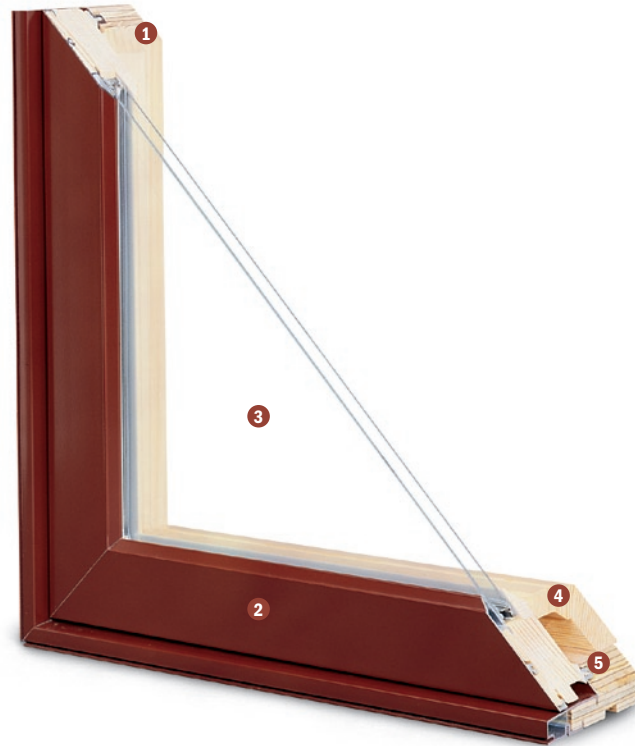


Eagle Axiom®

# Casement Windows



## Frame & Sash

**1** Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in complimentary pine or mixed grain fir, or optional wood species including cherry, hickory, African mahogany, maple, oak, walnut, alder or vertical grain fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and basecoats.

**2** Wood components are fitted with aluminum extrusions on the exterior. 50 colors conforming to AAMA 2604 are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

## Glazing

**3** High-Performance™ Low-E4® glass with a low-conductance spacer. Tinted, clear IG, high-altitude glass and other special glazing options are available.

**4** Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary.

## Weather Strip

**5** A continuous perimeter bulb weather strip around the frame ensures proper seal at corners.

A secondary bulb weather strip is applied on three sides of the sash. Available in white or optional black.

## 6 Hardware

Equipped with a stainless steel gear operator, concealed hinges and hinge track. Radius and French casement units use stainless steel piano hinges.

Concealed sash locks (multi-point on units over 3' high) provide a positive lock by operating one convenient lever. Stainless steel keepers resist corrosion.

Locks, handles and operator covers are available in 10 finishes and can be shipped separately closer to job completion.

Eagle's construction locks and crank handles keep your permanent window hardware away from the construction process and possible damage, yet allow operation of windows during construction.

Locks for French casement windows are available in bronze, white and plated polished brass finishes. Additional finishes of antique brass, brushed chrome and polished chrome are also available.

Electric operators are available in bronze or white.

ADA hardware is available upon request.

## Electric Operator



Available In  
BRONZE OR WHITE

# Features & Options

<p><b>6</b></p> <p><i>Crank Handles &amp; Operator Covers</i></p>	<p><i>French Casement Locks</i></p>	<p><i>Blinds, Shades &amp; Screens</i></p>
<p><i>Construction Hardware</i></p>	<p><i>Sash Locks</i></p>	<p><i>Divided Lights</i></p>

## Window Anchorage

Folding vinyl nailing fins are pre-applied into a kerf on the frame exterior to facilitate installation. Optional metal installation clips are available.

### 7 Screens

Charcoal fiberglass screen mesh fits into an aluminum frame in colors of bronze, white or gold as well as optional black. Aluminum mesh screen and wood-veneered screen also available as options.

TruScene® insect screens available in painted aluminum or wood-veneered options.

Eagle Axiom® retractable screen available in wood-veneered options.

### 8 Divided Lights

**Modern Divided Lights®.** Fixed interior and exterior grilles with internal spacers between two panes of glass. Available in 5/8", 7/8", 1 1/8" or 1 1/2" profiles.

**Classic Divided Lights.** Fixed exterior and interior grilles without an internal spacer. Available in 5/8", 7/8", 1 1/8" or 1 1/2" profiles.

**Between-glass grilles.** Available in 5/8" flat or 1" aluminum contoured profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

**Removable wood grilles.** Removable wood grilles are available in a 7/8" profile with optional surround and fixed exterior grilles.

### 9 Privacy Options

**System 3 Blinds.** A 5/8" aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy-efficiency. Available in four colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior. Panels provide a virtually dust-free environment.

**System 3 Shades.** Pleated fabric shades are available in six colors to effortlessly and beautifully filter the light. See page 15 for more details.

