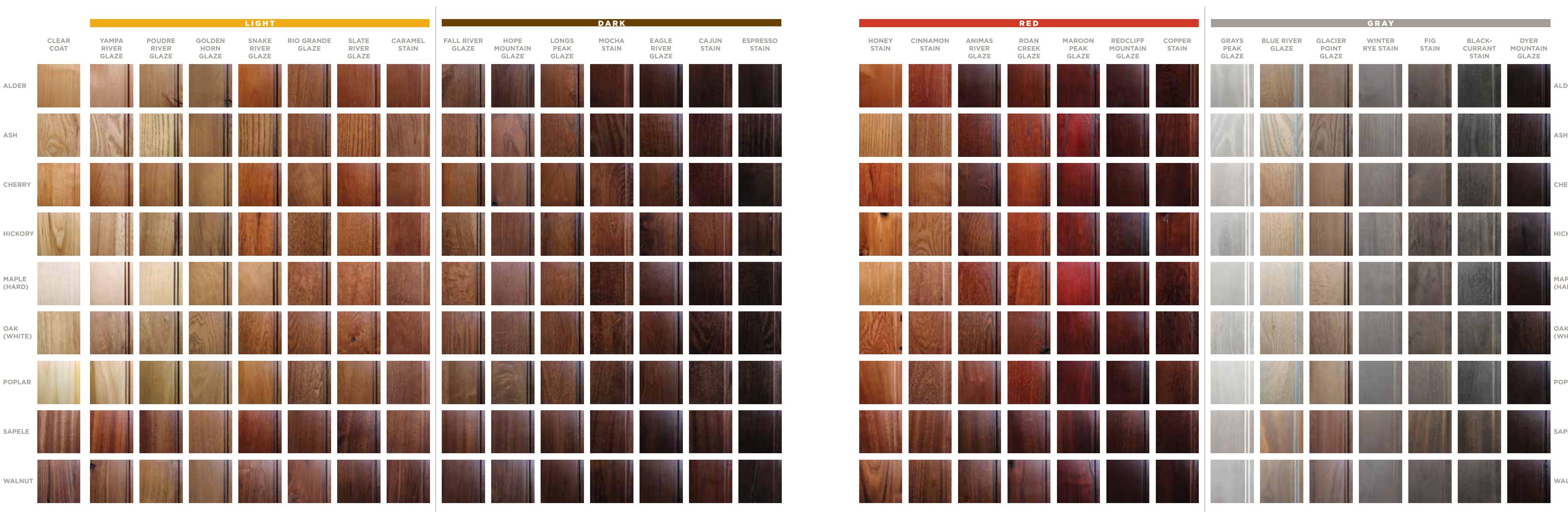
Sun Mountain's standard stain and glaze options (as well as clear coat), on nine of the most popular wood species, are shown on the following pages.

<sup>1</sup>The Janka Hardness Test measures the resistance of wood to denting and wear.

F = Flat-cut  
Q = Quarter-sawn  
RC = Reclaimed  
K = Knotty Grade  
S = Select Grade

## STANDARD STAINS + GLAZES

Sun Mountain's standard stains and glazes shown on nine of the most popular wood species. Additional species and custom color matching available.



Colors shown may not exactly match actual wood finishes. Physical samples are available.

