

CASEMENT & AWNING WINDOWS

400 Series
 Casement &
 Awning Windows



The rich wood interior of casement and awning windows adds beauty and charm to any home, and their slender sash help bring the outdoors inside.

**New Diamond
 Grille Patterns**
 See page 30

Section Reference

Casement

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Andersen® casement and awning units can be ordered as double and triple units with a single exterior frame skin for an attractive, seamless exterior appearance and jobsite convenience.

CASEMENT & AWNING WINDOWS

Features

FRAME

A A seamless one-piece, pre-formed rigid vinyl frame cover is secured to the exterior of the frame to maintain an attractive appearance while minimizing maintenance.

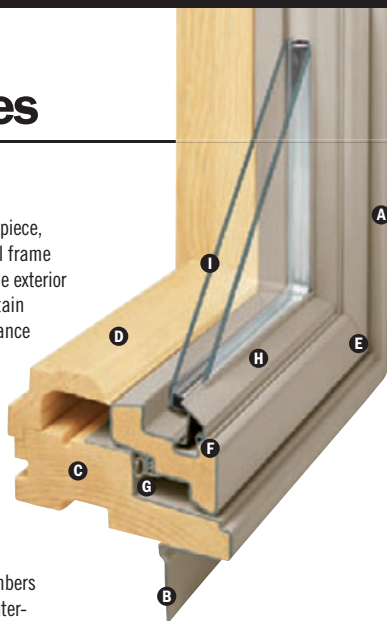
B The full perimeter installation flange is seamless and integrated with the exterior of the frame.

C Wood frame members are treated with a water-repellent wood preservative for long-lasting* protection and performance.

D Interior stops are unfinished pine. Low-maintenance prefinished white interiors are also available.

SASH

E Rigid vinyl (PVC) encases the entire sash—a vinyl weld protects each sash corner for superior weathertightness to maintain an attractive appearance and minimize maintenance.



F Wood core members provide excellent structural stability and energy efficiency.

G Flexible bulb weatherstripping or PVC closed-cell foam weatherstripping is factory-installed on the perimeter of the sash.



GLASS

H A rigid vinyl or CPVC glazing bead features a flexible lip that, combined with silicone glazing, provides increased weathertightness.



I High-performance™ glass options include:

- Low-E4® glass
- Low-E4® SmartSun™ glass
- Low-E4® Sun glass

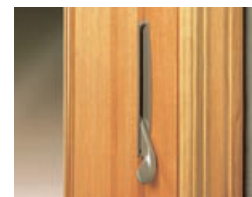
Tempered glass and other glass options are available. Contact your Andersen supplier. (Glass option must be specified.)

HARDWARE



Smooth Control™ Hardware System

The Smooth Control™ hardware system employs a worm gear drive for easy operation. The split-arm operator moves the sash away from the frame to provide for easier glass cleaning. (Hardware option and finish must be specified.) CXW15, CXW155, CXW16 and CXW25 units are not available with split-arm hardware. Handle and cover sold separately.



Single-Actuation Casement Lock

A single-actuation lock releases the casement sash easily while the “reach-out” action eliminates binding when closing. The lock handle is offered in finishes that coordinate with your specified hardware option.



Awning Sash Locks

Awning sash locks provide an added measure of security and weathertightness. Hardware style and finish options are compatible with Andersen casement windows to ensure consistency in appearance when used in combination designs.

* For complete information on our limited warranties, visit andersenwindows.com or contact your Andersen supplier.

Exterior

Specify a unit exterior option and an interior option to complete your order.



Hardware

Sold Separately.

Interior



Naturally occurring variations in grain, color and texture make each window one-of-a-kind.

Estate™ Hardware



Made of solid brass. Available with bright brass, antique brass, polished chrome, brushed chrome, satin nickel, oil rubbed bronze, distressed nickel and distressed bronze finishes.

Folding Hardware

Folding handles avoid interference with window treatments.

NEW FINISHES



Contemporary

Available in bright brass, satin nickel, oil rubbed bronze, white or stone finish.



Traditional

Available in bright brass, antique brass, satin nickel, oil rubbed bronze, white or stone finish.

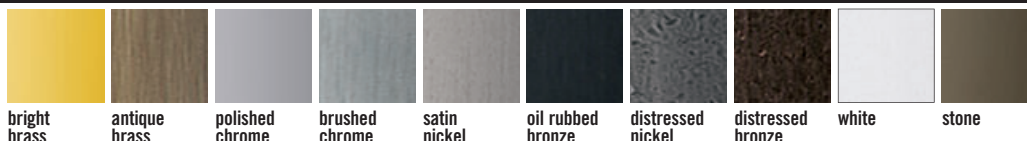
Classic Series™ Hardware



Available in white or stone finish.

Bold names denote finish shown.

Hardware Finishes



Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.

Accessories

Sold Separately.

PATTERNED GLASS

Patterned glass options are available. See page 6 for more details.

PERFORMANCE GRADE (PG) UPGRADE

Performance upgrades are available for awning units, allowing them to achieve PG 60 performance. This upgrade is available on units 4'-11 7/8" wide by 2'-7 1/2" high and smaller. Performance Grade Ratings replace Design Pressure Ratings for measuring product performance. See page 245. Contact your Andersen supplier for availability.

StormWATCH[®] PROTECTION



Casement and awning windows are available with

Stormwatch[®] protection. For a copy of the Andersen[®] Coastal Product Guide, contact your Andersen supplier.

FRAME



Extension Jambs

Standard casement/awning jamb depth is 2 7/8" (73). Extension jambs are available for a variety of wall depths. Some sizes may be pine veneer.

Non-Applied Extension Jambs

Pine extension jambs are available for the following wall thicknesses:

- 4 9/16" (116)
- 5 1/4" (133)
- 6 9/16" (167)
- 7 1/8" (181)

All sizes are available unfinished, or choose low-maintenance painted or vinyl-wrapped white options.

Factory-Applied Extension Jambs

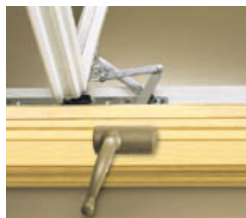
Available in 4 9/16" (116) and 6 9/16" (167) sizes. They can be applied to either three sides (stool and apron applications) or four sides (picture frame casing).



Narrow Drywall Return Bead

A narrow drywall return bead is available for units ordered with prefinished white interiors. Can be ordered factory-applied or in non-applied lineals.

HARDWARE



Corrosion-Resistant Components

Corrosion-resistant hinge and operator arm hardware kit made with high-quality stainless steel. For harsh and corrosive environment applications such as heavy industrial or coastal areas.*

SPECIAL USE OPERATORS

Available in Classic Series[™] design only.



Compact Operator Handle

Specially designed for use in situations where blinds or other window treatments interfere with standard operator handle. Available in white or stone finish.



Easy-Grip Handle

Larger knob makes it easier to grip and operate. Available in white or stone finish.



Metal T-Handle

Our smallest operator handle, the Metal T-handle, may make it more difficult for young children (5 and under) to open the window.

For more information on child safety, write:

Andersen Corporation
LookOut for Kids[®] Program
100 Fourth Avenue North
Bayport, MN 55003

Call 1-800-313-8889 or email us at:
lofk@andersen-corp.com



Operator Spline Cover

An operator spline cover is an attractive cap that covers the roto operator stud when the handle has been removed to control access or operation of the window. Operator spline cover should not be used on any window designated or intended for emergency escape or rescue. Please consult your local building code official for local egress code requirements.



Power Window Operator

The new Andersen power window, with its concealed operator and battery back-up system, operates up to four windows. A rain sensor automatically closes windows during a storm. A wireless remote control is available. Easy to install, the operator is commonly used for hard-to-reach installations. For awning windows only.

When ordered with the window, power operators are pre-assembled for easy jobsite installation. The unit is designed to operate without sash locks. Not available on units with PG upgrade.

The control system includes power box, high-capacity back-up battery and battery cover, wall-mounted key pad and bracket, and installation guide. Contact your Andersen supplier for availability.

GLASS

Andersen[®] Art Glass

Andersen art glass panels come in eleven original patterns, including four Frank Lloyd Wright[®] Series designs. See page 123 for details on Andersen art glass or visit andersenwindows.com/artglass for pattern information.

"Frank Lloyd Wright" is a registered trademark of the Frank Lloyd Wright Foundation.

INSECT SCREENS



EXCLUSIVE

TruScene[®] Insect Screen

TruScene insect screens are made with a micro-fine stainless steel mesh that's one-third the diameter of our aluminum screen wire. They provide over 50% more clarity than our conventional insect screens. They also let more sunlight and fresh air into the home. For casement and awning windows, they are available with stone- or white-colored frames or with pine screen frame interiors to blend with the wood interior of the window.

Conventional Insect Screen

Conventional insect screens have charcoal powder-coated aluminum screen cloth. Available with frames in white or stone.

* For complete information on our limited warranties, visit andersenwindows.com or contact your Andersen supplier.

CAUTION:

- Painting and staining may cause damage to rigid vinyl.
- Products in Sandtone or Terratone[®] color may be painted any color lighter than Terratone using quality oil-base or latex paint. Submit color samples to Andersen for approval when painting White. Submit color samples to Andersen for approval when painting Sandtone or Terratone any color darker than Terratone.
- Do not paint Forest Green exteriors.
- Creosote-based stains should not come in contact with Andersen products.
- Do not paint weatherstripping.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.
- For vinyl painting instructions and preparation, contact your Andersen supplier.
- Andersen does not warrant the adhesion of paint to vinyl.








































































































































For more information about glass, patterned glass, art glass, grilles, TruScene[®] insect screen and installation accessories, see page 4-14 or visit
























 andersenwindows.com

CASEMENT & AWNING WINDOWS

Alignment Grid For – Casement, Awning, Picture, Transom & Specialty Units

Unit dimension widths and heights shown. See individual sections for complete dimensional information.

| | 1'-5" | 1'-8 1/2" | 2'-0 1/8" | 2'-4 3/8" | 2'-7 1/2" | 2'-11 15/16" | 2'-9 3/4" | 3'-4 3/4" | 4'-0" | 4'-8 1/2" | 5'-2 3/4" | 5'-11 5/8" | 5'-1" | 5'-11 7/8" | 7'-0 5/8" |
|--|---|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| SPECIALTY See the Specialty window section starting on page 101 for more shapes and sizes. | |     |     | |     | | | |    |    |  | | |  | |
| AWNING - SINGLES (see page 22) | |     |     |     |     | | | |     |     |     |     | |     |     |
| AWNING - DOUBLES (see page 23) | | | | | | | | | |    |   | | | |  |
| AWNING - TRIPLES (see page 23) | | | | | | | | | | | | | | | |
| TRANSOM (see pages 20 - 24) |  CTR 1510 |  CTR 1810 |  CTR 2010 |  CTR 2410 |  CTR 2810 |  CTR 3010 |  CTR2910 |  CTR3410 |  CTR4010 |  CTR4810 |  CTR5210 |  CTR51110 |  CTR5110 |  CTR6010 |  CTR7010 |
| CASEMENT - SINGLES (see page 20) |  CR12 |  CN12 |  C12 |  CW12 |  CX125 | | | | | | | | | | |
| CASEMENT - DOUBLES (see page 20) |  CR125 |  CN125 |  C125 |  CW125 |  CX125 | | | | | | | | | | |
| CASEMENT - TRIPLES (see page 21) |  CR13 |  CN13 |  C13 |  CW13 |  CX13 |  CXW13 |  CR23 |  CN23 |  C23 |  CW23 |  CX23 |  CXW23 |  CN33 |  C33 |  CW33 |
| |  CR135 |  CN135 |  C135 |  CW135 |  CX135 |  CXW135 |  CR235 |  CN235 |  C235 |  CW235 |  CX235 |  CXW235 |  CN335 |  C335 |  CW335 |
| |  CR14 |  CN14 |  C14 |  CW14 |  CX14 |  CXW14 |  CR24 |  CN24 |  C24 |  CW24 |  CX24 |  CXW24 |  CN34 |  C34 |  CW34 |
| |  CR145 |  CN145 |  C145 |  CW145 |  CX145 |  CXW145 |  CR245 |  CN245 |  C245 |  CW245 |  CX245 |  CXW245 |  CN345 |  C345 |  CW345 |
| |  CR15 |  CN15 |  C15 |  CW15 |  CX15 |  CXW15 |  CR25 |  CN25 |  C25 |  CW25 |  CX25 |  CXW25 |  CN35 |  C35 |  CW35 |
| |  CR155 |  CN155 |  C155 |  CW155 |  CX155 |  CXW155 |  CR255 |  CN255 |  C255 |  CW255 | | | | | |
| |  CR16 |  CN16 |  C16 |  CW16 |  CX16 |  CXW16 |  CR26 |  CN26 |  C26 |  CW26 | | | | | |



































































































| 2'-11 15/16" | 3'-4 13/16" | 4'-0" | 4'-4 13/16" | 4'-11 7/8" | 5'-4 13/16" | 5'-11 7/8" | 2'-0 1/8" | 2'-11 15/16" | 2'-11 15/16" | 2'-11 15/16" | 3'-4 13/16" | 4'-0" |
|--|--|--|--|--|--|--|--|---|--|--|--|--|
|  CTQA3 | |  AFC206 AFC21 | | | |  CTC3 |  AFC106 AFC11 |  AFCP3006 AFCP301 |  AFCP3006 AFCP301 |  AFCP3006 AFCP301 | |  AFC206 AFC21 |
|  CTCXW1 | |  CTC2 | | | | |  CTC1 |  CTCXW1 |  CTCXW1 |  CTCXW1 | |  CTC2 |
| AWNING - SINGLES (see page 22) | | | | | | | | | | | | |
|  AR31 |  AR351 |  AR41 |  AR451 |  AR51 |  AR551 |  AR61 | | | | | | |
|  AN31 |  AN351 |  AN41 |  AN451 |  AN51 |  AN551 |  AN61 | | | | | | |
|  A31 |  A351 |  A41 |  A451 |  A51 |  A551 |  A61 | | | | | | |
|  AW31 |  AW351 |  AW41 |  AW451 |  AW51 |  AW551 |  AW61 | | | | | | |
|  AX31 |  AX351 |  AX41 |  AX451 |  AX51 |  AX551 |  AX61 | | | | | | |
|  AXW31 |  AXW351 |  AXW41 |  AXW451 |  AXW51 |  AXW551 |  AXW61 | | | | | | |
|  A335 |  A3535 | | | | | | | | | | | |
|  PTR3010 |  PTR3510 |  PTR4010 |  PTR4510 |  PTR5010 |  PTR5510 |  PTR6010 | | | | | | |
| FIXED PICTURE (see page 24) | | | | | | | AWNING (see page 23) | | | | | |
|  P3030 |  P3530 |  P4030 |  P4530 |  P5030 |  P5530 |  P6030 | | | | | | |
|  P3035 |  P3535 |  P4035 |  P4535 |  P5035 |  P5535 |  P6035 | | | | | | |
|  P3040 |  P3540 |  P4040 |  P4540 |  P5040 |  P5540 |  P6040 |  A212 |  A312 | |  AP32V |  AP352V |  AP42V |
|  P3045 |  P3545 |  P4045 |  P4545 |  P5045 |  P5545 |  P6045 | | | | | | |
|  P3050 |  P3550 |  P4050 |  P4550 |  P5050 |  P5550 |  P6050 | |  PA3050* | | |  PA3550* | |
|  P3055 |  P3555 |  P4055 |  P4555 |  P5055 | | | | | | | | |
|  P3060 |  P3560 |  P4060 |  P4560 |  P5060 | | |  A213 |  PA3060 |  AXW312* |  A313 |  PA3560 |  PA4060 |

* Unit dimension height for PA3050 & PA3550 is 4'-11 13/16"

* Unit dimension height for AXW312 is 5'-11 5/8"

