

CASEMENT & AWNING WINDOWS



Twenty-one exterior colors plus eight interior finishes provide lively design options.

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Architectural casement and awning windows offer easy operation along with Old-World elegance and style.

Features

FRAME

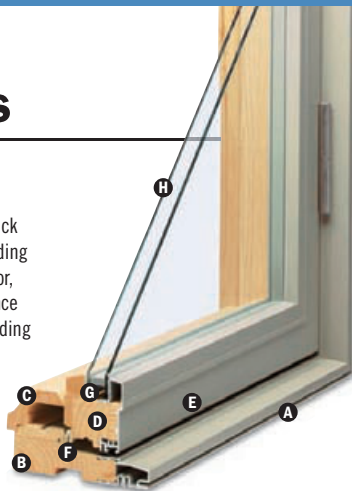
A Heavy-duty .050" thick extruded aluminum cladding protects the frame exterior, providing low-maintenance durability. Standard cladding finish meets AAMA 2604.

An optional finish that meets the AAMA 2605 standard is available.

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

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

Installation flange extends 1 1/2" (38) around the perimeter of the unit for positioning and locating. Installation clips are standard for increased structural anchoring to building members. Mounted around the frame perimeter, the clips rotate into position and can be bent into place against the framing members to suit all jamb conditions.



SASH

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

E Heavy-duty .050" thick extruded aluminum cladding protects the sash exterior, providing low-maintenance durability.

F Weatherstripping throughout the unit provides long-lasting* energy-efficient seal. Rain skirt is factory installed on the perimeter of the sash.

G Silicone glazing bead combined with two-sided silicone tape provides superior weathertightness.

GLASS



H 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.)

PATTERNED GLASS

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

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 on rectangular units. Archtop and Springline™ units use the same Smooth Control™ hardware system with stainless steel hinges for smooth operation. (Hardware option and finish must be specified.)



Awning Sash Locks

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



French Casement

Andersen architectural French casements offer smooth operating multi-point locking mechanisms and hinges. This allows both sash to swing outward from the center, eliminating a center mullion post. The multi-point lock is activated with a single turn of a handle and simultaneously secures both sash. French casement windows have a unique locking handle. French casement hardware is available in all finishes except distressed bronze and distressed nickel.

* 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



Grilles are available to match the window's interior and exterior. Naturally occurring variations in grain, color and texture make each wood casement window one-of-a-kind.

Estate™ Hardware



Available in bright brass, antique brass, polished chrome, brushed chrome, satin nickel, oil rubbed bronze, distressed nickel and distressed bronze.

Folding Hardware

Folding handles avoid interference with window treatments.



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.

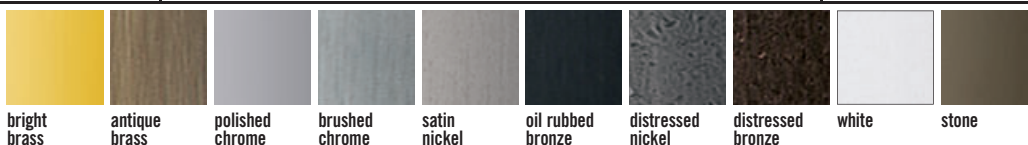
Classic Series™ Hardware



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.



Single-Actuation Casement Lock

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

PREFINISHED INTERIOR

Andersen® architectural casement windows are available with prefinished white interior frame, sash and stops.



Architectural casement windows are available with Stormwatch® protection. Contact your Andersen supplier.

FRAME



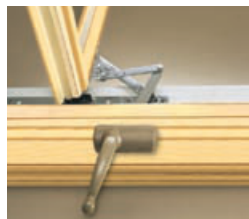
Extension Jamb

Architectural casement jamb depth is 3 3/8" (86). 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 with a low-maintenance white finish. All extension jambs are available for jobsite application or can be factory applied.

HARDWARE



Corrosion-Resistant Components*

Corrosion-resistant hinge and operator arm hardware kits are made with high-quality stainless steel. They are designed for harsh and corrosive environment applications such as heavy industrial or coastal areas.

SPECIAL USE OPERATORS



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. Andersen Classic Series™ design only.



Metal T-Handle

Our smallest operator, 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@andersenwindow.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.

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.

Conventional Insect Screen

Conventional insect screens have charcoal powder-coated aluminum screen cloth. Frames are available in white and stone.

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

andersenwindows.com

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

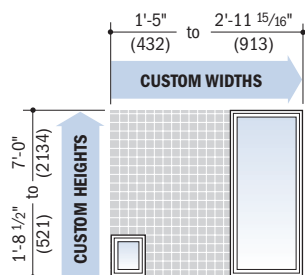
CAUTION:

- 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.

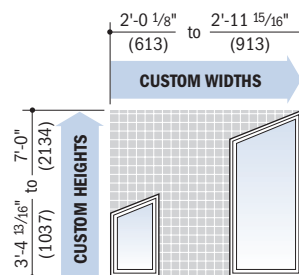
ARCHITECTURAL CASEMENT & AWNING WINDOWS

Product Style and Size Range Scale $\frac{1}{8}" = 1'-0"$ (1:96)

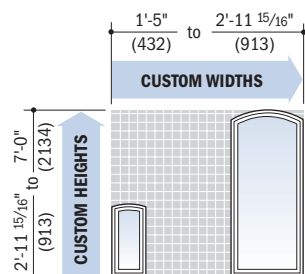
Rectangle Casement Window Sizes



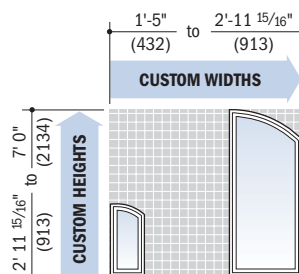
Trapezoid* Casement Window Sizes



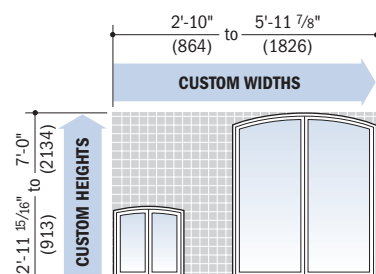
Single Archtop* Casement Window Sizes



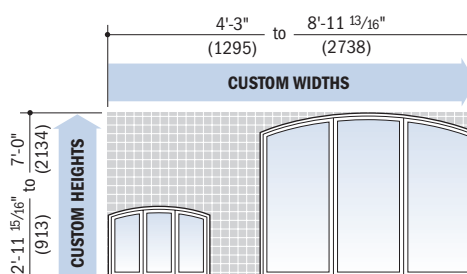
Unequal Leg Arch Casement Window Sizes



Twin Archtop* Casement Window Sizes



Triple Archtop* Casement Window Sizes



Standard Sizes

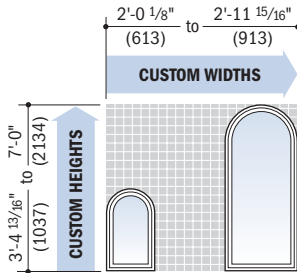
Standard sizes are available to complement Andersen® 400 Series and 200 Series products. For complete standard size tables visit andersenwindows.com or contact your Andersen supplier for details.

* If the exterior wall cladding extends beyond the face of the window frame cladding, you may experience a reduction in the amount of opening "swing" when the curved portion of the sash touches the curved portion of the wall cladding.

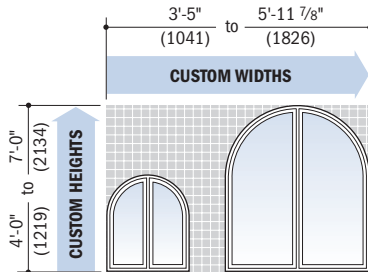
For specific unit dimensions, recommended rough opening dimensions and opening specifications, contact your Andersen supplier.

Product Style and Size Range Scale $\frac{1}{8}" = 1'-0"$ (1:96)

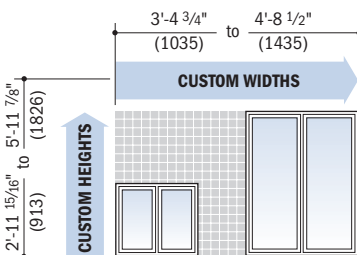
Springline™ Casement Window Sizes*



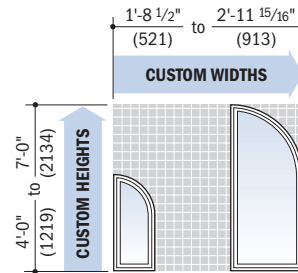
Twin Springline™ Casement Window Sizes*



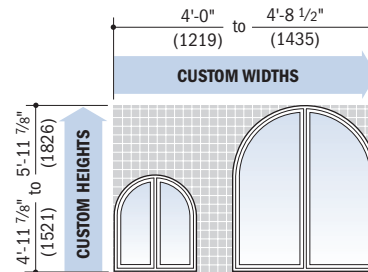
Rectangle French Casement Window Sizes



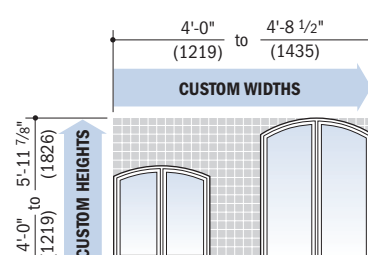
Springline™ Flanker Casement Window Sizes*



Springline™ French Casement Window Sizes*



Archtop French Casement Window Sizes



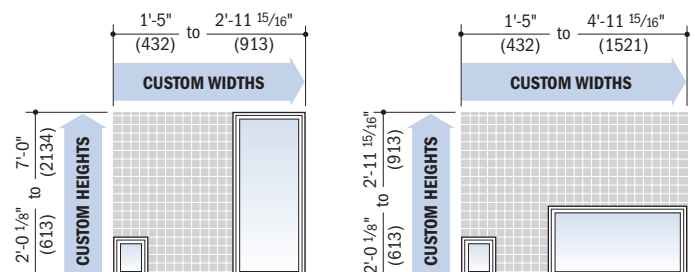
Standard Sizes

Standard sizes are available to complement Andersen® 400 Series and 200 Series products. For complete standard size tables visit andersenwindows.com or contact your Andersen supplier for details.

* If the exterior wall cladding extends beyond the face of the window frame cladding, you may experience a reduction in the amount of opening "swing" when the curved portion of the sash touches the curved portion of the wall cladding.

For specific unit dimensions, recommended rough opening dimensions and opening specifications, contact your Andersen supplier.

