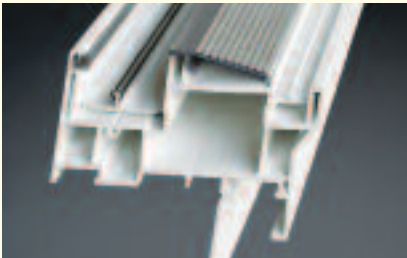


## THE DOOR WITH MORE DESIGN FLEXIBILITY.

CertainTeed's new sliding patio doors offer exceptional design flexibility, with a choice of Standard or French rail styles, plus a selection of sidelites and transoms that allows builders to create larger and more beautiful combinations than ever before.



**Dependable security.** 2-panel and 3-panel doors have a standard two-point lock; four-point lock is optional. 4-panel door has a four-point lock and a shoot bolt in the header. Exterior key lock (shown above) is optional on all doors.



**High durability.** Anodized aluminum threshold is thermally broken to create a barrier that resists frost build-up. Easy-to-clean track designed to guard against air and water infiltration.



**Easy operation.** Two sets of adjustable, stainless steel, wide-diameter rollers with encased bearings provide a smooth glide.

# Patio Doors Standard & French





**Wider views.** Patio doors like this 3-panel French rail style sliding door can bring a spacious sense of the outdoors inside. CertainTeed patio doors are available in a range of designs, including 2-panel, 3-panel, and a dramatic 4-panel center-opening design with up to 96 square feet of glass.

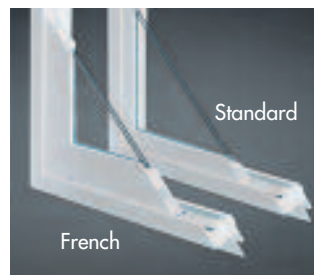
## PATIO DOOR FEATURES AND OPTIONS



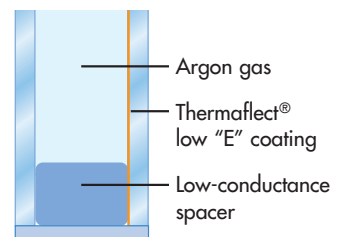
**Color choices.** Choose white or tan vinyl with color-matched hardware. Non-tarnishing, gold-coated interior handle is optional.



**Grids between the glass.** Color-coordinated, sculptured or flat grids are installed between the glass during manufacturing for easy cleaning.



**Rail styles.** Standard rail style (behind, right) with narrow stiles and slim frame, for maximum viewing area. French rail style (front, left) with wide stiles, for a look that reflects traditional craftsmanship.



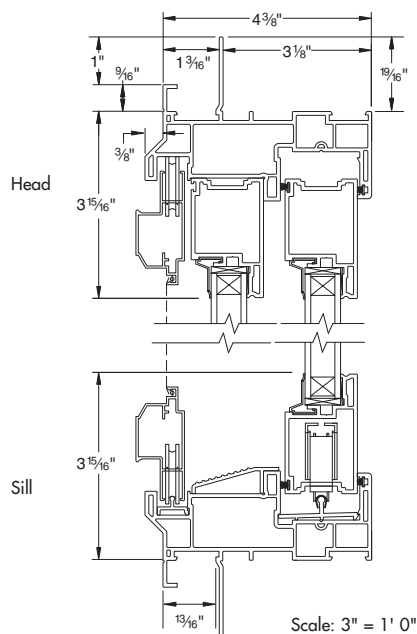
### ENERGY STAR® efficiency.

With the option of CertainTeed's proprietary ThermoFlect® glazing system with low-conductance spacer and insulating argon gas, New Castle XT windows meet ENERGY STAR guidelines in all four U.S. climate zones.