CASEMENT & AWNING WINDOWS

Table of Basic Casement Unit Sizes Scale 1/8" = 1'-0" (1:96)

| Unit Dimension | <div><div>1'-5"</div><div>(432)</div></div> | <div><div>1'-8 1/2"</div><div>(521)</div></div> | <div><div>2'-0 1/8"</div><div>(613)</div></div> | <div><div>2'-4 3/8"</div><div>(721)</div></div> | <div><div>2'-7 1/2"</div><div>(800)</div></div> | <div><div>2'-11 15/16"</div><div>(913)</div></div> | <div><div>2'-9 3/4"</div><div>(857)</div></div> | <div><div>3'-4 3/4"</div><div>(1035)</div></div> | <div><div>4'-0"</div><div>(1219)</div></div> | <div><div>4'-8 1/2"</div><div>(1435)</div></div> |
|---------------------------------------|---|---|---|---|---|--|---|---|---|--|
| Minimum Rough Opening | <div><div>1'-5 1/2"</div><div>(445)</div></div> | <div><div>1'-9"</div><div>(533)</div></div> | <div><div>2'-0 5/8"</div><div>(625)</div></div> | <div><div>2'-4 7/8"</div><div>(733)</div></div> | <div><div>2'-8"</div><div>(813)</div></div> | <div><div>3'-0 1/2"</div><div>(927)</div></div> | <div><div>2'-10 1/4"</div><div>(870)</div></div> | <div><div>3'-5 1/4"</div><div>(1048)</div></div> | <div><div>4'-0 1/2"</div><div>(1232)</div></div> | <div><div>4'-9"</div><div>(1448)</div></div> |
| Unobstructed Glass* | <div><div>12 5/8"</div><div>(321)</div></div> | <div><div>16 1/8"</div><div>(410)</div></div> | <div><div>19 3/4"</div><div>(502)</div></div> | <div><div>24"</div><div>(610)</div></div> | <div><div>27 1/8"</div><div>(689)</div></div> | <div><div>31 9/16"</div><div>(802)</div></div> | <div><div>12 5/8"</div><div>(321)</div></div> | <div><div>16 1/8"</div><div>(410)</div></div> | <div><div>19 3/4"</div><div>(502)</div></div> | <div><div>24"</div><div>(610)</div></div> |
| Unobstructed Glass Transom Units Only | <div><div>12 3/16"</div><div>(310)</div></div> | <div><div>15 11/16"</div><div>(398)</div></div> | <div><div>19 5/16"</div><div>(491)</div></div> | <div><div>23 9/16"</div><div>(599)</div></div> | <div><div>26 11/16"</div><div>(678)</div></div> | <div><div>31 1/8"</div><div>(791)</div></div> | <div><div>28 15/16"</div><div>(735)</div></div> | <div><div>35 15/16"</div><div>(913)</div></div> | <div><div>43 3/16"</div><div>(1097)</div></div> | <div><div>51 11/16"</div><div>(1313)</div></div> |
| 1'-0" | <div><div></div><div>CTR1510 †</div></div> | <div><div></div><div>CTR1810 †</div></div> | <div><div></div><div>CTR2010 †</div></div> | <div><div></div><div>CTR2410 †</div></div> | <div><div></div><div>CTR2810 †</div></div> | <div><div></div><div>CTR3010 †</div></div> | <div><div></div><div>CTR2910 †</div></div> | <div><div></div><div>CTR3410 †</div></div> | <div><div></div><div>CTR4010 †</div></div> | <div><div></div><div>CTR4810 †</div></div> |
| 1'-0" | | | | | | | <div><div></div><div>CTR21810</div></div> | <div><div></div><div>CTR22010</div></div> | <div><div></div><div>CTR22410</div></div> | |
| 2'-0 1/8" | <div><div></div><div>CR12</div></div> | <div><div></div><div>CN12</div></div> | <div><div></div><div>C12</div></div> | <div><div></div><div>CW12</div></div> | | | <div><div></div><div>CN22</div></div> | <div><div></div><div>C22</div></div> | <div><div></div><div>CW22</div></div> | |
| 2'-4 3/8" | <div><div></div><div>CR125</div></div> | <div><div></div><div>CN125</div></div> | <div><div></div><div>C125</div></div> | <div><div></div><div>CW125</div></div> | <div><div></div><div>CX125</div></div> | | <div><div></div><div>CN225</div></div> | <div><div></div><div>C225</div></div> | <div><div></div><div>CW225</div></div> | |
| 2'-11 15/16" | <div><div></div><div>CR13</div></div> | <div><div></div><div>CN13</div></div> | <div><div></div><div>C13</div></div> | <div><div></div><div>CW13</div></div> | <div><div></div><div>CX13</div></div> | <div><div></div><div>CXW13</div></div> | <div><div></div><div>CR23</div></div> | <div><div></div><div>CN23</div></div> | <div><div></div><div>C23</div></div> | <div><div></div><div>CW23</div></div> |
| 3'-4 13/16" | <div><div></div><div>CR135</div></div> | <div><div></div><div>CN135</div></div> | <div><div></div><div>C135</div></div> | <div><div></div><div>CW135 †</div></div> | <div><div></div><div>CX135** †</div></div> | <div><div></div><div>CXW135 †</div></div> | <div><div></div><div>CR235</div></div> | <div><div></div><div>CN235</div></div> | <div><div></div><div>C235</div></div> | <div><div></div><div>CW235 †</div></div> |
| 4'-0" | <div><div></div><div>CR14</div></div> | <div><div></div><div>CN14</div></div> | <div><div></div><div>C14</div></div> | <div><div></div><div>CW14 †</div></div> | <div><div></div><div>CX14 †</div></div> | <div><div></div><div>CXW14 †</div></div> | <div><div></div><div>CR24</div></div> | <div><div></div><div>CN24</div></div> | <div><div></div><div>C24</div></div> | <div><div></div><div>CW24 †</div></div> |
| 4'-4 13/16" | <div><div></div><div>CR145</div></div> | <div><div></div><div>CN145</div></div> | <div><div></div><div>C145</div></div> | <div><div></div><div>CW145 †</div></div> | <div><div></div><div>CX145 †</div></div> | <div><div></div><div>CXW145 †</div></div> | <div><div></div><div>CR245</div></div> | <div><div></div><div>CN245</div></div> | <div><div></div><div>C245</div></div> | <div><div></div><div>CW245 †</div></div> |
| 4'-11 7/8" | <div><div></div><div>CR15</div></div> | <div><div></div><div>CN15</div></div> | <div><div></div><div>C15</div></div> | <div><div></div><div>CW15 †</div></div> | <div><div></div><div>CX15 †</div></div> | <div><div></div><div>CXW15** †</div></div> | <div><div></div><div>CR25</div></div> | <div><div></div><div>CN25</div></div> | <div><div></div><div>C25</div></div> | <div><div></div><div>CW25 †</div></div> |
| 5'-4 15/16" | <div><div></div><div>CR155</div></div> | <div><div></div><div>CN155</div></div> | <div><div></div><div>C155</div></div> | <div><div></div><div>CW155 †</div></div> | <div><div></div><div>CX155 †</div></div> | <div><div></div><div>CXW155** †</div></div> | <div><div></div><div>CR255</div></div> | <div><div></div><div>CN255</div></div> | <div><div></div><div>C255</div></div> | <div><div></div><div>CW255 †</div></div> |
| 5'-11 7/8" | <div><div></div><div>CR16</div></div> | <div><div></div><div>CN16</div></div> | <div><div></div><div>C16</div></div> | <div><div></div><div>CW16 †</div></div> | <div><div></div><div>CX16 †</div></div> | <div><div></div><div>CXW16** †</div></div> | <div><div></div><div>CR26</div></div> | <div><div></div><div>CN26</div></div> | <div><div></div><div>C26</div></div> | <div><div></div><div>CW26 †</div></div> |

CTR (transom) units are non-venting.

* "Unobstructed Glass" measurement is for single sash only.

** These units have straight arm operators, see opening specifications.

† CW series units (except CW2, CW25 and CW3 height) open to 20" clear opening width using sill hinge control bracket. Bracket can be pivoted allowing for cleaning position. CW series units are also available with a 22" clear opening width.

‡ Andersen® art glass panels are available for these units by special order only. Contact your Andersen® supplier. Panels are available for all other units on this page through normal ordering process. Visit andersenwindows.com/artglass for patterns.

◆ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24", when appropriate hardware (straight arm or split arm) is specified.
















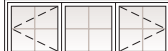
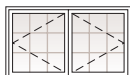
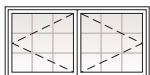
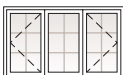
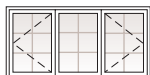

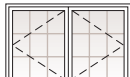
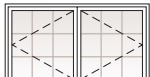
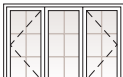
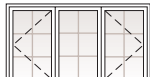

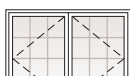

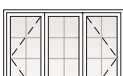
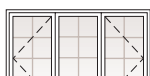





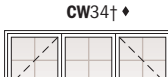





• Casement transom units (CTR) may be rotated to be used as a casement or awning sidelight.

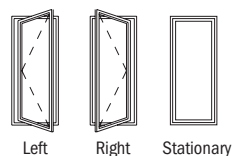
• Rough opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 13 for more details.

• "Unit Dimension" always refers to outside frame to frame dimension.

• Dimensions in parentheses are in millimeters.

• When ordering, be sure to specify color desired: White, Sandtone, Terratone® or Forest Green.

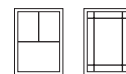
| | | | | |
|---|---|---|---|--|
| 5'-2 3/4" (1594) | 5'-11 5/8" (1819) | 5'-1" (1549) | 5'-11 7/8" (1826) | 7'-0 5/8" (2149) |
| 5'-3 1/4" (1607) | 6'-0 1/8" (1832) | 5'-1 1/2" (1562) | 6'-0 3/8" (1838) | 7'-1 1/8" (2162) |
| 27 1/8" (689) | 31 9/16" (802) | 16 1/8" (410) | 19 3/4" (502) | 24" (610) |
| 57 15/16" (1472) | 66 13/16" (1697) | 56 3/16" (1427) | 67 1/16" (1703) | 79 13/16" (2027) |
|  CTR5210 ‡ |  CTR51110 ‡ |  CTR5110 ‡ |  CTR6010 ‡ |  CTR7010 ‡ |
|  CTR22810 |  CTR23010 |  CTR31810 |  CTR32010 |  CTR32410 |
| | |  CN32 |  C32 |  CW32 |
| | |  CN325 |  C325 |  CW325 |
|  CX23 |  CXW23 |  CN33 |  C33 |  CW33 |
|  CX235** ♦ |  CXW235 ♦ |  CN335 |  C335 |  CW335† ♦ |
|  CX24 ♦ |  CXW24 ♦ |  CN34 |  C34 |  CW34† ♦ |
|  CX245 ♦ |  CXW245 ♦ |  CN345 |  C345 |  CW345† ♦ |
|  CX25 ♦ |  CXW25** ♦ |  CN35 |  C35 |  CW35† ♦ |



Venting Configuration

Hinging shown on size table is standard. Specify left, right or stationary, as viewed from the outside. For other hinging of multiple units, contact your local supplier.

NOTE: Floor to sill heights are calculated based upon a structural header height of 6'-10 1/2".



Divided Light Patterns

In addition to the Colonial grille patterns shown in the table of basic unit sizes, other standard divided light patterns are available. Not all grille patterns are available in all configurations. See page 30, visit andersenwindows.com/grilles, or contact your Andersen® supplier.



Compatible Specialty Windows

To find compatible Circle Top™ arch and other shaped windows, see the Specialty Window section beginning on page 101 and the Andersen Architectural section beginning on page 157 or visit andersenwindows.com.



Product Details

See pages 33 and 34.

Joining - Casement, Awning and Picture Windows

Consult a professional when joining windows.

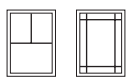
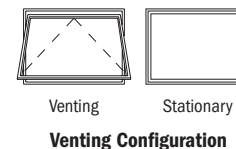
The similar jamb configurations of Andersen® casement, awning and picture windows enables them to be combined in an almost infinite number of window combinations. To view some of these possibilities, log on to andersenwindows.com/400casementcombos or andersenwindows.com/400awningcombos.

CASEMENT & AWNING WINDOWS

Table of Basic Awning Unit Sizes Scale 1/8" = 1'-0" (1:96)

| Unit Dimension | 2'-0 1/8" | 2'-4 3/8" | 2'-7 1/2" | 2'-11 15/16" | 3'-4 13/16" | 4'-0" | 4'-4 13/16" | 4'-11 7/8" | 5'-4 13/16" | 5'-11 7/8" |
|------------------------------|-----------|-----------|-----------|--------------|-------------|-----------|-------------|------------|-------------|------------|
| | (613) | (721) | (800) | (913) | (1037) | (1219) | (1341) | (1521) | (1646) | (1826) |
| Minimum Rough Opening | 2'-0 5/8" | 2'-4 7/8" | 2'-8" | 3'-0 1/2" | 3'-5 3/8" | 4'-0 1/2" | 4'-5 3/8" | 5'-0 3/8" | 5'-5 3/8" | 6'-0 3/8" |
| | (625) | (733) | (813) | (927) | (1051) | (1232) | (1356) | (1534) | (1660) | (1838) |
| Unobstructed Glass | 19 5/16" | 23 9/16" | 27 1/8" | 31 1/8" | 36" | 43 3/16" | 48" | 55 1/16" | 60" | 67 1/16" |
| | (491) | (598) | (689) | (791) | (914) | (1097) | (1219) | (1399) | (1524) | (1703) |
| 1'-5" | | | | | | | | | | |
| | AR21 | AR251 | AR281 † | AR31 | AR351 | AR41 | AR451 | AR51 | AR551 | AR61 |
| 1'-8 1/2" | | | | | | | | | | |
| | AN21 | AN251 | AN281 † | AN31 | AN351 | AN41 | AN451 | AN51 | AN551 | AN61 |
| 2'-0 1/8" | | | | | | | | | | |
| | A21 | A251 | A281 † | A31 | A351 | A41 | A451 | A51 | A551 | A61 |
| 2'-4 3/8" | | | | | | | | | | |
| | AW21 | AW251 | AW281 † | AW31 | AW351 | AW41 | AW451 | AW51 | AW551 | AW61 |
| 2'-7 1/2" | | | | | | | | | | |
| | | AX251 | AX281 † | AX31 | AX351 | AX41 | AX451 | AX51 | AX551 | AX61 |
| 2'-11 15/16" | | | | | | | | | | |
| | | | AXW281 † | AXW31 | AXW351 | AXW41 | AXW451 | AXW51 | AXW551 | AXW61 |
| 3'-4 3/4" | | | | | | | | | | |
| | | | | A335 * | A3535 | | | | | |
| 4'-0" | | | | | | | | | | |
| | AP32V | AP352V | AP42V | | | | | | | |

Andersen® art glass panels not available for these units.



Divided Light Patterns

In addition to the Colonial grille patterns shown in the Table of Basic Unit Sizes, other standard divided light patterns are available. Not all grille patterns are available in all configurations. See page 30, visit andersenwindows.com/grilles, or contact your Andersen® supplier.



Compatible Specialty Windows

To find compatible Circle Top™ arch and other shaped windows, see the specialty window section beginning on page 101 and the Andersen architectural section beginning on page 157.



Product Details

See pages 33 and 34.

† Andersen® art glass panels are available for these units by special order only. Contact your Andersen® supplier. Panels are available for all other units on this page, except where noted, through normal ordering process. Visit andersenwindows.com/artglass for patterns.

• Rough opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 13 for more details.

• Dashed lines on size tables indicate hinging (also available as stationary units).

• Stationary units are available as venting units by special order. Some restrictions may apply. Contact your local Andersen® Supplier.


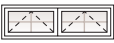



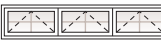


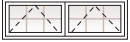


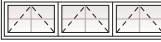


















• "Unit Dimension" always refers to outside frame to frame dimension.










• Dimensions in parentheses are in millimeters.

• When ordering, be sure to specify color desired: White, Sandtone, Terratone® or Forest Green.

* The maximum clear opening of the A335 unit in normal operation is 6 1/8". The operator can be detached from the sash of the A335 unit to obtain a clear opening of 26 5/8".