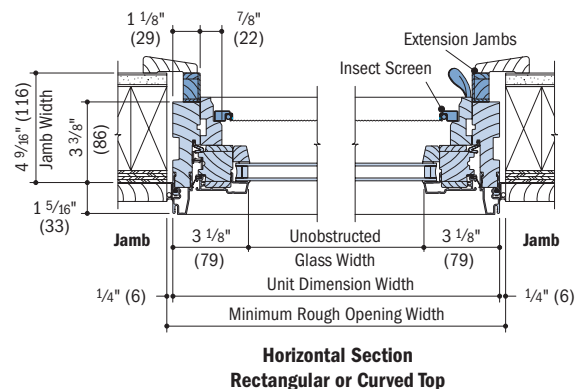
Awning Window Sizes



ARCHITECTURAL CASEMENT & AWNING WINDOWS

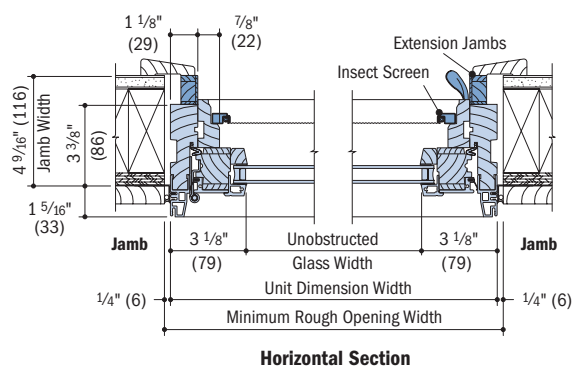
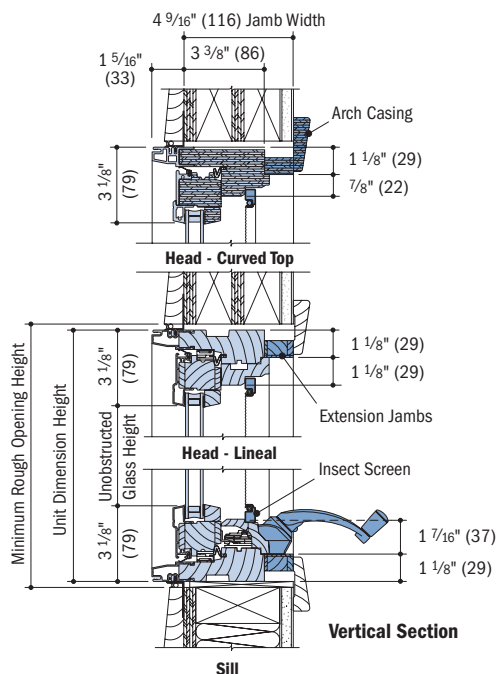
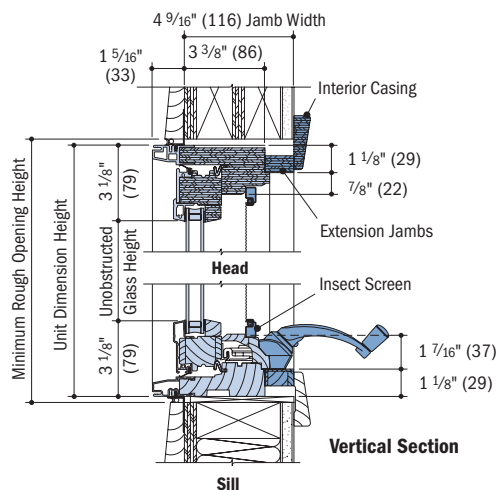
Clad Casement Unit and Rough Opening Details

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



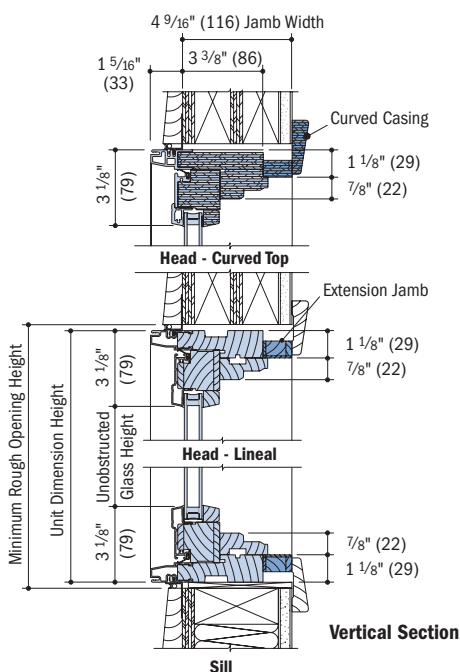
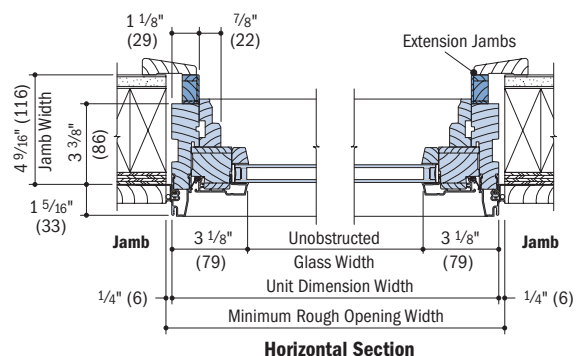
Clad Casement Springline™ Unit and Rough Opening Details

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



Clad Casement Fixed Picture and Transom Unit and Rough Opening Details

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



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.

BAY & BOW WINDOWS



Andersen® bay and bow windows are constructed using basic Woodwright®, tilt-wash and casement windows. See the individual product pages for detailed information on frame, sash, glass, hardware and accessories.

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Andersen® bay and bow units utilize all the qualities of individual Andersen Woodwright®, tilt-wash and casement windows, allowing you to create impressive batteries of light. Each is delivered as a complete unit to help speed installation.

Features

CASEMENT BAY & BOW WINDOWS

Some options must be specified to complete an order. These include color, glass and hardware.

A Pre-milled mullion posts join individual casement windows together into 30° angle bay, 45° angle bay, 90° box bay and 10° bow window units. Mullion posts lock into a channel in each adjoining casement window for a sturdy, easy-to-install unit. The exterior is sheathed with vinyl cladding; the interior is trimmed in natural wood, which can be finished to enhance any décor.

B Andersen® auxiliary casing is supplied as trim to finish the top of 30° angle bay, 45° angle bay and 10° bow windows. Auxiliary casing is an option for 90° box bay windows.

C Securing platforms made of 3/4" (19) plywood at the head and sill of bay and bow windows provide added strength to the assembly.

WOODWRIGHT® AND TILT-WASH DOUBLE-HUNG 30° AND 45° ANGLE BAY WINDOWS

Some options must be specified to complete an order. These include color and glass.

D Pre-milled mullion posts join individual units together into 30° angle bay and 45° angle bay window units for a sturdy, easy-to-install unit. The exterior is sheathed with vinyl cladding; the interior is trimmed in natural wood, which can be finished to enhance any décor.

E Andersen auxiliary casing is mitered, joined and installed as trim to finish the top of 30° and 45° angle bay windows. The wood casing is covered in vinyl cladding.

F Securing platforms made of 3/4" (19) plywood at the head and sill of bay windows provide added strength for the assembly.



30° Casement Angle Bay Window



10° Casement Bow Window



45° Double-Hung Angle Bay Window



90° Casement Box Bay Window

200 SERIES

Andersen® 200 Series casement windows are available in standard bay and bow configurations. Andersen 200 Series Narroline® double-hung windows are available in standard bay window configurations. Please see the size tables that follow in this section to identify 200 Series casement and 200 Series Narroline sizes that are available.

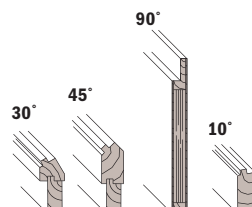
Installation of custom bay units having a projection greater than 24" requires the expertise of a structural engineer to determine needed structural support. Failure to use sufficient structural support could result in personal injury or damage to windows or other property. Each cable within the system can support a maximum load of 500 pounds. If the section of the window unit requiring support exceeds 500 pounds, additional support is needed.

Options

Sold separately. Please refer to the individual 400 Series and 200 Series product sections for a full list of options and accessories.

FRAME

Casement



Extension Jamb

Jamb depth is 2 7/8" (83). 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)

For 4 9/16" wall thickness on box or bow units order 5 1/4" (133) and trim to fit.



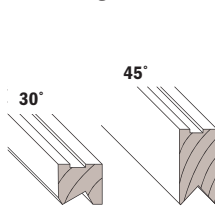
Head and Seat Boards

Pine veneer head and seat boards are available for the following wall thicknesses:

- 4 1/2" (114)
- 5 1/4" (133)
- 6 9/16" (167)
- 7 1/8" (181)

Oak veneer head and seat boards are available.

Double-Hung

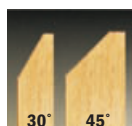


Extension Jamb

Jamb depth is 4 1/2" (114). Pine extension jambs are available for the following wall thicknesses:

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

The extension jamb adapters, which come with the assembled angle bay, satisfy a 4 1/2" (114) wall dimension. Some sizes are pine veneer.



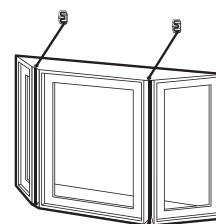
Head and Seat Boards

Pine veneer head and seat boards are available for the following wall thicknesses:

- 4 1/2" (114)
- 5 1/4" (133)
- 6 9/16" (167)
- 7 1/8" (181)

Oak veneer head and seat boards are available.

INSTALLATION



Cable Support

A cable provides additional support. Recommended for installations that extend out from the structure, without a framed support wall beneath the unit. Each cable within the system can support a maximum load of 500 pounds. If the section of the window unit requiring support exceeds 500 pounds, additional support is necessary. Failure to use sufficient structural support could result in personal injury or damage to windows or other property.

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

BAY & BOW WINDOWS

Table of 30° Casement Angle Bay Units






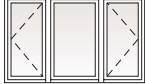

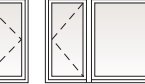
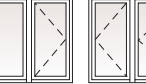
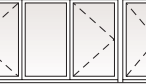










Projection *		13 3/4" (349)	13 3/4" (349)	13 3/4" (349)	13 3/4" (349)	13 3/4" (349)
						
WIDTHS						
HEIGHTS	Unit Dimension	5'-10" (1778)	7'-9 7/8" (2384)	7'-9 7/8" (2384)	9'-9 3/4" (2991)	9'-9 3/4" (2991)
	Minimum Rough Opening	5'-9 1/8" (1756)	7'-9" (2362)	7'-9" (2362)	9'-8 7/8" (2969)	9'-8 7/8" (2969)
	3'-1 7/16" (951)	30-C13-20	30-C23-20	30-P4030-20	30-C33-20	30-P6030-20
	3'-2" (965)					
	3'-6 5/16" (1075)	30-C135-20	30-C235-20	30-P4035-20	30-C335-20	30-P6035-20
	3'-6 7/8" (1089)					
	4'-1 1/2" (1257)	30-C14-20	30-C24-20	30-P4040-20	30-C34-20	30-P6040-20
	4'-2" (1270)					
	4'-6 5/16" (1380)	30-C145-20	30-C245-20	30-P4045-20	30-C345-20	30-P6045-20
	4'-6 7/8" (1394)					
	5'-1 3/8" (1559)	30-C15-20	30-C25-20	30-P4050-20	30-C35-20	30-P6050-20
	5'-1 7/8" (1572)					
	5'-6 5/16" (1684)	30-C155-20	30-C255-20	30-P4055-20	Proper support of projecting units required as per installation guidelines. Failure to do so may result in injury, product damage or property damage.	
	5'-6 7/8" (1699)					
	6'-1 3/8" (1864)	30-C16-20	30-C26-20	30-P4060-20		
	6'-1 7/8" (1876)					

Table of 45° Casement Angle Bay Units

Projection*		19 3/16" (487)	19 3/16" (487)	19 3/16" (487)	19 3/16" (487)	19 3/16" (487)
						
WIDTHS						
HEIGHTS	Unit Dimension	5'-4 1/8" (1629)	7'-3 7/8" (2232)	7'-3 7/8" (2232)	9'-3 3/4" (2838)	9'-3 3/4" (2838)
	Minimum Rough Opening	5'-2 5/8" (1591)	7'-2 1/2" (2197)	7'-2 1/2" (2197)	9'-2 3/8" (2804)	9'-2 3/8" (2804)
	3'-1 7/16" (951)	45-C13-20	45-C23-20	45-P4030-20	45-C33-20	45-P6030-20
	3'-2" (965)					
	3'-6 5/16" (1075)	45-C135-20	45-C235-20	45-P4035-20	45-C335-20	45-P6035-20
	3'-6 7/8" (1089)					
	4'-1 1/2" (1257)	45-C14-20	45-C24-20	45-P4040-20	45-C34-20	45-P6040-20
	4'-2" (1270)					
	4'-6 5/16" (1380)	45-C145-20	45-C245-20	45-P4045-20	45-C345-20	45-P6045-20
	4'-6 7/8" (1394)					
	5'-1 3/8" (1559)	45-C15-20	45-C25-20	45-P4050-20	45-C35-20	45-P6050-20
	5'-1 7/8" (1572)					
	5'-6 5/16" (1684)	45-C155-20	45-C255-20	45-P4055-20	Proper support of projecting units required as per installation guidelines. Failure to do so may result in injury, product damage or property damage.	
	5'-6 7/8" (1699)					
	6'-1 3/8" (1864)	45-C16-20	45-C26-20	45-P4060-20		
	6'-1 7/8" (1876)					

* Projection is the measurement from the outside of the exterior sheathing to the outer edge of the unit.

