

## A GREAT LOOK. AT A GREAT PRICE.

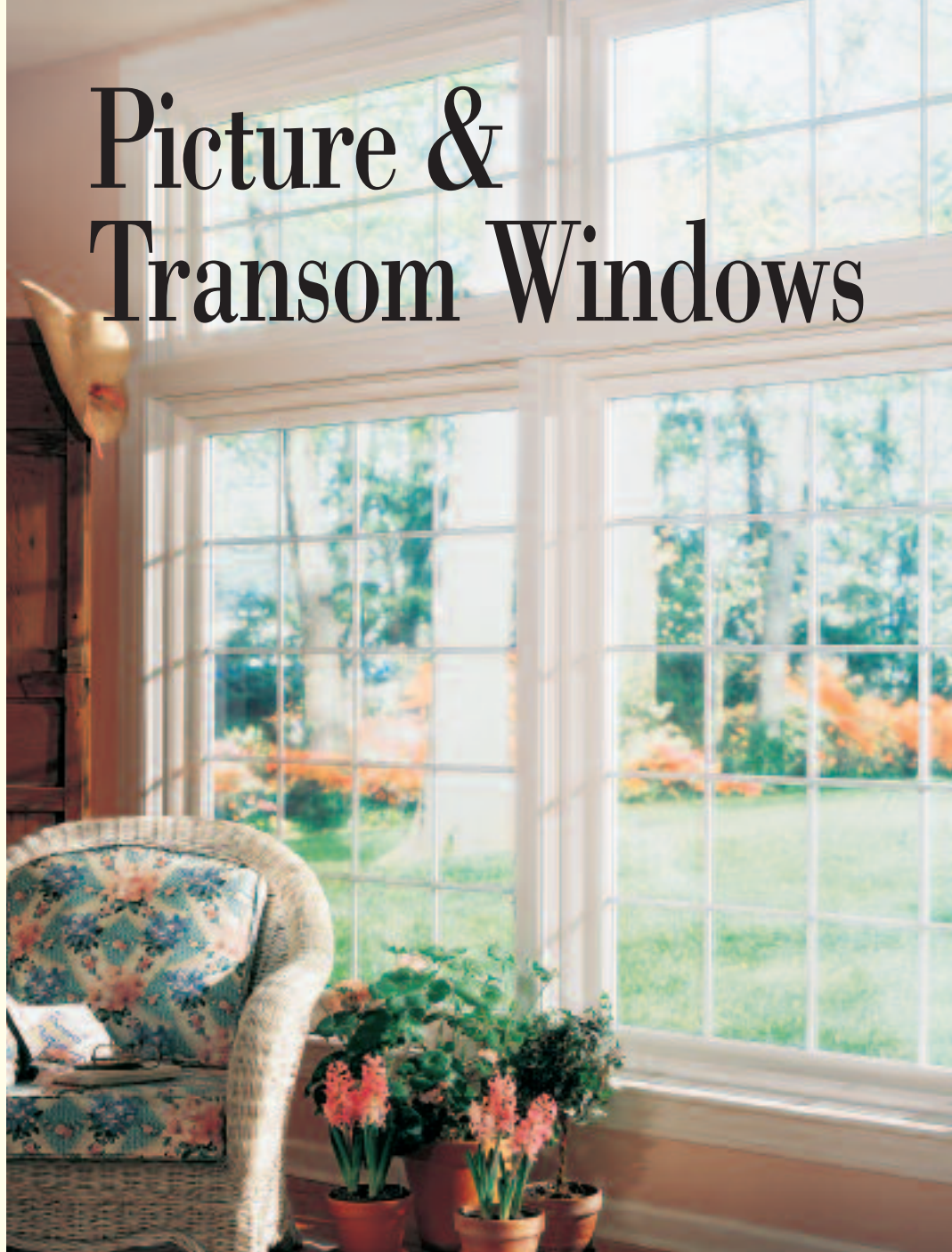
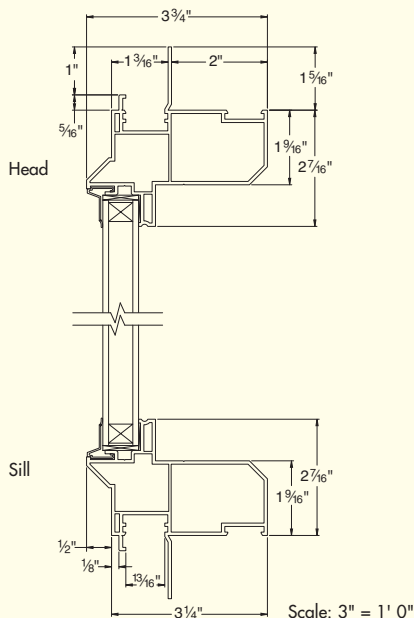
CertainTeed's latest generation of picture windows gives builders a cost-effective way to add light to a room and capture big, unobstructed views — with the long-lasting performance of real value.



**More light.** Picture windows are a highly cost-effective way to fill a room with light or open it up to a view.

## PICTURE AND TRANSOM WINDOW DETAIL DRAWING

### Picture & Transom (Fixed) – Vertical Detail



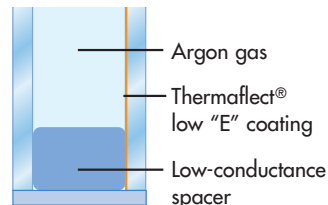
## PICTURE AND TRANSOM WINDOW FEATURES AND OPTIONS



**Color choices.**  
White or tan.



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



### 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.

# PICTURE AND TRANSOM WINDOW SIZES

## Picture (Fixed)

ROUGH OPENING	12"	20"	24"	28"	32"	36"	40"	44"	48"	60"
UNIT SIZE	11 1/2"	19 1/2"	23 1/2"	27 1/2"	31 1/2"	35 1/2"	39 1/2"	43 1/2"	47 1/2"	59 1/2"
VISIBLE GLASS	6 5/8"	14 5/8"	18 5/8"	22 5/8"	26 5/8"	30 5/8"	34 5/8"	38 5/8"	42 5/8"	54 5/8"
36"										
	XTPW1236♦	XTPW2036♦	XTPW2436♦	XTPW2836♦	XTPW3236♦	XTPW3636♦	XTPW4036♦	XTPW4436♦	XTPW4836♦	XTPW6036♦
42"										
	XTPW1242♦	XTPW2042♦	XTPW2442♦	XTPW2842♦	XTPW3242♦	XTPW3642♦	XTPW4042♦	XTPW4442♦	XTPW4842♦	XTPW6042♦
44"										
	XTPW1244♦	XTPW2044♦	XTPW2444♦	XTPW2844♦	XTPW3244♦	XTPW3644♦	XTPW4044♦	XTPW4444♦	XTPW4844♦	XTPW6044♦
48"										
	XTPW1248♦	XTPW2048♦	XTPW2448♦	XTPW2848♦	XTPW3248♦	XTPW3648♦	XTPW4048♦	XTPW4448♦	♦XTPW4848	XTPW6048♦
52"										
	XTPW1252♦	XTPW2052♦	XTPW2452♦	XTPW2852♦	XTPW3252♦	XTPW3652♦	XTPW4052♦	XTPW4452♦	XTPW4852♦	XTPW6052♦
60"										
	XTPW1260♦	XTPW2060♦	XTPW2460♦	XTPW2860♦	XTPW3260♦	XTPW3660♦	XTPW4060♦	XTPW4460♦	XTPW4860♦	XTPW6060♦
66"										
	XTPW1266♦	XTPW2066♦	XTPW2466♦	XTPW2866♦	XTPW3266♦	XTPW3666♦	XTPW4066♦	XTPW4466♦	XTPW4866♦	XTPW6066♦
72"										
	XTPW1272♦	XTPW2072♦	XTPW2472♦	XTPW2872♦	XTPW3272♦	XTPW3672♦	XTPW4072♦	XTPW4472♦	XTPW4872♦	XTPW6072♦

Callout sizes are expressed in inches and equal rough opening.

New Castle XT picture windows have an interior frame depth of 2" and an exterior projection from the nail fin of 1 3/4".

When mulling a unit to a picture window, overall rough opening is not affected by the mullion.

♦ Meets DP50 rating. Specify DP50 when ordering.

## Transom (Fixed)

ROUGH OPENING	28"	30"	32"	36"	37"	40"	44"	48"	56"	64"	72"
UNIT SIZE	27 1/2"	29 1/2"	31 1/2"	35 1/2"	36 1/2"	39 1/2"	43 1/2"	47 1/2"	55 1/2"	63 1/2"	71 1/2"
VISIBLE GLASS	22 5/8"	24 5/8"	26 5/8"	30 5/8"	31 5/8"	34 5/8"	38 5/8"	42 5/8"	50 5/8"	58 5/8"	66 5/8"
12"											
	XTTM2812♦	XTTM3012♦	XTTM3212♦	XTTM3612♦	XTTM3712♦	XTTM4012♦	XTTM4412♦	XTTM4812♦	XTTM5612♦	XTTM6412♦	XTTM7212♦
18"											
	XTTM2818♦	XTTM3018♦	XTTM3218♦	XTTM3618♦	XTTM3718♦	XTTM4018♦	XTTM4418♦	XTTM4818♦	XTTM5618♦	XTTM6418♦	XTTM7218♦
24"											
	XTTM2824♦	XTTM3024♦	XTTM3224♦	XTTM3624♦	XTTM3724♦	XTTM4024♦	XTTM4424♦	XTTM4824♦	XTTM5624♦	XTTM6424♦	XTTM7224♦

Callout sizes are expressed in inches and equal rough opening.