Table of Basic Awning Unit Sizes Scale 1/8" = 1'-0" (1:96)

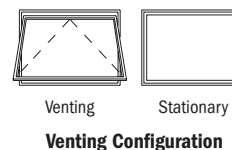
| Unit Dimension | 4'-0" | 4'-8 1/2" | 5'-2 3/4" | 5'-11 5/8" | 5'-11 7/8" | 7'-0 5/8" |
|------------------------------|---|---|---|---|--|---|
| Minimum Rough Opening | 4'-0 1/2" (1232) | 4'-9" (1448) | 5'-3 1/4" (1607) | 6'-0 1/8" (1832) | 6'-0 3/8" (1838) | 7'-1 1/8" (2162) |
| Unobstructed Glass* | 19 5/16" (491) | 23 9/16" (598) | 27 1/8" (689) | 31 1/8" (791) | 19 5/16" (491) | 23 9/16" (598) |
| 1'-5" (432) |  |  |  |  |  |  |
| 1'-8 1/2" (521) |  |  |  |  |  |  |
| 2'-0 1/8" (613) |  |  |  |  |  |  |
| 2'-4 3/8" (721) |  |  |  |  |  |  |
| 2'-7 1/2" (800) | |  |  |  | |  |
| 2'-11 15/16" (913) | | |  |  | | |

| Unit Dimension | 2'-0 1/8" | 2'-11 15/16" | 2'-11 15/16" | 2'-11 15/16" | 3'-4 13/16" | 4'-0" |
|------------------------------|---|---|---|---|---|---|
| Minimum Rough Opening | 2'-0 5/8" (625) | 3'-0 1/2" (927) | 3'-0 1/2" (927) | 3'-0 1/2" (927) | 3'-5 3/8" (1051) | 4'-0 1/2" (1232) |
| 4'-0" (1219) |  |  | | | | |
| 4'-11 13/16" (1519) | |  | | | | |
| 5'-11 7/8" (1826) |  |  |  |  |  |  |

* Unit dimension height for AXW312 is 5'-11 5/8"

























































* Unobstructed glass width is for single sash only.

- Rough opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 13 for more details.
- Dashed lines on size tables indicate hinging (also available as stationary units).
- Stationary units are available as venting units by special order. Some restrictions may apply. Contact your local Andersen® Supplier.
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.
- When ordering, be sure to specify color desired: White, Sandtone, Terratone® or Forest Green.

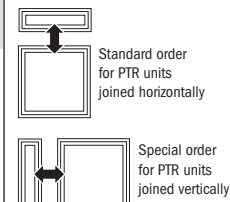


CASEMENT & AWNING WINDOWS

Table of Picture Unit Sizes Scale 1/8" = 1'-0" (1:96)

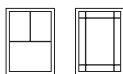
| Unit Dimension | 2'-11 15/16" | 3'-4 13/16" | 4'-0" | 4'-4 13/16" | 4'-11 7/8" | 5'-4 13/16" | 5'-11 7/8" |
|------------------------------|---|---|---|---|---|---|---|
| Minimum Rough Opening | 3'-0 1/2" (927) | 3'-5 3/8" (1051) | 4'-0 1/2" (1232) | 4'-5 3/8" (1356) | 5'-0 3/8" (1534) | 5'-5 3/8" (1660) | 6'-0 3/8" (1838) |
| Unobstructed Glass | 31 1/8" (791) | 36" (914) | 43 3/16" (1097) | 48" (1219) | 55 1/16" (1399) | 60" (1524) | 67 1/16" (1703) |
| 1'-0" (305) |  |  |  |  |  |  |  |
| 2'-11 15/16" (913) |  |  |  |  |  |  |  |
| 3'-4 13/16" (1037) |  |  |  |  |  |  |  |
| 4'-0" (1219) |  |  |  |  |  |  |  |
| 4'-4 13/16" (1341) |  |  |  |  |  |  |  |
| 4'-11 7/8" (1521) |  |  |  |  |  |  |  |
| 5'-4 13/16" (1646) |  |  |  |  |  |  |  |
| 5'-11 7/8" (1826) |  |  |  |  |  |  |  |

Units designated **PTR** may be installed horizontally or vertically.



† Andersen® art glass panels are available for these units by special order only. Contact your Andersen® supplier. Panels are available for all other units on this page through normal ordering process. Visit andersenwindows.com/artglass for details.

- Rough opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 13 for more details.
- Dimensions in parentheses are in millimeters.
- When ordering, be sure to specify color desired: White, Sandtone, Terratone® or Forest Green.
- Picture units may be rotated in either direction to align with casement or awning windows (as illustrated by label on glass).



Divided Light Patterns

In addition to the Colonial grille patterns shown in the table of basic unit sizes, other standard divided light patterns are available. Not all grille patterns are available in all configurations. See page 30, visit andersenwindows.com/grilles, or contact your Andersen® supplier.



Compatible Specialty Windows

To find compatible Circle Top™ arch and other shaped windows, see the Specialty Window section beginning on page 101 and the Andersen architectural section beginning on page 157.



Product Details

See pages 33 and 34.

Casement Window Opening Specifications

| Unit Number | Clear Opening Straight Arm | | Clear Opening Split Arm | | Clear Opening in Full Open Position | | | | | | | | | | Straight Arm Vent | | Split Arm Vent | | Top of Subfloor to Top of Inside Sill Stop | | Overall Unit Area | |
|-------------|----------------------------|---------|-------------------------|---------|-------------------------------------|-------|-----------------|-------|-----------|--------|---------|---------|------------------------------|--------|-------------------|---------|----------------|---------|--|--------|-------------------|---------|
| | Sq. Ft. | (m²) | Sq. Ft. | (m²) | Straight Arm Width | | Split Arm Width | | Height | | Glass | | Crack Opening Vent Sash Only | | Sq. Ft. | (m²) | Sq. Ft. | (m²) | Inches | (mm) | Sq. Ft. | (m²) |
| | | | | | Inches | (mm) | Inches | (mm) | Inches | (mm) | Sq. Ft. | (m²) | Lineal Ft. | (mm) | | | | | | | | |
| CR12 | — | — | 1.0 | (0.093) | — | — | 7 5/16" | (186) | 19 1/4" | (489) | 1.7 | (0.158) | 6'-4 13/16" | (1951) | — | — | 1.5 | (0.139) | 60 9/16" | (1538) | 2.8 | (0.260) |
| CR125 | — | — | 1.2 | (0.111) | — | — | 7 5/16" | (186) | 23 7/16" | (595) | 2.0 | (0.186) | 7'-0 15/16" | (2157) | — | — | 1.8 | (0.167) | 56 3/8" | (1432) | 3.3 | (0.307) |
| CR13 | — | — | 1.6 | (0.149) | — | — | 7 5/16" | (186) | 31 1/16" | (789) | 2.7 | (0.251) | 8'-4 7/16" | (2551) | — | — | 2.4 | (0.223) | 48 3/4" | (1238) | 4.2 | (0.390) |
| CR135 | — | — | 1.8 | (0.167) | — | — | 7 5/16" | (186) | 35 15/16" | (913) | 3.1 | (0.288) | 9'-2 3/16" | (2799) | — | — | 2.7 | (0.251) | 43 7/8" | (1114) | 4.8 | (0.446) |
| CR14 | — | — | 2.2 | (0.204) | — | — | 7 5/16" | (186) | 43 1/8" | (1095) | 3.8 | (0.353) | 10'-4 9/16" | (3164) | — | — | 3.3 | (0.307) | 36 11/16" | (932) | 5.7 | (0.530) |
| CR145 | — | — | 2.4 | (0.223) | — | — | 7 5/16" | (186) | 47 15/16" | (1218) | 4.2 | (0.390) | 11'-2 3/16" | (3408) | — | — | 3.6 | (0.334) | 31 7/8" | (810) | 6.2 | (0.576) |
| CR15 | — | — | 2.8 | (0.260) | — | — | 7 5/16" | (186) | 55" | (1397) | 4.8 | (0.446) | 12'-4 5/16" | (3767) | — | — | 4.2 | (0.390) | 24 13/16" | (630) | 7.1 | (0.660) |
| CR155 | — | — | 3.1 | (0.288) | — | — | 7 5/16" | (186) | 59 15/16" | (1522) | 5.2 | (0.483) | 13'-2 3/16" | (4018) | — | — | 4.5 | (0.418) | 19 7/8" | (505) | 7.7 | (0.715) |
| CR16 | — | — | 3.4 | (0.316) | — | — | 7 5/16" | (186) | 67" | (1702) | 5.9 | (0.548) | 14'-4 5/16" | (4377) | — | — | 5.1 | (0.474) | 12 13/16" | (325) | 8.5 | (0.790) |
| CR23 | — | — | 1.6 | (0.149) | — | — | 7 5/16" | (186) | 31 1/16" | (789) | 5.4 | (0.502) | 16'-8 7/8" | (5102) | — | — | 4.7 | (0.437) | 48 3/4" | (1238) | 8.4 | (0.780) |
| CR235 | — | — | 1.8 | (0.167) | — | — | 7 5/16" | (186) | 35 15/16" | (913) | 6.3 | (0.585) | 18'-4 3/8" | (5598) | — | — | 5.4 | (0.502) | 43 7/8" | (1114) | 9.6 | (0.892) |
| CR24 | — | — | 2.2 | (0.204) | — | — | 7 5/16" | (186) | 43 1/8" | (1095) | 7.6 | (0.706) | 20'-9 1/4" | (6328) | — | — | 6.5 | (0.604) | 36 11/16" | (932) | 11.3 | (1.050) |
| CR245 | — | — | 2.4 | (0.223) | — | — | 7 5/16" | (186) | 47 15/16" | (1218) | 8.4 | (0.780) | 22'-4 3/8" | (6817) | — | — | 7.3 | (0.678) | 31 7/8" | (810) | 12.4 | (1.152) |
| CR25 | — | — | 2.8 | (0.260) | — | — | 7 5/16" | (186) | 55" | (1397) | 9.6 | (0.892) | 24'-8 5/8" | (7534) | — | — | 8.3 | (0.771) | 24 13/16" | (630) | 14.2 | (1.319) |
| CR255 | — | — | 3.1 | (0.288) | — | — | 7 5/16" | (186) | 59 15/16" | (1522) | 10.5 | (0.975) | 26'-4 3/8" | (8036) | — | — | 9.1 | (0.845) | 19 7/8" | (505) | 15.4 | (1.431) |
| CR26 | — | — | 3.4 | (0.316) | — | — | 7 5/16" | (186) | 67" | (1702) | 11.7 | (1.087) | 28'-8 5/8" | (8753) | — | — | 10.2 | (0.948) | 12 13/16" | (325) | 17.0 | (1.579) |
| CN12 | — | — | 1.5 | (0.139) | — | — | 10 13/16" | (275) | 19 1/4" | (489) | 2.2 | (0.204) | 6'-11 13/16" | (2129) | — | — | 1.9 | (0.177) | 60 9/16" | (1538) | 3.4 | (0.316) |
| CN125 | — | — | 1.8 | (0.167) | — | — | 10 13/16" | (275) | 23 7/16" | (595) | 2.6 | (0.242) | 7'-7 15/16" | (2335) | — | — | 2.3 | (0.214) | 56 3/8" | (1432) | 4.0 | (0.372) |
| CN13 | — | — | 2.3 | (0.214) | — | — | 10 13/16" | (275) | 31 1/16" | (789) | 3.5 | (0.325) | 8'-11 7/16" | (2729) | — | — | 3.1 | (0.288) | 48 3/4" | (1238) | 5.1 | (0.474) |
| CN135 | — | — | 2.7 | (0.251) | — | — | 10 13/16" | (275) | 35 15/16" | (913) | 4.0 | (0.372) | 9'-9 3/16" | (2977) | — | — | 3.6 | (0.334) | 43 7/8" | (1114) | 5.8 | (0.539) |
| CN14 | — | — | 3.2 | (0.297) | — | — | 10 13/16" | (275) | 43 1/8" | (1095) | 4.8 | (0.446) | 10'-11 9/16" | (3342) | — | — | 4.3 | (0.399) | 36 11/16" | (932) | 6.8 | (0.632) |
| CN145 | — | — | 3.6 | (0.334) | — | — | 10 13/16" | (275) | 47 15/16" | (1218) | 5.4 | (0.502) | 11'-9 3/16" | (3586) | — | — | 4.8 | (0.446) | 31 7/8" | (810) | 7.5 | (0.697) |
| CN15 | — | — | 4.1 | (0.381) | — | — | 10 13/16" | (275) | 55" | (1397) | 6.2 | (0.576) | 12'-11 5/16" | (3945) | — | — | 5.5 | (0.511) | 24 13/16" | (630) | 8.5 | (0.790) |
| CN155 | — | — | 4.5 | (0.418) | — | — | 10 13/16" | (275) | 59 15/16" | (1522) | 6.7 | (0.622) | 13'-9 3/16" | (4196) | — | — | 6.0 | (0.557) | 19 7/8" | (505) | 9.2 | (0.855) |
| CN16 | — | — | 5.0 | (0.465) | — | — | 10 13/16" | (275) | 67" | (1702) | 7.5 | (0.697) | 14'-11 5/16" | (4555) | — | — | 6.7 | (0.622) | 12 13/16" | (325) | 10.2 | (0.948) |
| CN22 | — | — | 1.5 | (0.139) | — | — | 10 13/16" | (275) | 19 1/4" | (489) | 4.4 | (0.408) | 13'-11 5/8" | (4258) | — | — | 3.8 | (0.354) | 60 9/16" | (1538) | 6.8 | (0.632) |
| CN225 | — | — | 1.8 | (0.167) | — | — | 10 13/16" | (275) | 23 7/16" | (595) | 5.2 | (0.484) | 15'-3 7/8" | (4670) | — | — | 4.6 | (0.428) | 56 9/16" | (1432) | 8.0 | (0.744) |
| CN23 | — | — | 2.3 | (0.214) | — | — | 10 13/16" | (275) | 31 1/16" | (789) | 7.0 | (0.650) | 17'-10 7/8" | (5458) | — | — | 6.2 | (0.576) | 48 3/4" | (1238) | 10.2 | (0.948) |
| CN235 | — | — | 2.7 | (0.251) | — | — | 10 13/16" | (275) | 35 15/16" | (913) | 8.0 | (0.743) | 19'-6 3/8" | (5953) | — | — | 7.2 | (0.669) | 43 7/8" | (1114) | 11.5 | (1.068) |
| CN24 | — | — | 3.2 | (0.297) | — | — | 10 13/16" | (275) | 43 1/8" | (1095) | 9.7 | (0.901) | 21'-11 1/8" | (6683) | — | — | 8.6 | (0.799) | 36 11/16" | (932) | 13.6 | (1.263) |
| CN245 | — | — | 3.6 | (0.334) | — | — | 10 13/16" | (275) | 47 15/16" | (1218) | 10.7 | (0.994) | 23'-6 3/8" | (7172) | — | — | 9.6 | (0.892) | 31 7/8" | (810) | 15.0 | (1.394) |
| CN25 | — | — | 4.1 | (0.381) | — | — | 10 13/16" | (275) | 55" | (1397) | 12.3 | (1.143) | 25'-10 5/8" | (7890) | — | — | 11.0 | (1.022) | 24 13/16" | (630) | 16.9 | (1.570) |
| CN255 | — | — | 4.5 | (0.418) | — | — | 10 13/16" | (275) | 59 15/16" | (1522) | 13.4 | (1.245) | 27'-6 3/8" | (8392) | — | — | 12.0 | (1.115) | 19 7/8" | (505) | 18.4 | (1.709) |
| CN26 | — | — | 5.0 | (0.465) | — | — | 10 13/16" | (275) | 67" | (1702) | 15.0 | (1.394) | 29'-10 5/8" | (9109) | — | — | 13.4 | (1.245) | 12 13/16" | (325) | 20.3 | (1.886) |
| CN32 | — | — | 1.5 | (0.139) | — | — | 10 13/16" | (275) | 19 1/4" | (489) | 6.6 | (0.612) | 13'-11 5/8" | (4258) | — | — | 3.8 | (0.354) | 60 9/16" | (1538) | 10.2 | (0.948) |
| CN325 | — | — | 1.8 | (0.167) | — | — | 10 13/16" | (275) | 23 7/16" | (595) | 7.8 | (0.726) | 15'-3 7/8" | (4670) | — | — | 4.6 | (0.428) | 56 5/8" | (1432) | 12.0 | (1.116) |
| CN33 | — | — | 2.3 | (0.214) | — | — | 10 13/16" | (275) | 31 1/16" | (789) | 10.5 | (0.975) | 17'-10 7/8" | (5458) | — | — | 6.2 | (0.576) | 48 3/4" | (1238) | 15.3 | (1.422) |
| CN335 | — | — | 2.7 | (0.251) | — | — | 10 13/16" | (275) | 35 15/16" | (913) | 12.0 | (1.116) | 19'-6 3/8" | (5954) | — | — | 7.2 | (0.668) | 43 7/8" | (1114) | 17.4 | (1.617) |
| CN34 | — | — | 3.2 | (0.297) | — | — | 10 13/16" | (275) | 43 1/8" | (1095) | 14.4 | (1.338) | 21'-11 1/8" | (6684) | — | — | 8.6 | (0.798) | 36 11/16" | (932) | 20.4 | (1.896) |
| CN345 | — | — | 3.6 | (0.334) | — | — | 10 13/16" | (275) | 47 15/16" | (1218) | 16.2 | (1.506) | 23'-6 3/8" | (7172) | — | — | 9.6 | (0.892) | 31 7/8" | (810) | 22.5 | (2.091) |
| CN35 | — | — | 4.1 | (0.381) | — | — | 10 13/16" | (275) | 55" | (1397) | 18.6 | (1.728) | 25'-10 5/8" | (7890) | — | — | 11.0 | (1.022) | 24 13/16" | (630) | 25.5 | (2.370) |
| CN355 | — | — | 4.5 | (0.418) | — | — | 10 13/16" | (275) | 59 15/16" | (1522) | 20.1 | (1.866) | 27'-6 3/8" | (8392) | — | — | 12.0 | (1.114) | 19 7/8" | (505) | 27.6 | (2.565) |
| CN36 | — | — | 5.0 | (0.465) | — | — | 10 13/16" | (275) | 67" | (1702) | 22.5 | (2.091) | 29'-10 5/8" | (9110) | — | — | 13.4 | (1.244) | 12 13/16" | (325) | 30.6 | (2.844) |
| C12 | 2.5 | (0.232) | 1.9 | (0.177) | 18 5/16" | (465) | 14 7/16" | (367) | 19 1/4" | (489) | 2.6 | (0.242) | 7'-7 1/16" | (2313) | 2.5 | (0.232) | 2.4 | (0.223) | 60 9/16" | (1538) | 4.0 | (0.372) |
| C125 | 3.0 | (0.279) | 2.4 | (0.223) | 18 5/16" | (465) | 14 7/16" | (367) | 23 7/16" | (595) | 3.2 | (0.297) | 8'-3 3/16" | (2519) | 3.0 | (0.279) | 2.9 | (0.269) | 56 3/8" | (1432) | 4.7 | (0.437) |
| C13 | 4.0 | (0.372) | 3.1 | (0.288) | 18 5/16" | (465) | 14 7/16" | (367) | 31 1/16" | (789) | 4.3 | (0.399) | 9'-6 11/16" | (2913) | 4.0 | (0.372) | 3.9 | (0.362) | 48 3/4" | (1238) | 6.0 | (0.557) |
| C135 | 4.6 | (0.427) | 3.6 | (0.334) | 18 5/16" | (465) | 14 7/16" | (367) | 35 15/16" | (913) | 4.9 | (0.455) | 10'-4 7/16" | (3161) | 4.6 | (0.427) | 4.5 | (0.418) | 43 7/8" | (1114) | 6.8 | (0.632) |
| C14 | 5.5 | (0.511) | 4.3 | (0.399) | 18 5/16" | | | | | | | | | | | | | | | | | |

