

WINDOW SYSTEMS & SLIDING GLASS DOORS

CAMELOT®



BAY & BOW



GARDEN



SPECIAL



SLIDING GLASS

FEATURES

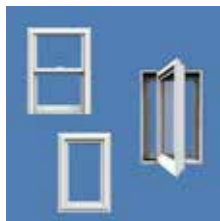
BAY & BOW WINDOWS



BAY

DESIGN-SPECIFIC FEATURES

Bay windows can include double hung, picture, or casements, and will include respective features found with those window types.



100% VIRGIN VINYL

Maintenance-free frames, with fusion welded corners for increased structural integrity exceeds the strength of ordinary designs and is our thickest extrusion available.



DOUBLE WEATHERSTRIPPING

Our draft-resistant Gold Series double weatherstripping provides UV protection while helping resist mold, mildew, and fungus.



PREMIUM DOUBLE STRENGTH GLASS

Standard in units made with Crusader® components.



FEATURES

BAY & BOW WINDOWS

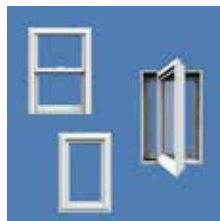


BOW



DESIGN-SPECIFIC FEATURES

Bow windows can include casement or picture, and will include respective features found with those window types.



100% VIRGIN VINYL

Maintenance-free frames, with fusion welded corners for increased structural integrity exceeds the strength of ordinary designs and is our thickest extrusion available.



DOUBLE WEATHERSTRIPPING

Our draft-resistant Gold Series double weatherstripping provides UV protection while helping resist mold, mildew, and fungus.



PREMIUM DOUBLE STRENGTH GLASS

Standard in units made with Crusader® components.



PROJECTION

BAY & BOW WINDOWS



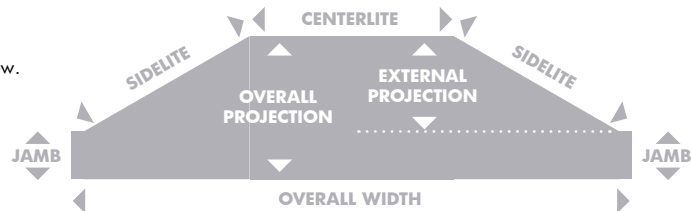
APPROXIMATE PROJECTIONS & OVERALL WIDTHS

All units configured with a standard jamb of 5 1/2"

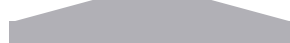


BAY

Overall projection is the entire dimension from the interior edge of the window sill to the outermost exterior edge of the window. All projections are based on a standard jamb size of five and one-half (5 1/2) inches. All units are constructed with equal dimension sections. All projections are estimates only and the actual projection may vary.



9°



15°



30°



45°

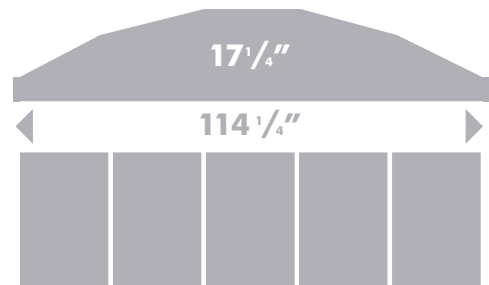
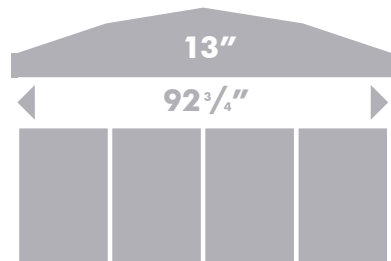
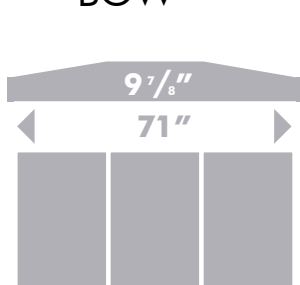
BAY WINDOW PROJECTION CHART