New Castle XT transom windows have an interior frame depth of 2" and an exterior projection from the nail fin of 1 3/4".

When mulling a unit to a picture window, overall rough opening is not affected by the mullion.

♦ Meets DP50 rating.  
Specify DP50 when ordering.

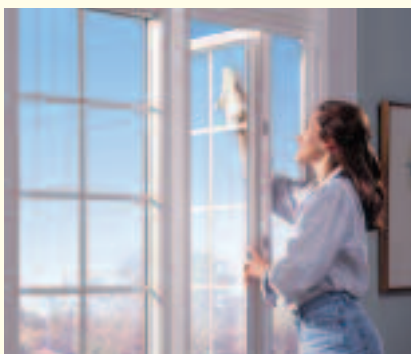


## AN ALL-NEW ADVANCED DESIGN.

CertainTeed's casement and awning windows offer real design advantages. Slim profiles and new, larger sizes let builders open the home to even wider views. And their sleek and versatile design can add maximum ventilation or bring light and air to out-of-the-way spaces.



**Easy to open, easy to close.** Located within easy reach, the operating hardware requires very little effort to use, as the crank is geared down and hinges are designed to bear the load easily.



**Easy cleaning.** Specially designed hinges open to a full 90-degrees and allow access to the outside sash surfaces from inside the home.



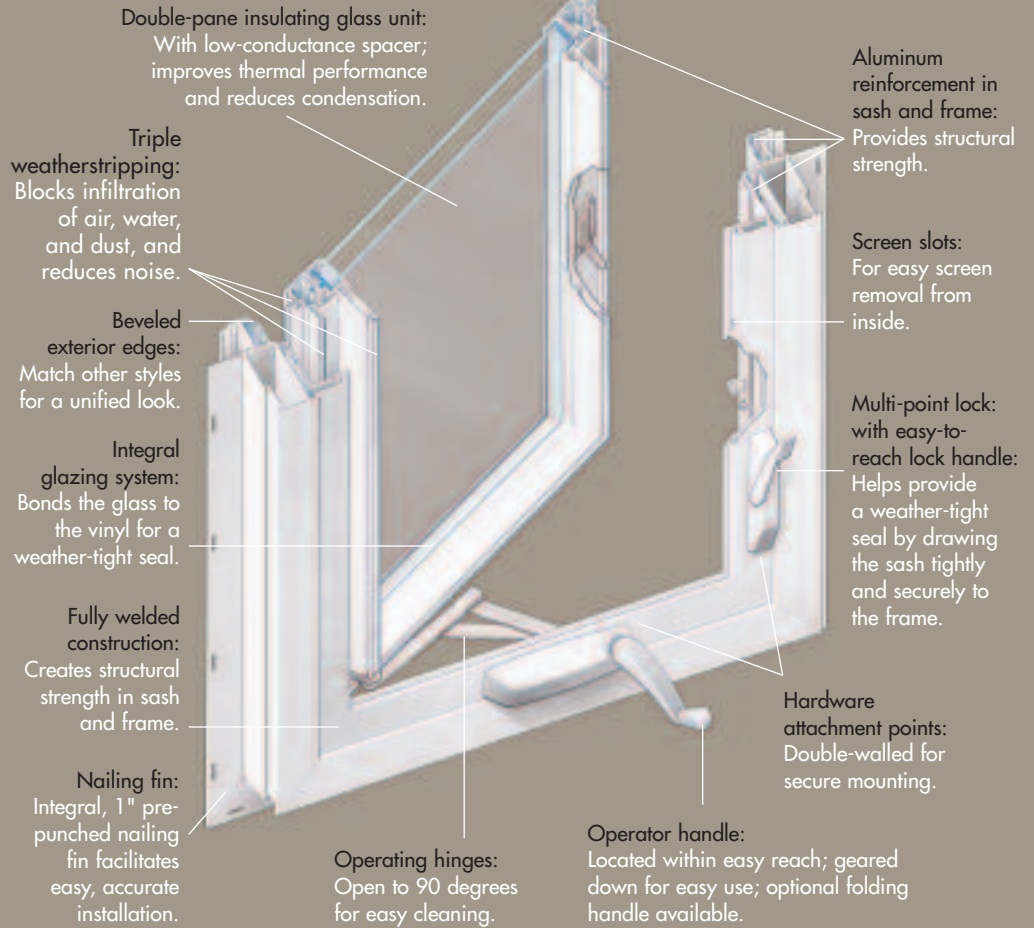
**Awning operation.** Awning windows open out and upward for maximum ventilation. Dual operator arms and locks pull sash tight, while dual compression seals ensure weather resistance.

# Casement & Awning Windows



## CASEMENT WINDOW FEATURES AND OPTIONS

### CASEMENT WINDOW SHOWN



#### Color choices.

White or tan.

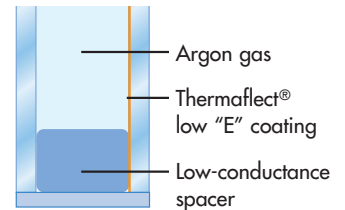


**Folding handle.** Optional style has a compact profile that minimizes interference with draperies and blinds. Fixed handle is standard.



#### Grids between the glass.

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

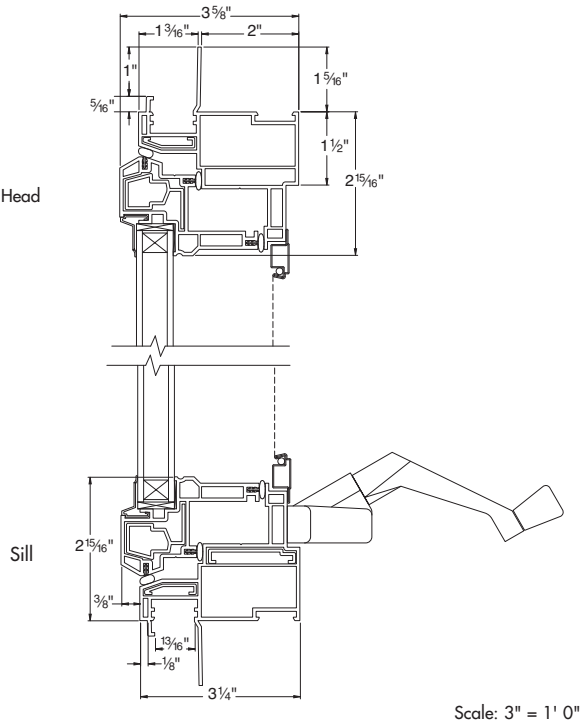


#### ENERGY STAR® efficiency.

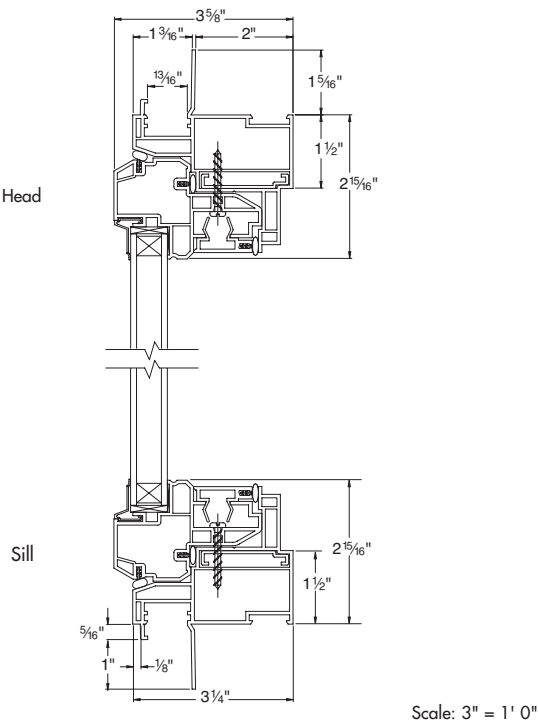
With the option of CertainTeed's proprietary ThermoFlect® glazing system with low-conductance spacer and insulating argon gas, New Castle XT windows meet ENERGY STAR guidelines in all four U.S. climate zones.