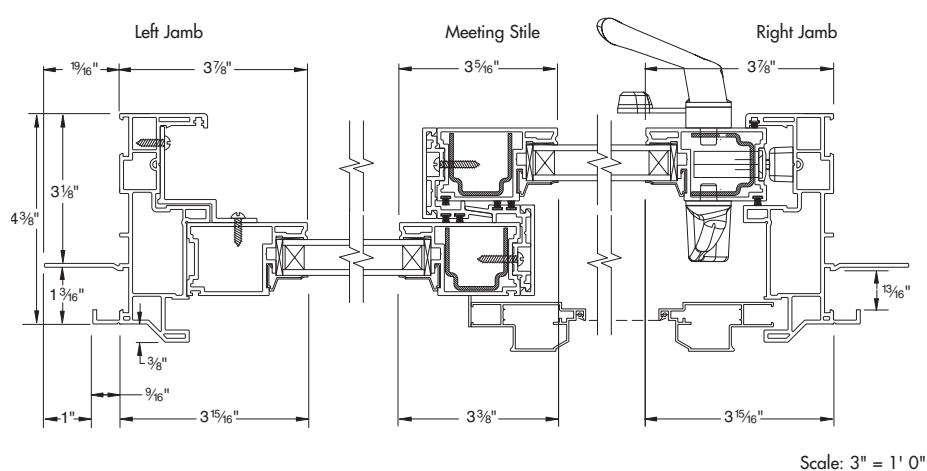


## STANDARD PATIO DOOR DETAIL DRAWINGS

### Standard Patio Door – Vertical Detail

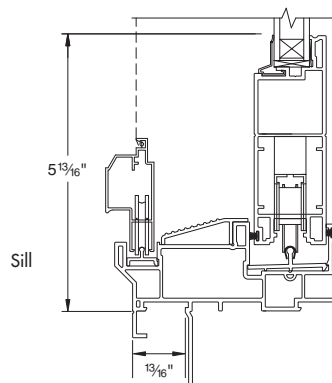
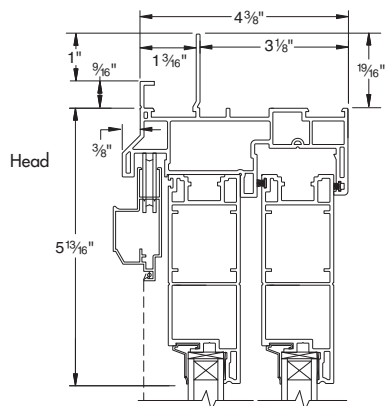


### Standard Patio Door – Horizontal Detail

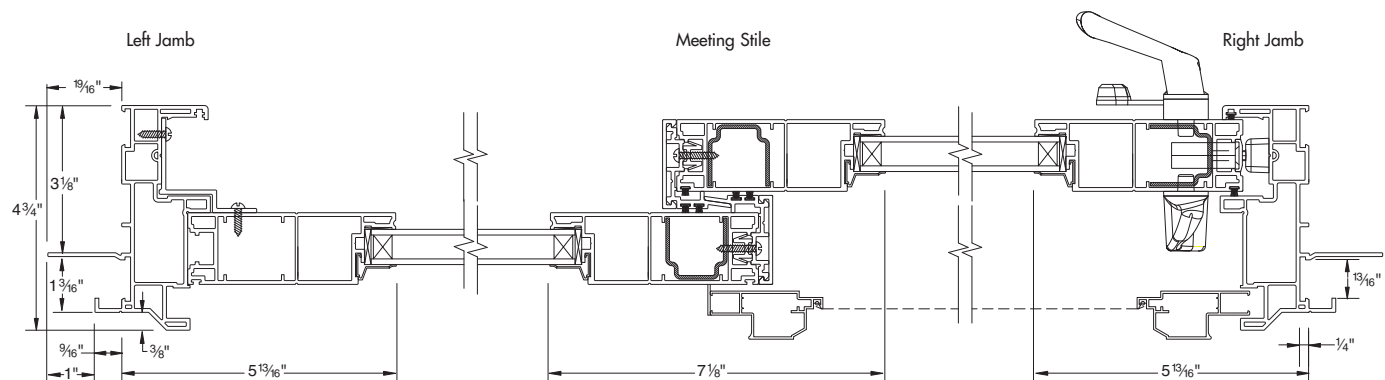


## FRENCH PATIO DOOR DETAIL DRAWINGS

### French Patio Door – Vertical Detail



### French Patio Door – Horizontal Detail



Scale: 3" = 1' 0"

# STANDARD PATIO DOOR SIZES

## Standard Patio Door – 2-Panel (XO/OX)

ROUGH OPENING	60"	72"	96"
UNIT SIZE	59 1/2"	71 1/2"	95 1/2"
80"			
	XTPD6080†	XTPD7280†	XTPD9680
82"			
	XTPD6082	XTPD7282	XTPD9682
96"			
	XTPD6096	XTPD7296	

Callout sizes are expressed in inches and equal rough opening.