CASEMENT & AWNING WINDOWS

Casement Window Opening Specifications – Continued

| Unit Number | Clear Opening Straight Arm | | Clear Opening Split Arm | | Clear Opening in Full Open Position | | | Glass | | Crack Opening Vent Sash Only | | Straight Arm Vent | | Split Arm Vent | | Top of Subfloor to Top of Inside Sill Stop | | Overall Unit Area | |
|-------------|----------------------------|-------------------|-------------------------|-------------------|-------------------------------------|-----------------|------------------|---------|-------------------|------------------------------|--------|-------------------|-------------------|----------------|-------------------|--|--------|-------------------|-------------------|
| | Sq. Ft. | (m ²) | Sq. Ft. | (m ²) | Inches (mm) | Inches (mm) | Height (mm) | Sq. Ft. | (m ²) | Lineal Ft. (mm) | (mm) | Sq. Ft. | (m ²) | Sq. Ft. | (m ²) | Inches (mm) | (mm) | Sq. Ft. | (m ²) |
| CW12 | 3.0 | (0.279) | 2.5 | (0.232) | 22 9/16" (573) | 18 11/16" (475) | 19 1/4" (489) | 3.2 | (0.297) | 8'-3 3/16" (2529) | (2529) | 3.0 | (0.279) | 3.0 | (0.279) | 60 9/16" (1538) | (1538) | 4.8 | (0.446) |
| CW125 | 3.7 | (0.344) | 3.0 | (0.279) | 22 9/16" (573) | 18 11/16" (475) | 23 7/16" (595) | 3.9 | (0.362) | 8'-11 11/16" (2726) | (2726) | 3.7 | (0.344) | 3.6 | (0.334) | 56 3/8" (1432) | (1432) | 5.6 | (0.520) |
| CW13 | 4.9 | (0.455) | 4.0 | (0.372) | 22 9/16" (573) | 18 11/16" (475) | 31 1/16" (789) | 5.2 | (0.483) | 10'-3 3/16" (3129) | (3129) | 4.9 | (0.455) | 4.8 | (0.446) | 48 3/4" (1238) | (1238) | 7.1 | (0.660) |
| CW135* | 5.7 | (0.530) | 5.1 | (0.474) | 22 9/16" (573) | 20" (508) | 36 3/8" (924) | 6.0 | (0.557) | 11'-0 15/16" (3377) | (3377) | 5.7 | (0.530) | 5.5 | (0.511) | 43 7/8" (1114) | (1114) | 8.0 | (0.743) |
| CW14* | 6.8 | (0.632) | 6.0 | (0.557) | 22 9/16" (573) | 20" (508) | 43 1/8" (1095) | 7.2 | (0.669) | 12'-3 5/16" (3742) | (3742) | 6.8 | (0.632) | 6.6 | (0.613) | 36 11/16" (932) | (932) | 9.5 | (0.883) |
| CW145* | 7.5 | (0.697) | 6.7 | (0.622) | 22 9/16" (573) | 20" (508) | 47 15/16" (1218) | 8.0 | (0.743) | 13'-0 15/16" (3986) | (3986) | 7.5 | (0.697) | 7.3 | (0.678) | 31 7/8" (810) | (810) | 10.4 | (0.966) |
| CW15* | 8.6 | (0.799) | 7.6 | (0.706) | 22 9/16" (573) | 20" (508) | 55" (1397) | 9.2 | (0.855) | 14'-3 1/16" (4345) | (4345) | 8.6 | (0.799) | 8.4 | (0.780) | 24 13/16" (630) | (630) | 11.8 | (1.096) |
| CW155* | 9.4 | (0.873) | 8.3 | (0.771) | 22 9/16" (573) | 20" (508) | 59 15/16" (1522) | 10.0 | (0.929) | 15'-0 15/16" (4596) | (4596) | 9.4 | (0.873) | 9.1 | (0.845) | 19 7/8" (505) | (505) | 12.8 | (1.189) |
| CW16* | 10.5 | (0.975) | 9.3 | (0.864) | 22 9/16" (573) | 20" (508) | 67" (1702) | 11.2 | (1.041) | 16'-3 1/16" (4955) | (4955) | 10.5 | (0.975) | 10.2 | (0.948) | 12 13/16" (325) | (325) | 14.2 | (1.319) |
| CW22 | 3.0 | (0.279) | 2.5 | (0.232) | 22 9/16" (573) | 18 11/16" (475) | 19 1/4" (489) | 6.4 | (0.594) | 16'-7 1/8" (5058) | (5058) | 6.0 | (0.558) | 6.0 | (0.558) | 60 9/16" (1538) | (1538) | 9.6 | (0.892) |
| CW225 | 3.7 | (0.344) | 3.0 | (0.279) | 22 9/16" (573) | 18 11/16" (475) | 23 7/16" (595) | 7.8 | (0.724) | 17'-11 1/8" (5452) | (5452) | 7.4 | (0.688) | 7.2 | (0.668) | 56 3/8" (1432) | (1432) | 11.2 | (1.040) |
| CW23 | 4.9 | (0.455) | 4.0 | (0.372) | 22 9/16" (573) | 18 11/16" (475) | 31 1/16" (789) | 10.4 | (0.966) | 20'-6 3/8" (6258) | (6258) | 9.8 | (0.910) | 9.6 | (0.892) | 48 3/4" (1238) | (1238) | 14.1 | (1.310) |
| CW235* | 5.7 | (0.530) | 5.1 | (0.474) | 22 9/16" (573) | 20" (508) | 36 3/8" (924) | 12.0 | (1.115) | 22'-1 7/8" (6753) | (6753) | 11.4 | (1.059) | 11.1 | (1.031) | 43 7/8" (1114) | (1114) | 16.0 | (1.486) |
| CW24* | 6.8 | (0.632) | 6.0 | (0.557) | 22 9/16" (573) | 20" (508) | 43 1/8" (1095) | 14.4 | (1.338) | 24'-6 5/8" (7483) | (7483) | 13.5 | (1.254) | 13.1 | (1.217) | 36 11/16" (932) | (932) | 18.8 | (1.747) |
| CW245* | 7.5 | (0.697) | 6.7 | (0.622) | 22 9/16" (573) | 20" (508) | 47 15/16" (1218) | 16.0 | (1.486) | 26'-1 7/8" (7972) | (7972) | 15.0 | (1.394) | 14.6 | (1.356) | 31 7/8" (810) | (810) | 20.8 | (1.932) |
| CW25* | 8.6 | (0.799) | 7.6 | (0.706) | 22 9/16" (573) | 20" (508) | 55" (1397) | 18.3 | (1.700) | 28'-6 3/8" (8690) | (8690) | 17.3 | (1.607) | 16.7 | (1.571) | 24 13/16" (630) | (630) | 23.5 | (2.183) |
| CW255* | 9.4 | (0.873) | 8.3 | (0.771) | 22 9/16" (573) | 20" (508) | 59 15/16" (1522) | 20.0 | (1.858) | 30'-1 7/8" (9192) | (9192) | 18.8 | (1.747) | 18.2 | (1.691) | 19 7/8" (505) | (505) | 25.6 | (2.378) |
| CW26* | 10.5 | (0.976) | 9.3 | (0.864) | 22 9/16" (573) | 20" (508) | 67" (1702) | 22.3 | (2.072) | 32'-6 1/8" (9909) | (9909) | 21.0 | (1.951) | 20.4 | (1.895) | 12 13/16" (325) | (325) | 28.2 | (2.620) |
| CW32 | 3.0 | (0.279) | 2.5 | (0.232) | 22 9/16" (573) | 18 11/16" (475) | 19 1/4" (489) | 9.6 | (0.891) | 16'-7 1/8" (5058) | (5058) | 6.0 | (0.558) | 6.0 | (0.558) | 60 9/16" (1538) | (1538) | 14.4 | (1.338) |
| CW325 | 3.7 | (0.344) | 3.0 | (0.279) | 22 9/16" (573) | 18 11/16" (475) | 23 7/16" (595) | 11.7 | (1.086) | 17'-11 1/8" (5452) | (5452) | 7.4 | (0.688) | 7.2 | (0.668) | 56 3/8" (1432) | (1432) | 16.8 | (1.560) |
| CW33 | 4.9 | (0.455) | 4.0 | (0.372) | 22 9/16" (573) | 18 11/16" (475) | 31 1/16" (789) | 15.6 | (1.449) | 20'-6 3/8" (6258) | (6258) | 9.8 | (0.910) | 9.6 | (0.892) | 48 3/4" (1238) | (1238) | 21.1 | (1.962) |
| CW335* | 5.7 | (0.530) | 5.1 | (0.474) | 22 9/16" (573) | 20" (508) | 36 3/8" (924) | 18.0 | (1.672) | 22'-1 7/8" (6753) | (6753) | 11.4 | (1.059) | 11.1 | (1.031) | 43 7/8" (1114) | (1114) | 24.0 | (2.228) |
| CW34* | 6.8 | (0.632) | 6.0 | (0.557) | 22 9/16" (573) | 20" (508) | 43 1/8" (1095) | 21.6 | (2.007) | 24'-6 5/8" (7483) | (7483) | 13.6 | (1.263) | 13.1 | (1.217) | 36 11/16" (932) | (932) | 28.2 | (2.621) |
| CW345* | 7.5 | (0.697) | 6.7 | (0.622) | 22 9/16" (573) | 20" (508) | 47 15/16" (1218) | 24.0 | (2.230) | 26'-1 7/8" (7972) | (7972) | 15.0 | (1.394) | 14.6 | (1.356) | 31 7/8" (810) | (810) | 31.0 | (2.883) |
| CW35* | 8.6 | (0.799) | 7.6 | (0.706) | 22 9/16" (573) | 20" (508) | 55" (1397) | 27.6 | (2.564) | 28'-6 3/8" (8690) | (8690) | 17.2 | (1.598) | 16.7 | (1.551) | 24 13/16" (630) | (630) | 35.2 | (3.269) |
| CX125 | 4.2 | (0.388) | 3.5 | (0.330) | 25 11/16" (653) | 21 13/16" (554) | 23 7/16" (595) | 4.4 | (0.412) | 9'-6" (2896) | (2896) | 4.2 | (0.388) | 4.1 | (0.380) | 56 3/8" (1432) | (1432) | 6.2 | (0.577) |
| CX13 | 5.5 | (0.515) | 4.7 | (0.437) | 25 11/16" (653) | 21 13/16" (554) | 31 1/16" (789) | 5.9 | (0.544) | 10'-9 5/8" (3292) | (3292) | 5.5 | (0.515) | 5.4 | (0.505) | 48 3/4" (1238) | (1238) | 7.9 | (0.730) |
| CX135* | 6.4 | (0.596) | 5.4 | (0.505) | 25 11/16" (653) | 21 13/16" (554) | 35 15/16" (913) | 6.8 | (0.629) | 11'-7 1/8" (3536) | (3536) | 6.4 | (0.596) | 6.3 | (0.585) | 43 7/8" (1114) | (1114) | 8.9 | (0.829) |
| CX14* | 7.7 | (0.715) | 6.5 | (0.607) | 25 11/16" (653) | 21 13/16" (554) | 43 1/8" (1095) | 8.1 | (0.755) | 12'-9 5/8" (3901) | (3901) | 7.7 | (0.715) | 7.6 | (0.703) | 36 11/16" (932) | (932) | 10.5 | (0.975) |
| CX145* | 8.6 | (0.795) | 7.3 | (0.674) | 25 11/16" (653) | 21 13/16" (554) | 47 15/16" (1218) | 9.0 | (0.839) | 13'-7 1/4" (4145) | (4145) | 8.6 | (0.795) | 8.4 | (0.781) | 31 7/8" (810) | (810) | 11.6 | (1.073) |
| CX15* | 9.8 | (0.912) | 8.3 | (0.774) | 25 11/16" (653) | 21 13/16" (554) | 55" (1397) | 10.4 | (0.963) | 14'-9 5/8" (4511) | (4511) | 9.8 | (0.912) | 9.7 | (0.897) | 24 13/16" (630) | (630) | 13.1 | (1.217) |
| CX155* | 10.7 | (0.993) | 9.1 | (0.843) | 25 11/16" (653) | 21 13/16" (554) | 59 15/16" (1522) | 11.3 | (1.049) | 15'-7 1/4" (4755) | (4755) | 10.7 | (0.993) | 10.5 | (0.978) | 19 7/8" (505) | (505) | 14.2 | (1.317) |
| CX16* | 12.0 | (1.111) | 10.1 | (0.942) | 25 11/16" (653) | 21 13/16" (554) | 67" (1702) | 12.6 | (1.172) | 16'-9 5/8" (5121) | (5121) | 12.0 | (1.111) | 11.8 | (1.094) | 12 13/16" (325) | (325) | 15.7 | (1.461) |
| CX23 | 5.5 | (0.515) | 4.7 | (0.437) | 25 11/16" (653) | 21 13/16" (554) | 31 1/16" (789) | 11.7 | (1.088) | 21'-7 1/4" (6584) | (6584) | 11.1 | (1.030) | 10.9 | (1.010) | 48 3/4" (1238) | (1238) | 15.7 | (1.455) |
| CX235* | 6.4 | (0.596) | 5.4 | (0.505) | 25 11/16" (653) | 21 13/16" (554) | 35 15/16" (913) | 13.6 | (1.259) | 23'-2 3/8" (7071) | (7071) | 12.8 | (1.191) | 12.6 | (1.170) | 43 7/8" (1114) | (1114) | 17.8 | (1.652) |
| CX24* | 7.7 | (0.715) | 6.5 | (0.607) | 25 11/16" (653) | 21 13/16" (554) | 43 1/8" (1095) | 16.3 | (1.510) | 25'-7 1/4" (7803) | (7803) | 15.4 | (1.430) | 15.1 | (1.405) | 36 11/16" (932) | (932) | 20.9 | (1.943) |
| CX245* | 8.6 | (0.795) | 7.3 | (0.674) | 25 11/16" (653) | 21 13/16" (554) | 47 15/16" (1218) | 18.1 | (1.678) | 27'-2 3/8" (8291) | (8291) | 17.1 | (1.589) | 16.8 | (1.563) | 31 7/8" (810) | (810) | 23.0 | (2.138) |
| CX25* | 9.8 | (0.912) | 8.3 | (0.774) | 25 11/16" (653) | 21 13/16" (554) | 55" (1397) | 20.7 | (1.925) | 29'-7 1/4" (9022) | (9022) | 19.6 | (1.823) | 19.3 | (1.794) | 24 13/16" (630) | (630) | 26.1 | (2.424) |
| CXW13 | 6.5 | (0.604) | 5.6 | (0.526) | 30 1/8" (765) | 26 1/4" (667) | 31 1/16" (789) | 6.8 | (0.632) | 11'-6 5/16" (3513) | (3513) | 6.5 | (0.604) | 6.1 | (0.567) | 48 3/4" (1238) | (1238) | 9.0 | (0.836) |
| CXW135* | 7.5 | (0.697) | 6.6 | (0.613) | 30 1/8" (765) | 26 1/4" (667) | 35 15/16" (913) | 7.9 | (0.734) | 12'-4 1/16" (3761) | (3761) | 7.5 | (0.697) | 7.0 | (0.650) | 43 7/8" (1114) | (1114) | 10.2 | (0.948) |
| CXW14* | 9.0 | (0.836) | 7.9 | (0.734) | 30 1/8" (765) | 26 1/4" (667) | 43 1/8" (1095) | 9.5 | (0.883) | 13'-6 1/16" (4126) | (4126) | 9.0 | (0.836) | 8.4 | (0.780) | 36 11/16" (932) | (932) | 12.0 | (1.115) |
| CXW145* | 10.0 | (0.929) | 8.8 | (0.818) | 30 1/8" (765) | 26 1/4" (667) | 47 15/16" (1218) | 10.5 | (0.975) | 14'-4 1/16" (4371) | (4371) | 10.0 | (0.929) | 9.4 | (0.873) | 31 7/8" (810) | (810) | 13.2 | (1.226) |
| CXW15* | 11.5 | (1.068) | — | — | 30 1/8" (765) | — | 55" (1397) | 12.1 | (1.124) | 15'-6 13/16" (4729) | (4729) | 11.5 | (1.068) | — | — | 24 13/16" (630) | (630) | 14.9 | (1.384) |
| CXW155* | 12.6 | (1.171) | — | — | 30 1/8" (765) | — | 59 15/16" (1522) | 13.1 | (1.217) | 16'-4 1/16" (4980) | (4980) | 12.6 | (1.171) | — | — | 19 7/8" (505) | (505) | 16.2 | (1.505) |
| CXW16* | 14.0 | (1.301) | — | — | 30 1/8" (765) | — | 67" (1702) | 14.7 | (1.366) | 17'-6 13/16" (5339) | (5339) | 14.0 | (1.301) | — | — | 12 13/16" (325) | (325) | 17.9 | (1.663) |
| CXW23 | 6.5 | (0.604) | 5.6 | (0.526) | 30 1/8" (765) | 26 1/4" (667) | 31 1/16" (789) | 13.6 | (1.263) | 23'-0 5/8" (7026) | (7026) | 13.0 | (1.208) | 12.2 | (0.567) | 48 3/4" (1238) | (1238) | 17.9 | (1.661) |
| CXW235* | 7.5 | (0.699) | 6.5 | (0.608) | 30 1/8" (765) | 26 1/4" (667) | 35 5/16" (913) | 15.8 | (1.468) | 24'-8 1/8" (7522) | (7522) | 15.0 | (1.394) | 14.0 | (0.567) | 43 7/8" (1114) | (1114) | 20.3 | (1.886) |
| CXW24* | 9.0 | (0.838) | 7.9 | (0.730) | 30 1/8" (765) | 26 1/4" (667) | 43 1/8" (1059) | 19.0 | (1.765) | 27'-0 1/8" (8252) | (8252) | 18.0 | (1.672) | 16.8 | (0.567) | 36 11/16" (932) | (932) | 23.9 | (2.218) |
| CXW245* | 10.0 | (0.932) | 8.7 | (0.811) | 30 1/8" (765) | 26 1/4" (667) | 47 15/16" (1218) | 21.0 | (1.951) | 28'-8 1/8" (8738) | (8738) | 20.0 | (1.858) | 18.8 | (0.567) | 31 7/8" (810) | (810) | 26.3 | (2.440) |
| CXW25* | 11.5 | (1.069) | — | — | 30 1/8" (765) | — | 55" (1397) | 24.2 | (2.248) | 31'-1 5/8" (9490) | (9490) | 23.0 | (2.137) | — | — | 24 13/16" (630) | (630) | 29.8 | (2.767) |