# CASEMENT WINDOW DETAIL DRAWINGS

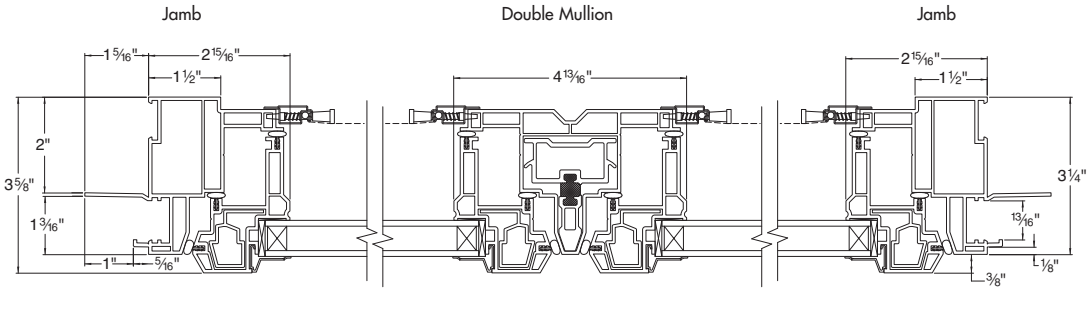
Casement – Vertical Detail



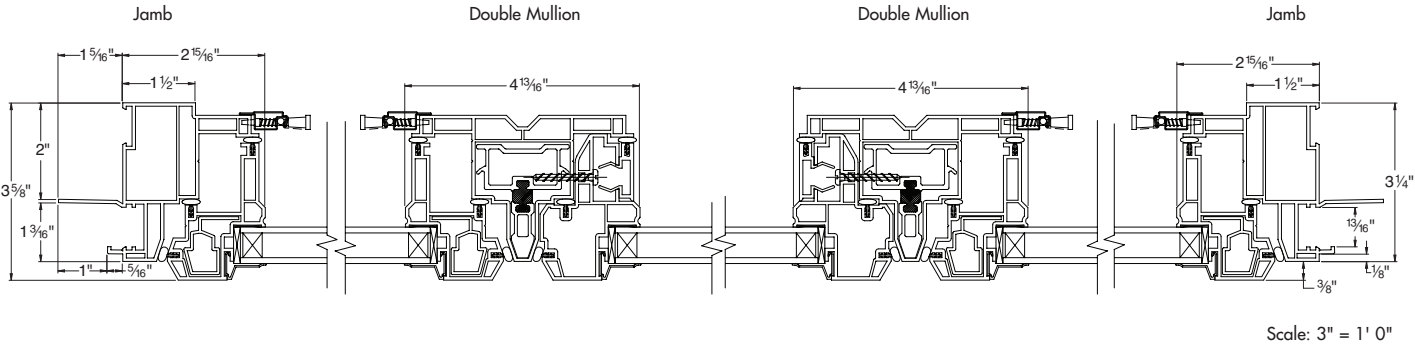
Casement Picture (Fixed) – Vertical Detail



Twin Casement – Horizontal Detail

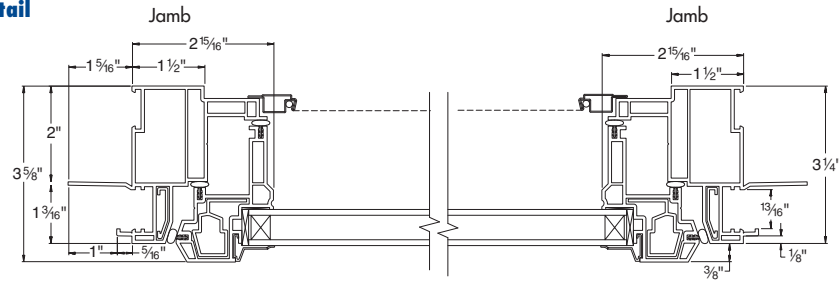


Casement/Fixed/Casement – Horizontal Detail





## Awning – Horizontal Detail



Scale: 3" = 1' 0"

## CASEMENT WINDOW SIZES

### Casement

ROUGH OPENING*	18"	20"	24"	28"	30"	36"
UNIT SIZE	17 1/2"	19 1/2"	23 1/2"	27 1/2"	29 1/2"	35 1/2"
SASH OPENING	5 3/16"	7 3/16"	11 3/16"	15 3/16"	21 3/16"	23 3/16"
VISIBLE GLASS SASH	11 1/2"	13 1/2"	17 1/2"	21 1/2"	23 1/2"	29 1/2"
24"	23 1/2"	17 7/8"	17 1/2"			
	XTCS1824♦	XTCS2024♦	XTCS2424♦			
36"	35 1/2"	29 7/8"	29 1/2"			
	XTCS1836♦	XTCS2036♦	XTCS2436♦	XTCS2836♦	XTCS3036♦	XTCS3636♦
42"	41 1/2"	35 7/8"	35 1/2"			
	XTCS1842♦	XTCS2042♦	XTCS2442♦	XTCS2842♦	XTCS3042♦	XTCS3642†
48"	47 1/2"	41 7/8"	41 1/2"			
	XTCS1848♦	XTCS2048♦	XTCS2448♦	XTCS2848♦	XTCS3048♦	XTCS3648†
52"	51 1/2"	45 7/8"	45 1/2"			
	XTCS1852♦	XTCS2052♦	XTCS2452♦	XTCS2852♦	XTCS3052♦	XTCS3652†
60"	59 1/2"	53 7/8"	53 1/2"			
	XTCS1860♦	XTCS2060♦	XTCS2460♦	XTCS2860♦	XTCS3060♦	XTCS3660†
66"	65 1/2"	59 7/8"	59 1/2"			
	XTCS1866♦	XTCS2066♦	XTCS2466♦	XTCS2866♦	XTCS3066♦	XTCS3666†
72"	71 1/2"	65 7/8"	65 1/2"			
	XTCS1872♦	XTCS2072♦	XTCS2472♦	XTCS2872♦	XTCS3072♦	XTCS3672†

\* Callout sizes are expressed in inches and equal rough opening.

New Castle XT casement windows have an interior frame depth of 2" and an exterior projection from the nail fin of 1 5/8".

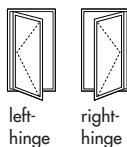
All casement windows made with 90° washability hinge unless noted.

† Meets egress of:  
Clear openable area ≥ 5.7 sq. ft.  
Clear openable width ≥ 20"  
Clear openable height ≥ 24"

♦ Meets DP50 rating.  
Specify DP50 when ordering.

• Requires egress hinge to meet egress. Specify egress hinge when ordering.

Casement Vent Layout:  
When ordering, specify left-hinge or right-hinge configuration, as viewed from outside.



### Twin Casement

ROUGH OPENING*	36"	40"	48"	56"	72"
UNIT SIZE	35 1/2"	39 1/2"	47 1/2"	55 1/2"	71 1/2"
SASH OPENING	5 7/8"	7 7/8"	11 7/8"	20 1/4"	28 1/4"
VISIBLE GLASS SASH	12 1/4"	14 1/4"	18 1/4"	22 1/4"	30 1/4"
36"	35 1/2"	29 7/8"	29 1/2"		
	XTTCS3636	XTTCS4036	XTTCS4836	XTTCS5636	XTTCS7236♦
42"	41 1/2"	35 7/8"	35 1/2"		
	XTTCS3642	XTTCS4042	XTTCS4842	XTTCS5642	XTTCS7242†
48"	47 1/2"	41 7/8"	41 1/2"		
	XTTCS3648	XTTCS4048	XTTCS4848	XTTCS5648♦	XTTCS7248†
52"	51 1/2"	45 7/8"	45 1/2"		
	XTTCS3652	XTTCS4052	XTTCS4852	XTTCS5652♦	XTTCS7252†
60"	59 1/2"	53 7/8"	53 1/2"		
	XTTCS3660	XTTCS4060	XTTCS4860	XTTCS5660♦	XTTCS7260†
66"	65 1/2"	59 7/8"	59 1/2"		
	XTTCS3666	XTTCS4066	XTTCS4866	XTTCS5666♦	XTTCS7266†
72"	71 1/2"	65 7/8"	65 1/2"		
	XTTCS3672	XTTCS4072	XTTCS4872	XTTCS5672♦	XTTCS7272†

\* Callout sizes are expressed in inches and equal rough opening.

New Castle XT casement windows have an interior frame depth of 2" and an exterior projection from the nail fin of 1 5/8".

All units shown utilize a common frame.

Grid patterns: See size chart to the left and on page 28.

All casement windows made with 90° washability hinge unless noted.

† Meets egress of:  
Clear openable area ≥ 5.7 sq. ft.  
Clear openable width ≥ 20"  
Clear openable height ≥ 24"

• Requires egress hinge to meet egress. Specify egress hinge when ordering.

