Measurement Guide

for Andersen® 400 Series Custom-Size Casement Bow/Bay/Box Windows

Thank you for choosing Andersen.

For questions call 1-888-888-7020 Monday - Friday, 7 a.m. to 7 p.m. and Saturday, 8 a.m. to 4 p.m. central time. For more information and/or guides visit andersenwindows.com.

- ***Read this measurement guide from beginning to end before beginning. Read all warnings and cautions during unit installation.***
- ***Read and follow product installation guide for installation instructions.***

⚠ WARNING

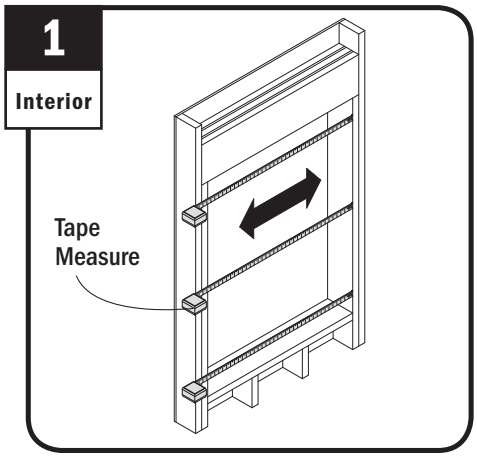
Proper support of projecting bow and bay windows is required, see installation guidelines. Failure to do so may result in injury and/or product/property damage.

Before Measuring:

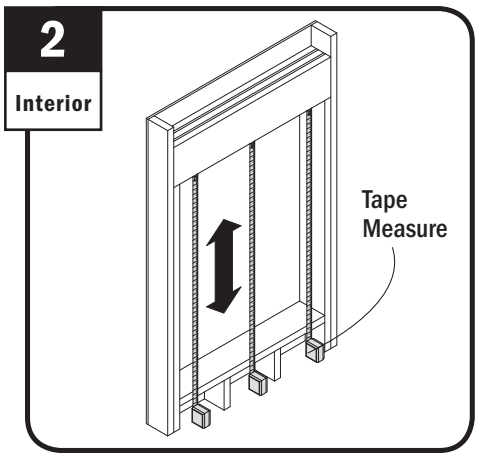
- Be sure rough opening is sound and suitable for window installation.
- Existing opening must be plumb, level and square. If not, adjustments must be made to window size when ordering.

Measuring Information:

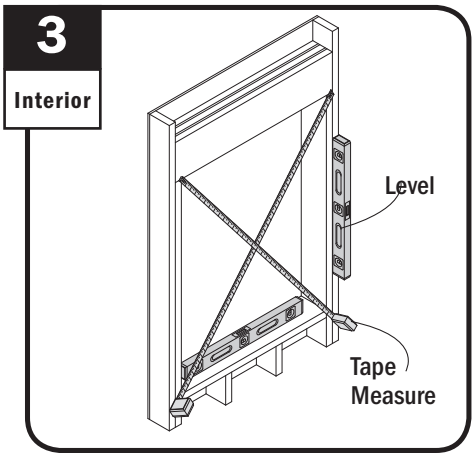
- Record measurements on "Measurement Worksheet". (Allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items).
- Describe window locations clearly. Record measurements (round down to nearest 1/8").
- Measure each rough opening even if they appear the same size.



Measure rough opening width at bottom, middle, and top. Record smallest width on worksheet (round down to nearest 1/8").



Measure rough opening height at sides and middle. Record smallest height on worksheet (round down to nearest 1/8").



Check plumb, level, square. Diagonals must be within 1/8".

Custom casement bay, box and bow windows are available in 1/8" increments between minimum and maximum width and height dimensions.

Custom Casement 10° Bow Window Size and Projection Range

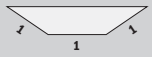
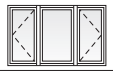
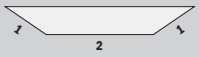
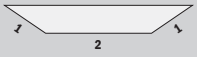
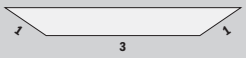
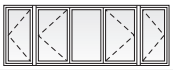
Window Configuration	Center Window Venting Configuration	Window Dimension					Projection	
		Minimum Width Inches	Maximum Width Inches		Minimum Height Inches	Maximum Height Inches	Minimum Depth Inches	Maximum Depth Inches
3 Wide	Venting or Stationary	52 1/2"	108 7/8"	X	26 1/8"	73 7/8"	4 3/8"	7 5/8"
4 Wide	Venting or Stationary	69 1/2"	143 7/8"	X	26 1/8"	73 7/8"	7 3/8"	13 7/8"
5 Wide	Venting or Stationary	85 7/8"	164 1/4"	X	26 1/8"	73 7/8"	10 3/8"	18 5/8"
6 Wide	Venting or Stationary	101 5/8"	164 1/4"	X	26 1/8"	73 7/8"	14 7/8"	23 3/16"
7 Wide	Venting or Stationary	116 5/8"	164 1/4"	X	26 1/8"	73 7/8"	19 3/16"	26 3/8"