SIDELITE WIDTH	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"
9° UNIT	7 7/8"	8"	8 1/8"	8 1/4"	8 3/8"	8 5/8"	8 3/4"	8 7/8"	9"	9 1/4"	9 3/8"	9 1/2"	9 3/4"
15° UNIT	9 1/2"	9 3/4"	10"	10 1/4"	10 1/2"	10 3/4"	11"	11 3/8"	11 1/2"	11 3/4"	12"	12 1/4"	12 1/2"
30° UNIT	13 1/2"	14"	14 1/2"	15"	15 1/2"	16"	16 1/2"	17"	17 1/2"	18"	18 1/2"	19"	19 1/2"
45° UNIT	17 1/4"	18"	18 3/4"	19 3/8"	20"	20 7/8"	21 1/2"	22 1/4"	23"	23 5/8"	24 1/4"	25"	25 3/4"



BOW

Overall projection is the entire dimension from the interior edge of the window sill to the outermost exterior edge of the window. Our bow window is available in four different degree options: 9, 15, 30 or 45 and can be customized to meet your needs. It all depends on what type of projection you are looking for. Standard bow projections utilize a 9° mullion. A 15° mullion is available for deeper projection, and a 5° mullion for more shallow projection.



BOW PROJECTIONS

	Size Range	Overall Projection Range
9° 3-LITE UNIT	52" - 96"	9 1/2" - 12"
9° 4-LITE UNIT	66" - 120"	12 1/4" - 17"
9° 5-LITE UNIT	84" - 144"	15 1/4" - 21 1/2"



OPTIONS

BAY & BOW WINDOWS



DESIGN-SPECIFIC OPTIONS

Bay and Bow windows can include Double Hung, Picture, or Casement, and will include respective features found with those window types.



CABLE SUPPORT SYSTEM

A threaded steel rod and cable support system work behind the scenes to maximize stability and strength throughout the life of your unit.



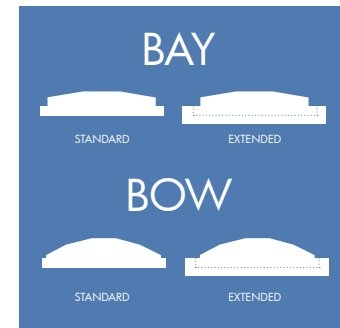
HEAD & SEAT BOARD OPTIONS

Choose your head & seat board material from Birch Plywood, Red Oak, or Solid Vinyl to best suit your project needs and surrounding construction.



SILL EXTENSION

Increase sill surface with the extension option, to have your sill cut to a shape with added space and more interior projection off the unit.



*Structural knee braces and/or NBP cable support systems are required for installation of windows projecting six (6) or more inches beyond the outside wall consistent with installation instructions. Failure to utilize structural knee braces and/or NBP cable support systems where required will void this Warranty. A pent roof/single slope surface is required above all bay/bow installations.

FEATURES

VENTANA GARDEN WINDOWS



FLEXSCREEN™

The high performance spring steel frame that is captured in the screen track and can be easily removed from inside the home.



100% VIRGIN VINYL

Fully welded, rigid PVC vinyl frame will not chip, rot or peel and will never need to be painted.



HEAVY-DUTY HANDLES & CRANKS

Folding down into the operator when not in use, the handle/crank is perfect when the window is hard to reach. There when you need it, hidden when you don't.



LOW-E GLASS

Double-pane Low-E glass on garden units help achieve an AAMA certified DP50 (R50) rating for units under 60.5"x60.5".



ADJUSTABLE SHELF

One or more adjustable glass shelves with polished edges, brackets and standards.



HEAVY-DUTY LOCK HANDLES

With one simple, smooth lever action, our patented heavy-duty lock makes for easy operation. Made from die cast zinc.



BULB SEAL

The high performance spring steel frame that is captured in the screen track and can be easily removed from inside the home.