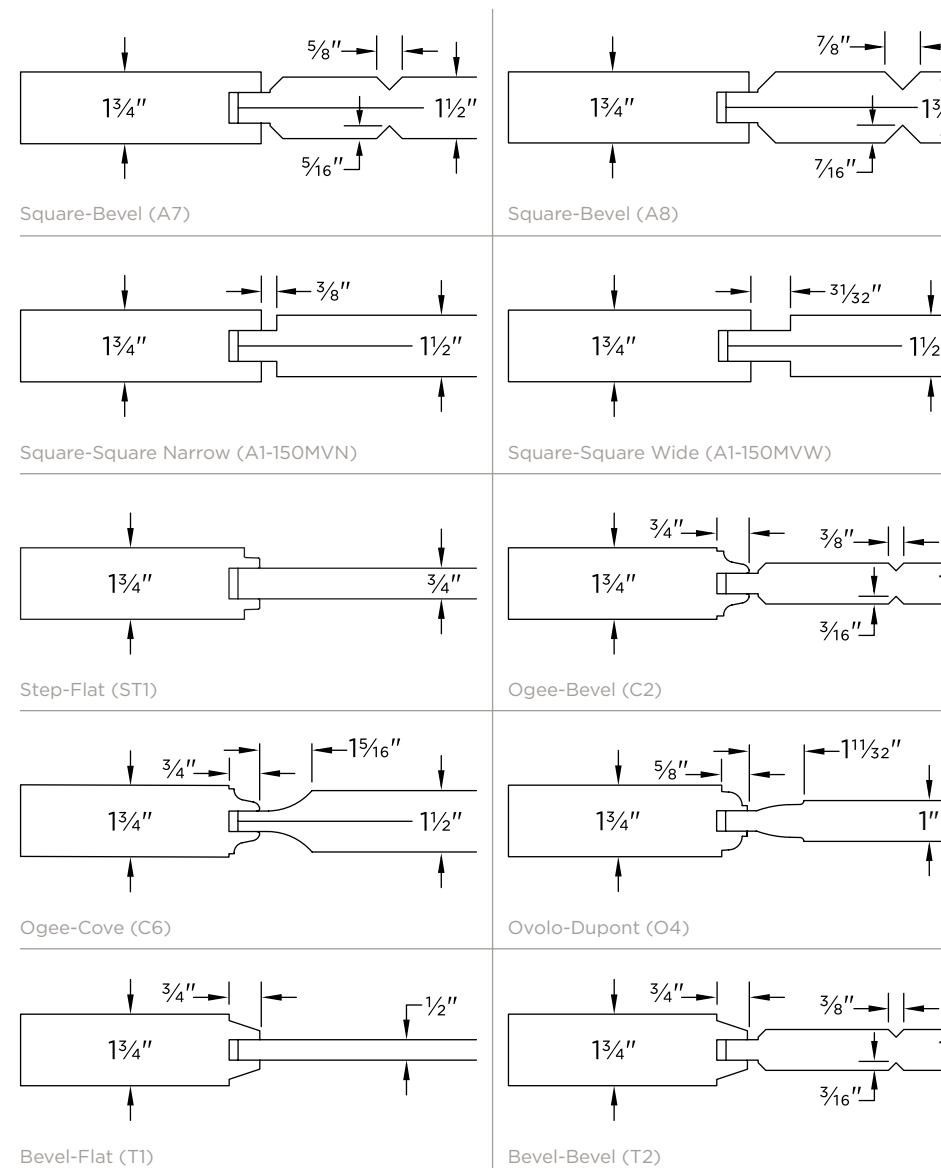