# CASEMENT WINDOW SIZES

## Casement Picture (Fixed)

ROUGH OPENING*	20"	24"	28"	30"	36"	42"	48"	60"	66"
UNIT SIZE	19 1/2"	23 1/2"	27 1/2"	29 1/2"	35 1/2"	41 1/2"	47 1/2"	59 1/2"	65 1/2"
VISIBLE GLASS	13 1/2"	17 1/2"	21 1/2"	23 1/2"	29 1/2"	35 1/2"	41 1/2"	53 1/2"	59 1/2"
36"									
	XTCP2036♦	XTCP2436♦	XTCP2836♦	XTCP3036♦	XTCP3636♦	XTCP4236♦	XTCP4836♦	XTCP6036	XTCP6636
42"									
	XTCP2042♦	XTCP2442♦	XTCP2842♦	XTCP3042♦	XTCP3642♦	XTCP4242	XTCP4842	XTCP6042	XTCP6642
48"									
	XTCP2048♦	XTCP2448♦	XTCP2848♦	XTCP3048♦	XTCP3648♦	XTCP4248	XTCP4848	XTCP6048	XTCP6648
52"									
	XTCP2052♦	XTCP2452♦	XTCP2852♦	XTCP3052♦	XTCP3652♦	XTCP4252	XTCP4852	XTCP6052	XTCP6652
60"									
	XTCP2060♦	XTCP2460♦	XTCP2860♦	XTCP3060♦	XTCP3660♦	XTCP4260	XTCP4860	XTCP6060	XTCP6660
66"									
	XTCP2066♦	XTCP2466♦	XTCP2866♦	XTCP3066♦	XTCP3666♦	XTCP4266	XTCP4866	XTCP6066	XTCP6666
72"									
	XTCP2072♦	XTCP2472♦	XTCP2872♦	XTCP3072♦	XTCP3672♦	XTCP4272	XTCP4872	XTCP6072	XTCP6672
80"									
	XTCP2080♦	XTCP2480♦	XTCP2880♦	XTCP3080♦	XTCP3680♦	XTCP4280	XTCP4880	XTCP6080	

New Castle XT casement windows have an interior frame depth of 2" and an exterior projection from the nail fin of 1 1/8".

\* Callout sizes are expressed in inches and equal rough opening.

Casement picture (fixed) profile compatible with operable casement windows.

♦ Meets DP50 rating.  
Specify DP50 when ordering.

## Casement/Fixed/Casement

ROUGH OPENING*	54"	60"	72"
UNIT SIZE	53 1/2"	59 1/2"	71 1/2"
SASH OPENING	6"	8"	12"
VISIBLE GLASS SASH	12 1/2"	14 1/2"	18 1/2"
36"			
	XTCFC5436	XTCFC6036	XTCFC7236
42"			
	XTCFC5442	XTCFC6042	XTCFC7242
48"			
	XTCFC5448	XTCFC6048	XTCFC7248
52"			
	XTCFC5452	XTCFC6052	XTCFC7252
60"			
	XTCFC5460	XTCFC6060	XTCFC7260
66"			
	XTCFC5466	XTCFC6066	XTCFC7266
72"			
	XTCFC5472	XTCFC6072	XTCFC7272

\* Callout sizes are expressed in inches and equal rough opening.

New Castle XT casement windows have an interior frame depth of 2" and an exterior projection from the nail fin of 1 1/8".

All units shown utilize a common frame.

Grid patterns: See size chart on page 27 and to the left.

Standard: Each unit represents 33.3% of the total combination window.

Also available in 25%-50%-25% configuration. Egress will change. Check with your distributor.

All casement windows made with 90 degree washability hinge unless noted.

† Meets egress of:  
Clear openable area ≥ 5.7 sq. ft.  
Clear openable width ≥ 20"  
Clear openable height ≥ 24"

• Requires egress hinge to meet egress.  
Specify egress hinge when ordering.

## Four Unit Casement

84"	108"
83 1/2"	107 1/2"
20 3/8"	28 3/8"
22 1/2"	30 1/2"



XTCFC8436



XTCFC8442



XTCFC8448†



XTCFC8452†



XTCFC10852†



XTCFC8460†



XTCFC10860†



XTCFC8466†



XTCFC10866†



XTCFC8472†



XTCFC10872†

ROUGH OPENING*	72"	80"	96"	112"
UNIT SIZE	71 1/2"	79 1/2"	95 1/2"	111 1/2"
SASH OPENING	6 1/8"	8 1/8"	12 1/8"	16 1/8"
VISIBLE GLASS SASH	12 5/8"	14 5/8"	18 5/8"	22 5/8"
36"	35 1/2"			
	29 7/8"			
	29 1/2"			
42"	41 1/2"			
	35 7/8"			
	35 1/2"			
48"	47 1/2"			
	41 7/8"			
	41 1/2"			
52"	51 1/2"			
	45 7/8"			
	45 1/2"			
60"	59 1/2"			
	53 7/8"			
	53 1/2"			
66"	65 1/2"			
	59 7/8"			
	59 1/2"			
72"	71 1/2"			
	65 7/8"			
	65 1/2"			



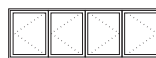
4UCS7236



4UCS8036



4UCS9636



4UCS11236



4UCS7242



4UCS8042



4UCS9642



4UCS11242



4UCS7248



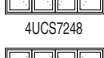
4UCS8048



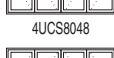
4UCS9648



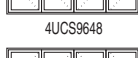
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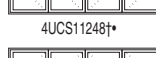
4UCS7252



4UCS8052



4UCS9652



4UCS11252†



4UCS7260



4UCS8060



4UCS9660



4UCS11260†



4UCS7266



4UCS8066



4UCS9666



4UCS11266†



4UCS7272



4UCS8072



4UCS9672



4UCS11272†

\* Callout sizes are expressed in inches and equal rough opening.

New Castle XT casement windows have an interior frame depth of 2" and an exterior projection from the nail fin of 1 7/8".

All units shown utilize a common frame.

Grid patterns:  
See size charts on pages 27 and 28.

Each unit represents 25% of the total combination window.

All casement windows made with 90° washability hinge unless noted.

† Meets egress of:  
Clear openable area ≥ 5.7 sq. ft.  
Clear openable width ≥ 20"  
Clear openable height ≥ 24"

• Requires egress hinge to meet egress. Specify egress hinge when ordering.

## Awning

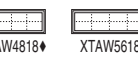
ROUGH OPENING*	24"	36"	40"	48"	56"	60"
UNIT SIZE	23 1/2"	35 1/2"	39 1/2"	47 1/2"	55 1/2"	59 1/2"
VISIBLE GLASS SASH	17 1/2"	29 1/2"	33 1/2"	41 1/2"	49 1/2"	53 1/2"
18"	17 1/2"					
	11 1/2"					
20"	19 1/2"					
	13 1/2"					
24"	23 1/2"					
	17 1/2"					
28"	27 1/2"					
	21 1/2"					
36"	35 1/2"					
	29 1/2"					



XTAW2418♦



XTAW3618♦



XTAW4018♦



XTAW4818♦



XTAW5618



XTAW6018



XTAW2420♦



XTAW3620♦



XTAW4020♦



XTAW4820♦



XTAW5620



XTAW6020



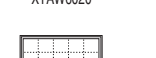
XTAW2424♦



XTAW3624♦



XTAW4024♦



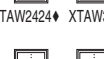
XTAW4824♦



XTAW5624



XTAW6024



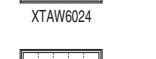
XTAW2428♦



XTAW3628♦



XTAW4028♦



XTAW4828♦



XTAW5628



XTAW6028



XTAW2436♦



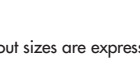
XTAW3636♦



XTAW4036♦



XTAW4836♦



XTAW5636



XTAW6036

\* Callout sizes are expressed in inches and equal rough opening.

♦ Meets DP50 rating.  
Specify DP50 when ordering.



## REAL SPACIOUSNESS. AND REAL STRENGTH.

CertainTeed's custom bay and bow windows add architectural interest, plenty of light, and real spaciousness to a home. An exceptionally strong structure and a smooth, finished look help builders sell up, beyond a picture window, and increase profits.



**A wider view.** A bow window opens up a vista from a favorite room. This combination of casement windows gives a sense of height and space, and allows easy operation for ventilation.