New Castle XT patio doors have an interior frame depth of 3/8" and an exterior projection of 1 5/8" from the nail fin.

Field reversible handing available.

When mulling a transom or sidelite to a patio door, overall rough opening is not affected by the mullion.

Two-point lock with adjustable strikes on 2-panel doors.

Optional four-point lock.

† For R50, specify when ordering.

## Standard Patio Door – 3-Panel (X00/O0X)

ROUGH OPENING	89 3/8"	107 3/8"	143 3/8"
UNIT SIZE	89 1/8"	107 1/8"	143 1/8"
80"			
	XTTRPD9080	XTTRPD10880	XTTRPD14480
82"			
	XTTRPD9082	XTTRPD10882	XTTRPD14482
96"			
	XTTRPD9096	XTTRPD10896	

Callout sizes are expressed in inches and equal rough opening.

New Castle XT patio doors have an interior frame depth of 3/8" and an exterior projection of 1 5/8" from the nail fin.

Field reversible handing available.

When mulling a transom or sidelite to a patio door, overall rough opening is not affected by the mullion.

Two-point lock with adjustable strikes on 3-panel doors.

Optional four-point lock.

OXXO not available.

## Standard Patio Door – 4-Panel (OXXO)

ROUGH OPENING	117 3/4"	141 3/4"
UNIT SIZE	117 1/4"	141 1/4"
80"		
	XTQPD12080	XTQPD14480
82"		
	XTQPD12082	XTQPD14482

Callout sizes are expressed in inches and equal rough opening.

New Castle XT patio doors have an interior frame depth of 3/8" and an exterior projection of 1 5/8" from the nail fin.

Field reversible handing available.

When mulling a transom or sidelite to a patio door, overall rough opening is not affected by the mullion.

Four-point lock on 4-panel doors.

## Standard Patio Door Sidelite – Direct-Set

ROUGH OPENING	28 3/8"	34 3/8"
UNIT SIZE	27 7/8"	33 7/8"
80"		
	XTSDDS2980	XTSDDS3580
82"		
	XTSDDS2982	XTSDDS3582
96"		
	XTSDDS2996	XTSDDS3596

Callout sizes are expressed in inches and equal rough opening.

New Castle XT patio door sidelites-direct-set have an interior frame depth of 3/8" and an exterior projection of 1 5/8" from the nail fin.

When mulling a sidelite to a patio door, overall rough opening is not affected by the mullion.

## Standard Patio Door Sidelite – Sash-Set

ROUGH OPENING	31 1/2"	32 1/2"	38 1/2"
UNIT SIZE	31"	32"	38"
80"			
	XTSDSS3180	XTSDSS3280	XTSDSS3880
82"			
	XTSDSS3182	XTSDSS3282	XTSDSS3882
96"			
	XTSDSS3196	XTSDSS3296	XTSDSS3896

Callout sizes are expressed in inches and equal rough opening.

New Castle XT patio door sidelites-sash-set have an interior frame depth of 3/8" and an exterior projection of 1 5/8" from the nail fin.

When mulling a sidelite to a patio door, overall rough opening is not affected by the mullion.

STANDARD PATIO DOOR SIZES

Standard Patio Door Transom – Direct-Set

ROUGH OPENING	60"	72"	96"
UNIT SIZE	59 1/2"	71 1/2"	95 1/2"
12"	XTPDTD6012	XTPDTD7212	XTPDTD9612
16"	XTPDTD6016	XTPDTD7216	XTPDTD9616
20"	XTPDTD6020	XTPDTD7220	XTPDTD9620
24"	XTPDTD6024	XTPDTD7224	XTPDTD9624

Callout sizes are expressed in inches and equal rough opening.