SIZING & OPTIONS

VENTANA GARDEN WINDOWS



GARDEN

HEIGHTS

30" - 62"

SIZES
EVERY
1/4"

24" - 72"
WIDTHS

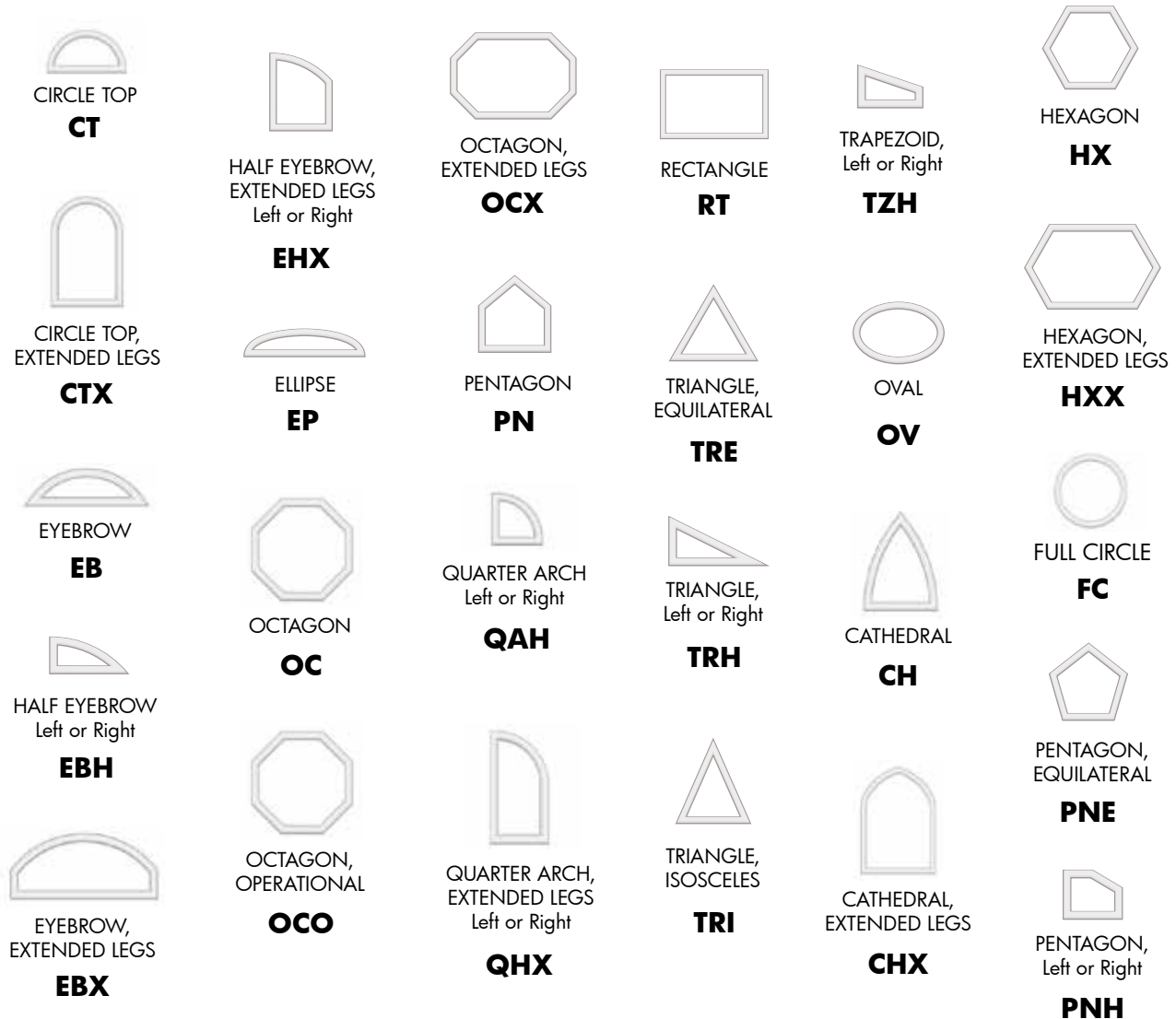
HEAD & SEAT BOARD OPTIONS

Choose your head & seat board finish from Birch Veneer, Oak Veneer, White Pionite or Tan Pionite to best complement your home decor.