• 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.

• 200 Series casement bay windows are available for all sizes shown on this page.

• One Andersen® cable is included with the unit for proper installation. Each cable can support a maximum load of 500 pounds.

If the section of the window unit requiring support exceeds 500 pounds, additional support is necessary.

• Angle bay and bow windows are available in custom sizes. Contact your Andersen® supplier for more information.

• "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.

NOTE: Angle bay and bow windows include only the basic unit. Roof and other installation materials are by other manufacturers.

For walkout angle bay and bow window details and installation guidelines, contact your local Andersen supplier or visit our website at andersenwindows.com/adf_index.

Table of 90° Casement Box Bay Units





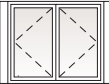

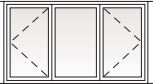

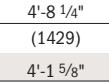
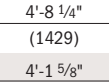
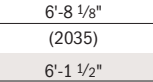
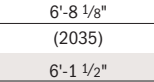
		Projection *		22 15/16" (583)	22 15/16" (583)	22 15/16" (583)	22 15/16" (583)
							
WIDTHS							
							
Unit Dimension				4'-8 1/4" (1429)	4'-8 1/4" (1429)	6'-8 1/8" (2035)	6'-8 1/8" (2035)
Minimum Rough Opening				4'-1 5/8" (1260)	4'-1 5/8" (1260)	6'-1 1/2" (1867)	6'-1 1/2" (1867)
HEIGHTS	3'-1 7/16" (951)	90-C23-15	90-P4030-15	90-C33-15	90-P6030-15		
	3'-2" (965)						
	3'-6 5/16" (1075)	90-C235-15	90-P4035-15	90-C335-15	90-P6035-15		
	3'-6 7/8" (1089)						
	4'-1 1/2" (1257)	90-C24-15	90-P4040-15	90-C34-15	90-P6040-15		
	4'-2" (1270)						
	4'-6 5/16" (1380)	90-C245-15	90-P4045-15	90-C345-15	90-P6045-15		
	4'-6 7/8" (1394)						
	5'-1 3/8" (1559)	90-C25-15	90-P4050-15	90-C35-15	90-P6050-15		
	5'-1 7/8" (1572)						
	5'-6 5/16" (1684)	90-C255-15	90-P4055-15	Proper support of projecting units required as per installation guidelines. Failure to do so may result in injury, product damage or property damage.			
	5'-6 7/8" (1699)						
6'-1 3/8" (1864)	90-C26-15	90-P4060-15					
6'-1 7/8" (1876)							

Table of 10° Casement Bow Window Units

		Projection *		5 9/16" (141)	9 13/16" (249)	14" (356)	20 5/16" (516)	26 3/8" (670)
WIDTHS								
HEIGHTS	Unit Dimension	6'-1 9/16"	8'-1 9/16"	10'-0 3/4"	11'-11 1/16"	13'-8 5/16"		
		(1868)	(2478)	(3067)	(3634)	(4174)		
	Minimum Rough Opening	6'-1 5/8"	8'-1 3/8"	10'-0 3/8"	11'-10 1/2"	13'-7 1/2"		
		(1862)	(2473)	(3058)	(3620)	(4153)		
	3'-1 7/16" (951)	C33 BOW	C43 BOW	C53 BOW	C63 BOW	C73 BOW		
	3'-2" (965)							
	3'-6 5/16" (1075)	C335 BOW	C435 BOW	C535 BOW	C635 BOW	C735 BOW		
	3'-6 7/8" (1089)							
	4'-1 1/2" (1257)	C34 BOW	C44 BOW	C54 BOW	C64 BOW	C74 BOW		
	4'-2" (1270)							
	4'-6 5/16" (1380)	C345 BOW	C445 BOW	C545 BOW	C645 BOW	C745 BOW		
	4'-6 7/8" (1394)							
	5'-1 3/8" (1559)	C35 BOW	C45 BOW	C55 BOW	C65 BOW	C75 BOW		
	5'-1 7/8" (1572)							
	5'-6 5/16" (1684)	C355 BOW	C455 BOW	C555 BOW	C655 BOW	C755 BOW		
	5'-6 7/8" (1699)							
	6'-1 3/8" (1864)	C36 BOW	C46 BOW	C56 BOW	C66 BOW	C76 BOW		
	6'-1 7/8" (1876)							

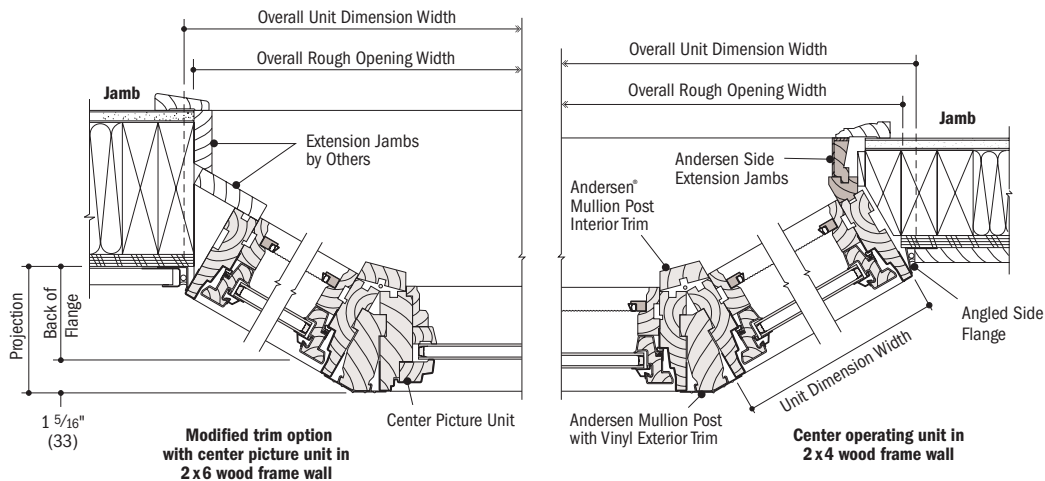
- * Projection is the measurement from the outside of the exterior sheathing to the outer edge of the unit.
- Rough opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 13 for more details.
 - 200 Series casement bay windows are available for all sizes shown on this page.
 - One Andersen® cable is included with the unit for proper installation. Each cable can support a maximum load of 500 pounds. If the section of the window unit requiring support exceeds 500 pounds, additional support is necessary.
 - Angle bay and bow windows are available in custom sizes. Contact your Andersen® supplier for more information.
 - "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.
- NOTE: Angle bay and bow windows include only the basic unit. Roof and other installation materials are by other manufacturers.

Proper support of projecting units required as per installation guidelines. Failure to do so may result in injury, product damage or property damage.

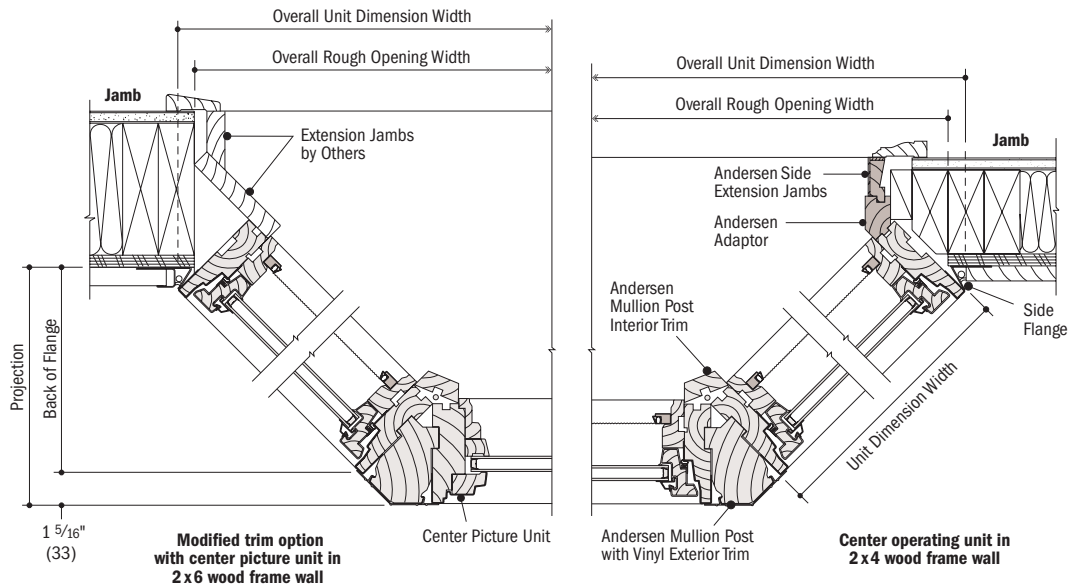
For walkout angle bay and bow window details and installation guidelines, contact your local Andersen supplier or visit our website at andersenwindows.com/adf_index.

BAY & BOW WINDOWS

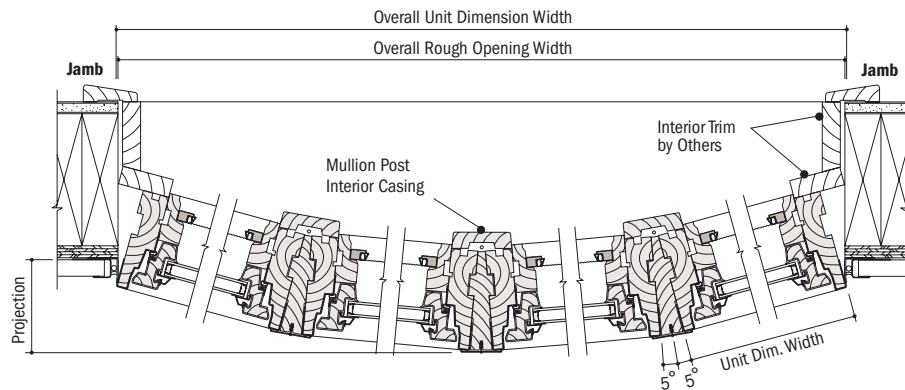
30°, 45° & 10° Basic Unit and Rough Opening Details Scale 1 1/2" = 1'-0" (1:8)