New Castle XT patio door transoms–direct-set have an interior frame depth of 3 1/8" and an exterior projection of 1 3/16" from the nail fin.

When mulling a transom or sidelite to a patio door, overall rough opening is not affected by the mullion.

Standard Patio Door Transom – Sash-Set

ROUGH OPENING	60"	72"	96"
UNIT SIZE	59 1/2"	71 1/2"	95 1/2"
16"	XTPDTSS6016	XTPDTSS7216	XTPDTSS9616
20"	XTPDTSS6020	XTPDTSS7220	XTPDTSS9620
24"	XTPDTSS6024	XTPDTSS7224	XTPDTSS9624

Callout sizes are expressed in inches and equal rough opening.

New Castle XT patio door transoms–sash-set have an interior frame depth of 3 1/8" and an exterior projection of 1 5/8" from the nail fin.

When mulling a transom to a patio door, overall rough opening is not affected by the mullion.

Standard Patio Door and Combinations Ordering Information

X

→

Left-hand operation

○

←

Right-hand operation

X

○

○ = movable  
X = stationary

**Operating panel selection:** When ordering, specify XO or OX assembly as seen from outside. Can be reconfigured (reversed) in the field.

**Grids:** Specify none, flat, or sculptured when ordering. Available only in Colonial pattern.

**Combinations:** Sidelites and transoms must be ordered separately and both are available with direct-set or sash-set glazing. Combinations can be mullied at the factory, or kits can be supplied for field mulling.

**Note:** Direct-set glazing is set directly into the frame for more glass area in the opening.

Sash-set glazing is set into a sash for an appearance more consistent with the door and for better grid alignment. See features photo on pages 40–41.

FRENCH PATIO DOOR SIZES

French Patio Door – 2-Panel (XO/OX)

ROUGH OPENING	60"	72"	96"
UNIT SIZE	59 1/2"	71 1/2"	95 1/2"
80"	XTFPD6080	XTFPD7280	XTFPD9680
82"	XTFPD6082	XTFPD7282	XTFPD9682
96"	XTFPD6096	XTFPD7296	

Callout sizes are expressed in inches and equal rough opening.

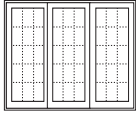
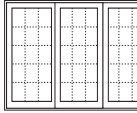
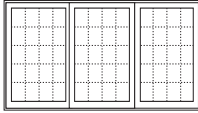
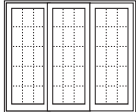
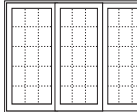
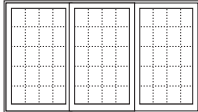
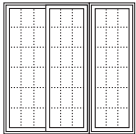
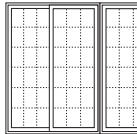
New Castle XT patio doors have an interior frame depth of 3 1/8" and an exterior projection of 1 5/8" from the nail fin.

Two-point lock with adjustable strikes on 2-panel doors.

Optional four-point lock.

# FRENCH PATIO DOOR SIZES

## French Patio Door – 3-Panel (X00/O0X)

ROUGH OPENING	89 3/8"	107 3/8"	143 3/8"
UNIT SIZE	89 1/8"	107 1/8"	143 1/8"
80"			
	XTTRFPD9080	XTTRFPD10880	XTTRFPD14480
82"			
	XTTRFPD9082	XTTRFPD10882	XTTRFPD14482
96"			
	XTTRFPD9096	XTTRFPD10896	

Callout sizes are expressed in inches and equal rough opening.

New Castle XT patio doors have an interior frame depth of 3 1/8" and an exterior projection of 1 5/8" from the nail fin.

Field-reversible handing available.







When mulling a transom or sidelite to a patio door, overall rough opening is not affected by the mullion.

Two-point lock with adjustable strikes on 3-panel doors.

Optional four-point lock.

OXO not available.