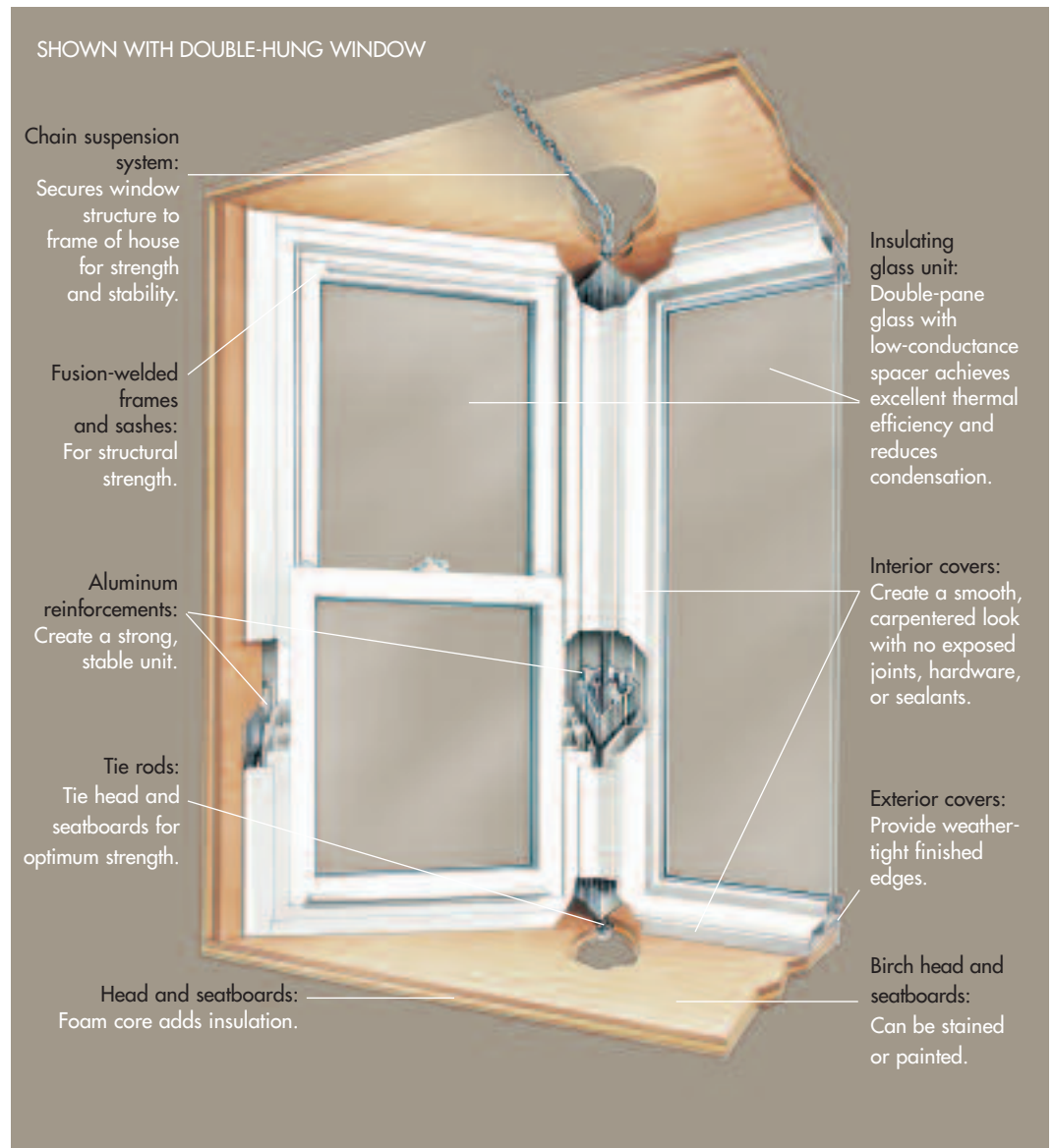
**More space.** Bay windows truly add space to a room, both inside and out. This 45-degree bay has a central fixed window flanked by double-hung windows for ventilation.

# Bay & Bow Windows





## BAY AND BOW WINDOW FEATURES AND OPTIONS



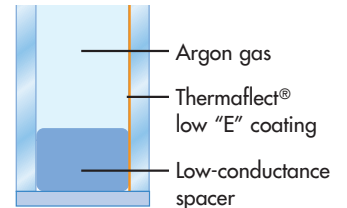
### Color choices.

White or tan.



### Grids between the glass.

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

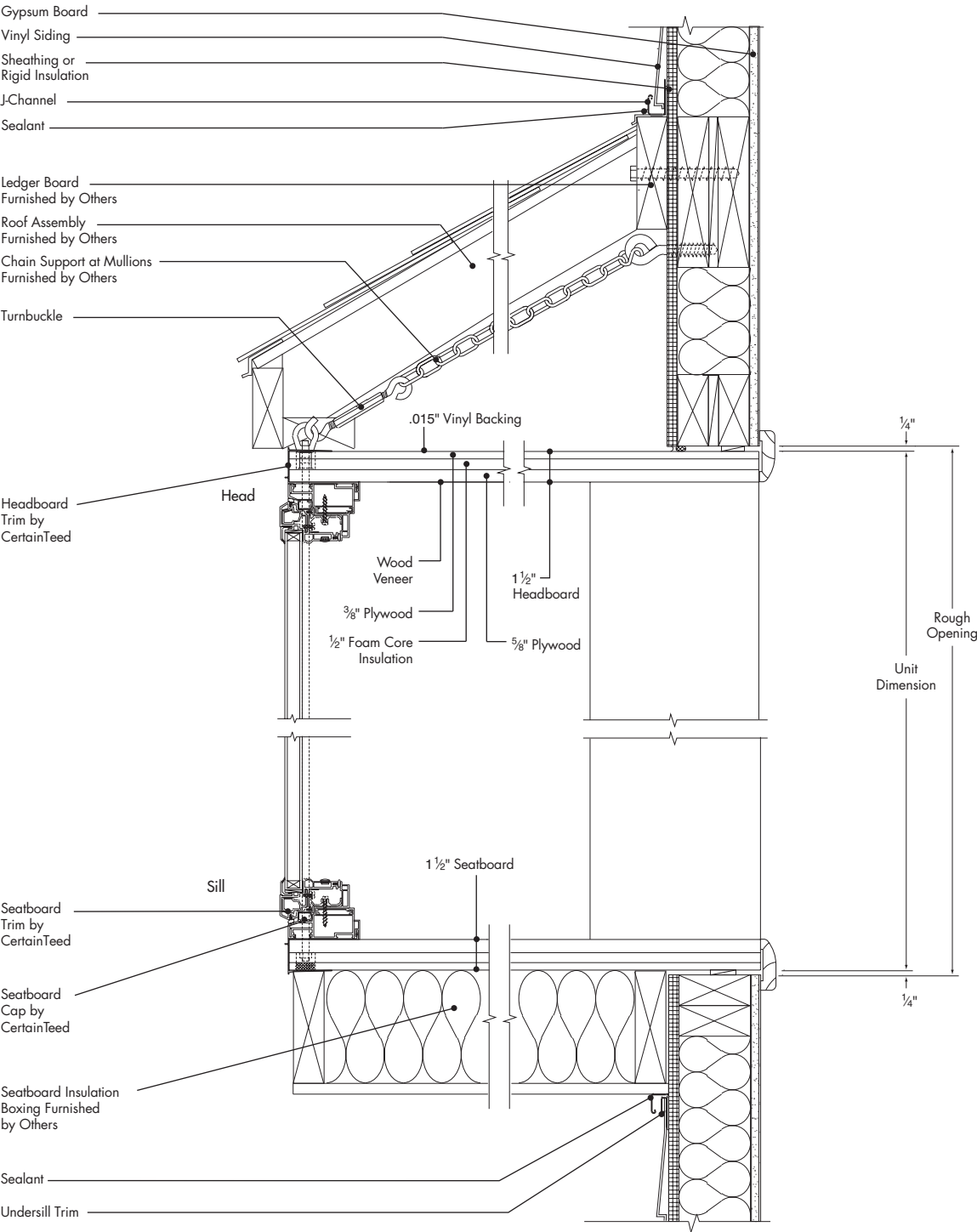


### ENERGY STAR® efficiency.

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.

# BAY AND BOW WINDOW DETAIL DRAWING

## Bay /Bow (2 x 4 Vinyl Siding) – Vertical Detail



Scale: 1 1/2" = 1' 0"

# BAY AND BOW WINDOW SIZES

## 10° Bow with 24" Casement Units

PROJECTION	4 <sup>5</sup> / <sub>8</sub> "	9"	13 <sup>1</sup> / <sub>16</sub> "	19 <sup>1</sup> / <sub>4</sub> "
ROUGH OPENING	75 <sup>1</sup> / <sub>2</sub> "	98 <sup>7</sup> / <sub>16</sub> "	120 <sup>1</sup> / <sub>2</sub> "	142"
OVERALL UNIT SIZE	75"	97 <sup>5</sup> / <sub>16</sub> "	120"	141 <sup>1</sup> / <sub>2</sub> "
51 <sup>1</sup> / <sub>8</sub> " 50 <sup>5</sup> / <sub>8</sub> "				
	XT3BW2448	XT4BW2448	XT5BW2448	XT6BW2448
55 <sup>1</sup> / <sub>8</sub> " 54 <sup>5</sup> / <sub>8</sub> "				
	XT3BW2452	XT4BW2452	XT5BW2452	XT6BW2452
63 <sup>1</sup> / <sub>8</sub> " 62 <sup>5</sup> / <sub>8</sub> "				
	XT3BW2460	XT4BW2460	XT5BW2460	XT6BW2460
69 <sup>1</sup> / <sub>8</sub> " 68 <sup>5</sup> / <sub>8</sub> "				
	XT3BW2466	XT4BW2466	XT5BW2466	XT6BW2466
75 <sup>1</sup> / <sub>8</sub> " 74 <sup>5</sup> / <sub>8</sub> "				
	XT3BW2472	XT4BW2472	XT5BW2472	XT6BW2472

Callout indicates size of each unit expressed in inches and number of units in total window.

Grid patterns: See casement size charts on pages 27 and 28.