### System 3 Shades



Available In  
ALMOND, PEARL, MAGNOLIA,  
GARDENIA, WINTER AND VANILLA

# Eagle Window & Door

## Opening Tables

### Eagle Axiom® Casement Windows

Unit No.	Width (Inches)	Height (Inches)	Meets Egress Req.	Sq. Ft. Clear Opening	Clear Opening (Inches)		Sq. Ft. Vent	Sq. Ft. Daylight Opening	Glass Size (Inches)		Floor to Sill Height (Inches)
					Width	Height			Width	Height	
15 3/4 20	17 3/4	24	No	1.28	9 9/16	19 5/16	1.65	1.44	12 3/4	19	60 13/16
15 3/4 26	17 3/4	30	No	1.68	9 9/16	25 5/16	2.16	1.93	12 3/4	25	54 13/16
15 3/4 28	17 3/4	32	No	1.81	9 9/16	27 5/16	2.34	2.09	12 3/4	27	52 13/16
15 3/4 30	17 3/4	36	No	2.08	9 9/16	31 5/16	2.68	2.41	12 3/4	31	48 13/16
15 3/4 34	17 3/4	40	No	2.34	9 9/16	35 5/16	3.02	2.73	12 3/4	35	44 13/16
15 3/4 40	17 3/4	48	No	2.88	9 9/16	43 5/16	3.70	3.38	12 3/4	43	36 13/16
15 3/4 46	17 3/4	54	No	3.27	9 9/16	49 5/16	4.22	3.86	12 3/4	49	30 13/16
15 3/4 50	17 3/4	60	No	3.67	9 9/16	55 5/16	4.73	4.35	12 3/4	55	24 13/16
15 3/4 56	17 3/4	66	No	4.07	9 9/16	61 5/16	5.24	4.83	12 3/4	61	18 13/16
15 3/4 60	17 3/4	72	No	4.47	9 9/16	67 5/16	5.76	5.32	12 3/4	67	12 13/16
1820	20	24	No	1.58	11 13/16	19 5/16	1.95	1.72	15	19	60 13/16
1826	20	30	No	2.08	11 13/16	25 5/16	2.56	2.30	15	25	54 13/16
1828	20	32	No	2.24	11 13/16	27 5/16	2.76	2.49	15	27	52 13/16
1830	20	36	No	2.57	11 13/16	31 5/16	3.17	2.88	15	31	48 13/16
1834	20	40	No	2.90	11 13/16	35 5/16	3.57	3.26	15	35	44 13/16
1840	20	48	No	3.55	11 13/16	43 5/16	4.38	4.03	15	43	36 13/16
1846	20	54	No	4.04	11 13/16	49 5/16	4.99	4.61	15	49	30 13/16
1850	20	60	No	4.54	11 13/16	55 5/16	5.59	5.19	15	55	24 13/16
1856	20	66	No	5.03	11 13/16	61 5/16	6.20	5.77	15	61	18 13/16
1860	20	72	No	5.52	11 13/16	67 5/16	6.81	6.35	15	67	12 13/16
2020	24	24	No	2.12	15 13/16	19 5/16	2.49	2.22	19	19	60 13/16
2026	24	30	No	2.78	15 13/16	25 5/16	3.26	2.96	19	25	54 13/16
2028	24	32	No	3.00	15 13/16	27 5/16	3.52	3.21	19	27	52 13/16
2030	24	36	No	3.44	15 13/16	31 5/16	4.04	3.71	19	31	48 13/16
2034	24	40	No	3.88	15 13/16	35 5/16	4.55	4.20	19	35	44 13/16
2040	24	48	No	4.76	15 13/16	43 5/16	5.58	5.20	19	43	36 13/16
2046	24	54	No	5.41	15 13/16	49 5/16	6.36	5.94	19	49	30 13/16
2050	24	60	No	6.07	15 13/16	55 5/16	7.13	6.69	19	55	24 13/16
2056	24	66	No	6.73	15 13/16	61 5/16	7.90	7.43	19	61	18 13/16
2060	24	72	No	7.39	15 13/16	67 5/16	8.68	8.18	19	67	12 13/16
2426	28	30	No	3.74	21 9/32	25 5/16	3.97	3.63	23	25	54 13/16
2428	28	32	No	4.04	21 9/32	27 5/16	4.28	3.93	23	27	52 13/16
2430	28	36	No	4.63	21 9/32	31 5/16	4.91	4.54	23	31	48 13/16
2434	28	40	No	5.22	21 9/32	35 5/16	5.53	5.15	23	35	44 13/16
2440	28	48	Yes	6.40	21 9/32	43 5/16	6.79	6.36	23	43	36 13/16
2446	28	54	Yes	7.29	21 9/32	49 5/16	7.73	7.27	23	49	30 13/16
2450	28	60	Yes	8.17	21 9/32	55 5/16	8.67	8.18	23	55	24 13/16
2456	28	66	Yes	9.06	21 9/32	61 5/16	9.61	9.10	23	61	18 13/16
2460	28	72	Yes	9.95	21 9/32	67 5/16	10.55	10.01	23	67	12 13/16
2626	30	30	No	3.83	21 13/16	25 5/16	4.32	3.96	25	25	54 13/16
2630	30	36	No	4.74	21 13/16	31 5/16	5.34	4.95	25	31	48 13/16
2634	30	40	No	5.35	21 13/16	35 5/16	6.02	5.62	25	35	44 13/16
2640	30	48	Yes	6.56	21 13/16	43 5/16	7.39	6.94	25	43	36 13/16
2646	30	54	Yes	7.47	21 13/16	49 5/16	8.41	7.94	25	49	30 13/16
2650	30	60	Yes	8.38	21 13/16	55 5/16	9.43	8.93	25	55	24 13/16
2656	30	66	Yes	9.29	21 13/16	61 5/16	10.46	9.93	25	61	18 13/16
2660	30	72	Yes	10.20	21 13/16	67 5/16	11.48	10.92	25	67	12 13/16
2828	32	32	No	4.52	23 13/16	27 5/16	5.04	4.65	27	27	52 13/16
2830	32	36	No	5.18	23 13/16	31 5/16	5.78	5.37	27	31	48 13/16
2834	32	40	No	5.84	23 13/16	35 5/16	6.51	6.09	27	35	44 13/16
2840	32	48	Yes	7.16	23 13/16	43 5/16	7.99	7.52	27	43	36 13/16
2846	32	54	Yes	8.15	23 13/16	49 5/16	9.10	8.60	27	49	30 13/16
2850	32	60	Yes	9.15	23 13/16	55 5/16	10.20	9.68	27	55	24 13/16
2856**	32	66	No	10.14	23 13/16	61 5/16	11.31	10.76	27	61	18 13/16