FEATURES

VENTANA SPECIAL SHAPE WINDOWS



INTERIOR CASING & JAMB EXTENSION

An excellent and low-maintenance alternative to wood for its resistance to moisture, rotting, cracking, insect infiltration of your unit.


























TRIM BOARDS & BRICKMOULD

Low-maintenance, long-lasting PVC trim boards & brickmould can make finishing easy and durable.



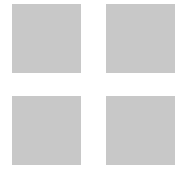


		MIN WIDTH/HEIGHT	MAX WIDTH/HEIGHT	WIDTH<HEIGHT (3mm/4mm/5mm)	WIDTH>HEIGHT (3mm/4mm/5mm)	MAX FT. ² (3mm)	MAX FT. ² (4mm)	MAX FT. ² (5mm)	MIN CUT ANGLE	MIN MINOR RADIUS	MAX WELD LENGTH	MIN LEG
(GLASS THICKNESS)												
	CT	22"x11"	120"x60"	N/A	N/A	22	42	50	11.5°	11"	N/A	N/A
	CTX	22"x11 1/8"	N/A	96"x130"	130"x96"	22	42	50	11.5°	11"	N/A	1/8"
	EB	23 1/2"x7 3/4"	N/A	N/A	120"x59.75"	22	42	50	11.5°	11"	N/A	N/A
	EBH	21"x6"	N/A	N/A	120"x59.75"	22	42	50	11.5°	11"	N/A	N/A
	EBX	23 1/2"x12 3/4"	N/A	96"x130"	130"x96"	22	42	50	11.5°	11"	N/A	5"
	EHX	21"x11"	N/A	96"x130"	130"x96"	22	42	50	11.5°	11"	N/A	5"
	EP	35 1/2"x11 3/4"	N/A	N/A	120"x59.75"	22	42	50	11.5°	9 3/4"	N/A	N/A
	OC	16"x16"	84"x84"	N/A	N/A	22	42	50	11.5°	N/A	N/A	N/A
	OCO	24"x24"	36"x36"	N/A	N/A	22	N/A	N/A	11.5°	N/A	N/A	N/A
	OCX	16"x21"	N/A	96"x130"	130"x96"	22	42	50	11.5°	N/A	N/A	5"
	PN	10 1/4"x9"	N/A	96"x130"	130"x96"	22	42	50	11.5°	N/A	8"	5"
	QAH	18"x18"	84"x84"	N/A	N/A	22	42	50	11.5°	11"	N/A	N/A
	QHX	18"x18 1/8"	N/A	96"x130"	130"x96"	22	42	50	11.5°	11"	N/A	1/8"
	RT	18"x18"	N/A	96"x130"	130"x96"	22	42	50	N/A	N/A	N/A	N/A
	TRE	24"x24"	84"x84"	N/A	N/A	22	42	50	11.5°	N/A	8"	N/A
	TRH	16"x8 1/2"	N/A	96"x130"	130"x96"	22	42	50	11.5°	N/A	8"	N/A
	TRI	15"x20"	N/A	96"x130"	130"x96"	22	42	50	11.5°	N/A	8"	N/A
	TZH	14 1/4"x6"	N/A	96"x130"	130"x96"	22	42	50	11.5°	N/A	8"	5"
	OV	24"x17"	N/A	96"x130"	130"x96"	22	42	50	11.5°	11"	N/A	N/A
	CH	18"x19"	N/A	96"x130"	130"x96"	22	42	50	11.5°	N/A	8"	N/A
	CHX	18"x19"	N/A	96"x130"	130"x96"	22	42	50	11.5°	N/A	8"	5"
	HX	16"x16"	84"x84"	N/A	N/A	22	42	50	11.5°	N/A	N/A	N/A
	HXX	16"x21"	N/A	96"x130"	130"x96"	22	42	50	11.5°	N/A	N/A	5"
	FC	19 1/2"x19 1/2"	84"x84"	N/A	N/A	22	42	50	11.5°	N/A	N/A	N/A
	PNE	10 1/4"x10 1/4"	84"x84"	N/A	N/A	22	42	50	11.5°	N/A	8"	N/A
	PNH	10 1/4"x9"	N/A	96"x130"	130"x96"	22	42	50	11.5°	N/A	8"	5"