## French Patio Door Transom – Sash-Set

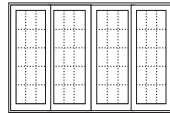
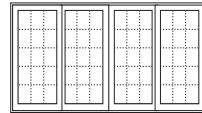
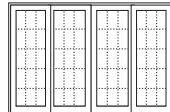
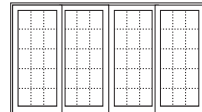
ROUGH OPENING	60"	72"	96"
UNIT SIZE	59 1/2"	71 1/2"	95 1/2"
20"			
	XTPDTSF6020	XTPDTSF7220	XTPDTSF9620
24"			
	XTPDTSF6024	XTPDTSF7224	XTPDTSF9624

Callout sizes are expressed in inches and equal rough opening.

New Castle XT French patio door transoms-sash-set have an interior frame depth of 3 1/8" and an exterior projection of 1 5/8" from the nail fin.

When mulling a transom or sidelite to a patio door, overall rough opening is not affected by the mullion.

## French Patio Door – 4-Panel (OXXO)

ROUGH OPENING	117 3/4"	141 3/4"
UNIT SIZE	117 1/4"	141 1/4"
80"		
	XTQFPD12080	XTQFPD14480
82"		
	XTQFPD12082	XTQFPD14482

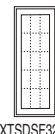
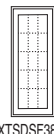
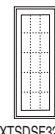



Callout sizes are expressed in inches and equal rough opening.

New Castle XT patio doors have an interior frame depth of 3 1/8" and an exterior projection of 1 5/8" from the nail fin.

Field-reversible handing available. When mulling a transom or sidelite to a patio door, overall rough opening is not affected by the mullion.

Four-point lock on 4-panel doors.

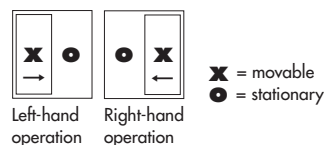
## French Patio Door Sidelite – Sash-Set

ROUGH OPENING	32 1/2"	38 1/2"
UNIT SIZE	32"	38"
80"		
	XTSDSF3280	XTSDSF3880
82"		
	XTSDSF3282	XTSDSF3882
96"		
	XTSDSF3296	XTSDSF3896

Callout sizes are expressed in inches and equal rough opening. New Castle XT French patio door sidelites-sash-set have an interior frame depth of 3 1/8" and an exterior projection of 1 5/8" from the nail fin.

When mulling a sidelite to a patio door, overall rough opening is not affected by the mullion.

## French Patio Door and Combinations Ordering Information



**Operating panel selection:** When ordering, specify XO or OX assembly as seen from outside. Can be reconfigured (reversed) in the field.

**Grids:** Specify none, flat, or sculptured when ordering.

**Combinations:** Sidelites and transoms must be ordered separately and are available as sash-set only. Combinations can be mullied at the factory, or kits can be supplied for field mulling.

**Note:** Sash-set glazing is set into a sash for an appearance more consistent with the door and for better grid alignment. See features photo on pages 40–41.



## THE WINDOW THAT CREATES A WHOLE NEW ENVIRONMENT.

Garden windows let the beauty of nature and the quality of CertainTeed brighten homes year-round. The windows have sleek, trim lines for a wide view and a classic look, plus a fusion-welded frame and internal aluminum reinforcement for dependable installation and leak-free performance.



**The beauty of nature.** A garden window presents a lush green view — from both sides of the glass — every month of the year.



**Practical features.** High-quality hardware is located within easy reach and is easy to use. The multi-point locking system helps provide a weather-tight seal. Tempered glass shelving is adjustable to maximize growing space. Operable side panels open like case-ments while interior screens protect against insect invasion.

# Garden Windows



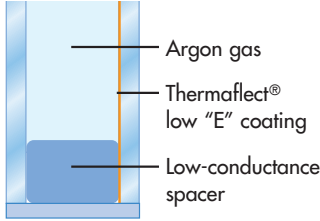


## GARDEN WINDOW FEATURES AND OPTIONS



### Color choices.

Choose white or tan, plus finishable birchwood seatboard.