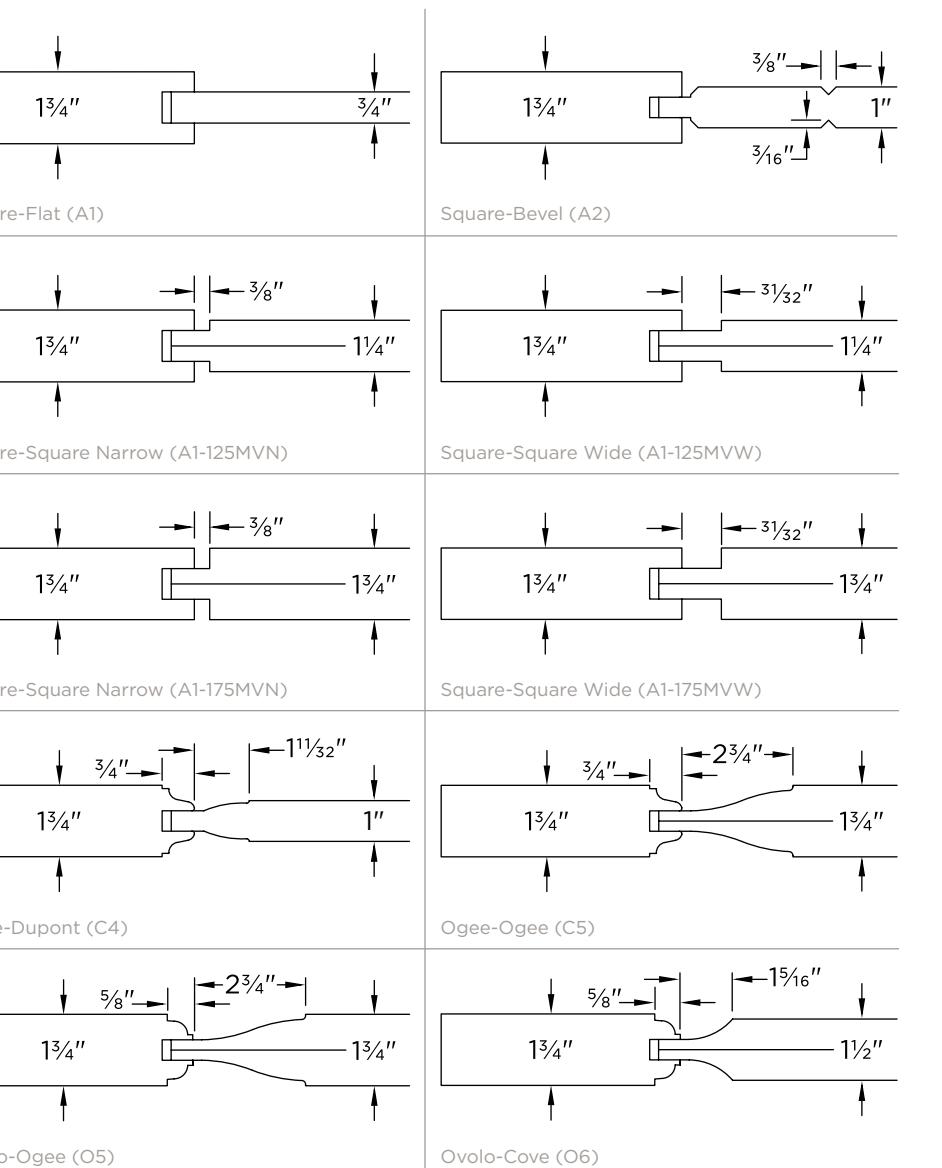
## Details