Horizontal Section 30° Angle Bay



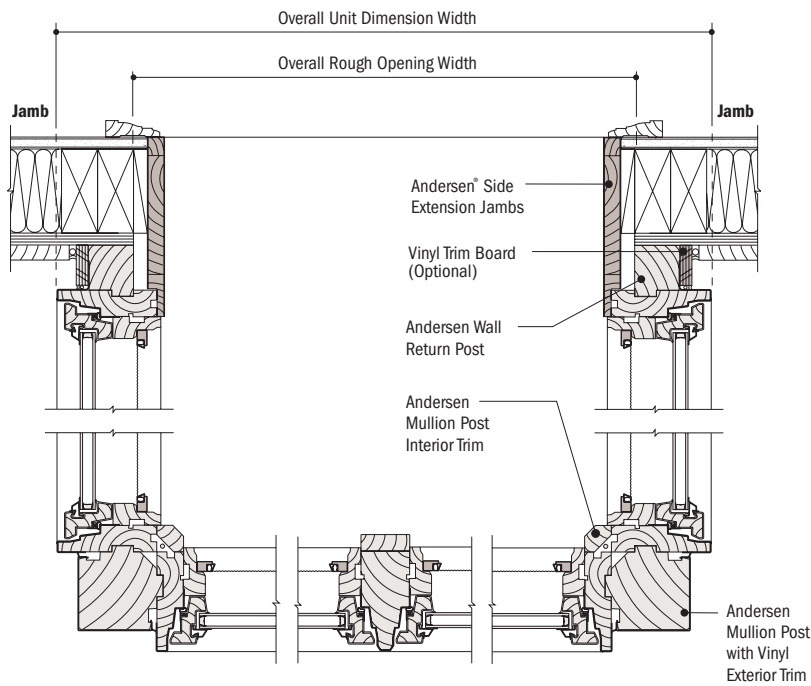
Horizontal Section 45° Angle Bay



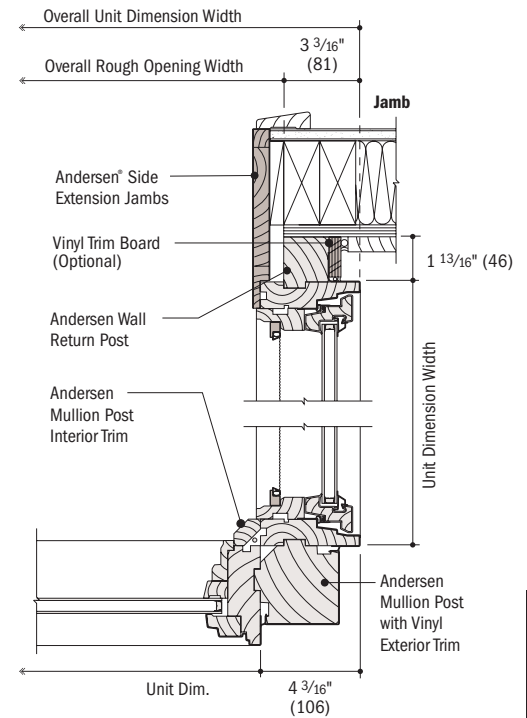
Horizontal Section 10° Bow

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.

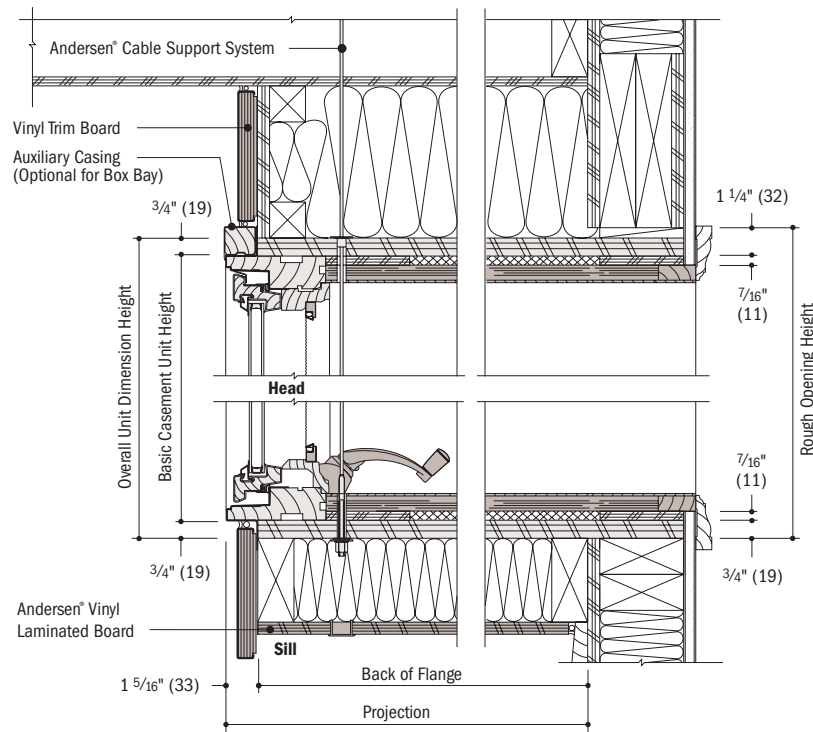
90° Basic Unit and Rough Opening Details Scale 1 1/2" = 1'-0" (1:8)



Horizontal Section
(center operating unit)



Horizontal Section
(center picture unit)









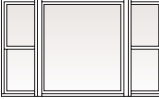

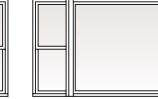
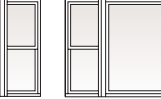


Vertical Section 30°, 45°, 90° & 10° Bay & Bows

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.

BAY & BOW WINDOWS

30° Double-Hung Bay with Picture Windows and 1-8 Flanking Units

		Projection*											
													
WIDTHS													
Unit Dimension		6'-8 15/16" (2056)		7'-0 15/16" (2157)		7'-6 5/8" (2302)		7'-10 5/8" (2403)		8'-6 5/8" (2607)		9'-2 5/8" (2810)	
Minimum Rough Opening		6'-8 1/8" (2035)		7'-0 1/8" (2137)		7'-5 3/4" (2280)		7'-9 3/4" (2381)		8'-5 3/4" (2584)		9'-1 3/4" (2788)	
HEIGHTS	4'-2 1/4" (1276)	30-30310-18				30-310310-18		30-42310-18		30-410310-18			
	4'-2 3/4" (1289)												
	4'-6 1/4" (1378)	30-3042-18		30-3442-18		30-31042-18		30-4242-18		30-41042-18		30-5642-18	
	4'-6 3/4" (1391)												
	4'-10 1/4" (1480)	30-3046-18		30-3446-18		30-31046-18		30-4246-18		30-41046-18		30-5646-18	
	4'-10 3/4" (1492)												
	5'-6 1/4" (1683)	30-3052-18				30-31052-18		30-4252-18		30-41052-18			
	5'-6 3/4" (1695)												
	5'-10 1/4" (1784)					30-31056-18		30-4256-18		Proper support of projecting units required as per installation guidelines. Failure to do so may result in injury, product damage or property damage.			
	5'-10 3/4" (1797)												
6'-6 1/4" (1988)					30-31062-18		30-4262-18						
6'-6 3/4" (2000)													

30° Double-Hung Bay with Picture Windows and 2-0 Flanking Units

		Projection*		14 3/4" (375)		14 3/4" (375)		14 3/4" (375)		14 3/4" (375)		14 3/4" (375)		14 3/4" (375)	
WIDTHS															
Unit Dimension		7'-3 7/8" (2232)		7'-7 7/8" (2334)		8'-1 9/16" (2478)		8'-5 9/16" (2580)		9'-1 9/16" (2783)		9'-9 9/16" (2986)			
Minimum Rough Opening		7'-3" (2210)		7'-7" (2311)		8'-0 3/4" (2457)		8'-4 3/4" (2559)		9'-0 3/4" (2762)		9'-8 3/4" (2965)			
HEIGHTS	4'-2 1/4" (1276)	30-30310-20				30-310310-20		30-42310-20		30-410310-20					
	4'-2 3/4" (1289)														
	4'-6 1/4" (1378)	30-3042-20		30-3442-20		30-31042-20		30-4242-20		30-41042-20		30-5642-20			
	4'-6 3/4" (1391)														
	4'-10 1/4" (1480)	30-3046-20		30-3446-20		30-31046-20		30-4246-20		30-41046-20		30-5646-20			
	4'-10 3/4" (1492)														
	5'-6 1/4" (1683)	30-3052-20				30-31052-20		30-4252-20		30-41052-20					
	5'-6 3/4" (1695)														
	5'-10 1/4" (1784)					30-31056-20		30-4256-20		Proper support of projecting units required as per installation guidelines. Failure to do so may result in injury, product damage or property damage.					
	5'-10 3/4" (1797)														
6'-6 1/4" (1988)					30-31062-20		30-4262-20								
6'-6 3/4" (2000)															

- * Projection is the measurement from the outside of the exterior sheathing to the outer edge of the unit.
- 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.
- One Andersen® cable is included with the unit for proper installation. Each cable can support a maximum load of 500 pounds. If the section of the window unit requiring support exceeds 500 pounds, additional support is necessary.
- Angle bay and bow windows are available in custom sizes. Contact your Andersen supplier for more information.
- "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.

NOTE: Angle bay and bow windows include only the basic unit. Roof and other installation materials are by other manufacturers.

For walkout angle bay and bow window details and installation guidelines, contact your local Andersen supplier or visit our website at andersenwindows.com/adf_index.

Double-Hung Window Ordering Prefix

	Double-Hung	Picture
400 Series Woodwright®	WDH	WPW
400 Series Tilt-Wash	TW	DHP

30° Double-Hung Bay with 1-8 Flanking Units

Projection*		12 3/4" (324)	12 3/4" (324)	12 3/4" (324)	12 3/4" (324)	12 3/4" (324)
WIDTHS						
HEIGHTS	Unit Dimension	7'-0 15/16" (2157)	7'-10 5/8" (2403)	8'-6 5/8" (2599)	9'-2 5/8" (2810)	9'-10 5/8" (3013)
	Minimum Rough Opening	7'-0 1/8" (2137)	7'-9 3/4" (2581)	8'-5 3/4" (2584)	9'-1 3/4" (2788)	9'-9 3/4" (2991)
	4'-2 1/4" (1276)	30-34310-18	30-20310-2-18	30-24310-2-18	30-28310-2-18	30-30310-2-18
	4'-2 3/4" (1289)					
	4'-6 1/4" (1378)	30-3442-18	30-2042-2-18	30-2442-2-18	30-2842-2-18	30-3042-2-18
	4'-6 3/4" (1391)					
	4'-10 1/4" (1480)	30-3446-18	30-2046-2-18	30-2446-2-18	30-2846-2-18	30-3046-2-18
	4'-10 3/4" (1492)					
	5'-6 1/4" (1683)	30-3452-18	30-2052-2-18	30-2452-2-18	30-2852-2-18	30-3052-2-18
	5'-6 3/4" (1695)					
	5'-10 1/4" (1784)	30-3456-18	30-2056-2-18	30-2456-2-18	30-2856-2-18	30-3056-2-18
	5'-10 3/4" (1797)					
	6'-6 1/4" (1988)	30-3462-18	30-2062-2-18	30-2462-2-18	30-2862-2-18	30-3062-2-18
	6'-6 3/4" (2000)					

These sizes also available as 200 Series Narrowline® angle bays.

**Proper support of projecting units required as per installation guidelines.
Failure to do so may result in injury, product damage or property damage.**

30° Double-Hung Bay with 2-0 Flanking Units

Projection*		14 3/4" (375)	14 3/4" (375)	14 3/4" (375)	14 3/4" (375)	14 3/4" (375)
WIDTHS						
HEIGHTS	Unit Dimension	7'-7 7/8" (2334)	8'-5 9/16" (2580)	9'-1 9/16" (2783)	9'-9 9/16" (2986)	10'-5 9/16" (3189)
	Minimum Rough Opening	7'-7" (2311)	8'-4 3/4" (2559)	9'-0 3/4" (2762)	9'-8 3/4" (2965)	10'-4 3/4" (3169)
	4'-2 1/4" (1276)	30-34310-20	30-20310-2-20	30-24310-2-20	30-28310-2-20	30-30310-2-20
	4'-2 3/4" (1289)					
	4'-6 1/4" (1378)	30-3442-20	30-2042-2-20	30-2442-2-20	30-2842-2-20	30-3042-2-20
	4'-6 3/4" (1391)					
	4'-10 1/4" (1480)	30-3446-20	30-2046-2-20	30-2446-2-20	30-2846-2-20	30-3046-2-20
	4'-10 3/4" (1492)					
	5'-6 1/4" (1683)	30-3452-20	30-2052-2-20	30-2452-2-20	30-2852-2-20	30-3052-2-20
	5'-6 3/4" (1695)					
	5'-10 1/4" (1784)	30-3456-20	30-2056-2-20	30-2456-2-20	30-2856-2-20	30-3056-2-20
	5'-10 3/4" (1797)					
	6'-6 1/4" (1988)	30-3462-20	30-2062-2-20	30-2462-2-20	30-2862-2-20	30-3062-2-20
	6'-6 3/4" (2000)					

These sizes also available as 200 Series Narrowline® angle bays.