DUE TO PROFILE RESTRICTIONS, NEW CONSTRUCTION WINDOWS CANNOT GO BELOW A 15 DEGREE CUT ANGLE
MAX SQUARE FEET IS CALCULATED FROM GLASS SIZE AND NOT FRAME SIZE
PENTAGON BASE HEIGHT CANNOT BE MORE THAN 5 INCHES LESS THAN THE HEIGHT

GRIDS

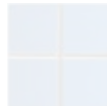
VENTANA SPECIAL SHAPE WINDOWS



CONTOUR
(WINDOW COLOR)



FLAT
(WHITE/ALMOND/COCOA/WH)



ELITE
(PEWTER/BASS)



CIRCLE TOP



**CIRCLE TOP,
EXTENDED LEGS**



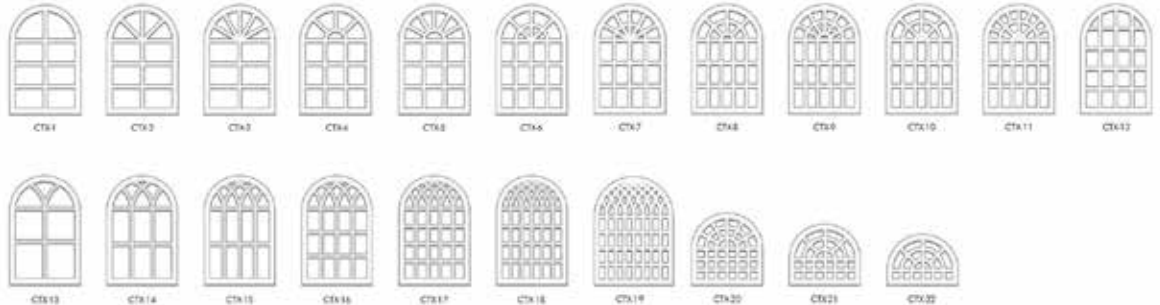
FULL CIRCLE



CIRCLE TOP

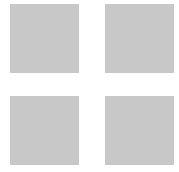


**CIRCLE TOP,
EXTENDED LEGS**



FULL CIRCLE

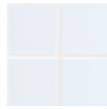




CONTOUR
(WINDOW COLOR)



FLAT
(WHITE/ALMOND/COCOA/WH)



ELITE
(PEWTER/BRASS)



QUARTER ARCH
(Left or Right)



**QUARTER ARCH,
EXTENDED LEGS**
(Left or Right)



QUARTER ARCH
(Left or Right)



GA-1



GA-2



GA-3



GA-4



GA-5



GA-6



GA-7



GA-8



GA-9



GA-10



GA-11



GA-12



GA-13



GA-14



GA-15



GA-16



**QUARTER ARCH,
EXTENDED LEGS**
(Left or Right)



GA-17



GA-18



GA-19



GA-20



GA-21



GA-22



GA-23



GA-24



GA-25



GA-26



GA-27



GA-28



GA-29



GA-30



GA-31



GA-32



GA-33



GA-34



GA-35



GA-36



GA-37



GA-38



GA-39



GA-40



GA-41

GRIDS

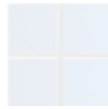
VENTANA SPECIAL SHAPE WINDOWS



CONTOUR
(WINDOW COLOR)