### STICKING + PANEL PROFILES

Panels are the large, wide, and flat components of a stile and rail door. A panel profile is a decorative cut into the edge of the wood panel, creating the “raised panel” effect and adding depth and beauty to the design. Sticking is the decorative profile on the edge of the stiles and rails (the vertical and horizontal frames of the door, respectively) where they meet the panel. Sun Mountain makes over 90 combinations of sticking and panel profiles. The most popular of these profiles are shown here.

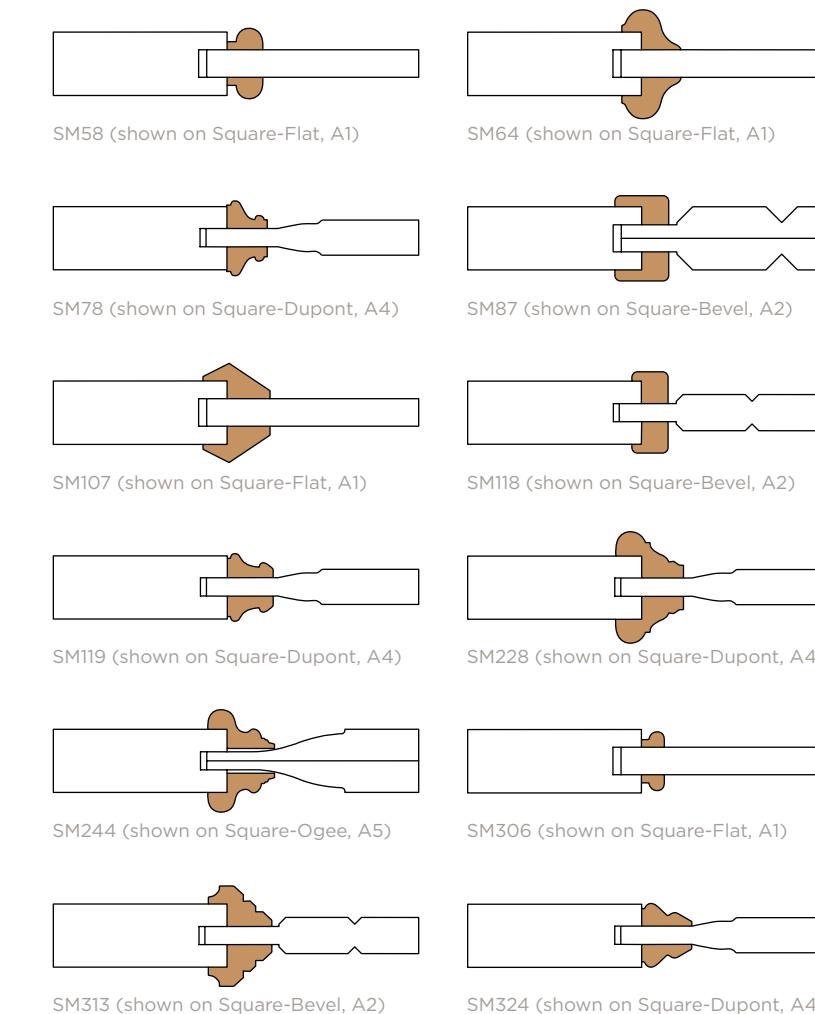


From top: Ogee-Ogee (C5) sticking and panel profiles; Square-Ogee (A5) sticking and panel profiles, with SM4 applied moulding.



### APPLIED MOULDINGS

Applied mouldings are an optional decorative trim attached where the panels meet the stiles and rails of the door, or placed on the panel surface to create a decorative pattern. Sun Mountain manufactures over 30 applied moulding profiles. The most popular of these mouldings are shown here.