**Proper support of projecting units required as per installation guidelines.
Failure to do so may result in injury, product damage or property damage.**

- * Projection is the measurement from the outside of the exterior sheathing to the outer edge of the unit.
- **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.**
- One Andersen® cable is included with the unit for proper installation. Each cable can support a maximum load of 500 pounds. If the section of the window unit requiring support exceeds 500 pounds, additional support is necessary.
- Angle bay and bow windows are available in custom sizes. Contact your Andersen supplier for more information.
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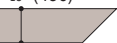
For walkout angle bay and bow window details and installation guidelines, contact your Andersen supplier or visit our website at andersenwindows.com/adf_index.

Double-Hung Window Ordering Prefix

Double-Hung	
400 Series Woodwright®	WDH
400 Series Tilt-Wash	TW
200 Series Narrowline®	NL

BAY & BOW WINDOWS

45° Double-Hung Bay with Picture Windows and 1-8 Flanking Units

		Projection*									
		17 15/16" (456)		17 15/16" (456)		17 15/16" (456)		17 15/16" (456)		17 15/16" (456)	
											
											

45° Double-Hung Bay with 1-8 Flanking Units

Projection*		17 15/16" (456)	17 15/16" (456)	17 15/16" (456)	17 15/16" (456)	17 15/16" (456)
WIDTHS						
HEIGHTS	Unit Dimension	6'-8 7/16" (2043)	7'-6 1/8" (2289)	8'-2 1/8" (2492)	8'-10 1/8" (2696)	9'-6 1/8" (2899)
	Minimum Rough Opening	6'-7 1/8" (2010)	7'-4 7/8" (2257)	8'-0 3/4" (2445)	8'-8 3/4" (2661)	9'-4 3/4" (2864)
	4'-2 1/4" (1276)	45-34310-18	45-20310-2-18	45-24310-2-18	45-28310-2-18	45-30310-2-18
	4'-2 3/4" (1289)					
	4'-6 1/4" (1378)	45-3442-18	45-2042-2-18	45-2442-2-18	45-2842-2-18	45-3042-2-18
	4'-6 3/4" (1391)					
	4'-10 1/4" (1480)	45-3446-18	45-2046-2-18	45-2446-2-18	45-2846-2-18	45-3046-2-18
	4'-10 3/4" (1492)					
	5'-6 1/4" (1683)	45-3452-18	45-2052-2-18	45-2452-2-18	45-2852-2-18	45-3052-2-18
	5'-6 3/4" (1695)					
	5'-10 1/4" (1784)	45-3456-18	45-2056-2-18	45-2456-2-18	45-2856-2-18	45-3056-2-18
	5'-10 3/4" (1797)					
	6'-6 1/4" (1988)	45-3462-18	45-2062-2-18	45-2462-2-18	45-2862-2-18	45-3062-2-18
	6'-6 3/4" (2000)					

These sizes also available as 200 Series Narroline® angle bays.

Proper support of projecting units required as per installation guidelines. Failure to do so may result in injury, product damage or property damage.

45° Double-Hung Bay with 2-0 Flanking Units

Projection*		20 3/4" (527)	20 3/4" (527)	20 3/4" (527)	20 3/4" (527)	20 3/4" (527)
WIDTHS						
HEIGHTS	Unit Dimension	7'-2 1/8" (2188)	7'-11 13/16" (2434)	8'-7 13/16" (2637)	9'-3 13/16" (2840)	9'-11 13/16" (3043)
	Minimum Rough Opening	7'-0 3/4" (2153)	7'-10 1/2" (2400)	8'-6 1/2" (2604)	9'-2 1/2" (2807)	9'-10 1/2" (3010)
	4'-2 1/4" (1276)	45-34310-20	45-20310-2-20	45-24310-2-20	45-28310-2-20	45-30310-2-20
	4'-2 3/4" (1289)					
	4'-6 1/4" (1378)	45-3442-20	45-2042-2-20	45-2442-2-20	45-2842-2-20	45-3042-2-20
	4'-6 3/4" (1391)					
	4'-10 1/4" (1480)	45-3446-20	45-2046-2-20	45-2446-2-20	45-2846-2-20	45-3046-2-20
	4'-10 3/4" (1492)					
	5'-6 1/4" (1683)	45-3452-20	45-2052-2-20	45-2452-2-20	45-2852-2-20	45-3052-2-20
	5'-6 3/4" (1695)					
	5'-10 1/4" (1784)	45-3456-20	45-2056-2-20	45-2456-2-20	45-2856-2-20	45-3056-2-20
	5'-10 3/4" (1797)					
	6'-6 1/4" (1988)	45-3462-20	45-2062-2-20	45-2462-2-20	45-2862-2-20	45-3062-2-20
	6'-6 3/4" (2000)					

These sizes also available as 200 Series Narroline® angle bays.

Proper support of projecting units required as per installation guidelines. Failure to do so may result in injury, product damage or property damage.

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- Dimensions in parentheses are in millimeters.
- When ordering, be sure to specify color desired: White, Sandtone, Terratone® or Forest Green.

NOTE: Angle bay and bow windows include only the basic unit. Roof and other installation materials are by other manufacturers.

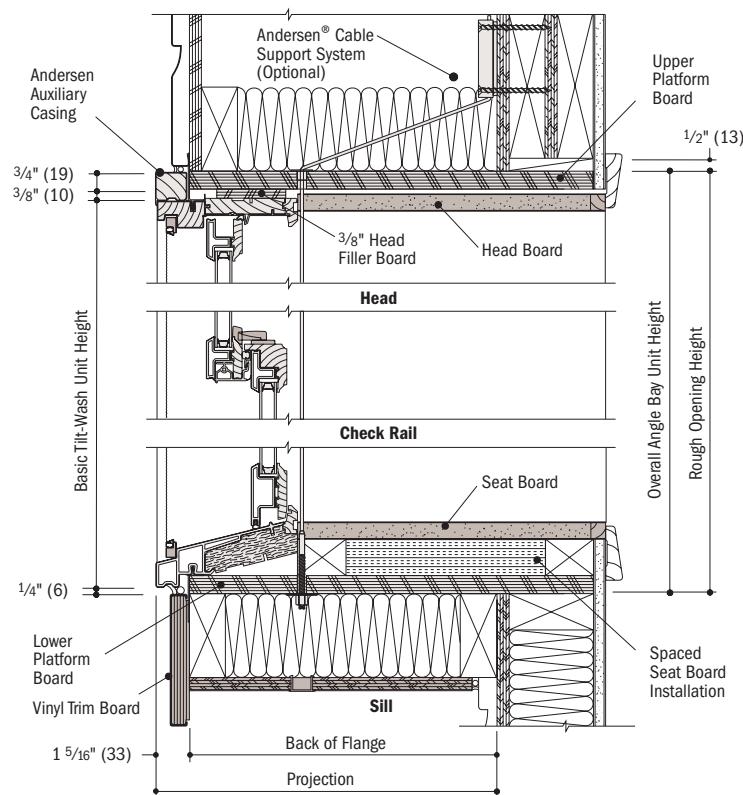
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Double-Hung Window Ordering Prefix

Double-Hung	
400 Series Woodwright®	WDH
400 Series Tilt-Wash	TW
200 Series Narroline®	NL

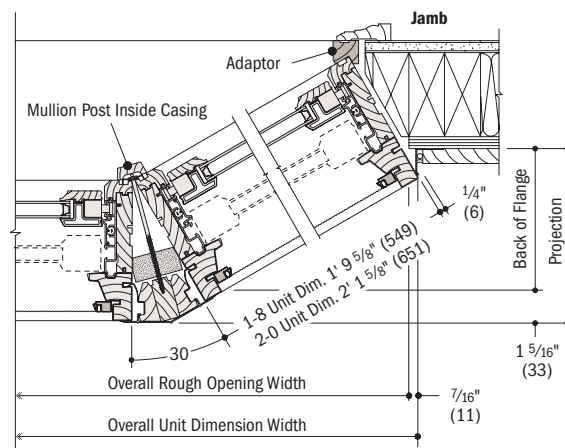
BAY & BOW WINDOWS

30° & 45° Basic Unit and Rough Opening Details Scale 1 1/2" = 1'-0" (1:8)

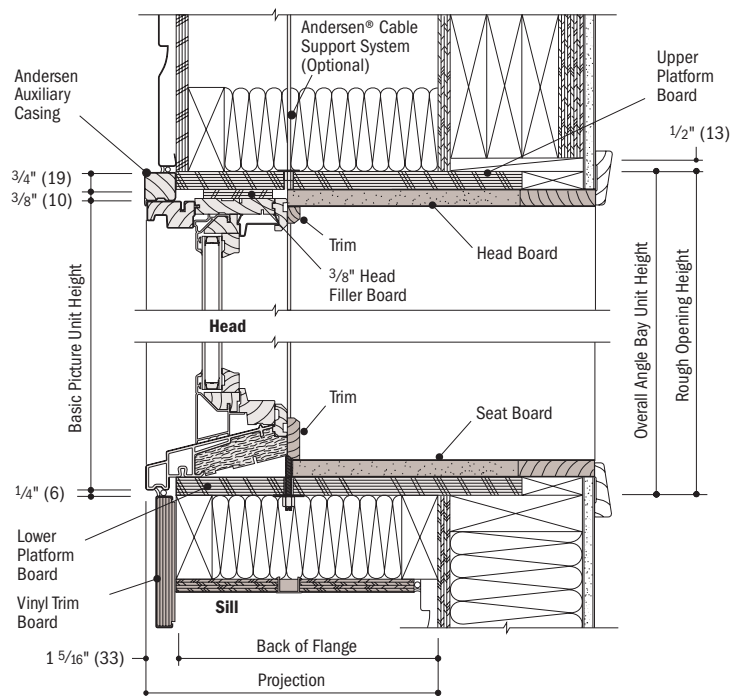


Vertical Section

Woodwright® unit shown – Tilt-Wash and Narroline® unit installation similar

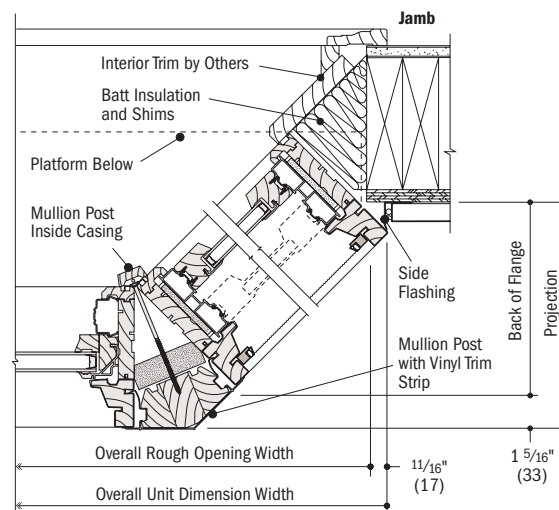


Horizontal Section 30° Angle Bay



Vertical Section

Tilt-Wash unit shown – Woodwright® and Narroline® unit installation similar



Horizontal Section 45° Angle Bay

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.

TILT-WASH DOUBLE-HUNG WINDOWS



200 Series
Tilt-Wash
Double-Hung Windows

Rich natural wood interiors and attractive, low-maintenance exteriors give these windows a stand-out appearance.

Section Reference

Tables of Basic Sizes	191
Basic Unit Details	192
Opening Specifications	193
Standard Divided Light Patterns.....	194
Combination Designs	229
Performance Data	245

Solid, dependable and efficient, Andersen® 200 Series tilt-wash double-hung windows feature tilt-in cleaning convenience, natural wood interiors and chamfer detailing. With a full complement of transom and picture window options, they offer Andersen beauty at an uncommon value.