## 10° Bow with 28" Casement Units

PROJECTION	5 <sup>5</sup> / <sub>16</sub> "	10 <sup>5</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>8</sub> "
ROUGH OPENING	87 <sup>3</sup> / <sub>8</sub> "	114 <sup>1</sup> / <sub>8</sub> "	139 <sup>7</sup> / <sub>8</sub> "
OVERALL UNIT SIZE	86"	113"	139 <sup>1</sup> / <sub>8</sub> "
51 <sup>1</sup> / <sub>8</sub> " 50 <sup>5</sup> / <sub>8</sub> "			
	XT3BW2848	XT4BW2848	XT5BW2848
55 <sup>1</sup> / <sub>8</sub> " 54 <sup>5</sup> / <sub>8</sub> "			
	XT3BW2852	XT4BW2852	XT5BW2852
63 <sup>1</sup> / <sub>8</sub> " 62 <sup>5</sup> / <sub>8</sub> "			
	XT3BW2860	XT4BW2860	XT5BW2860
69 <sup>1</sup> / <sub>8</sub> " 68 <sup>5</sup> / <sub>8</sub> "			
	XT3BW2866	XT4BW2866	XT5BW2866
75 <sup>1</sup> / <sub>8</sub> " 74 <sup>5</sup> / <sub>8</sub> "			
	XT3BW2872	XT4BW2872	XT5BW2872

Callout indicates size of each unit expressed in inches and number of units in total window.

Grid patterns: See casement size charts on pages 27 and 28.



# BAY AND BOW WINDOW SIZES

## 30° Bay with 24" Single-Hung Flankers

PROJECTION	12 15/16"	12 15/16"	12 15/16"	12 15/16"
ROUGH OPENING	86 5/16"	94 5/16"	94 5/16"	106 5/16"
OVERALL UNIT SIZE	85 13/16"	93 13/16"	93 13/16"	105 13/16"
51 1/8" 50 5/8"				
	XT30°-4048-24SH	XT30°-4848*-24SH	XT30°-4848-24SH	XT30°-6048-24SH
55 1/8" 54 5/8"				
	XT30°-4052-24SH	XT30°-4852*-24SH	XT30°-4852-24SH	XT30°-6052-24SH
63 1/8" 62 5/8"				
	XT30°-4060-24SH	XT30°-4860*-24SH	XT30°-4860-24SH	XT30°-6060-24SH
69 1/8" 68 5/8"				
	XT30°-4066-24SH	XT30°-4866*-24SH	XT30°-4866-24SH	XT30°-6066-24SH
75 1/8" 74 5/8"				
	XT30°-4072-24SH	XT30°-4872*-24SH	XT30°-4872-24SH	XT30°-6072-24SH

Callout indicates bay angle, size of center window, and width of flankers expressed in inches.

Grid patterns: See single-hung size charts on pages 9–10.

\* Denotes size of twin single-hung.

## 30° Bay with 24" Casement Flankers

PROJECTION	12 15/16"	12 15/16"
ROUGH OPENING	86 5/16"	94 5/16"
OVERALL UNIT SIZE	85 13/16"	93 13/16"
51 1/8" 50 5/8"		
	XT30°-4048-24C	XT30°-4848*-24C
55 1/8" 54 5/8"		
	XT30°-4052-24C	XT30°-4852*-24C
63 1/8" 62 5/8"		
	XT30°-4060-24C	XT30°-4860*-24C
69 1/8" 68 5/8"		
	XT30°-4066-24C	XT30°-4866*-24C
75 1/8" 74 5/8"		
	XT30°-4072-24C	XT30°-4872*-24C

## 45° Bay with 24" Single-Hung Flankers

PROJECTION	18 3/8"	18 3/8"	18 3/8"	18 3/8"
ROUGH OPENING	79 1/2"	87 1/2"	87 1/2"	99 1/2"
OVERALL UNIT SIZE	79"	87"	87"	99"
51 1/8" 50 5/8"				
	XT45°-4048-24SH	XT45°-4848*-24SH	XT45°-4848-24SH	XT45°-6048-24SH
55 1/8" 54 5/8"				
	XT45°-4052-24SH	XT45°-4852*-24SH	XT45°-4852-24SH	XT45°-6052-24SH
63 1/8" 62 5/8"				
	XT45°-4060-24SH	XT45°-4860*-24SH	XT45°-4860-24SH	XT45°-6060-24SH
69 1/8" 68 5/8"				
	XT45°-4066-24SH	XT45°-4866*-24SH	XT45°-4866-24SH	XT45°-6066-24SH
75 1/8" 74 5/8"				
	XT45°-4072-24SH	XT45°-4872*-24SH	XT45°-4872-24SH	XT45°-6072-24SH

Callout indicates bay angle, size of center window, and width of flankers expressed in inches.

Grid patterns: See single-hung size charts on pages 9–10.

\* Denotes size of twin single-hung.

## 45° Bay with 24" Casement Flankers

PROJECTION	18 3/8"	18 3/8"
ROUGH OPENING	79 1/2"	87 1/2"
OVERALL UNIT SIZE	79"	87"
51 1/8" 50 5/8"		
	XT45°-4048-24C	XT45°-4848*-24C
55 1/8" 54 5/8"		
	XT45°-4052-24C	XT45°-4852*-24C
63 1/8" 62 5/8"		
	XT45°-4060-24C	XT45°-4860*-24C
69 1/8" 68 5/8"		
	XT45°-4066-24C	XT45°-4866*-24C
75 1/8" 74 5/8"		
	XT45°-4072-24C	XT45°-4872*-24C

### 30° Bay with 24" Double-Hung Flankers

PROJECTION		12 <sup>15</sup> / <sub>16</sub> "	12 <sup>15</sup> / <sub>16</sub> "
ROUGH OPENING		94 <sup>5</sup> / <sub>16</sub> "	106 <sup>5</sup> / <sub>16</sub> "
OVERALL UNIT SIZE		93 <sup>13</sup> / <sub>16</sub> "	105 <sup>13</sup> / <sub>16</sub> "
51 <sup>1</sup> / <sub>8</sub> "	50 <sup>5</sup> / <sub>16</sub> "		
		XT30°-4848-24C	XT30°-6048-24C
55 <sup>1</sup> / <sub>8</sub> "	54 <sup>5</sup> / <sub>16</sub> "		
		XT30°-4852-24C	XT30°-6052-24C
63 <sup>1</sup> / <sub>8</sub> "	62 <sup>5</sup> / <sub>16</sub> "		
		XT30°-4860-24C	XT30°-6060-24C
69 <sup>1</sup> / <sub>8</sub> "	68 <sup>5</sup> / <sub>16</sub> "		
		XT30°-4866-24C	XT30°-6066-24C
75 <sup>1</sup> / <sub>8</sub> "	74 <sup>5</sup> / <sub>16</sub> "		
		XT30°-4872-24C	XT30°-6072-24C

Callout indicates bay angle, size of center window, and width of flankers expressed in inches.

Grid patterns: See casement size charts on pages 27 and 28.

\* Denotes size of twin casement.

PROJECTION		12 <sup>15</sup> / <sub>16</sub> "	12 <sup>15</sup> / <sub>16</sub> "	12 <sup>15</sup> / <sub>16</sub> "	12 <sup>15</sup> / <sub>16</sub> "
ROUGH OPENING		86 <sup>5</sup> / <sub>16</sub> "	94 <sup>5</sup> / <sub>16</sub> "	94 <sup>5</sup> / <sub>16</sub> "	106 <sup>5</sup> / <sub>16</sub> "
OVERALL UNIT SIZE		85 <sup>13</sup> / <sub>16</sub> "	93 <sup>13</sup> / <sub>16</sub> "	93 <sup>13</sup> / <sub>16</sub> "	105 <sup>13</sup> / <sub>16</sub> "
51 <sup>1</sup> / <sub>8</sub> "	50 <sup>5</sup> / <sub>16</sub> "				
		XT30°-4048-24DH	XT30°-4848*-24DH	XT30°-4848-24DH	XT30°-6048-24DH
55 <sup>1</sup> / <sub>8</sub> "	54 <sup>5</sup> / <sub>16</sub> "				
		XT30°-4052-24DH	XT30°-4852*-24DH	XT30°-4852-24DH	XT30°-6052-24DH
63 <sup>1</sup> / <sub>8</sub> "	62 <sup>5</sup> / <sub>16</sub> "				
		XT30°-4060-24DH	XT30°-4860*-24DH	XT30°-4860-24DH	XT30°-6060-24DH
69 <sup>1</sup> / <sub>8</sub> "	68 <sup>5</sup> / <sub>16</sub> "				
		XT30°-4066-24DH	XT30°-4866*-24DH	XT30°-4866-24DH	XT30°-6066-24DH
75 <sup>1</sup> / <sub>8</sub> "	74 <sup>5</sup> / <sub>16</sub> "				
		XT30°-4072-24DH	XT30°-4872*-24DH	XT30°-4872-24DH	XT30°-6072-24DH

Callout indicates bay angle, size of center window, and width of flankers expressed in inches.

Grid patterns: See double-hung size charts on pages 15 through 17.

\* Denotes size of twin double-hung.