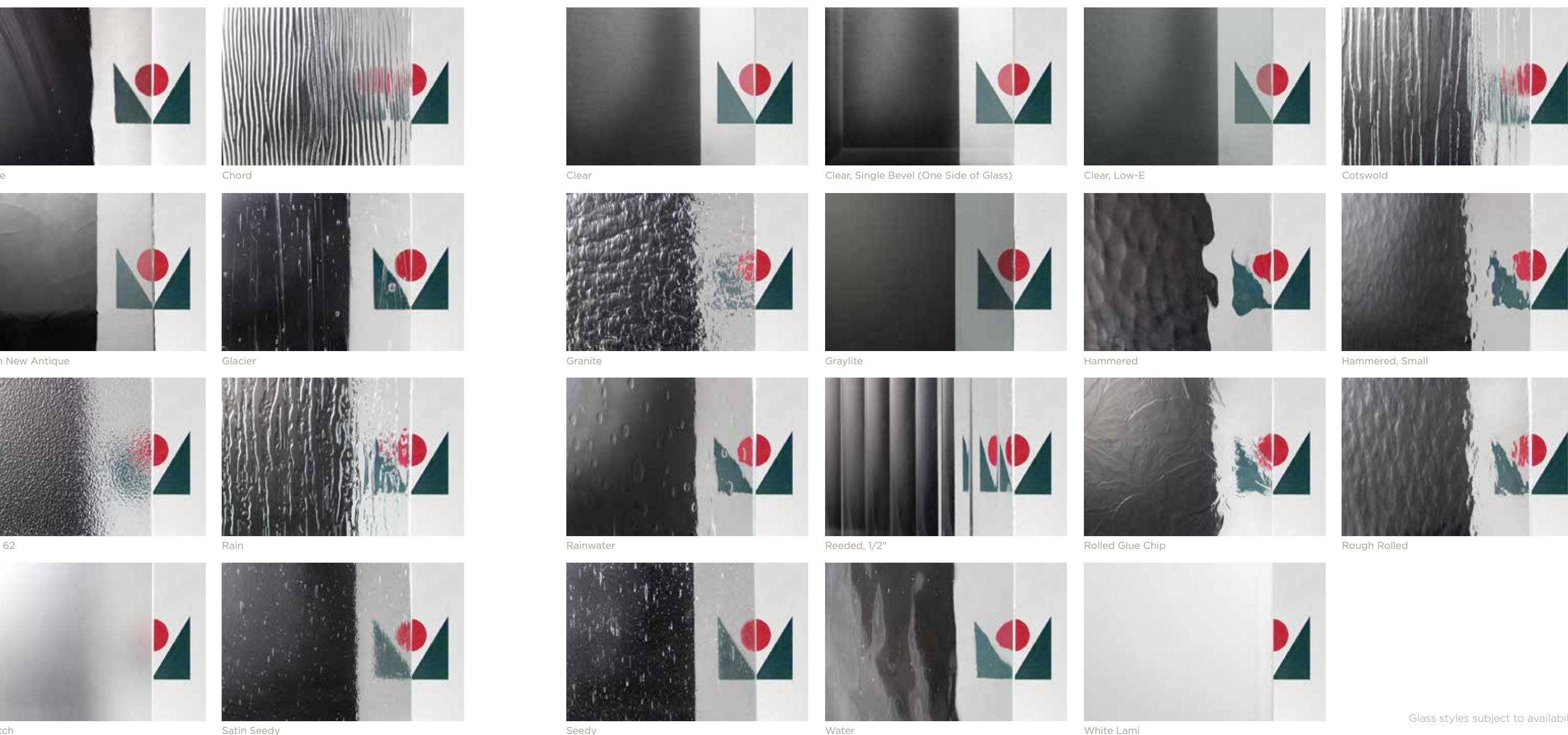
## GLASS

Doors with glass are commonly referred to as "lited" doors, and individual panes of glass are called "lites." Sun Mountain offers over 25 styles of glass for doors. All door glass is tempered for both safety and building code compliance.

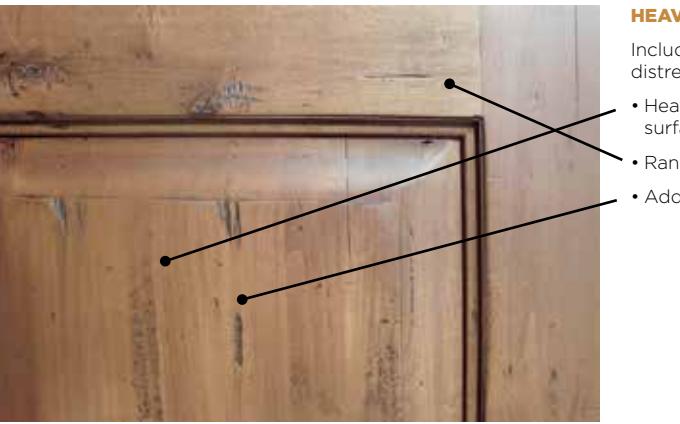
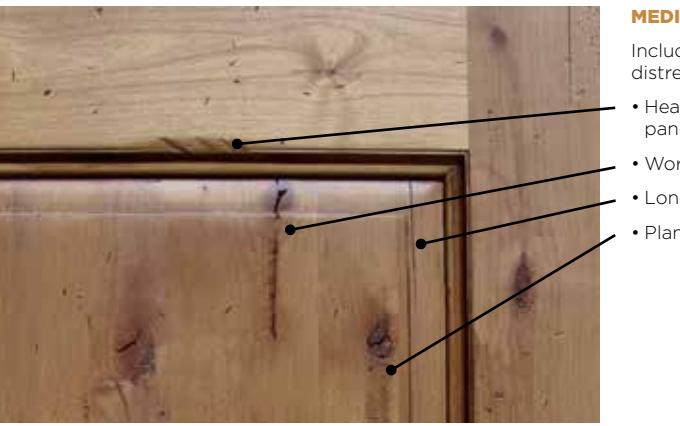
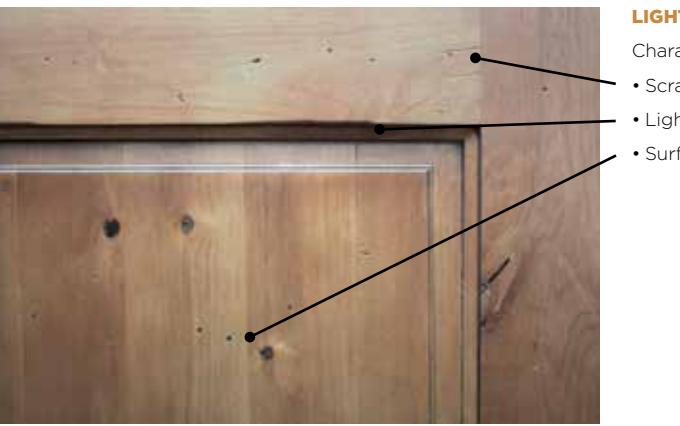
Interior doors are normally made with  $\frac{1}{4}$ " thick single pane glass (called "single glaze" or SG glass). Exterior doors generally use  $\frac{1}{2}$ " or  $\frac{5}{8}$ " thick "insulated glass" (called IG), with two or three panes hermetically sealed and separated by dry airspace. Thermal performance can be further improved with "Low-E" (or low emissivity) glass. Sun Mountain's most popular glass styles are shown here.