* These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24", when appropriate hardware (straight arm or split arm) is specified.

Bold Italic = Straight-arm 'C' width units available as special orders.

NOTE: Floor to sill heights are calculated based upon a structural header height of 6'-10 1/2".

Picture Square Feet Glass/Unit Area

| Unit Number | Glass Area | | Overall Unit Area | |
|-------------|------------|---------|-------------------|---------|
| | Sq. Ft | (m²) | Sq. Ft | (m²) |
| P3030 | 6.8 | (0.632) | 9.0 | (0.836) |
| P3035 | 7.8 | (0.725) | 10.2 | (0.948) |
| P3040 | 9.4 | (0.873) | 12.0 | (1.115) |
| P3045 | 10.4 | (0.966) | 13.2 | (1.226) |
| P3050 | 12.0 | (1.115) | 14.9 | (1.384) |
| P3055 | 13.0 | (1.208) | 16.2 | (1.505) |
| P3060 | 14.6 | (1.356) | 17.9 | (1.663) |
| P3530 | 7.8 | (0.725) | 10.2 | (0.948) |
| P3535 | 9.0 | (0.836) | 11.6 | (1.078) |
| P3540 | 10.8 | (1.003) | 13.6 | (1.263) |
| P3545 | 12.1 | (1.124) | 15.0 | (1.394) |
| P3550 | 13.8 | (1.282) | 17.0 | (1.579) |
| P3555 | 15.1 | (1.403) | 18.4 | (1.709) |
| P3560 | 16.8 | (1.561) | 20.4 | (1.895) |
| P4030 | 9.4 | (0.873) | 12.0 | (1.115) |
| P4035 | 10.8 | (1.003) | 13.6 | (1.263) |
| P4040 | 13.0 | (1.208) | 16.0 | (1.486) |
| P4045 | 14.5 | (1.347) | 17.6 | (1.635) |
| P4050 | 16.6 | (1.542) | 20.0 | (1.858) |
| P4055 | 18.1 | (1.682) | 21.6 | (2.007) |
| P4060 | 20.2 | (1.877) | 24.0 | (2.230) |
| P4530 | 10.4 | (0.966) | 13.2 | (1.226) |
| P4535 | 12.1 | (1.124) | 15.0 | (1.394) |
| P4540 | 14.5 | (1.347) | 17.6 | (1.635) |
| P4545 | 16.1 | (1.496) | 19.4 | (1.802) |
| P4550 | 18.4 | (1.709) | 22.0 | (2.044) |
| P4555 | 20.1 | (1.867) | 23.8 | (2.211) |
| P4560 | 22.4 | (2.081) | 26.4 | (2.453) |
| P5030 | 12.0 | (1.115) | 14.9 | (1.384) |
| P5035 | 13.8 | (1.282) | 17.0 | (1.579) |
| P5040 | 16.6 | (1.542) | 20.0 | (1.858) |
| P5045 | 18.4 | (1.709) | 22.0 | (2.044) |
| P5050 | 21.1 | (1.960) | 24.9 | (2.313) |
| P5055 | 23.0 | (2.137) | 26.9 | (2.499) |
| P5060 | 25.7 | (2.388) | 29.9 | (2.778) |
| P5530 | 13.0 | (1.208) | 16.2 | (1.505) |
| P5535 | 15.1 | (1.403) | 18.4 | (1.709) |
| P5540 | 18.1 | (1.682) | 21.6 | (2.007) |
| P5545 | 20.1 | (1.867) | 23.8 | (2.211) |
| P5550 | 23.0 | (2.137) | 26.9 | (2.499) |
| P6030 | 14.6 | (1.356) | 17.9 | (1.663) |
| P6035 | 16.8 | (1.561) | 20.4 | (1.895) |
| P6040 | 20.2 | (1.877) | 24.0 | (2.230) |
| P6045 | 22.4 | (2.081) | 26.4 | (2.453) |
| P6050 | 25.7 | (2.388) | 29.9 | (2.778) |

Transom Square Feet Glass/Unit Area

| Unit Number | Glass Area | | Overall Unit Area | |
|-------------|------------|---------|-------------------|---------|
| | Sq. Ft | (m²) | Sq. Ft | (m²) |
| CTR1510 | 0.7 | (0.065) | 1.4 | (0.130) |
| CTR1810 | 0.8 | (0.074) | 1.7 | (0.158) |
| CTR21810 | 1.7 | (0.159) | 3.4 | (0.315) |
| CTR31810 | 2.6 | (0.238) | 5.1 | (0.472) |
| CTR2010 | 1.0 | (0.093) | 2.0 | (0.186) |
| CTR22010 | 2.1 | (0.194) | 4.0 | (0.372) |
| CTR32010 | 3.1 | (0.291) | 6.0 | (0.556) |
| CTR2410 | 1.2 | (0.111) | 2.4 | (0.223) |
| CTR22410 | 2.5 | (0.236) | 4.7 | (0.437) |
| CTR32410 | 3.8 | (0.354) | 7.1 | (0.655) |
| CTR2810 | 1.4 | (0.130) | 2.6 | (0.242) |
| CTR22810 | 2.9 | (0.267) | 5.2 | (0.486) |
| CTR3010 | 1.6 | (0.149) | 3.0 | (0.279) |
| CTR23010 | 3.3 | (0.311) | 6.0 | (0.554) |
| CTR5110 | 3.0 | (0.279) | 5.1 | (0.472) |
| CTR2910 | 1.5 | (0.139) | 2.8 | (0.260) |
| CTR3410 | 1.8 | (0.167) | 3.4 | (0.316) |
| CTR4010 | 2.2 | (0.204) | 4.0 | (0.372) |
| CTR4810 | 2.6 | (0.242) | 4.7 | (0.437) |
| CTR5210 | 2.9 | (0.269) | 5.2 | (0.483) |
| CTR51110 | 3.4 | (0.316) | 6.0 | (0.557) |
| CTR6010 | 3.4 | (0.316) | 6.0 | (0.557) |
| CTR7010 | 4.0 | (0.372) | 7.1 | (0.660) |
| PTR3010 | 1.6 | (0.149) | 3.0 | (0.279) |
| PTR3510 | 1.8 | (0.167) | 3.4 | (0.316) |
| PTR4010 | 2.2 | (0.204) | 4.0 | (0.372) |
| PTR4510 | 2.4 | (0.223) | 4.4 | (0.409) |
| PTR5010 | 2.8 | (0.260) | 5.0 | (0.465) |
| PTR5510 | 3.0 | (0.279) | 5.4 | (0.502) |
| PTR6010 | 3.4 | (0.316) | 6.0 | (0.557) |