- **Common venting configurations are shown; choose left venting, right venting or stationary.**
- **For 30°& 45°Bay and 90°Box Bay Window size and projection range tables, see page 2 on back side.**

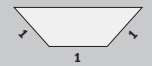
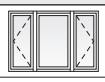
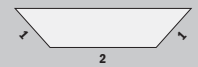
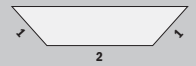
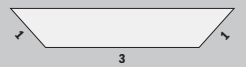
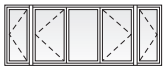
9044885 BA Revised 01/24/11

Custom casement bay, box and bow windows are available in 1/8" increments between minimum and maximum width and height dimensions.

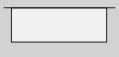
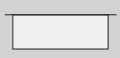
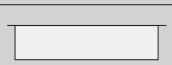
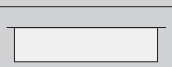
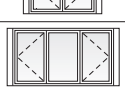
Custom Casement 30˚ Angle Bay Window Size and Projection Range

Sash Ratio Window Configuration	Center Window Venting Configuration	Window Dimension					Projection	
		Minimum Width Inches	Maximum Width Inches		Minimum Height Inches	Maximum Height Inches	Minimum Inches	Maximum Inches
1:1:1 	Venting or Stationary 	50"	101 1/2"	X	26 1/8"	73 7/8"	10 1/4"	19 5/8"
1:2:1 	Venting or Stationary	67 3/8"	137 1/2"	X	26 1/8"	73 7/8"	10 1/4"	19 5/8"
1:2:1 	Picture	70 7/8"	115 1/4"	X	38"	73 7/8"	10 3/4"	16 5/8"
		115 1/4"	137 5/8"	X	38"	61 7/8"	16 5/8"	19 5/8"
1:3:1 	Venting or Stationary 	84 1/2"	144"	X	26 1/8"	73 7/8"	10 1/4"	16 1/2"
1:3:1	Picture	83 7/8"	97 7/8"	X	38"	73 7/8"	10 1/4"	11 5/8"
		97 7/8"	116 7/8"	X	38"	61 7/8"	11 5/8"	13 5/8"

Custom Casement 45˚ Angle Bay Window Size and Projection Range

Sash Ratio Window Configuration	Center Window Venting Configuration	Window Dimension					Projection	
		Minimum Width Inches	Maximum Width Inches		Minimum Width Inches	Maximum Width Inches	Minimum Inches	Maximum Inches
1:1:1 	Venting or Stationary 	45 3/4"	91 1/4"	X	26 1/8"	73 7/8"	14 3/16"	27 1/2"
1:2:1 	Venting or Stationary	63"	127 1/4"	X	26 1/8"	73 7/8"	14 1/4"	27 1/2"
1:2:1 	Picture	66"	106 7/8"	X	38"	73 7/8"	14 7/8"	23 1/4"
		106 7/8"	127 1/4"	X	38"	61 7/8"	23 1/4"	27 1/2"
1:3:1 	Venting or Stationary 	80 1/8"	144"	X	26 1/8"	73 7/8"	14 1/4"	24 5/16"
1:3:1	Picture	79 5/8"	92 3/4"	X	38"	73 7/8"	14 3/16"	16 1/4"
		92 3/4"	110 3/8"	X	38"	61 7/8"	16 1/4"	19"

Custom Casement 90˚ Box Bay Window Size and Projection Range

Window Configuration	Center Window Venting Configuration	Window Dimension					Flanker		Projection	
		Minimum Width Inches	Maximum Width Inches		Minimum Height Inches	Maximum Height Inches	Minimum Width Inches	Maximum Width Inches	Minimum Depth Inches	Maximum Depth Inches
	Picture	38 1/4"	61 7/8"	X	38"	73 7/8"	17"	35 7/8"	21 1/2"	40 3/8"
	Picture	61 7/8"	74 1/8"	X	38"	61 7/8"	17"	35 7/8"	21 1/2"	40 3/8"
	Venting or Stationary	36 3/8"	74 1/4"	X	26 1/8"	73 7/8"	17"	35 7/8"	21 1/2"	40 3/8"
	Picture 	53 1/2"	110 3/8"	X	26 1/8"	73 7/8"	17"	35 7/8"	21 1/2"	40 3/8"