FLAT
(WHITE/ALMOND/COCOA/WH)



ELITE
(PEWTER/BRASS)



EYEBROW



EYEBROW,
EXTENDED LEGS



ELLIPSE



EYEBROW



EB-2



EB-3



EB-6 (with spaco)



EB-7



EB-8



EYEBROW,
EXTENDED LEGS



EBX-12



EBX-13



EBX-14



EBX-15



EBX-10



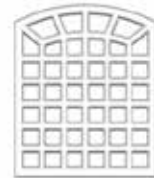
EBX-11



EBX-7



EBX-8



EBX-9



EBX-1



EBX-2



EBX-3



EBX-4



EBX-5



EBX-16



EBX-6



ELLIPSE



EP-1



EP-2



EP-3



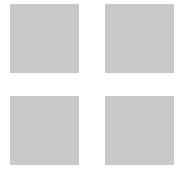
EP-4



EP-5

GRIDS

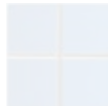
VENTANA SPECIAL SHAPE WINDOWS



CONTOUR
(WINDOW COLOR)



FLAT
(WHITE/ALMOND/COCOA/WH)



ELITE
(PEWTER/BRASS)



OVAL



CATHEDRAL



CATHEDRAL,
EXTENDED LEGS



OCTAGON



OVAL



OV-2



OV-3



OV-4



OV-5



OV-6



OV-7



OV-8



CATHEDRAL



CH-1



CH-2



CH-3



CATHEDRAL,
EXTENDED LEGS



CHX-2



CHX-3



CHX-4



CHX-5



CHX-6



OCTAGON



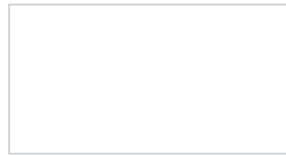
OT-1



OT-2

COLOR

STANDARD VINYL

WHITE



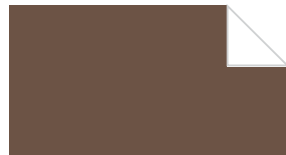
GARDEN
& SPECIAL



ALMOND



BAW,
BOW,
SLIDING
GLASS
DOORS



COCOA/WHITE





PERFORMANCE

U-VALUES



"ENERGY STAR® is the government-backed symbol for energy efficiency, providing simple, credible, and unbiased information that consumers and businesses rely on to make well-informed decisions." energystar.gov



"The National Fenestration Rating Council is a non-profit organization that establishes objective window, door, and skylight energy performance ratings to help you compare products and make informed purchase decisions." nfr.org

U-FACTOR

The U-Factor is a material's effectiveness as an insulator. The lower the U-Factor, the better the unit performs as thermal insulation.

SHGC

The Solar Heat Gain Coefficient is the fraction of incident solar radiation admitted through. The lower the SHGC, the less solar heat the unit transmits.

Program Requirements for Windows, Doors, & Skylights: Version 6.0 (January 1, 2016)

— non-impact — | — impact —

PERFORMANCE PACKAGE


STANDARD ni
(CLEAR/CLEAR)

LOW-E/ARGON ni
(LOW-E/ARGON)

NORTHERN ni
(LOW-E(2)/ARGON)

STANDARD i
(CLEAR/CLEAR IMPACT))

LOW-E/ARGON i
(LOW-E/ARGON IMPACT)

WINDOW TYPE	U S	U S	U S	U S	U S
 SLIDING GLASS	.45 .53	.30 .28	.26 .27	.45 .48	.30 .20 (SB-70)

Thermal values are based on units produced with no grids.

FOR COMPREHENSIVE NBP PRODUCT ENERGY STAR & NFRC INFO, INCLUDING
ZONE REQUIREMENTS & QUALIFICATIONS VISIT NBPwindows.com/learn/energy-efficiency

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