CASEMENT & AWNING WINDOWS

Awning Window Opening Specifications

| Unit Number | Clear Opening Sq. Ft. (m²) | | Clear Opening in Full Open Position | | | | Glass Sq. Ft. (m²) | | Crack Opening Vent Sash Only Lineal Ft. (mm) | | Vent Sq. Ft. (m²) | | Top of Subfloor to Top of Inside Sill Stop | | Overall Unit Area Sq. Ft. (m²) | |
|-------------|-------------------------------|---------|-------------------------------------|---------------|-----------------------|---------|-----------------------|-----|--|------------------|----------------------|---------|--|--|--------------------------------------|--|
| | | | Width Inches (mm) | | Height Inches (mm) | | | | | | | | Inches (mm) | | | |
| AR21 | 0.9 | (0.080) | 19 1/2" (495) | 6 3/8" (162) | 1.7 | (0.158) | 6'-4 13/16" (1951) | 0.9 | (0.080) | 67 7/16" (1713) | 2.8 | (0.260) | | | | |
| AR251 | 1.1 | (0.098) | 23 3/4" (603) | 6 3/8" (162) | 2.0 | (0.186) | 7'-0 5/16" (2142) | 1.1 | (0.098) | 67 7/16" (1713) | 3.3 | (0.307) | | | | |
| AR281 | 1.2 | (0.111) | 26 7/8" (683) | 6 3/8" (162) | 2.3 | (0.214) | 7'-0 5/8" (2149) | 1.2 | (0.111) | 67 7/16" (1713) | 3.7 | (0.344) | | | | |
| AR31 | 1.4 | (0.129) | 31 5/16" (795) | 6 3/8" (162) | 2.7 | (0.251) | 8'-4 7/16" (2551) | 1.4 | (0.129) | 67 7/16" (1713) | 4.2 | (0.390) | | | | |
| AR351 | 1.6 | (0.149) | 36 3/16" (919) | 6 3/8" (162) | 3.1 | (0.288) | 9'-2 3/16" (2799) | 1.6 | (0.149) | 67 7/16" (1713) | 4.8 | (0.446) | | | | |
| AR41 | 1.9 | (0.178) | 43 3/8" (1102) | 6 3/8" (162) | 3.8 | (0.353) | 10'-4 9/16" (3164) | 1.9 | (0.178) | 67 7/16" (1713) | 5.7 | (0.530) | | | | |
| AR451 | 2.1 | (0.198) | 48 3/16" (1224) | 6 3/8" (162) | 4.2 | (0.390) | 11'-2 3/16" (3408) | 2.1 | (0.198) | 67 7/16" (1713) | 6.2 | (0.576) | | | | |
| AR51 | 2.5 | (0.228) | 55 1/2" (1410) | 6 3/8" (162) | 4.8 | (0.446) | 12'-4 5/16" (3767) | 2.5 | (0.228) | 67 7/16" (1713) | 7.1 | (0.660) | | | | |
| AR551 | 2.7 | (0.248) | 60 3/16" (1529) | 6 3/8" (162) | 5.2 | (0.483) | 13'-2 3/16" (4018) | 2.7 | (0.248) | 67 7/16" (1713) | 7.7 | (0.715) | | | | |
| AR61 | 3.0 | (0.278) | 67 1/2" (1715) | 6 3/8" (162) | 5.9 | (0.548) | 14'-4 5/16" (4377) | 3.0 | (0.278) | 67 7/16" (1713) | 8.5 | (0.790) | | | | |
| AR221 | 0.9 | (0.080) | 19 1/2" (495) | 6 3/8" (162) | 3.4 | (0.316) | 12'-9 5/8" (3902) | 1.7 | (0.160) | 67 7/16" (1713) | 5.6 | (0.520) | | | | |
| AR2251 | 1.1 | (0.098) | 23 3/4" (603) | 6 3/8" (162) | 4.0 | (0.372) | 14'-0 5/8" (4283) | 2.1 | (0.195) | 67 7/16" (1713) | 6.6 | (0.613) | | | | |
| AR2281 | 1.2 | (0.111) | 26 7/8" (683) | 6 3/8" (162) | 4.6 | (0.427) | 14'-1 1/4" (4299) | 2.4 | (0.221) | 67 7/16" (1713) | 7.4 | (0.687) | | | | |
| AR231 | 1.4 | (0.129) | 31 5/16" (795) | 6 3/8" (162) | 5.4 | (0.502) | 16'-8 7/8" (5102) | 2.8 | (0.258) | 67 7/16" (1713) | 8.4 | (0.780) | | | | |
| AR321 | 0.9 | (0.080) | 19 1/2" (495) | 6 3/8" (162) | 5.1 | (0.474) | 19'-2 7/16" (5853) | 2.6 | (0.241) | 67 7/16" (1713) | 8.4 | (0.780) | | | | |
| AR3251 | 1.1 | (0.098) | 23 3/4" (603) | 6 3/8" (162) | 6.0 | (0.557) | 21'-0 15/16" (6425) | 3.2 | (0.293) | 67 7/16" (1713) | 9.9 | (0.920) | | | | |
| AN21 | 0.9 | (0.081) | 19 1/2" (495) | 6 7/16" (164) | 2.2 | (0.204) | 6'-11 13/16" (2129) | 0.9 | (0.081) | 63 15/16" (1624) | 3.4 | (0.316) | | | | |
| AN251 | 1.1 | (0.099) | 23 3/4" (603) | 6 7/16" (164) | 2.6 | (0.242) | 7'-7 15/16" (2335) | 1.1 | (0.099) | 63 15/16" (1624) | 4.0 | (0.372) | | | | |
| AN281 | 1.2 | (0.112) | 26 7/8" (683) | 6 7/16" (164) | 3.0 | (0.279) | 8'-0 3/16" (2443) | 1.2 | (0.112) | 63 15/16" (1624) | 4.5 | (0.418) | | | | |
| AN31 | 1.4 | (0.130) | 31 5/16" (795) | 6 7/16" (164) | 3.5 | (0.325) | 8'-11 7/16" (2729) | 1.4 | (0.130) | 63 15/16" (1624) | 5.1 | (0.474) | | | | |
| AN351 | 1.6 | (0.150) | 36 3/16" (919) | 6 7/16" (164) | 4.0 | (0.372) | 9'-9 3/16" (2977) | 1.6 | (0.150) | 63 15/16" (1624) | 5.8 | (0.539) | | | | |
| AN41 | 1.9 | (0.180) | 43 3/8" (1102) | 6 7/16" (164) | 4.8 | (0.446) | 10'-11 9/16" (3342) | 1.9 | (0.180) | 63 15/16" (1624) | 6.8 | (0.632) | | | | |
| AN451 | 2.2 | (0.200) | 48 3/16" (1224) | 6 7/16" (164) | 5.4 | (0.502) | 11'-9 3/16" (3586) | 2.2 | (0.200) | 63 15/16" (1624) | 7.5 | (0.697) | | | | |
| AN51 | 2.5 | (0.230) | 55 1/2" (1410) | 6 7/16" (164) | 6.2 | (0.576) | 12'-11 5/16" (3945) | 2.5 | (0.230) | 63 15/16" (1624) | 8.5 | (0.790) | | | | |
| AN551 | 2.7 | (0.250) | 60 3/16" (1529) | 6 7/16" (164) | 6.7 | (0.622) | 13'-9 3/16" (4196) | 2.7 | (0.250) | 63 15/16" (1624) | 9.2 | (0.855) | | | | |
| AN61 | 3.0 | (0.280) | 67 1/2" (1715) | 6 7/16" (164) | 7.5 | (0.697) | 14'-11 5/16" (4555) | 3.0 | (0.280) | 63 15/16" (1624) | 10.2 | (0.948) | | | | |
| AN221 | 0.9 | (0.081) | 19 1/2" (495) | 6 7/16" (164) | 4.4 | (0.409) | 13'-11 5/8" (4258) | 1.7 | (0.162) | 63 15/16" (1624) | 6.8 | (0.632) | | | | |
| AN2251 | 1.1 | (0.099) | 23 3/4" (603) | 6 7/16" (164) | 5.2 | (0.483) | 15'-3 7/8" (4670) | 2.1 | (0.197) | 63 15/16" (1624) | 8.0 | (0.743) | | | | |
| AN2281 | 1.2 | (0.112) | 26 7/8" (683) | 6 7/16" (164) | 6.0 | (0.557) | 16'-0 3/8" (4886) | 2.4 | (0.223) | 63 15/16" (1624) | 9.0 | (0.836) | | | | |
| AN231 | 1.4 | (0.130) | 31 5/16" (795) | 6 7/16" (164) | 7.0 | (0.650) | 17'-10 7/8" (5458) | 2.8 | (0.260) | 63 15/16" (1624) | 10.2 | (0.948) | | | | |
| AN321 | 0.9 | (0.081) | 19 1/2" (495) | 6 7/16" (164) | 6.6 | (0.613) | 20'-11 7/16" (6387) | 2.6 | (0.243) | 63 15/16" (1624) | 10.2 | (0.948) | | | | |
| AN3251 | 1.1 | (0.099) | 23 3/4" (603) | 6 7/16" (164) | 7.8 | (0.725) | 22'-11 13/16" (7006) | 3.2 | (0.296) | 63 15/16" (1624) | 12.0 | (1.115) | | | | |
| A21 | 0.9 | (0.082) | 19 1/2" (495) | 6 1/2" (165) | 2.6 | (0.242) | 7'-7 1/16" (2313) | 0.9 | (0.082) | 60 5/16" (1532) | 4.0 | (0.372) | | | | |
| A251 | 1.1 | (0.100) | 23 3/4" (603) | 6 1/2" (165) | 3.2 | (0.297) | 8'-3 3/16" (2519) | 1.1 | (0.100) | 60 5/16" (1532) | 4.8 | (0.446) | | | | |
| A281 | 1.2 | (0.113) | 26 7/8" (683) | 6 1/2" (165) | 3.7 | (0.344) | 8'-0 13/16" (2459) | 1.2 | (0.113) | 60 5/16" (1532) | 5.3 | (0.492) | | | | |
| A31 | 1.4 | (0.131) | 31 5/16" (795) | 6 1/2" (165) | 4.3 | (0.399) | 9'-6 11/16" (2913) | 1.4 | (0.131) | 60 5/16" (1532) | 6.0 | (0.557) | | | | |
| A351 | 1.6 | (0.152) | 36 3/16" (919) | 6 1/2" (165) | 4.9 | (0.455) | 10'-4 7/16" (3161) | 1.6 | (0.152) | 60 5/16" (1532) | 6.8 | (0.632) | | | | |
| A41 | 2.0 | (0.182) | 43 3/8" (1102) | 6 1/2" (165) | 5.9 | (0.548) | 11'-6 13/16" (3526) | 2.0 | (0.182) | 60 5/16" (1532) | 8.0 | (0.743) | | | | |
| A451 | 2.2 | (0.202) | 48 3/16" (1224) | 6 1/2" (165) | 6.6 | (0.613) | 12'-4 7/16" (3770) | 2.2 | (0.202) | 60 5/16" (1532) | 8.8 | (0.818) | | | | |
| A51 | 2.5 | (0.233) | 55 1/2" (1410) | 6 1/2" (165) | 7.5 | (0.697) | 13'-6 9/16" (4129) | 2.5 | (0.233) | 60 5/16" (1532) | 10.0 | (0.929) | | | | |
| A551 | 2.7 | (0.252) | 60 3/16" (1529) | 6 1/2" (165) | 8.2 | (0.762) | 14'-4 7/16" (4380) | 2.7 | (0.252) | 60 5/16" (1532) | 10.9 | (1.013) | | | | |
| A61 | 3.0 | (0.283) | 67 1/2" (1715) | 6 1/2" (165) | 9.2 | (0.855) | 15'-6 9/16" (4739) | 3.0 | (0.283) | 60 5/16" (1532) | 12.0 | (1.115) | | | | |
| A221 | 0.9 | (0.082) | 19 1/2" (495) | 6 1/2" (165) | 5.2 | (0.483) | 15'-2 1/8" (4626) | 1.8 | (0.164) | 60 5/16" (1532) | 8.0 | (0.743) | | | | |
| A2251 | 1.1 | (0.100) | 23 3/4" (603) | 6 1/2" (165) | 6.4 | (0.595) | 16'-6 3/8" (5039) | 2.1 | (0.199) | 60 5/16" (1532) | 9.6 | (0.892) | | | | |
| A2281 | 1.2 | (0.113) | 26 7/8" (683) | 6 1/2" (165) | 7.4 | (0.687) | 16'-1 5/8" (4918) | 2.4 | (0.225) | 60 5/16" (1532) | 10.6 | (0.985) | | | | |
| A231 | 1.4 | (0.131) | 31 5/16" (795) | 6 1/2" (165) | 8.6 | (0.799) | 19'-1 3/8" (5826) | 2.8 | (0.263) | 60 5/16" (1532) | 12.0 | (1.115) | | | | |
| A321 | 0.9 | (0.082) | 19 1/2" (495) | 6 1/2" (165) | 7.8 | (0.725) | 22'-9 3/16" (6939) | 2.6 | (0.245) | 60 5/16" (1532) | 12.0 | (1.115) | | | | |
| A3251 | 1.1 | (0.100) | 23 3/4" (603) | 6 1/2" (165) | 9.6 | (0.892) | 24'-9 9/16" (7558) | 3.2 | (0.299) | 60 5/16" (1532) | 14.4 | (1.338) | | | | |
| AW21 | 0.9 | (0.082) | 19 1/2" (495) | 6 1/2" (165) | 3.2 | (0.297) | 8'-3 3/16" (2529) | 0.9 | (0.082) | 56 1/16" (1424) | 4.8 | (0.446) | | | | |
| AW251 | 1.1 | (0.100) | 23 3/4" (603) | 6 1/2" (165) | 3.9 | (0.362) | 8'-11 11/16" (2735) | 1.1 | (0.100) | 56 1/16" (1424) | 5.6 | (0.520) | | | | |
| AW281 | 1.2 | (0.113) | 26 7/8" (683) | 6 1/2" (165) | 4.4 | (0.409) | 9'-0 1/2" (2756) | 1.2 | (0.113) | 56 1/16" (1424) | 6.2 | (0.576) | | | | |

* The maximum clear opening of the A335 unit in normal operation is 6 1/8". The operator can be detached from the sash of the A335 unit to obtain a clear opening of 26 5/8".

** All information is for bottom venting unit.

NOTE: Floor to sill heights are calculated based upon a structural header height of 6'-10 1/2".