Features

FRAME

A Exterior outer frame members are treated with water-repellent preservative and covered with a pre-formed rigid vinyl PVC cover, minimizing maintenance and providing an attractive appearance.

B Interior surfaces are unfinished pine. Low-maintenance prefinished white interiors are available.

C Full-perimeter installation flange makes installation easy and fast with little or no adjustment. It's fixed, seamless and integrated with the exterior frame.

D Flexible weatherstripping around all four sides is factory installed and provides a tight seal between the sash and frame.

GLASS

E Choose Low-E or dual-pane insulating glass. Tempered glass and other glass options are available. Contact your Andersen supplier. (Glass option must be specified.)

A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

F A rigid vinyl or PVC glazing bead, combined with high-grade silicone glazing bed, keeps the glass bonded firmly to the sash and helps minimize water and air infiltration.

SASH



A convenient tilt-wash design makes it easy to clean the window from the inside. An in-sash balancer minimizes the view of the jamb liner, maximizing the amount of wood in the frame. Window can be secured through the side jambs to stud walls without hitting balancer.

Accessories

Sold Separately.

FRAME

Field-Applied Extension Jambs

Field-applied extension jambs are available either pre-cut to fit specific unit sizes or in long lengths for field fitting or application to combination units. Base unit frame dimension for use with field-applied extension jambs is 3 1/4". Field extension jambs can be added to create jamb depths of:

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

Available in pine or prefinished white.

Factory-Applied Extension Jambs

Factory-applied extension jambs are available in:

- 4 9/16" (116)
- 6 9/16" (167)

Available in pine or prefinished white.

Drywall Return

The Andersen® 200 Series double-hung window is available with a narrow 3" jamb depth with a flat interior surface for easy drywall return. Available in prefinished white only.

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.

Conventional Insect Screen

Conventional insect screens have a long-lasting* fiberglass screen cloth with a charcoal finish.



Insect Screen Frames

Choose full insect screen or half insect screen. Half insect screen (shown above) allows ventilation without affecting the view from the upper sash. Frames are available in White and Sandtone colors to match product exteriors.

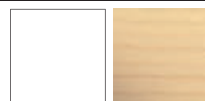
Exterior

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



White Sandtone

Interior



white pine

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

TWO-TONE OPTION

Andersen 200 Series tilt-wash double-hung windows are available with a two-tone color configuration, featuring a prefinished White interior and a Sandtone exterior. Some exterior components are visible from the interior. Corresponding picture and transom units, as well as grilles, are available to match.

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

Hardware

Lock & Keeper



The standard cam-operated lock & keeper is made for easy operation and long life.* Stone finish is standard with pine interior units. White finish comes with prefinished white interiors.

Classic Series™ Lifts

Sold Separately.



Available in white or stone finish.

Bold names denote finish shown.

Hardware Finishes



white stone

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

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







andersenwindows.com



















CAUTION:

















































- Painting and staining may cause damage to rigid vinyl.
- Products in Sandtone 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 any color darker than Terratone.
- 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.



Table of Basic Unit Sizes—Tilt-Wash Double-Hung Windows Scale 1/8" = 1'-0" (1:96)

Unit Dimension	1'-7 1/2" (495)	1'-11 1/2" (597)	2'-3 1/2" (699)	2'-7 1/2" (800)	2'-11 1/2" (902)	3'-3 1/2" (1003)
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-8" (813)	3'-0" (914)	3'-4" (1016)
Unobstructed Glass	13 1/2" (343)	17 1/2" (445)	21 1/2" (546)	25 1/2" (648)	29 1/2" (749)	33 1/2" (851)

See chart at right for CT heights	Circle Tops					
						
	244CT18	244CT20	244CT24	244CT28	244CT30	244CT34

Transoms						
						
244FX1810	244FX2010	244FX2410	244FX2810	244FX3010	244FX3410	
						
244FX1816	244FX2016	244FX2416	244FX2816	244FX3016	244FX3416	
						
244FX1820	244FX2020	244FX2420	244FX2820	244FX3020	244FX3420	

Double-Hungs						
						
244DH1830	244DH2030	244DH2430	244DH2830	244DH3030	244DH3430	
						
244DH1836	244DH2036	244DH2436	244DH2836	244DH3036	244DH3436	
						
244DH1840	244DH2040	244DH2440	244DH2840	244DH3040	244DH3440	
						
244DH1846	244DH2046	244DH2446	244DH2846	244DH3046	244DH3446	
						
244DH1849	244DH2049	244DH2449	244DH2849	244DH3049†	244DH3449†	
						
244DH1850	244DH2050	244DH2450	244DH2850	244DH3050†	244DH3450†	
						
244DH1856	244DH2056	244DH2456	244DH2856†	244DH3056†	244DH3456†	
						
244DH1860	244DH2060	244DH2460	244DH2860†	244DH3060†	244DH3460†	

Grille Patterns		Circle Top	
		Unit Dim.	Rough Opg. Height
Sunburst	Renaissance*	Height	
244CT18*		1'-0 5/8" (321)	1'-1 1/8" (333)
244CT20*		1'-2 5/8" (371)	1'-3 1/8" (384)
244CT24		1'-4 5/8" (422)	1'-5 1/8" (435)
244CT28		1'-6 5/8" (473)	1'-7 1/8" (486)
244CT30		1'-8 5/8" (524)	1'-9 1/8" (537)
244CT34		1'-10 5/8" (575)	1'-11 1/8" (587)

*Renaissance pattern not available for 18 or 20 sizes.



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 194, visit andersenwindows.com/grilles or contact your Andersen supplier.



Product Details

See page 192.

- The "Unobstructed Glass" measurement shown for double-hung windows 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.**
 - "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 or Sandtone.
- † 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"

TILT-WASH DOUBLE-HUNG WINDOWS

Table of Picture Unit Sizes Scale $\frac{1}{8}" = 1'-0"$ (1:96)

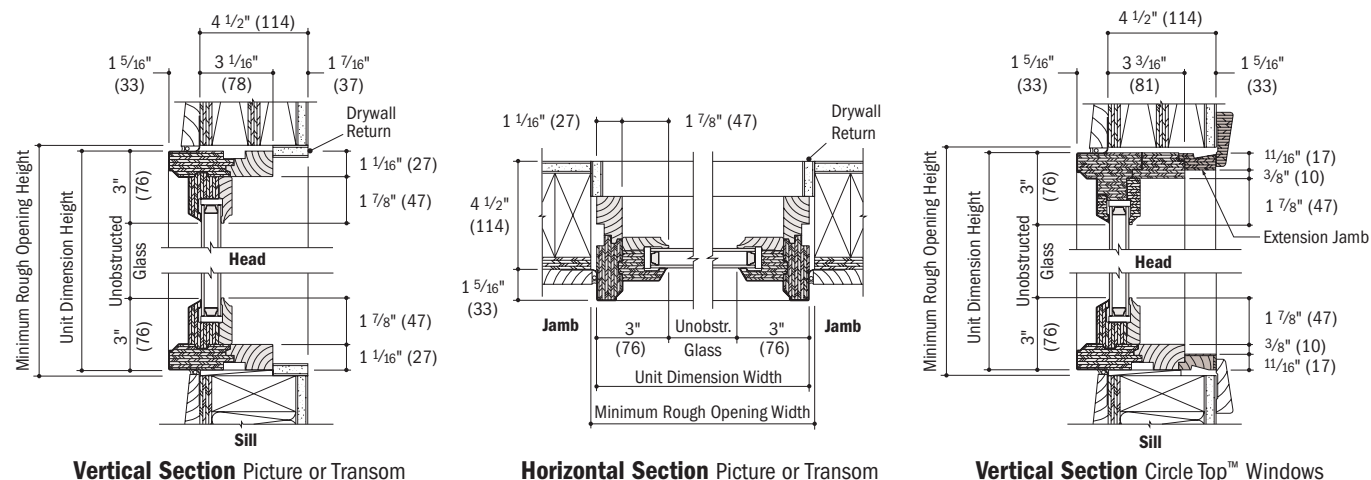
Unit Dimension	2'-11 1/2"	3'-11 1/2"	4'-5 1/2"	4'-8 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
	(902)	(1207)	(1359)	(1435)	(1511)	(1664)	(1816)
Minimum Rough Opening	3'-0"	4'-0"	4'-6"	4'-9"	5'-0"	5'-6"	6'-0"
	(914)	(1219)	(1372)	(1448)	(1524)	(1676)	(1829)
Unobstructed Glass	29 1/2"	41 1/2"	47 1/2"	50 1/2"	53 1/2"	59 1/2"	65 1/2"
	(749)	(1054)	(1207)	(1283)	(1359)	(1511)	(1664)
2'-11 1/2"							
	244FX3030	244FX4030	244FX4630	244FX4930	244FX5030	244FX5630	244FX6030
3'-11 1/2"							
	244FX3040	244FX4040	244FX4640	244FX4940	244FX5040	244FX5640	244FX6040
4'-5 1/2"							
	244FX3046	244FX4046	244FX4646	244FX4946	244FX5046	244FX5646	244FX6046
4'-8 1/2"							
	244FX3049	244FX4049	244FX4649	244FX4949	244FX5049	244FX5649	244FX6049
4'-11 1/2"							
	244FX3050	244FX4050	244FX4650	244FX4950	244FX5050	244FX5650	244FX6050
5'-5 1/2"							
	244FX3056	244FX4056	244FX4656	244FX4956	244FX5056		
5'-11 1/2"							
	244FX3060	244FX4060	244FX4660	244FX4960	244FX5060		



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 194, visit andersenwindows.com/grilles or contact your Andersen supplier.

Basic Unit and Rough Opening Details Scale $1 \frac{1}{2}" = 1'-0"$ (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.

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.