► **Common venting configurations are shown; choose left venting, right venting, stationary or picture window.**

Measurement Worksheet

for Andersen® 400 Series Custom-Size Casement Bow/Bay/Box Windows

Andersen WINDOWS • DOORS

Customer

NAME _____ PHONE _____

ADDRESS _____ E-MAIL _____

CITY/STATE/ZIP _____ ORDER DATE _____

Window Location — example: bathroom, — **Window #** ____ of ____

Rough Opening (see size tables on back cover)

STEP 1 Rough opening **width** (round down to nearest 1/8") ____ (width) x

STEP 2 Rough opening **height** (round down to nearest 1/8") ____ (height)

Projection Requirements ○ yes ○ no ____ (projection requirement)

Window Style & Operation

○ **10° bow**

○ **30° bay**

○ **45° bay**

○ **90° box bay**

Color & Finish

exterior		interior	
○ white	○ Terratone®	○ white - painted	○ clear pine
○ sandtone	○ forest green	○ white - vinyl wrapped	

Glass Options

○ **non-tempered** ○ **tempered**

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

○ **Stormwatch® Impact Resistant Glass**

- ○ Low-E4® glass
- ○ Low-E4® SmartSun™ glass
- ○ Monolithic

Grille Style & Size

Divided Light			removable	Finelight™	○ no grille
○ with spacer	○ no spacer	○ no spacer, removable interior	○ removable interior only	○ between glass	

grille width ○ 3/4" (standard) ○ 7/8" ○ 1-1/8"

Grille Pattern

○ **specified light** *sketch pattern* ○ **prairie A** ○ **custom** *sketch pattern* ○ **none**

Extension Jambs

○ 4-9/16" ○ 6-9/16" ○ 5-1/4" ○ 7-1/8" ____ (wall depth)

○ clear pine ○ pre-finished white

Head/Seat Board

○ 4-9/16" ○ 6-9/16" ○ 5-1/4" ○ 7-1/8" ____ (wall depth)

○ clear pine ○ pre-finished white ○ maple ○ oak

Insect Screens

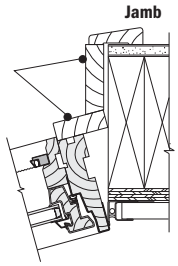
TruScene®			conventional	
○ white	○ stone	○ wood	○ white	○ stone

Hardware

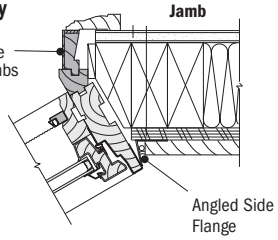
Estate™	folding		classic
	traditional	contemporary	
○ antique brass	○ white	○ white	○ white
○ polished chrome	○ stone	○ stone	○ stone
○ bright brass	○ gold dust	○ bright brass	
○ brushed chrome	○ black	○ oil rubbed bronze	
○ oil rubbed bronze	○ bright brass	○ satin nickel	
○ satin nickel	○ antique brass	○ gold dust	
○ distressed bronze	○ oil rubbed bronze	○ black	
○ distressed nickel	○ satin nickel		
	○ distressed bronze		

Horizontal Sections

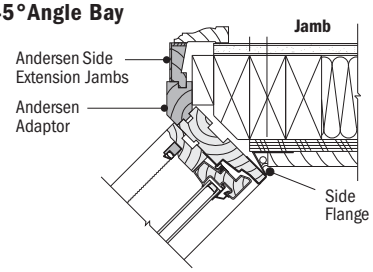
10° Bow



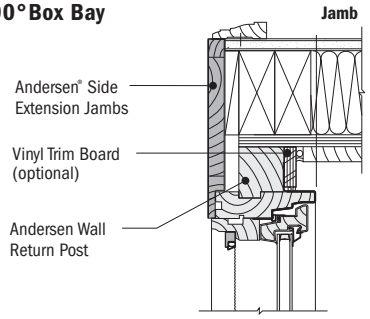
30° Angle Bay



45° Angle Bay



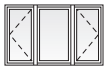
90° Box Bay



► ***Sketch venting configurations***

► ***Sketch grille pattern***

example venting configuration:



left/stationary/right

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Measurement Worksheet

for Andersen® 400 Series Custom-Size Casement Bow/Bay/Box Windows

Andersen WINDOWS • DOORS

Customer

NAME | PHONE

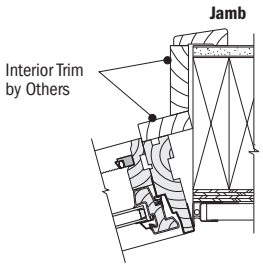
ADDRESS | E-MAIL

CITY/STATE/ZIP | ORDER DATE

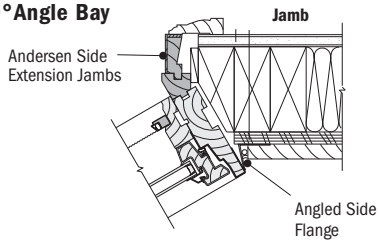
Window Location	example: bathroom,	**Window #** ____ of ____
Rough Opening (see size tables on back cover)	**STEP 1** Rough opening **width** (round down to nearest 1/8") ____ (width) x **STEP 2** Rough opening **height** (round down to nearest 1/8") ____ (height)	**Projection Requirements** ○ yes ○ no ____ (projection requirement)
Window Style & Operation	○ **10° bow**	○ **30° bay** ○ **45° bay** ○ **90° box bay**
Color & Finish	**exterior**: ○ white ○ Terratone® ○ sandtone ○ forest green	**interior**: ○ white - painted ○ clear pine ○ white - vinyl wrapped
Glass Options	○ **non-tempered** ○ **tempered**: ○ Low-E4® glass ○ Low-E4® SmartSun™glass ○ Low-E4® Sun glass	○ **Stormwatch® Impact Resistant Glass**: ○ Low-E4® glass ○ Low-E4® SmartSun™glass ○ Monolithic
Grille Style & Size	**Divided Light**: ○ with spacer ○ no spacer ○ no spacer, removable interior; **removable**: ○ removable interior only; **Finelight™**: ○ between glass; ○ **no grille**	**grille width** ○ 3/4" (standard) ○ 7/8" ○ 1-1/8"
Grille Pattern	○ **specified light** *sketch pattern* ○ **prairie A** ○ **custom** *sketch pattern* ○ **none**	
Extension Jambs	○ 4-9/16" ○ 5-1/4" ○ 6-9/16" ○ 7-1/8" ____ (wall depth)	○ clear pine ○ pre-finished white
Head/Seat Board	○ 4-9/16" ○ 5-1/4" ○ 6-9/16" ○ 7-1/8" ____ (wall depth)	○ clear pine ○ pre-finished white ○ maple ○ oak
Insect Screens	**TruScene®**: ○ white ○ stone ○ wood	**conventional**: ○ white ○ stone
Hardware	**Estate™**: ○ antique brass ○ polished chrome ○ bright brass ○ brushed chrome ○ oil rubbed bronze ○ satin nickel ○ distressed bronze ○ distressed nickel	**folding** — **traditional**: ○ white ○ stone ○ gold dust ○ black ○ bright brass ○ antique brass ○ oil rubbed bronze ○ satin nickel ○ distressed bronze; **contemporary**: ○ white ○ stone ○ bright brass ○ oil rubbed bronze ○ satin nickel ○ gold dust ○ black; **classic**: ○ white ○ stone

Horizontal Sections

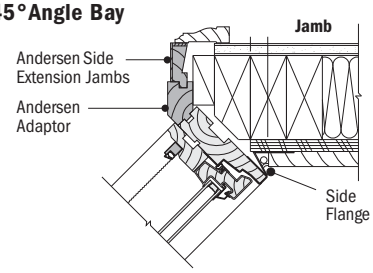
10°Bow



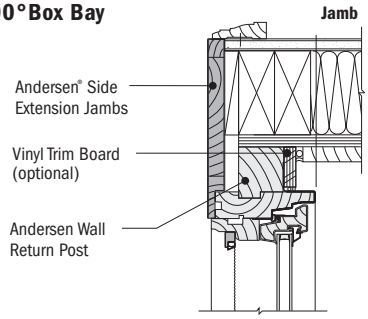
30°Angle Bay



45°Angle Bay



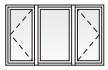
90°Box Bay



► ***Sketch venting configurations***

► ***Sketch grille pattern***

example venting configuration:



left/stationary/right

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