SQ-0021-D003-W, select Alder, Mocha stain.



Glass styles subject to availability.



## DISTRESSED WOOD

Sun Mountain can "distress" new wood to give it a worn, antique look and feel. Skilled artisans do this by hand, using a variety of Old World tools.

Distressing is particularly dramatic on rustic (knotty) wood species, and pre-finished glaze options beautifully highlight the warmth and character of the antiqued wood.

Wire brushing is a distressing technique that creates a unique weathered effect. A wire brush machine is used to remove soft summerwood fibers of the wood, accentuating harder grains and resulting in a gently worn texture. This technique works best on softwoods such as Pine or Cedar, and some hardwoods such as Oak.

Sun Mountain's standard distress options are shown here.

### LIGHT DISTRESS

Characterized by:

- Scratches
- Lightly broken edges
- Surface dents and dings

### MEDIUM DISTRESS

Includes features of light distress, with:

- Heavily broken edges on panels and sticking
- Worm holes
- Long cracks
- Planer chatter around knots

### MEDIUM DISTRESS WITH BROKEN EDGES ON V-GROOVES (PLANK DOORS ONLY)

Includes features of medium distress, with:

- Tear-out and broken edges on V-grooves



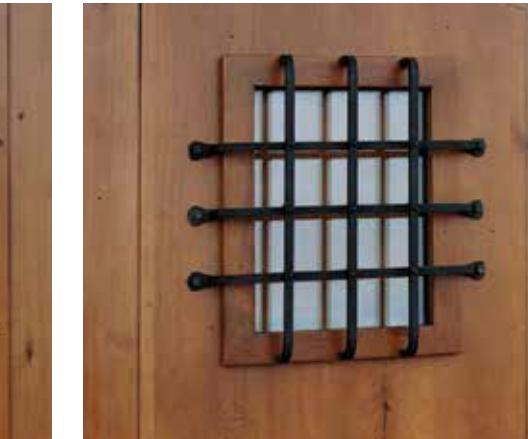
### WIRE BRUSHED DISTRESS

Characterized by an overall worn texture

## SPEAKEASIES + WROUGHT IRON GRILLES

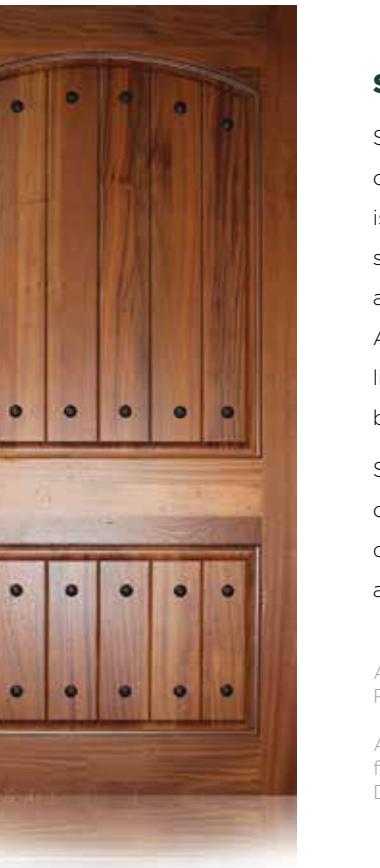
A speakeasy is small window cut into an entry door at eye level, used for secure greeting of visitors (with the term originating from Prohibition-era America of the 1920s). Sun Mountain's speakeasies typically include tempered and insulated clear glass, and an optional wooden door with latch.

Wrought iron grilles can be attached on the door providing security for glass. Sun Mountain offers grilles in several distinctive styles to match the door or architectural design. Doors with a speakeasy typically include a small grille, while larger grilles are used over glass panes on the door or sidelites.



## CLAVOS

Clavos are decorative nails used to simulate fasteners for traditional mortise and tenon joinery. They accent doors and trimwork to create or enhance an antique or Old World look and feel. Sun Mountain offers spin-cast zinc alloy clavos in a variety of shapes, sizes, and patinas, with a roofing nail for secure and easy placement.



## SIDELITES + TRANSOMS

Sidelites are tall, narrow windows on one or both sides of the door. A transom is a window above the door. Both add substance to an entry, making the doorway appear wider, taller, and more prominent. And sidelites and transoms invite natural light into the front entry, making a foyer brighter and more airy.

Sidelites and transoms can have square or arched tops, can integrate with the door's design, and coordinate with any architectural style.

At left: SQ-0200-D008-P, Sapele, Yampa River glaze.



## Function

### HINGES

#### PIN AND BARREL



Sun Mountain offers square-corner, ball bearing pin and barrel hinges, available in a choice of nine finishes, standard with factory pre-hanging.

#### HIDDEN

Sun Mountain offers "hidden hinges" from leading manufacturers. These hinges mount in mortise pockets on the door edge and frame, and are completely hidden from view from the face of the door. This allows for a clean, modern look—with no pin and barrel hinges visible on the door face.

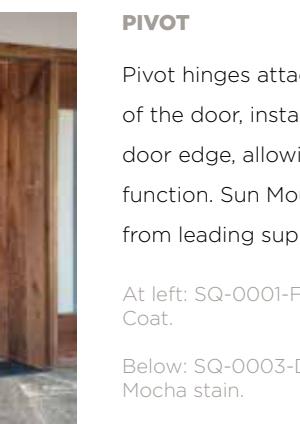
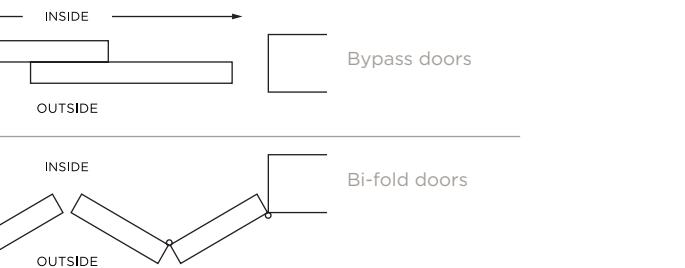
### SLIDING BARN DOORS

Sun Mountain offers both rustic and contemporary sliding barn door hardware. Rustic designs include a classic flat-track hardware system, with spoke wheels mounted to the door with wide strap hangers. Contemporary designs include sleek stainless steel hardware, with large roller wheels running on a rounded stainless steel bar or flat-track.