### 45° Bay with 24" Double-Hung Flankers

PROJECTION		18 <sup>3</sup> / <sub>8</sub> "	18 <sup>3</sup> / <sub>8</sub> "
ROUGH OPENING		87 <sup>1</sup> / <sub>2</sub> "	99 <sup>1</sup> / <sub>2</sub> "
OVERALL UNIT SIZE		87"	99"
51 <sup>1</sup> / <sub>8</sub> "	50 <sup>5</sup> / <sub>16</sub> "		
		XT45°-4848-24C	XT45°-6048-24C
55 <sup>1</sup> / <sub>8</sub> "	54 <sup>5</sup> / <sub>16</sub> "		
		XT45°-4852-24C	XT45°-6052-24C
63 <sup>1</sup> / <sub>8</sub> "	62 <sup>5</sup> / <sub>16</sub> "		
		XT45°-4860-24C	XT45°-6060-24C
69 <sup>1</sup> / <sub>8</sub> "	68 <sup>5</sup> / <sub>16</sub> "		
		XT45°-4866-24C	XT45°-6066-24C
75 <sup>1</sup> / <sub>8</sub> "	74 <sup>5</sup> / <sub>16</sub> "		
		XT45°-4872-24C	XT45°-6072-24C

Callout indicates bay angle, size of center window, and width of flankers expressed in inches.

Grid patterns: See casement size charts on pages 27 and 28.

\* Denotes size of twin casement.

PROJECTION		18 <sup>3</sup> / <sub>8</sub> "	18 <sup>3</sup> / <sub>8</sub> "	18 <sup>3</sup> / <sub>8</sub> "	18 <sup>3</sup> / <sub>8</sub> "
ROUGH OPENING		79 <sup>1</sup> / <sub>2</sub> "	87 <sup>1</sup> / <sub>2</sub> "	87 <sup>1</sup> / <sub>2</sub> "	99 <sup>1</sup> / <sub>2</sub> "
OVERALL UNIT SIZE		79"	87"	87"	99"
51 <sup>1</sup> / <sub>8</sub> "	50 <sup>5</sup> / <sub>16</sub> "				
		XT45°-4048-24DH	XT45°-4848*-24DH	XT45°-4848-24DH	XT45°-6048-24DH
55 <sup>1</sup> / <sub>8</sub> "	54 <sup>5</sup> / <sub>16</sub> "				
		XT45°-4052-24DH	XT45°-4852*-24DH	XT45°-4852-24DH	XT45°-6052-24DH
63 <sup>1</sup> / <sub>8</sub> "	62 <sup>5</sup> / <sub>16</sub> "				
		XT45°-4060-24DH	XT45°-4860*-24DH	XT45°-4860-24DH	XT45°-6060-24DH
69 <sup>1</sup> / <sub>8</sub> "	68 <sup>5</sup> / <sub>16</sub> "				
		XT45°-4066-24DH	XT45°-4866*-24DH	XT45°-4866-24DH	XT45°-6066-24DH
75 <sup>1</sup> / <sub>8</sub> "	74 <sup>5</sup> / <sub>16</sub> "				
		XT45°-4072-24DH	XT45°-4872*-24DH	XT45°-4872-24DH	XT45°-6072-24DH

Callout indicates bay angle, size of center window, and width of flankers expressed in inches.

Grid patterns: See double-hung size charts on pages 15 through 17.

\* Denotes size of twin double-hung.

## STYLE THAT LIGHTS UP A HOME — AFFORDABLY.

Architectural Shapes™ geometric windows from CertainTeed allow builders to add architectural interest to a home — at about half the cost of wood windows. Builders can choose from nearly a dozen shapes, or create custom shapes for a unique look. And they can create striking combinations by using geometrics with other CertainTeed window styles.



**A classic look.** A window wall of extended arches proves there's drama in a traditional look.



**Under the eaves.** A tall window like this fixed extended arch flanked by double-hungs can open up a top floor.



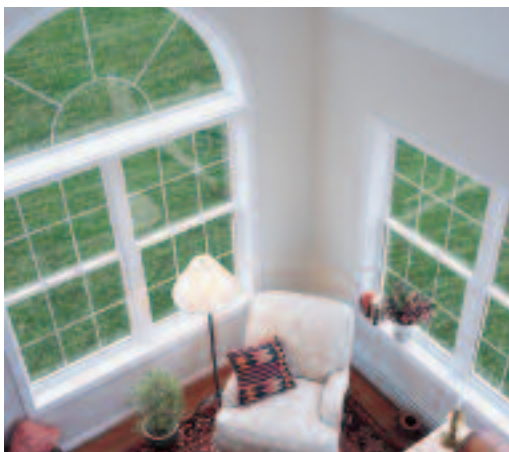
**A unique appeal.** A feature combination, like this half-round flanked by quarter-rounds, can add dramatic personality to a large or small home.

For more information visit  
[www.certainteed.com](http://www.certainteed.com)

# Geometric Windows



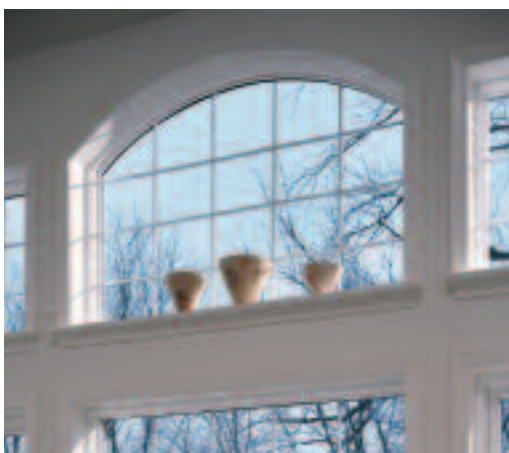




**Dramatic lighting.** The height of this twin single-hung topped with a half-round creates a sense of light and space that makes a small room seem light and airy.



**Custom built shapes.** Any straight-sided shape, like these triangles, can be custom-built to complement and feature a combination or fill a nook.



**A refined look.** The subtle curve of an extended arch can bestow a classic grace on an entire room.



**A romantic accent.** This gothic arch with a two-stem tracery grid pattern turns the room from routine to radiant. One- and two-stem patterns available with flat grids.

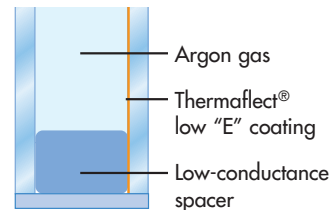
## GEOMETRIC WINDOW FEATURES AND OPTIONS



**Color choices.**  
White or tan.



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



### ENERGY STAR® efficiency.

With CertainTeed's proprietary Thermaflex® 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.



# GEOMETRIC WINDOW SIZES

## Fixed Extended Arch and Eyebrow

CHORD HEIGHT	4 3/8"	5 1/8"	5 7/8"	6 5/8"	7 7/8"	8 1/8"	9"	11 1/4"	13 1/2"	17 13/16"
RADIUS	18"	21"	24"	27"	30"	32"	36"	45"	54"	73"
ROUGH OPENING	24"	28"	32"	36"	40"	44"	48"	60"	72"	96"
UNIT WIDTH	23 1/2"	27 1/2"	31 1/2"	35 1/2"	39 1/2"	43 1/2"	47 1/2"	59 1/2"	71 1/2"	95 1/2"
SERIES SHOULDER HEIGHT (NET)										
A 7 1/8"	XTEB24A♦	XTEB28A♦	XTEB32A♦	XTEB36A♦	XTEB40A♦	XTEB44A♦	XTEB48A♦	XTEB60A♦	XTEB72A♦	XTEB96A
B 19 1/8"	XTEA24B♦	XTEA28B♦	XTEA32B♦	XTEA36B♦	XTEA40B♦	XTEA44B♦	XTEA48B♦	XTEA60B♦	XTEA72B♦	XTEA96B
C 31 1/8"	XTEAR24C♦	XTEAR28C♦	XTEAR32C♦	XTEAR36C♦	XTEAR40C♦	XTEAR44C♦	XTEAR48C♦	XTEAR60C♦	XTEAR72C♦	
D 39 1/8"	XTEAR24D♦	XTEAR28D♦	XTEAR32D♦	XTEAR36D♦	XTEAR40D♦	XTEAR44D♦	XTEAR48D♦	XTEAR60D♦	XTEAR72D♦	
E 43 1/8"	XTEAR24E♦	XTEAR28E♦	XTEAR32E♦	XTEAR36E♦	XTEAR40E♦	XTEAR44E♦	XTEAR48E♦	XTEAR60E♦	XTEAR72E♦	
F 47 1/8"	XTEAR24F♦	XTEAR28F♦	XTEAR32F♦	XTEAR36F♦	XTEAR40F♦	XTEAR44F♦	XTEAR48F♦	XTEAR60F♦	XTEAR72F♦	
G 55 1/8"	XTEAR24G♦	XTEAR28G♦	XTEAR32G♦	XTEAR36G♦	XTEAR40G♦	XTEAR44G♦	XTEAR48G♦	XTEAR60G♦		
H 61 1/8"	XTEAR24H♦	XTEAR28H♦	XTEAR32H♦	XTEAR36H♦	XTEAR40H♦	XTEAR44H♦	XTEAR48H♦	XTEAR60H♦		
J 67 1/8"	XTEAR24J♦	XTEAR28J♦	XTEAR32J♦	XTEAR36J♦	XTEAR40J♦	XTEAR44J♦	XTEAR48J♦			
K 79 1/8"	XTEAR24K♦	XTEAR28K♦	XTEAR32K♦	XTEAR36K♦	XTEAR40K♦	XTEAR44K♦	XTEAR48K♦			
L 91 1/8"	XTEAR24L♦	XTEAR28L♦	XTEAR32L♦	XTEAR36L♦	XTEAR40L♦	XTEAR44L♦				

EYEBROW

FIXED EXTENDED ARCH

### Grid Patterns and Styles

#### Series A: Eyebrow

*Starburst Pattern* — available in sculptured or flat grids between the glass.