Tilt-Wash Double-Hung Window Opening Specifications

Unit Number	Clear Opening Sq. Ft. (m ²)		Max. Clear Opening in Full Open Position				Glass Sq. Ft. (m ²)		Vent Sq. Ft. (m ²)		Top of Subfloor to Top of Inside Sill Stop Inches (mm)		Overall Unit Area Sq. Ft. (m ²)	
			Width		Height									
			Inches	(mm)	Inches	(mm)								
244DH1830	1.72	(0.160)	16.56"	(420.62)	14.95"	(379.85)	2.56	(0.238)	1.72	(0.160)	48.56"	(1233.42)	4.81	(0.447)
244DH1836	2.06	(0.192)	16.56"	(420.62)	17.95"	(456.05)	3.12	(0.290)	2.06	(0.192)	42.56"	(1081.02)	5.62	(0.522)
244DH1840	2.41	(0.224)	16.56"	(420.62)	20.95"	(532.25)	3.69	(0.343)	2.41	(0.224)	36.56"	(928.62)	6.43	(0.598)
244DH1846	2.75	(0.256)	16.56"	(420.62)	23.95"	(608.45)	4.25	(0.395)	2.75	(0.256)	30.56"	(776.22)	7.24	(0.673)
244DH1849	2.93	(0.272)	16.56"	(420.62)	25.45"	(646.55)	4.53	(0.421)	2.93	(0.272)	27.56"	(700.02)	7.65	(0.711)
244DH1850	3.10	(0.288)	16.56"	(420.62)	26.95"	(684.65)	4.81	(0.447)	3.10	(0.288)	24.56"	(623.82)	8.06	(0.749)
244DH1856	3.44	(0.320)	16.56"	(420.62)	29.95"	(760.85)	5.37	(0.449)	3.44	(0.320)	18.56"	(471.42)	8.87	(0.824)
244DH1860	3.79	(0.352)	16.56"	(420.62)	32.95"	(837.05)	5.94	(0.552)	3.79	(0.352)	12.56"	(319.02)	9.68	(0.900)
244DH2030	2.14	(0.198)	20.56"	(522.22)	14.95"	(379.85)	3.32	(0.308)	2.14	(0.198)	48.56"	(1233.42)	5.79	(0.538)
244DH2036	2.56	(0.238)	20.56"	(522.22)	17.95"	(456.05)	4.05	(0.376)	2.56	(0.238)	42.56"	(1081.02)	6.77	(0.629)
244DH2040	2.99	(0.278)	20.56"	(522.22)	20.95"	(532.25)	4.78	(0.444)	2.99	(0.278)	36.56"	(928.62)	7.75	(0.720)
244DH2046	3.42	(0.318)	20.56"	(522.22)	23.95"	(608.45)	5.51	(0.512)	3.42	(0.318)	30.56"	(776.22)	8.73	(0.811)
244DH2049	3.63	(0.338)	20.56"	(522.22)	25.45"	(646.65)	5.88	(0.546)	3.63	(0.338)	27.56"	(700.02)	9.22	(0.857)
244DH2050	3.85	(0.358)	20.56"	(522.22)	26.95"	(684.65)	6.24	(0.580)	3.85	(0.358)	24.56"	(623.82)	9.71	(0.902)
244DH2056	4.28	(0.397)	20.56"	(522.22)	29.95"	(760.85)	6.97	(0.648)	4.28	(0.397)	18.56"	(471.42)	10.69	(0.993)
244DH2060	4.71	(0.437)	20.56"	(522.22)	32.95"	(837.05)	7.70	(0.715)	4.71	(0.437)	12.56"	(319.02)	11.67	(1.084)
244DH2430	2.55	(0.237)	24.56"	(623.82)	14.95"	(379.85)	4.08	(0.379)	2.55	(0.237)	48.56"	(1233.42)	6.78	(0.630)
244DH2436	3.06	(0.284)	24.56"	(623.82)	17.95"	(456.05)	4.98	(0.463)	3.06	(0.284)	42.56"	(1081.02)	7.93	(0.737)
244DH2440	3.57	(0.332)	24.56"	(623.82)	20.95"	(532.25)	5.88	(0.546)	3.57	(0.332)	36.56"	(928.62)	9.07	(0.843)
244DH2446	4.09	(0.380)	24.56"	(623.82)	23.95"	(608.45)	6.77	(0.629)	4.09	(0.380)	30.56"	(776.22)	10.22	(0.949)
244DH2449	4.34	(0.403)	24.56"	(623.82)	25.45"	(646.55)	7.22	(0.671)	4.34	(0.403)	27.56"	(700.02)	10.79	(1.002)
244DH2450	4.60	(0.427)	24.56"	(623.82)	26.95"	(684.65)	7.67	(0.713)	4.60	(0.427)	24.56"	(623.82)	11.36	(1.055)
244DH2456	5.11	(0.475)	24.56"	(623.82)	29.95"	(760.85)	8.56	(0.795)	5.11	(0.475)	18.56"	(471.42)	12.51	(1.162)
244DH2460	5.62	(0.522)	24.56"	(623.82)	32.95"	(837.05)	9.46	(0.879)	5.62	(0.522)	12.56"	(319.02)	13.65	(1.268)
244DH2830	2.97	(0.276)	28.56"	(725.42)	14.95"	(379.85)	4.84	(0.450)	2.97	(0.276)	48.56"	(1233.42)	7.77	(0.722)
244DH2836	3.56	(0.331)	28.56"	(725.42)	17.95"	(456.05)	5.91	(0.549)	3.56	(0.331)	42.56"	(1081.02)	9.08	(0.910)
244DH2840	4.16	(0.386)	28.56"	(725.42)	20.95"	(532.25)	6.97	(0.648)	4.16	(0.386)	36.56"	(928.62)	10.39	(0.965)
244DH2846	4.75	(0.441)	28.56"	(725.42)	23.95"	(608.45)	8.03	(0.746)	4.75	(0.441)	30.56"	(776.22)	11.70	(1.087)
244DH2849	5.05	(0.469)	28.56"	(725.42)	25.45"	(646.55)	8.56	(0.795)	5.05	(0.469)	27.56"	(700.02)	12.36	(1.148)
244DH2850	5.35	(0.497)	28.56"	(725.42)	26.95"	(684.65)	9.09	(0.844)	5.35	(0.497)	24.56"	(623.82)	13.02	(1.210)
244DH2856*	5.94	(0.552)	28.56"	(725.42)	29.95"	(760.85)	10.16	(0.944)	5.94	(0.552)	18.56"	(471.42)	14.33	(1.331)
244DH2860*	6.54	(0.607)	28.56"	(725.42)	32.95"	(837.05)	11.22	(1.042)	6.54	(0.607)	12.56"	(319.02)	15.64	(1.453)
244DH3030	3.38	(0.314)	32.56"	(827.02)	14.95"	(379.85)	5.60	(0.520)	3.38	(0.314)	48.56"	(1233.42)	8.75	(0.813)
244DH3036	4.06	(0.377)	32.56"	(827.02)	17.95"	(456.05)	6.83	(0.635)	4.06	(0.377)	42.56"	(1081.02)	10.23	(0.950)
244DH3040	4.74	(0.440)	32.56"	(827.02)	20.95"	(532.25)	8.06	(0.749)	4.74	(0.440)	36.56"	(928.62)	11.71	(1.088)
244DH3046	5.42	(0.503)	32.56"	(827.02)	23.95"	(608.45)	9.29	(0.863)	5.42	(0.503)	30.56"	(776.22)	13.19	(1.225)
244DH3049*	5.76	(0.535)	32.56"	(827.02)	25.45"	(646.55)	9.91	(0.921)	5.76	(0.535)	27.56"	(700.02)	13.93	(1.294)
244DH3050*	6.09	(0.566)	32.56"	(827.02)	26.95"	(684.65)	10.52	(0.977)	6.09	(0.566)	24.56"	(623.82)	14.67	(1.363)
244DH3056*	6.77	(0.629)	32.56"	(827.02)	29.95"	(760.85)	11.75	(1.092)	6.77	(0.629)	18.56"	(471.42)	16.15	(1.500)
244DH3060*	7.45	(0.692)	32.56"	(827.02)	32.95"	(837.05)	12.98	(1.206)	7.45	(0.692)	12.56"	(319.02)	17.63	(1.638)
244DH3430	3.80	(0.353)	36.56"	(928.62)	14.95"	(379.85)	6.36	(0.591)	3.80	(0.353)	48.56"	(1233.42)	9.74	(0.905)
244DH3436	4.56	(0.424)	36.56"	(928.62)	17.95"	(456.05)	7.76	(0.721)	4.56	(0.424)	42.56"	(1081.02)	11.38	(1.058)
244DH3440	5.32	(0.494)	36.56"	(928.62)	20.95"	(532.25)	9.16	(0.851)	5.32	(0.494)	36.56"	(928.62)	13.03	(1.210)
244DH3446	6.08	(0.565)	36.56"	(928.62)	23.95"	(608.45)	10.55	(0.980)	6.08	(0.565)	30.56"	(776.22)	14.68	(1.363)
244DH3449*	6.46	(0.600)	36.56"	(928.62)	25.45"	(646.55)	11.25	(1.045)	6.46	(0.600)	27.56"	(700.02)	15.50	(1.440)
244DH3450*	6.84	(0.636)	36.56"	(928.62)	26.95"	(684.65)	11.95	(1.110)	6.84	(0.636)	24.56"	(623.82)	16.32	(1.516)
244DH3456*	7.61	(0.707)	36.56"	(928.62)	29.95"	(760.85)	13.34	(1.239)	7.61	(0.707)	18.56"	(471.42)	17.97	(1.669)
244DH3460*	8.37	(0.777)	36.56"	(928.62)	32.95"	(837.05)	14.74	(1.369)	8.37	(0.777)	12.56"	(319.02)	19.61	(1.822)

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

Circle Top™ Window Square Feet Glass/Unit Area

Unit Number	Glass Area		Overall Unit Area	
	Sq. Ft.	(m ²)	Sq. Ft.	(m ²)
244CT18	0.50	(0.046)	1.43	(0.133)
244CT20	0.84	(0.078)	1.98	(0.184)
244CT24	1.26	(0.117)	2.61	(0.242)
244CT28	1.77	(0.164)	3.33	(0.310)
244CT30	2.37	(0.220)	4.15	(0.385)
244CT34	3.06	(0.284)	5.04	(0.469)

Rough Opening Widths for Multiple Openings

Unit Number	Rough Opening Narrow Mullion	
	Twin	Triple
18	3'-4"	5'-0"
20	4'-0"	6'-0"
24	4'-8"	7'-0"
28	5'-4"	8'-0"
30	6'-0"	9'-0"
34	6'-8"	10'-0"

Picture Square Feet Glass/Unit Area

Unit Number	Glass Area		Overall Unit Area	
	Sq. Ft.	(m ²)	Sq. Ft.	(m ²)
244FX3030	6.04	(0.561)	8.75	(0.813)
244FX3040	8.50	(0.790)	11.71	(1.088)
244FX3046	9.73	(0.904)	13.19	(1.225)
244FX3049	10.35	(0.962)	13.93	(1.294)
244FX3050	10.96	(1.018)	14.67	(1.363)
244FX3056	12.19	(1.132)	16.15	(1.500)
244FX3060	13.42	(1.247)	17.63	(1.638)
244FX4030	8.50	(0.790)	11.71	(1.088)
244FX4040	11.96	(1.111)	15.67	(1.456)
244FX4046	13.69	(1.272)	17.65	(1.640)
244FX4049	14.55	(1.352)	18.64	(1.731)
244FX4050	15.42	(1.432)	19.63	(1.823)
244FX4056	17.15	(1.593)	21.61	(2.007)
244FX4060	18.88	(1.754)	23.59	(2.192)
244FX4630	9.73	(0.904)	13.19	(1.225)
244FX4640	13.69	(1.272)	17.65	(1.640)
244FX4646	15.67	(1.456)	19.88	(1.847)
244FX4649	16.66	(1.548)	21.00	(1.951)
244FX4650	17.65	(1.640)	22.11	(2.054)
244FX4656	19.63	(1.823)	24.34	(2.261)
244FX4660	21.61	(2.007)	26.56	(2.468)
244FX4930	10.35	(0.961)	13.93	(1.294)
244FX4940	14.55	(1.352)	18.64	(1.731)
244FX4946	16.66	(1.548)	21.00	(1.950)
244FX4949	17.71	(1.645)	22.17	(2.060)
244FX4950	18.76	(1.743)	23.35	(2.169)
244FX4956	20.87	(1.939)	25.70	(2.388)
244FX4960	22.97	(2.134)	28.05	(2.606)
244FX5030	10.96	(1.018)	14.67	(1.363)
244FX5040	15.42	(1.432)	19.63	(1.823)
244FX5046	17.65	(1.640)	22.11	(2.054)
244FX5049	18.76	(1.743)	23.35	(2.169)
244FX5050	19.88	(1.847)	24.59	(2.284)
244FX5056	22.11	(2.054)	27.06	(2.514)
244FX5060	24.34	(2.261)	29.54	(2.745)
244FX5630	12.19	(1.132)	16.15	(1.500)
244FX5640	17.15	(1.593)	21.61	(2.007)
244FX5646	19.63	(1.823)	24.34	(2.261)
244FX5649	20.87	(1.939)	25.70	(2.388)
244FX5650	22.11	(2.054)	27.06	(2.514)
244FX6030	13.42	(1.247)	17.63	(1.638)
244FX6040	18.88	(1.754)	23.59	(2.192)
244FX6046	21.61	(2.007)	26.56	(2.468)
244FX6049	22.97	(2.134)	28.05	(2.606)
244FX6050	24.34	(2.261)	29.54	(2.745)

Transom Square Feet Glass/Unit Area

Unit Number	Glass Area		Overall Unit Area	
	Sq. Ft.	(m ²)	Sq. Ft.	(m ²)
244FX1810	0.52	(0.048)	1.56	(0.145)
244FX2010	0.67	(0.062)	1.88	(0.174)
244FX2410	0.82	(0.076)	2.20	(0.204)
244FX2810	0.97	(0.090)	2.52	(0.234)
244FX3010	1.13	(0.105)	2.84	(0.263)
244FX3410	1.28	(0.119)	3.15	(0.293)
244FX1816	1.08	(0.100)	2.37	(0.220)
244FX2016	1.40	(0.130)	2.86	(0.265)
244FX2416	1.72	(0.160)	3.34	(0.310)
244FX2816	2.04	(0.190)	3.83	(0.356)
244FX3016	2.36	(0.219)	4.31	(0.401)
244FX3416	2.68	(0.249)	4.80	(0.446)
244FX1820	1.64	(0.152)	3.18	(0.296)
244FX2020	2.13	(0.198)	3.84	(0.356)
244FX2420	2.61	(0.243)	4.49	(0.417)
244FX2820	3.10	(0.288)	5.14	(0.478)
244FX3020	3.59	(0.333)	5.79	(0.