Awning Window Opening Specifications – Continued

| Unit Number | Clear Opening Sq. Ft. (m²) | | Clear Opening in Full Open Position | | Glass Sq. Ft. (m²) | | Crack Opening Vent Sash Only Lineal Ft. (mm) | | Vent Sq. Ft. (m²) | | Top of Subfloor to Top of Inside Sill Stop Inches (mm) | | Overall Unit Area Sq. Ft. (m²) | |
|-------------|-------------------------------|---------|-------------------------------------|-----------------------|-----------------------|---------|--|--|----------------------|---------|---|--|--------------------------------------|---------|
| | | | Width Inches (mm) | Height Inches (mm) | | | | | | | | | | |
| AW31 | 1.4 | (0.131) | 31 5/16" (795) | 6 1/2" (165) | 5.2 | (0.483) | 10'-3 3/16" (3129) | | 1.4 | (0.131) | 56 1/16" (1424) | | 7.1 | (0.660) |
| AW351 | 1.6 | (0.152) | 36 3/16" (919) | 6 1/2" (165) | 6.0 | (0.557) | 11'-0 15/16" (3377) | | 1.6 | (0.152) | 56 1/16" (1424) | | 8.0 | (0.743) |
| AW41 | 2.0 | (0.182) | 43 3/8" (1102) | 6 1/2" (165) | 7.2 | (0.669) | 12'-3 5/16" (3742) | | 2.0 | (0.182) | 56 1/16" (1424) | | 9.5 | (0.883) |
| AW451 | 2.2 | (0.202) | 48 3/16" (1224) | 6 1/2" (165) | 8.0 | (0.743) | 13'-0 15/16" (3986) | | 2.2 | (0.202) | 56 1/16" (1424) | | 10.4 | (0.966) |
| AW51 | 2.5 | (0.233) | 55 1/2" (1410) | 6 1/2" (165) | 9.2 | (0.855) | 14'-3 1/16" (4345) | | 2.5 | (0.233) | 56 1/16" (1424) | | 11.8 | (1.096) |
| AW551 | 2.7 | (0.252) | 60 3/16" (1529) | 6 1/2" (165) | 10.0 | (0.929) | 15'-0 15/16" (4596) | | 2.7 | (0.252) | 56 1/16" (1424) | | 12.8 | (1.189) |
| AW61 | 3.0 | (0.283) | 67 1/2" (1715) | 6 1/2" (165) | 11.2 | (1.040) | 16'-3 1/16" (4955) | | 3.0 | (0.283) | 56 1/16" (1424) | | 14.2 | (1.319) |
| AW221 | 0.9 | (0.082) | 19 1/2" (495) | 6 1/2" (165) | 6.4 | (0.595) | 16'-7 1/8" (5058) | | 1.8 | (0.164) | 56 1/16" (1424) | | 9.6 | (0.892) |
| AW2251 | 1.1 | (0.100) | 23 3/4" (603) | 6 1/2" (165) | 7.8 | (0.725) | 17'-11 3/8" (5471) | | 2.1 | (0.199) | 56 1/16" (1424) | | 11.2 | (1.040) |
| AW2281 | 1.2 | (0.113) | 26 7/8" (683) | 6 1/2" (165) | 8.8 | (0.818) | 18'-1" (5512) | | 2.4 | (0.225) | 56 1/16" (1424) | | 12.4 | (1.152) |
| AW231 | 1.4 | (0.131) | 31 7/16" (795) | 6 1/2" (165) | 10.4 | (0.966) | 20'-6 3/8" (6258) | | 2.8 | (0.263) | 56 1/16" (1424) | | 14.2 | (1.319) |
| AW321 | 0.9 | (0.082) | 19 1/2" (495) | 6 1/2" (165) | 9.6 | (0.892) | 24'-10 11/16" (7587) | | 2.6 | (0.245) | 56 1/16" (1424) | | 14.4 | (1.338) |
| AW3251 | 1.1 | (0.100) | 23 3/4" (603) | 6 1/2" (165) | 11.7 | (1.087) | 26'-11 1/16" (8206) | | 3.2 | (0.299) | 56 1/16" (1424) | | 16.8 | (1.561) |
| AX251 | 1.1 | (0.100) | 23 3/4" (603) | 6 1/2" (165) | 4.4 | (0.412) | 9'-0 1/2" (2756) | | 1.1 | (0.100) | 53 15/16" (1370) | | 6.2 | (0.577) |
| AX281 | 1.2 | (0.113) | 26 7/8" (683) | 6 1/2" (165) | 5.0 | (0.467) | 10'-0 1/16" (3050) | | 1.2 | (0.113) | 53 15/16" (1370) | | 6.9 | (0.640) |
| AX31 | 1.4 | (0.131) | 31 5/16" (795) | 6 1/2" (165) | 5.9 | (0.544) | 10'-0 13/16" (3069) | | 1.4 | (0.131) | 53 15/16" (1370) | | 7.9 | (0.730) |
| AX351 | 1.6 | (0.152) | 36 3/16" (919) | 6 1/2" (165) | 6.8 | (0.629) | 11'-0 5/8" (3369) | | 1.6 | (0.152) | 53 15/16" (1370) | | 8.9 | (0.829) |
| AX41 | 2.0 | (0.182) | 43 3/8" (1102) | 6 1/2" (165) | 8.1 | (0.755) | 12'-0 13/16" (3678) | | 2.0 | (0.182) | 53 15/16" (1370) | | 10.5 | (0.975) |
| AX451 | 2.2 | (0.202) | 48 3/16" (1224) | 6 1/2" (165) | 9.0 | (0.839) | 13'-0 5/8" (3978) | | 2.2 | (0.202) | 53 15/16" (1370) | | 11.6 | (1.073) |
| AX51 | 2.5 | (0.233) | 55 1/2" (1410) | 6 1/2" (165) | 10.4 | (0.963) | 14'-0 3/4" (4286) | | 2.5 | (0.233) | 53 15/16" (1370) | | 13.1 | (1.217) |
| AX551 | 2.7 | (0.252) | 60 3/16" (1529) | 6 1/2" (165) | 11.3 | (1.049) | 15'-0 5/8" (4588) | | 2.7 | (0.252) | 53 15/16" (1370) | | 14.2 | (1.317) |
| AX61 | 3.0 | (0.283) | 67 1/2" (1715) | 6 1/2" (165) | 12.6 | (1.172) | 16'-0 3/4" (4896) | | 3.0 | (0.283) | 53 15/16" (1370) | | 15.7 | (1.461) |
| AX2251 | 1.1 | (0.100) | 23 3/4" (603) | 6 1/2" (165) | 8.9 | (0.824) | 18'-1" (5512) | | 2.1 | (0.199) | 53 15/16" (1370) | | 12.4 | (1.153) |
| AX2281 | 1.2 | (0.113) | 26 7/8" (683) | 6 1/2" (165) | 10.0 | (0.933) | 20'-0 1/8" (6099) | | 2.4 | (0.225) | 53 15/16" (1370) | | 13.8 | (1.280) |
| AX231 | 1.4 | (0.131) | 31 7/16" (795) | 6 1/2" (165) | 11.7 | (1.088) | 20'-1 5/8" (6137) | | 2.8 | (0.263) | 53 15/16" (1370) | | 15.7 | (1.461) |
| AX3251 | 1.1 | (0.100) | 23 3/4" (603) | 6 1/2" (165) | 13.3 | (1.236) | 27'-1 1/2" (8268) | | 3.2 | (0.299) | 53 15/16" (1370) | | 18.6 | (1.730) |
| AXW281 | 1.2 | (0.113) | 26 7/8" (683) | 6 1/2" (165) | 5.8 | (0.539) | 10'-0 13/16" (3069) | | 1.2 | (0.113) | 48 1/2" (1232) | | 7.9 | (0.734) |
| AXW31 | 1.4 | (0.131) | 31 5/16" (795) | 6 1/2" (165) | 6.8 | (0.632) | 11'-6 5/16" (3513) | | 1.4 | (0.131) | 48 1/2" (1232) | | 9.0 | (0.836) |
| AXW351 | 1.6 | (0.152) | 36 3/16" (919) | 6 1/2" (165) | 7.9 | (0.734) | 12'-4 1/16" (3761) | | 1.6 | (0.152) | 48 1/2" (1232) | | 10.2 | (0.948) |
| AXW41 | 2.0 | (0.182) | 43 3/8" (1102) | 6 1/2" (165) | 9.5 | (0.883) | 13'-6 7/16" (4126) | | 2.0 | (0.182) | 48 1/2" (1232) | | 12.0 | (1.115) |
| AXW451 | 2.2 | (0.202) | 48 3/16" (1224) | 6 1/2" (165) | 10.5 | (0.975) | 14'-4 1/16" (4370) | | 2.2 | (0.202) | 48 1/2" (1232) | | 13.2 | (1.226) |
| AXW51 | 2.5 | (0.233) | 55 1/2" (1410) | 6 1/2" (165) | 12.1 | (1.124) | 15'-6 3/16" (4729) | | 2.5 | (0.233) | 48 1/2" (1232) | | 14.9 | (1.384) |
| AXW551 | 2.7 | (0.252) | 60 3/16" (1529) | 6 1/2" (165) | 13.1 | (1.217) | 16'-4 1/16" (4980) | | 2.7 | (0.252) | 48 1/2" (1232) | | 16.2 | (1.505) |
| AXW61 | 3.0 | (0.283) | 67 1/2" (1715) | 6 1/2" (165) | 14.7 | (1.366) | 17'-6 3/16" (5339) | | 3.0 | (0.283) | 48 1/2" (1232) | | 17.9 | (1.663) |
| AXW2281 | 1.2 | (0.113) | 26 7/8" (683) | 6 1/2" (165) | 11.6 | (1.078) | 20'-1 5/8" (6137) | | 2.4 | (0.225) | 48 1/2" (1232) | | 15.8 | (1.468) |
| AXW231 | 1.4 | (0.131) | 31 3/8" (795) | 6 1/2" (165) | 13.6 | (1.263) | 23'-0 5/8" (7026) | | 2.8 | (0.263) | 48 1/2" (1232) | | 18.0 | (1.672) |
| A335* | 5.8 | (0.539) | 31 5/16" (795) | 26 5/8" (676) | 7.0 | (0.650) | 11'-7 15/16" (3554) | | 1.3 | (1.210) | 43 11/16" (1110) | | 10.2 | (0.948) |
| A3535 | 1.6 | (0.139) | 36 3/16" (943) | 6 1/2" (165) | 8.1 | (0.752) | 12'-5 11/16" (3802) | | 1.6 | (0.152) | 43 11/16" (1110) | | 11.5 | (1.068) |
| AP32V | 1.4 | (0.121) | 31 5/16" (795) | 6 1/2" (165) | 9.4 | (0.873) | 13'-6 7/16" (4126) | | 1.4 | (0.131) | 36 7/16" (926) | | 12.0 | (1.115) |
| AP352V | 1.6 | (0.139) | 36 3/16" (919) | 6 1/2" (165) | 10.9 | (1.013) | 14'-4 3/16" (4374) | | 1.6 | (0.152) | 36 7/16" (926) | | 13.6 | (1.263) |
| AP42V | 2.0 | (0.167) | 43 3/8" (1102) | 6 1/2" (165) | 13.1 | (1.217) | 15'-6 9/16" (4739) | | 2.0 | (0.182) | 36 7/16" (926) | | 16.0 | (1.486) |
| A212 | 0.9 | (0.082) | 19 1/2" (495) | 6 1/2" (165) | 5.2 | (0.483) | 15'-2 1/8" (4626) | | 0.9 | (0.164) | 60 5/16" (1532) | | 8.0 | (0.743) |
| A213 | 0.9 | (0.082) | 19 1/2" (495) | 6 1/2" (165) | 7.8 | (0.725) | 22'-9 3/16" (6939) | | 0.9 | (0.245) | 60 5/16" (1532) | | 12.0 | (1.115) |
| A312 | 1.4 | (0.131) | 31 5/16" (795) | 6 1/2" (165) | 8.6 | (0.799) | 19'-1 3/8" (5826) | | 1.4 | (0.263) | 60 5/16" (1532) | | 12.0 | (1.115) |
| A313 | 1.4 | (0.131) | 31 5/16" (795) | 6 1/2" (165) | 12.9 | (1.198) | 28'-8 1/16" (8739) | | 1.4 | (0.394) | 60 5/16" (1532) | | 18.0 | (1.672) |
| PA3050** | 1.4 | (0.131) | 31 5/16" (795) | 6 1/2" (165) | 4.3 | (0.399) | 9'-6 11/16" (2913) | | 1.4 | (0.131) | 60 5/16" (1532) | | 6.0 | (0.557) |
| PA3060** | 1.4 | (0.131) | 31 5/16" (795) | 6 1/2" (165) | 4.3 | (0.399) | 9'-6 11/16" (2913) | | 1.4 | (0.131) | 60 5/16" (1532) | | 6.0 | (0.557) |
| PA3550** | 1.6 | (0.152) | 36 3/16" (919) | 6 1/2" (165) | 4.9 | (0.455) | 10'-4 1/16" (3161) | | 1.6 | (0.152) | 60 5/16" (1532) | | 6.8 | (0.632) |
| PA3560** | 1.6 | (0.152) | 36 3/16" (919) | 6 1/2" (165) | 4.9 | (0.455) | 10'-4 1/16" (3161) | | 1.6 | (0.152) | 60 5/16" (1532) | | 6.8 | (0.632) |
| PA4060** | 2.0 | (0.182) | 43 3/8" (1102) | 6 1/2" (165) | 5.9 | (0.548) | 11'-6 13/16" (3526) | | 2.0 | (0.182) | 60 5/16" (1532) | | 8.0 | (0.743) |
| AXW312 | 1.4 | (0.131) | 31 1/3" (795) | 6 1/2" (165) | 13.6 | (1.263) | 23'-0 5/8" (7026) | | 1.4 | (0.263) | 48 1/2" (1232) | | 18.0 | (1.672) |

* The maximum clear opening of the A335 unit in normal operation is 6 1/8". The operator can be detached from the sash of the A335 unit to obtain a clear opening of 26 5/8".

** All information is for bottom venting unit.

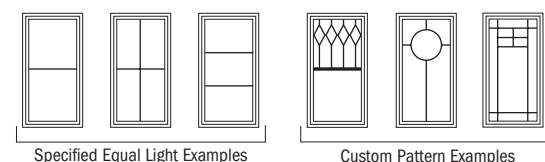
NOTE: Floor to sill heights are calculated based upon a structural header height of 6'-10 1/2".

CASEMENT & AWNING WINDOWS

Standard Divided Light Patterns for Casement Windows

| Unit Number | Colonial | Modified Colonial* | Tall Fractional* | Short Fractional* | Prairie A | Diamond* |
|--|----------|--------------------|------------------|-------------------|-----------|--|
| CR12 C12 CR125 C125 CN12 CW12 CN125 CW125 | | | | | | |
| CR13 C13 CR135 C135 CN13 CW13 CN135 CW135 | | | | | | |
| CR14 C14 CR145 C145 CN14 CW14 CN145 CW145 | | | | | | |
| CR15 C15 CR155 C155 CN15 CW15 CN155 CW155 | | | | | | |
| CR16 C16 CN16 CW16 | | | | | | |
| | | | | | | CR14 C14 CN14 CW14 |
| | | | | | | CR145 C145 CN145 C155 C145 C155 CW145 CW155 CR15 CR16 CN15 CN16 C15 C16 CW15 CW16 |
| CX125 | | | | | | |
| CX13 CXW13 CX135 CXW135 | | | | | | |
| CX14 CXW14 CX145 CXW145 | | | | | | |
| CX15 CXW15 CX155 CXW155 | | | | | | |
| CX16 CXW16 | | | | | | |
| | | | | | | CX14 CXW14 |
| | | | | | | CX145 CX155 CXW145 CX155 CX15 CX16 CXW15 CXW16 |

Specified equal light and custom patterns are also available.
For more information on Andersen divided light, see page 5
or visit andersenwindows.com/grilles.



Standard Divided Light Patterns for Awning Windows































| Unit Number | Colonial | Prairie A | Diamond* |
|---|----------|-----------|---|
| AR21 AR251 AN21 AN251 A21 A251 AW21 AW251 AX251 | | | |
| AR281 AR31 AR351 AN281 AN31 AN351 A281 A31 A351 AW281 AW31 AW351 AX281 AX31 AX351 AXW281 AXW31 AXW351 A351 A3535 AP32V AP352V | | | |
| AR41 AR451 AN41 AN451 A41 A451 AW41 AW451 AX41 AX451 AXW41 AXW451 AP42V | | | |
| AR51 AR551 AN51 AN551 A51 A551 AW51 AW551 AX51 AX551 AXW51 AXW551 AR61 AN61 A61 AW61 AX61 AXW61 | | | |
| | | | AR41 A451 AN41 AW451 A41 AR51 AW41 AN51 AR451 A51 AN451 AW51 AX41 AXW451 AXW41 AX51 AX451 AXW51 AR551 AR61 AN551 AN61 A551 A61 AW551 AW61 AX551 AX61 AXW551 AXW61 |




















































* Also available with
a 2 1/4" grille to
simulate a check rail.

♦ Diamond grilles are available for 400 Series casement windows only and
are only available in Simulated Divided Light (SDL) and 3/4" and 7/8" widths.

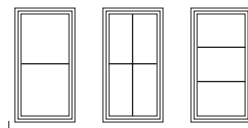
Standard Divided Light Patterns for Casement and Awning Transom Windows

| | | | | | | | |
|---|---|---|---|---|---|---|---|
|  CTR1510 |  CTR1810 |  CTR2010 |  CTR2410 |  CTR2810 |  CTR3010 |  CTR2910 |  CTR3410 |
| | | | | | | |  CTR21810 |
|  CTR4010 |  CTR4810 |  CTR5210 |  CTR51110 |  CTR5110 |  CTR6010 |  CTR7010 | |
|  CTR22010 |  CTR22410 |  CTR22810 |  CTR23010 |  CTR31810 |  CTR32010 |  CTR32410 | |
|  PTR3010 |  PTR3510 |  PTR4010 |  PTR4510 |  PTR5010 |  PTR5510 |  PTR6010 | |

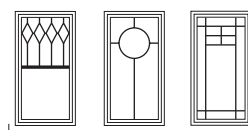
Standard Divided Light Patterns for Casement and Awning Picture Windows

| Unit Number | Colonial | Modified Colonial* | Tall Fractional* | Short Fractional* | Victorian | Prairie A | Diamond♦ |
|----------------------------|---|---|---|---|---|---|--|
| P3030 P3530 P3035 P3535 |  |  |  |  | |  |  P3030 P3035 P3530 P3535 |
| P3040 P3540 P3045 P3545 |  |  |  |  | |  |  P3040 P3545 P3540 P3050 P3045 P3550 |
| P3050 P3550 P3055 P3555 |  |  |  |  | |  |  P3055 P3060 P3555 P3560 |
| P3060 P3560 |  |  |  |  | |  | |
| P4030 P4530 P4035 P4535 |  |  |  |  | |  |  P4030 P4035 P4530 P4535 P5030 P5035 |
| P4040 P4540 P4045 P4545 |  |  |  |  |  |  |  P4040 P5045 P4540 P4050 P5040 P4550 P4045 P5050 P4545 |
| P4050 P4550 P4055 P4555 |  |  |  |  |  |  |  P4050 P4060 P4555 P4560 P5055 P5060 |
| P4060 P4560 |  |  |  |  |  |  | |

Specified equal light and custom patterns are also available. For more information on Andersen divided light, see page 5 or visit andersenwindows.com/grilles.



Specified Equal Light Examples



Custom Pattern Examples



* Also available with a 2 1/4" grille to simulate a check rail.

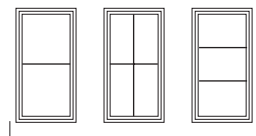
♦ Diamond grilles are available for 400 Series casement windows only and are only available in Simulated Divided Light (SDL) and 3/4" and 7/8" widths.