### ENERGY STAR® efficiency.

CertainTeed's proprietary Thermafect® glazing system with low-conductance

spacer and insulating argon gas allow these windows to meet ENERGY STAR guidelines in all four U.S. climate zones. In addition, the Garden Window is made with a 2" thick insulated, birchwood seatboard with a foam core which retards moisture penetration and improves thermal performance.

## GARDEN WINDOW SIZES

### Garden Window

ROUGH OPENING		36"	42"	48"	54"	60"
UNIT SIZE		35 1/2"	41 1/2"	47 1/2"	53 1/2"	59 1/2"
PROJECTION	17 7/8"					
	36"					
	35 1/2"					
		GW3636	GW4236	GW4836	GW5436	GW6036
	42"					
	41 1/2"					
		GW3642	GW4242	GW4842	GW5442	GW6042
	48"					
	47 1/2"					
		GW3648	GW4248	GW4848	GW5448	GW6048
	60"					
	59 1/2"					
		GW3660	GW4260	GW4860	GW5460	GW6060

Callout sizes are expressed in inches and equal rough opening.

All garden windows come with one tempered, adjustable glass shelf, except 60" height window which comes with two tempered glass shelves.

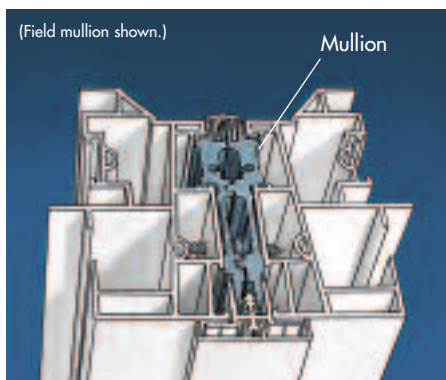
Windows sized to fit 4 5/16" wall thickness.

Interior trim kits are available for the following non-standard wall thicknesses:

- 2' x 4' frame with brick veneer
- 2' x 6' frame with vinyl siding
- 2' x 6' frame with brick veneer



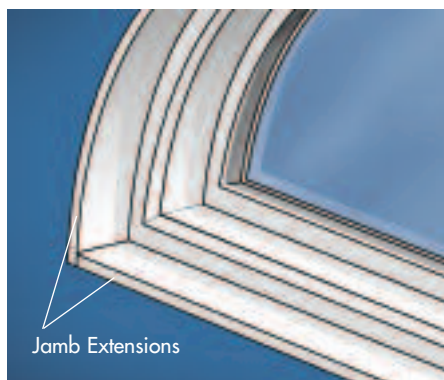
# NEW CASTLE XT JOINING AND FINISHING DETAILS.



## New Castle XT Structural Mullion System.

CertainTeed's structural mullion system helps you create New Castle XT window and door combinations that meet AAMA/WDMA performance requirements. The unique design has a heavy-duty aluminum core that meets most normal requirements, and galvanized steel strips can be added to allow larger combinations and higher grade ratings than ever before. For optimal thermal performance, the mullion system includes a thermal break.

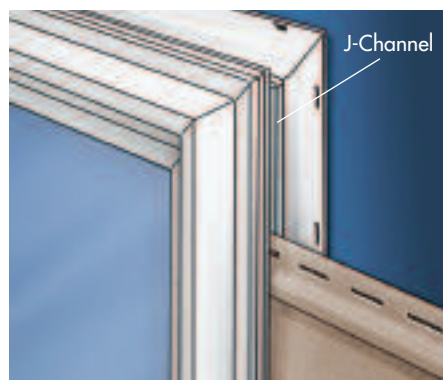
New Castle XT windows can be mulled in the factory, or kits can be provided for field mulling.



## Vinyl Jamb Extensions.

Factory-applied jamb extensions significantly reduce finishing time and material costs — especially on geometric windows.

The jamb extensions are a perfect replacement for wood. They can be specified for 2"x 4" or 2"x 6" construction, and can be applied with traditional tools and techniques. They are available in white or tan vinyl to match CertainTeed's vinyl windows.



## Integral J-channels.

The integral J-channel on New Castle XT windows, with a  $\frac{3}{4}$ " depth and a  $\frac{13}{16}$ " width, allows for easier and faster siding installation, helping installers save valuable time.