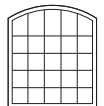


Starburst

#### Series B to L:

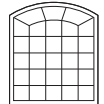
#### Fixed Extended Arch

*Colonial Pattern* — available in sculptured or flat grids between the glass.



Colonial

*Cathedral Pattern* — available in flat grids between the glass.



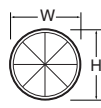


Cathedral

Callout sizes are expressed in inches (width) and equal rough opening.

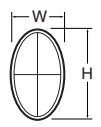
New Castle XT fixed extended arch and eyebrow windows have an interior frame depth of 2" and an exterior projection from the nail fin of 1 3/4".

♦ Meets DP50 rating. Specify DP50 when ordering.

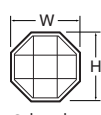
## Circle

		
Sunburst**	Colonial Four Lite*	Colonial Nine Lite*
	Size	Unit Dimensions
	XTCR2424♦	23½" x 23½"
	XTCR3030♦	29½" x 29½"
	XTCR3636♦	35½" x 35½"



## Oval\*

	Size	Unit Dimensions
	XTOV2436♦	23½" x 35½"
	XTOV3656♦	35½" x 55½"
Colonial Four Lite	Oval available without j-channel.	

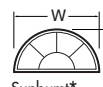



## Octagon\*

	Size	Unit Dimensions
	XTOT2424♦	23½" x 23½"
	XTOT3232♦	31½" x 31½"
	XTOT3636♦	35½" x 35½"
Colonial Nine Lite		

## Half-Oval\*

	
Sunburst	Starburst
Size	Unit Dimensions
XTHO2418♦	23½" x 17½"
XTHO3628♦	35½" x 27½"

## Half-Round

			
Sunburst*	Starburst*	Double Sunburst*	Sunstar**
Size	Unit Dimensions	Size	Unit Dimensions
XTHR2412†♦	23½" x 11¾"	XTHR4422†♦	43½" x 21¾"
XTHR2814†♦	27½" x 13¾"	XTHR4824†♦	47½" x 23¾"
XTHR3015†♦	29½" x 14¾"	XTHR5628♦	55½" x 27¾"
XTHR3216†♦	31½" x 15¾"	XTHR6030♦	59½" x 29¾"
XTHR3618†♦	35½" x 17¾"	XTHR6432♦	63½" x 31¾"
XTHR3719†♦	36½" x 18¾"	XTHR7236♦	71½" x 35¾"
XTHR4020†♦	39½" x 19¾"		

† Grid pattern not available in 48" widths and smaller.

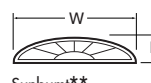


## Quarter-Round\*

Sunburst                      Sunstar                      Starburst

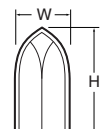

Size (left)	Unit Dimensions	Size (right)	Unit Dimensions
XTQRL2020♦	19½" x 19½"	XTQRR2020♦	19½" x 19½"
XTQRL2424♦	23½" x 23½"	XTQRR2424♦	23½" x 23½"
XTQRL2828♦	27½" x 27½"	XTQRR2828♦	27½" x 27½"
XTQRL3030♦	29½" x 29½"	XTQRR3030♦	29½" x 29½"
XTQRL3232♦	31½" x 31½"	XTQRR3232♦	31½" x 31½"
XTQRL3636♦	35½" x 35½"	XTQRR3636♦	35½" x 35½"

Choose left-hand or right-hand size as viewed from the exterior.

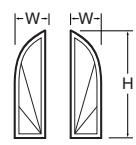
## Elliptical

		
Sunburst**	Sunstar**	Starburst*
	Size	Unit Dimensions
	XTEP6018♦	59½" x 17½"
	XTEP7220♦	71½" x 19½"
	XTEP8420	83½" x 19½"
	XTEP9620	95½" x 19½"
Elliptical available without j-channel.		

## Gothic\*\*

		Size	Unit Dimensions
One Stem Tracery	Two Stem Tracery	XTGO1836♦	17½" x 35½"
		XTGO2040♦	19½" x 39½"
		XTGO2244♦	21½" x 43½"
		XTGO2448♦	23½" x 47½"
		XTGO2856♦	27½" x 55½"
		XTGO3060♦	29½" x 59½"
		XTGO3672♦	35½" x 71½"

## Half-Gothic\*

	Size (left)	Unit Dimensions
	XTHGL1854♦	17½" x 53½"
	XTHGL2260♦	21½" x 59½"
	XTHGL2666♦	25½" x 65½"
	XTHGL2872♦	27½" x 71½"
Starburst	Size (right)	Unit Dimensions
	XTHGR1854♦	17½" x 53½"
	XTHGR2260♦	21½" x 59½"
	XTHGR2666♦	25½" x 65½"
	XTHGR2872♦	27½" x 71½"

Choose left-hand or right-hand size as viewed from the exterior.

## Custom Shapes

Traditional rectangular, trapezoid, parallelogram, and other shapes utilizing fixed frames are available. Installation details are the same as fixed windows.

Callout sizes are expressed in inches (width x height) and equal rough opening.

New Castle XT geometric windows have an interior frame depth of 2" and an exterior projection from the nail fin of 1¾".

\* Sculptured or flat grids between the glass available.

\*\* Available with flat grids between the glass only.

♦ Meets DP50 rating. Specify DP50 when ordering.

## Fixed Extended Arch and Eyebrow — Rough Opening Dimensions

ROUGH OPENING WIDTH	24"	28"	32"	36"	40"	44"	48"	60"	72"	96"
SERIES										
SHOULDER HEIGHT (NET)										
A: 7 ⅞"	24" x 12"	28" x 12 ¾"	32" x 13 ½"	36" x 14 ¼"	40" x 15 ⅙"	44" x 15 ¾"	48" x 16 ⅝"	60" x 18 ⅞"	72" x 21 ⅞"	96" x 25 ⅞"
B: 19 ⅙"	24" x 24"	28" x 24 ¾"	32" x 25 ½"	36" x 26 ¼"	40" x 27 ⅙"	44" x 27 ¾"	48" x 28 ⅝"	60" x 30 ⅞"	72" x 33 ⅞"	96" x 37 ⅞"
C: 31 ⅞"	24" x 36"	28" x 36 ¾"	32" x 37 ½"	36" x 38 ¼"	40" x 39 ⅙"	44" x 39 ¾"	48" x 40 ⅝"	60" x 42 ⅞"	72" x 45 ⅞"	
D: 39 ⅞"	24" x 44"	28" x 44 ¾"	32" x 45 ½"	36" x 46 ¼"	40" x 47 ⅙"	44" x 47 ¾"	48" x 48 ⅝"	60" x 50 ⅞"	72" x 53 ⅞"	
E: 43 ⅞"	24" x 48"	28" x 48 ¾"	32" x 49 ½"	36" x 50 ¼"	40" x 51 ⅙"	44" x 51 ¾"	48" x 52 ⅝"	60" x 54 ⅞"	72" x 57 ⅞"	
F: 47 ⅞"	24" x 52"	28" x 52 ¾"	32" x 53 ½"	36" x 54 ¼"	40" x 55 ⅙"	44" x 55 ¾"	48" x 56 ⅝"	60" x 58 ⅞"	72" x 61 ⅞"	
G: 55 ⅞"	24" x 60"	28" x 60 ¾"	32" x 61 ½"	36" x 62 ¼"	40" x 63 ⅙"	44" x 63 ¾"	48" x 64 ⅝"	60" x 66 ⅞"		
H: 61 ⅞"	24" x 66"	28" x 66 ¾"	32" x 67 ½"	36" x 68 ¼"	40" x 69 ⅙"	44" x 69 ¾"	48" x 70 ⅝"	60" x 72 ⅞"		
J: 67 ⅞"	24" x 72"	28" x 72 ¾"	32" x 73 ½"	36" x 74 ¼"	40" x 75 ⅙"	44" x 75 ¾"	48" x 76 ⅝"			
K: 79 ⅞"	24" x 84"	28" x 84 ¾"	32" x 85 ½"	36" x 86 ¼"	40" x 87 ⅙"	44" x 87 ¾"	48" x 88 ⅝"			
L: 91 ⅞"	24" x 96"	28" x 96 ¾"	32" x 97 ½"	36" x 98 ¼"	40" x 99 ⅙"	44" x 99 ¾"				

FIXED EXTENDED ARCH

EYEBROW

Width x height expressed in inches.

Rough opening height equals shoulder height plus chord height plus ½".