### BYPASS + BI-FOLD DOORS

Bypass doors are double doors that open and close by sliding side-by-side on a metal track. Bi-fold doors are door pairs hinged in the middle, that slide on a track and open and close in an "accordion" fashion. Bypass and bi-fold doors are most often used for interior closet or pantry door applications. Sun Mountain includes track hardware with the price of these doors.



### PIVOT

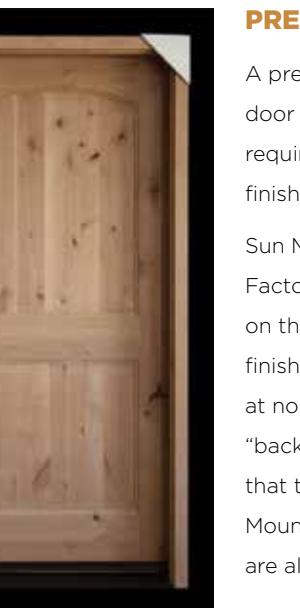
Pivot hinges attach at the top and bottom of the door, installed several inches from the door edge, allowing for a unique swinging function. Sun Mountain offers pivot hinges from leading suppliers.

At left: SQ-0001-F003, knotty Walnut, Clear Coat.

Below: SQ-0003-D005-W, select Alder, Mocha stain.



Pre-hung interior door.



Pre-hung exterior door.

### PRE-HANGING

A pre-hung door consists of a door hung on hinges and assembled in a wood frame (the frame is also called the door "jamb"), with a door stop. A pre-hung door is ready to install in the door opening, with no on-site assembly required. This reduces construction time and scheduling, and lowers project cost. If the pre-hung door is pre-finished, this further reduces steps and cost in the construction process.

Sun Mountain not only manufactures the highest quality doors, but also offers optional pre-hanging of the doors. Factory pre-hanging ensures that hinge pockets are mortised square and precise, and that hinges are always flush on the door and frame. Hinges are included in the price of pre-hanging, and are available in a selection of metal finishes. Machining for hardware (boring and latch/deadbolt mortising for handles and locksets) is also provided at no additional cost with factory pre-hanging. A choice of single or double bore options is available in different "backset" positions (the placement of the handle or lockset from the door edge). Factory pre-hanging also ensures that the "reveal" (the small gap between the door and the jamb, when the door is closed) is always correct. Sun Mountain's standard pre-hanging options are shown here. Custom door jambs, including unique designs and sizes, are also available.

### EXTERIOR DOORS

Pre-hanging of exterior doors is much more expensive than pre-hanging interior doors. First, exterior doors are framed with a more robust rabbeted jamb. A rabbeted jamb includes a non-adjustable stop cut into solid wood, and Q-Lor® weatherstrip that is inserted into a kerf (or slot) cut into the stop of the jamb. Weatherstrip is a durable foam rubber material used to seal the side and top edges of an exterior door to limit air transfer and exposure to outside elements.

Sun Mountain also offers solid wood "kerfed" flat jambs. A kerf is a slot cut on the edge of the jamb, used for wrapping the drywall corner bead (square or rounded drywall corners) into the jamb. Kerfed flat jambs provide for a "caseless" opening, with drywall connecting directly to the door frame, thus requiring no case mouldings. Kerfs can be on both sides (as shown) or on just one side of the jamb.



Flat jamb with adjustable stop (mitered stop shown).



Kerfed (both sides) flat jamb with adjustable stop (full length stop shown).



Rabbeted jamb with weatherstrip.



Kerfed (one side) rabbeted jamb.



SUN MOUNTAIN DOORS

140 COMMERCE DRIVE | BERTHOUD, CO 80513

888.786.6861

[info@sunmountaindoor.com](mailto:info@sunmountaindoor.com)

[SUNMOUNTAINDOOR.COM](http://SUNMOUNTAINDOOR.COM)

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