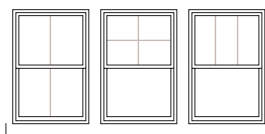
TILT-WASH DOUBLE-HUNG WINDOWS

Standard Divided Light Patterns for Tilt-Wash Double-Hung Windows

Unit Number	Colonial	Prairie A	Unit Number	Colonial	Prairie A	Unit Number	Colonial	Prairie A
244DH1830 244DH2030 244DH1836 244DH2036 244DH1840 244DH2040 244DH1846 244DH2046 244DH1849 244DH2049 244DH1850 244DH2050 244DH1856 244DH2056 244DH1860 244DH2060			244DH2430 244DH2830 244DH3030 244DH2436 244DH2836 244DH3036 244DH2440 244DH2840 244DH3040 244DH2446 244DH2846 244DH3046 244DH2449 244DH2849 244DH3049 244DH2450 244DH2850 244DH3050 244DH2456 244DH2856 244DH3056 244DH2460 244DH2860 244DH3060			244DH3430 244DH3436 244DH3440 244DH3446 244DH3449 244DH3450 244DH3456 244DH3460		

Both grille patterns are available for all units in upper sash only (USO).


Specified equal light and custom patterns are also available. Not all grille patterns are available in all configurations. See page 5, visit andersenwindows.com/grilles or contact your Andersen supplier.



Specified Equal Light Examples

Standard Divided Light Patterns for Tilt-Wash Double-Hung Picture Windows

Unit Number	Colonial	Modified Colonial*	Tall Fractional*	Short Fractional*	Prairie A
244FX3030 244FX3040 244FX3046 244FX3049 244FX3050 244FX3056 244FX3060					
244FX4030 244FX4630 244FX4930 244FX5030 244FX5630 244FX6030 244FX4040 244FX4640 244FX4940 244FX5040 244FX5640 244FX6040 244FX4046 244FX4646 244FX4946 244FX5046 244FX5646 244FX6046 244FX4049 244FX4649 244FX4949 244FX5049 244FX5649 244FX6049 244FX4050 244FX4650 244FX4950 244FX5050 244FX5650 244FX6050 244FX4056 244FX4656 244FX4956 244FX5056 244FX4060 244FX4660 244FX4960 244FX5060					


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



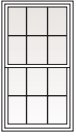
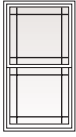
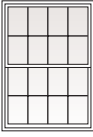
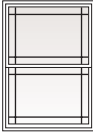


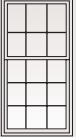
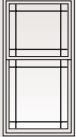
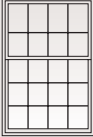
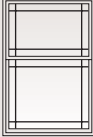


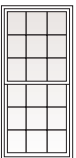
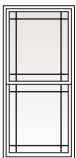
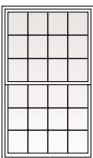
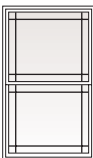
Standard Divided Light Patterns for Tilt-Wash Double-Hung Transom Windows

Unit Number	Colonial	Unit Number	Colonial	Unit Number	Colonial
244FX1810 244FX2010 244FX1816 244FX2016		244FX2410 244FX2810 244FX3010 244FX2416 244FX2816 244FX3016		244FX3410 244FX3416	
244FX1820 244FX2020		244FX2420 244FX2820 244FX3020		244FX3420	

Standard Divided Light Patterns for Tilt-Wash Double-Hung Circle Top™ Windows

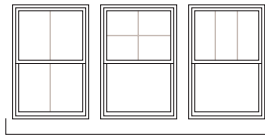
Renaissance					
Sunburst					
	244CT18	244CT20	244CT24	244CT28	244CT30

Standard Divided Light Patterns for Narroline® Double-Hung Windows

Unit Number	Colonial	Prairie A	Unit Number	Colonial	Prairie A	Unit Number	Colonial	Prairie A
18210 1832 18310 1842 1846 1852			20210 24210 28210 2032 2432 2832 20310 24310 28310 2042 2442 2842 2046 2446 2846 2052 2452 2852			30210 34210 3032 3432 30310 34310 3042 3442 3046 3446 3052 3452		
1856			2056 2456 2856			3056 3456 3856		
	*Cottage Sash	*Cottage Sash		*Cottage Sash	*Cottage Sash		*Cottage Sash	*Cottage Sash
1862			2062 2462 2862			3062 3462		

Both grille patterns are available for all units in upper sash only (USO).











Specified equal light and custom patterns are also available. Not all grille patterns are available in all configurations. See page 5, visit andersenwindows.com/grilles or contact your Andersen supplier.

















Specified Equal Light Examples

*Available in 5'-9 1/4" height only.

Standard Divided Light Patterns for Narroline® Transom Windows

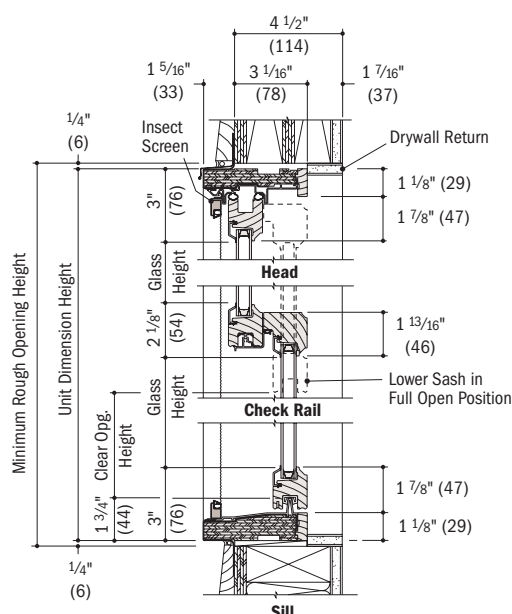
	Colonial							
								
	2410	2810	3010	3410				
Unit Number	Colonial	Prairie A	Unit Number	Colonial	Prairie A	Unit Number	Colonial	Prairie A
1816 1820 1828			2016 2416 2816 2020 2420 2820 2028 2428 2828			3016 3416 3020 3420 3028 3428		

Standard Divided Light Patterns for Narroline® Circle Top™ Windows

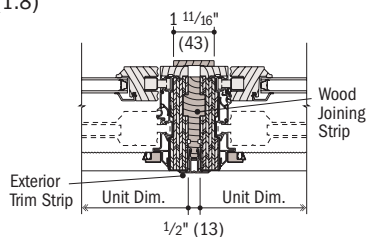
Sunburst							
Renaissance							
	CTN20	CTN24	CTN28	CTN30	CTN34	CTN28-2	CTN30-2

TILT-WASH DOUBLE-HUNG WINDOWS

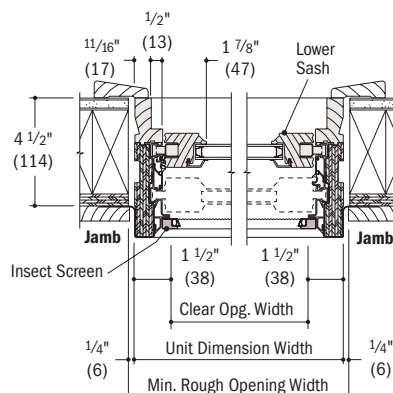
Basic Unit and Rough Opening Details Scale 1 1/2" = 1'-0" (1:8)



Vertical Section

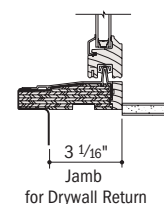
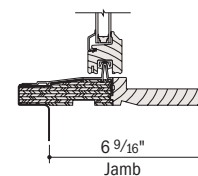
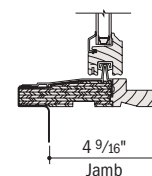
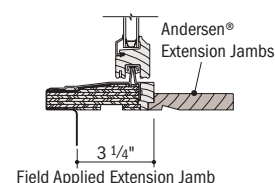


Non-Reinforced Joining

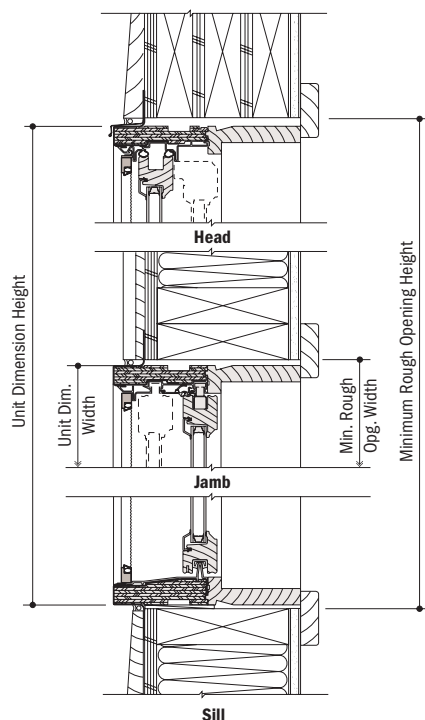


Horizontal Section

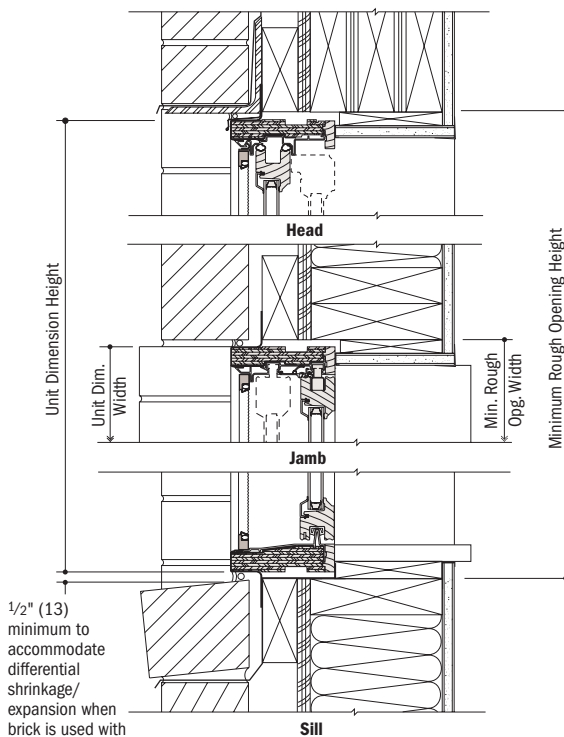
Jamb Width Options



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



2x6 Wood Framing



Brick Veneer / 2x6 Wood Framing

Rough openings may need to be increased to allow for the 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 silicone sealant. Be sure to allow for dimensional change of framework.

NOTE: Contact E.I.F.S. manufacturer for installation instructions, including the use of appropriate flashing, the proper use of sealant and backer rod, and the proper width of sealant joint around the perimeter of the window.

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.