The channel also improves aesthetics. It's recessed to the edge of the frame, for streamlined interior finishing. Plus, the channel reduces the overall frame width of the window, for a sleek look.

# PERFORMANCE, SUPPORT, AND VALUE YOU CAN COUNT ON.

## Performance Standards.

New Castle XT windows and patio doors are manufactured to strict CertainTeed quality standards by a nationwide network of fabricators.

CertainTeed and its fabricators participate in the NFRC (National Fenestration Rating Council) Thermal Performance Rating Program.

 <b>CertainTeed High Performance Windows</b> <b>New Castle XT Double Hung Vinyl Frame</b>	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor(U.S./I-P) <b>0.46</b>	Solar Heat Gain Coefficient <b>0.58</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance <b>0.51</b>	_____
<small>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. Consult manufacturer's literature for other product performance information. <a href="http://www.nfrc.org">www.nfrc.org</a></small>	

CertainTeed products are certified by AAMA/WDMA for air, water, and structural performance. All certified products include compliance with independent insulating glass seal integrity testing procedures.

CertainTeed windows with the proprietary Thermaflect® Low "E" glazing system with low-conductance spacer and argon gas deliver optimum thermal performance. They meet the ENERGY STAR® guidelines for thermal efficiency in all climate regions, helping to save energy costs in both hot and cold weather.



## Professional Services.

CertainTeed offers a wide range of support for the professional community, with services designed to make it easier to use our windows.

**Web Site.** The Internet gives us lots of new ways to help professionals, from providing you with quick and easy access information to helping you generate new leads. At [www.certainteed.com](http://www.certainteed.com), you can find product information and technical data on all our windows. You can be listed on our "Locate a Contractor" service, if you participate in our Master Craftsman credential program. You can promote your business online in our "Web Site Showcase," if you help us find attractive homes to add to our photo library. Plus, you can contact us via e-mail with any questions you might have regarding our products, installation techniques, and more.

**Fax-on-demand.** 24 hours a day, 7 days a week, you can get the information you need — from product specs, performance data, and technical details to warranty information, installation instructions, and more. Just call 800-947-0057.

**Call 800-233-8990 for toll-free professional assistance.** Our Sales Support Group has highly trained specialists who are ready to assist

you with the window information and services described on this page. Whether you need technical or product information, sales literature, and more, our window experts can help.

**WindowWorks.** A library of installation details and CSI specifications on CD ROM. Drawings are available in DWG and DXF file formats, ready to use on AutoCAD systems.

**Building Solutions®.** This CD ROM resource for residential design includes an exclusive, interactive design module that lets you design full exteriors with CertainTeed window, siding, roofing, and pipe, fence, deck and railing products. Plus, you can access product information, installation techniques, and high-quality images.

## Warranty.

CertainTeed windows are backed by one of the strongest warranties in the industry. We offer a life-time limited warranty that protects you against manufacturing defects for as long as you own your home. And we add to that our exclusive SureStart™ protection plan, which covers 100 percent of the cost of both materials and labor to repair or replace a New Castle XT window found to have a manufacturing defect during the first five years following installation.



## CertainTeed. Leading in value since 1904.

CertainTeed has long stood for innovation and value in the building materials industry — today producing vinyl windows, roofing, vinyl and fiber cement siding, fiber glass insulation, pipe, fence, deck, and railing through facilities nationwide. Our commitment to the principles of “Quality made *certain*, satisfaction *guaranteed*” has made CertainTeed a name you can sell with confidence.

For more information about CertainTeed windows or other CertainTeed products, call 1-800-233-8990. Or visit our worldwide website at [www.certainteed.com](http://www.certainteed.com).



CertainTeed windows with the Thermaflect® glazing system meet the ENERGY STAR® guidelines for thermal efficiency in all climate regions.

### ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS:

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CertainTeed Corporation  
P.O. Box 860  
Valley Forge, PA 19482

Professional: 800-233-8990  
Consumer: 800-782-8777  
[www.certainteed.com](http://www.certainteed.com)



# CertainTeed