CASEMENT & AWNING WINDOWS

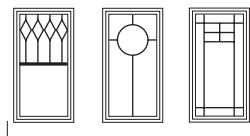
Standard Divided Light Patterns for Casement and Awning Picture Windows – Continued

| Unit Number | Colonial | Modified Colonial* | Tall Fractional* | Short Fractional* | Victorian | Prairie A | Diamond ♦ |
|----------------------------|----------|--------------------|------------------|-------------------|-----------|-----------|---|
| P5030 P5530 P5035 P5535 | | | | | | | |
| P5040 P5540 P5045 P5545 | | | | | | | P5530 P5535 P6030 P6035 |
| P5050 P5550 P5055 | | | | | | | P5540 P6040 P5545 P6045 P5550 P6050 |
| P5060 | | | | | | | |
| P6030 P6035 | | | | | | | |
| P6040 P6045 | | | | | | | |
| P6050 | | | | | | | |

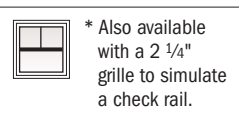
Specified equal light and custom patterns are also available. For more information on Andersen divided light, see page 5 or visit andersenwindows.com/grilles.



Specified Equal Light Examples



Custom Pattern Examples

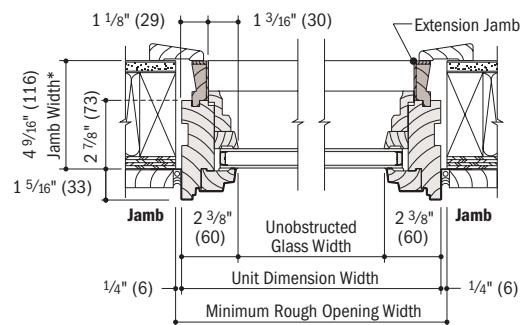


* Also available with a 2 1/4" grille to simulate a check rail.

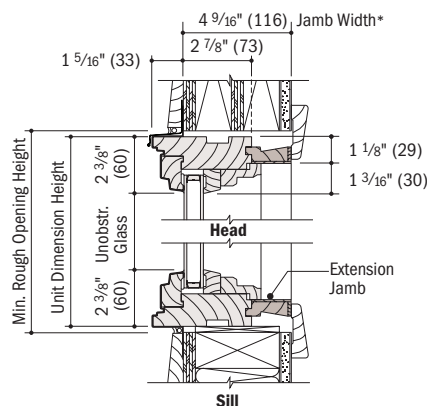
♦ Diamond grilles are available for 400 Series casement windows only and are only available in Simulated Divided Light (SDL) and 3/4" and 7/8" widths.

Picture and Transom Unit Rough Opening and Joining Details

Scale 1 1/2" = 1'-0" (1:8)

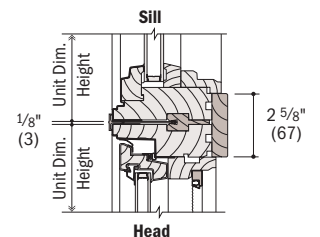


Horizontal Section Picture or Transom Unit



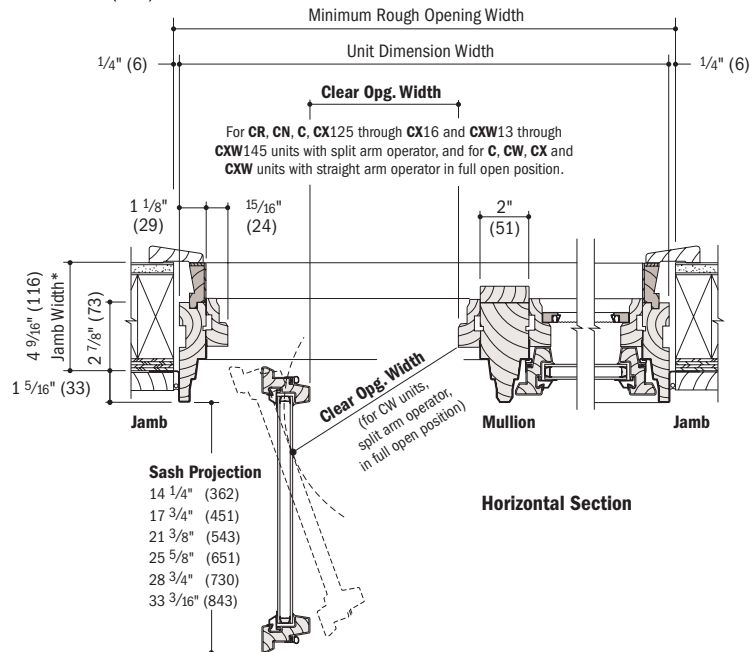
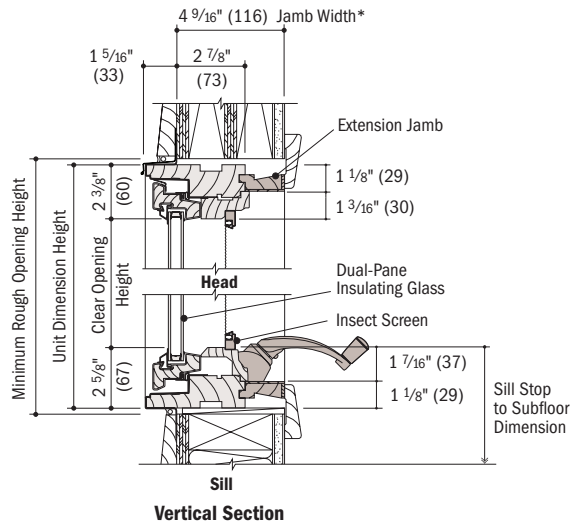
Vertical Section Picture or Transom Unit

* 4 9/16" measurement is from backside of anchoring flange to edge of extension jamb.

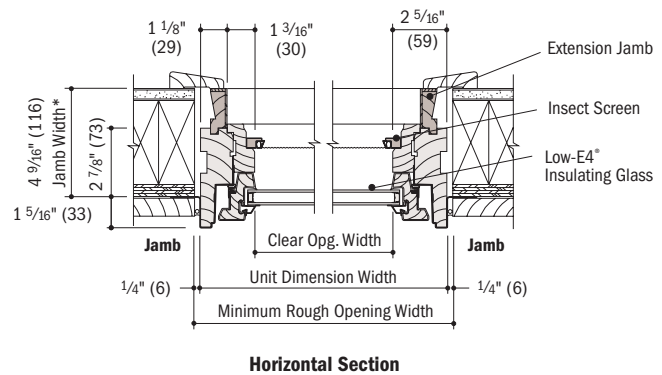
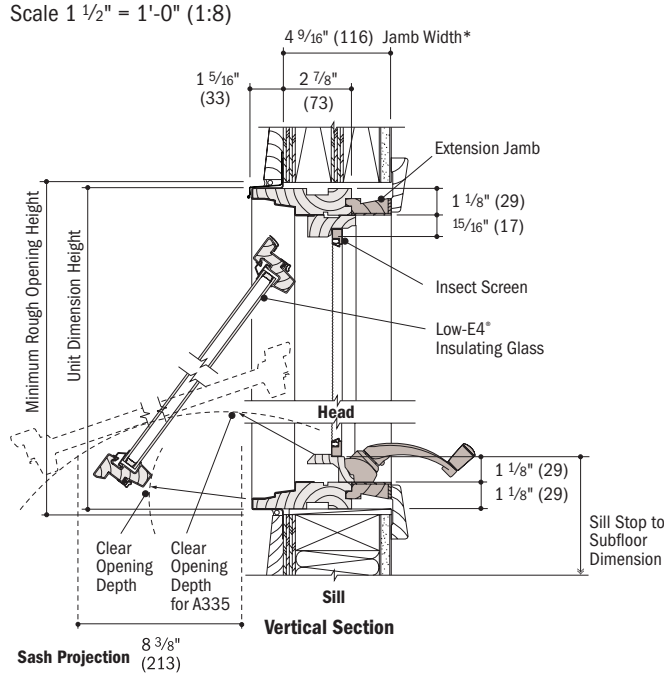


Vertical Section Transom/Casement Joining

Casement Basic Unit and Rough Opening Details Scale 1 1/2" = 1'-0" (1:8)



Awning Basic Unit and Rough Opening Details Scale 1 1/2" = 1'-0" (1:8)



* 4 9/16" measurement is from backside of anchoring flange to edge of extension jamb.

- Rough opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 13 for more details.
- NOTE: Floor to sill heights are calculated based upon a structural header height of 6'-10 1/2".
- Light-colored areas are Andersen® parts included with the unit. Dark-colored areas are additional Andersen parts required to complete unit assembly as shown and must be specifically ordered.

Joining Methods Scale 1 1/2" = 1'-0" (1:8)

Andersen® Non-Reinforced Transom

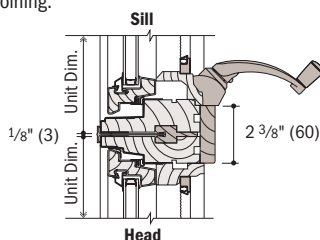
Joining basic casement, awning or picture units by stacking to form combinations (casement over awning detail shown).

Overall Unit Dimension Height:

The sum of individual Unit Dimension Heights, plus 1/8" (3mm) for each unit joining.

Overall Rough Opening Height:

Add 1/2" (13mm) to Overall Unit Dimension Height.



Andersen® Non-Reinforced Mullion

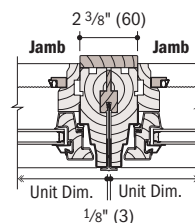
Joining basic casement, awning or picture units to form multiple combinations without vertical structural support between units (casement to casement detail shown).

Overall Unit Dimension Width:

The sum of individual Unit Dimension Widths, plus 1/8" (3mm) for each unit joining.

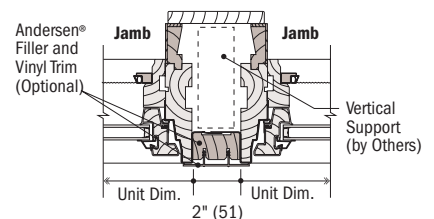
Overall Rough Opening Width:

Add 1/2" (13mm) to Overall Unit Dimension Width.



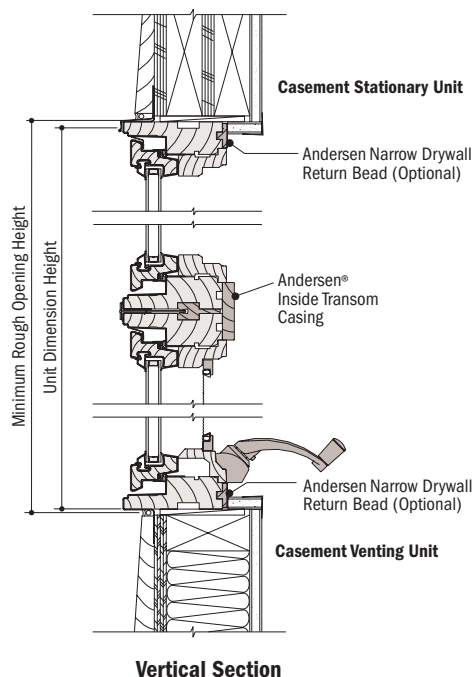
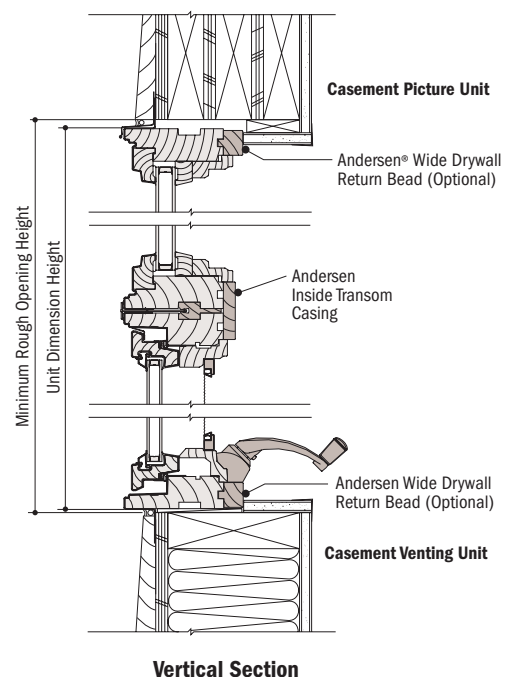
Separate Rough Openings

To meet structural requirements or to achieve a wider mull appearance, you can install units into separate rough openings using vertical supports (supplied by others) in combination with Andersen® exterior filler and vinyl trim.

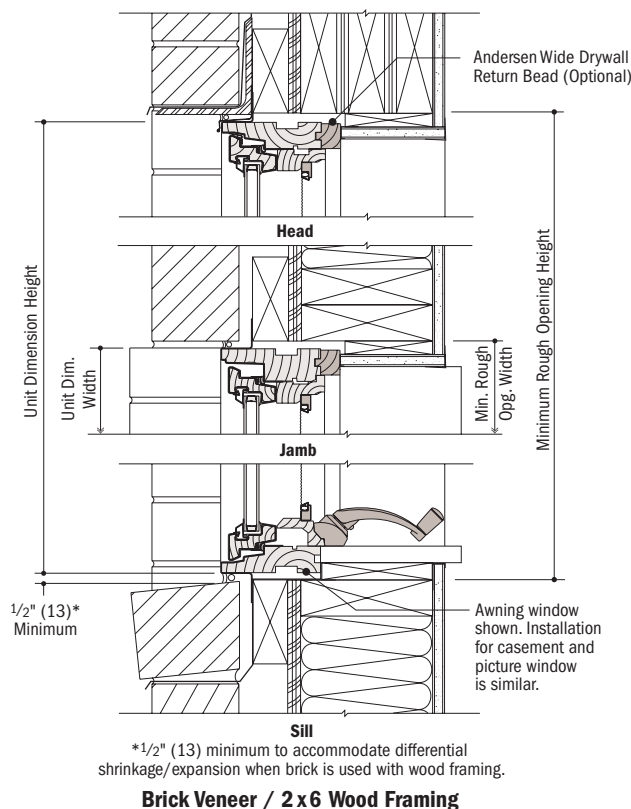
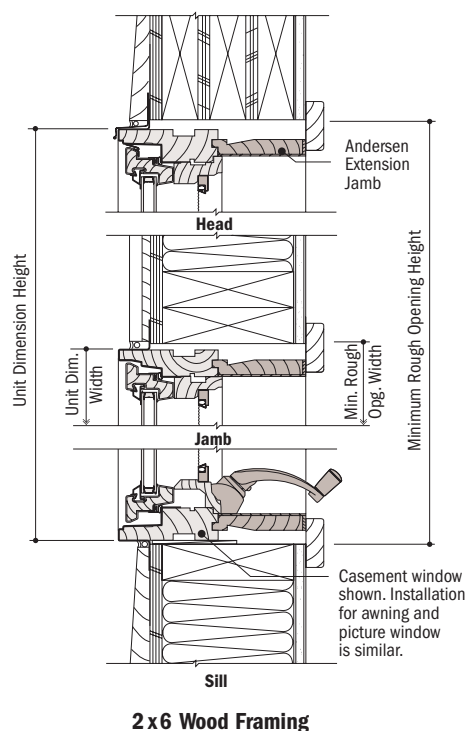


CASEMENT & AWNING WINDOWS

Drywall Return Bead Applications Scale 1 1/2" = 1'-0" (1:8)



Product Applications Scale 1 1/2" = 1'-0" (1:8)



Rough opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 13 for more details.

CAUTION: In masonry wall construction, provide a minimum of 1/2" clearance from the top of the brick or masonry to the bottom of any portion of the sill. Failure to do so could result in product damage.

Fill the void with closed cell foam backer rod and sealant. Be sure to allow for dimensional change of framework.

Light-colored areas are Andersen® parts included with the unit. Dark-colored areas are additional Andersen parts required to complete unit assembly as shown and must be specifically ordered.

Proper installation and maintenance of Andersen products is essential to attain optimum performance and operation. Written installation instructions which provide guidelines for proper installation are typically provided with Andersen products. They are also available from your local Andersen supplier or by visiting andersenwindows.com. Remember that every installation is different, and Andersen strongly recommends consultation with the local supplier or an experienced contractor, architect or structural engineer prior to the installation of any Andersen product. The method of attachment for Andersen products, fastener selection and code compliance is the responsibility of the architect, building owner, contractor, installer and/or consumer. For complete installation details, refer to "Product Installation Details" at andersenwindows.com or contact your Andersen supplier.