# Eagle Window & Door

## Opening Tables

### Eagle Axiom® Casement Windows

Unit No.	Width (Inches)	Height (Inches)	Meets Egress Req.	Sq. Ft. Clear Opening	Clear Opening (Inches)		Sq. Ft. Vent	Sq. Ft. Daylight Opening	Glass Size (Inches)		Floor to Sill Height (Inches)
					Width	Height			Width	Height	
2860***	32	72	No	13.03	27 7/8	67 5/16	13.03	11.80	26 13/16	67	12 13/16
3030	36	36	No	6.05	27 13/16	31 5/16	6.65	6.20	31	31	48 13/16
3034	36	40	No	6.82	27 13/16	35 5/16	7.49	7.03	31	35	44 13/16
3040	36	48	Yes	8.37	27 13/16	43 5/16	9.19	8.69	31	43	36 13/16
3046	36	54	Yes	9.52	27 13/16	49 5/16	10.47	9.93	31	49	30 13/16
3050	36	60	No	10.68	27 13/16	55 5/16	11.74	11.18	31	55	24 13/16
3056***	36	66	No	13.57	31 7/8	61 5/16	13.57	12.34	30 13/16	61	18 13/16
3060***	36	72	No	14.90	31 7/8	67 5/16	14.90	13.58	30 13/16	67	12 13/16

#### Notes:

Floor to sill height is based on structural header heights of 6' 10-1/2" and is calculated from the top of the subfloor to the top of the inside sill stop.

The clear opening width is calculated with sash open 90 degrees.

If egress hardware is used, add 1-15/32" to clear opening width.

\*\*A sash limiting device is standard on 2856 casement units. This unit is not tested or certified to any performance ratings.

\*\*\*A piano hinge and sash limiting device is standard on 2860, 3056 and 3060 casements. These units are not certified or tested to any performance ratings.

Egress Requirements: 5.7 sq. ft. minimum clear opening area, 20" minimum clear opening width, 24" minimum clear opening height, 44" maximum floor to sill height.

Code restrictions may vary depending on your local building codes.

Units with sash limit device do not meet egress.

Data with Egress hardware.

If glass is positioned within 18" of the floor, safety/tempered glass may be required by code.

Eagle Window & Door reserves the right to change specifications without notice.

Rev. 06/07

# Eagle Window & Door

Eagle Axiom® Casement

2050 Tested Size at DP 40

Series 02 Axiom Clad Casement Vent

Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	Energy Star Zone
High-Performance™ Low-E4® 2.2mm / 11.5mm / 2.2mm	No Between-glass Grilles or MDL	0.35	0.30	0.49	56	2
	7/8" CDL	0.35	0.27	0.44	56	2
	1-1/8" & 1-1/2" CDL	0.35	0.25	0.39	56	2
	5/8" Between-glass Grilles	0.36	0.27	0.44	56	8
	1" Between-glass Grilles	0.36	0.27	0.44	56	8
	5/8" MDL	0.36	0.27	0.44	56	8
	7/8" MDL	0.36	0.27	0.44	56	8
	1-1/2" MDL	0.38	0.25	0.39	56	8
	1-1/8" MDL	0.36	0.25	0.39	56	8
High-Performance™ Low-E4® High Altitude 2.2mm / 11.5mm / 2.2mm	No Between-glass Grilles or MDL	0.39	0.30	0.49	52	8
	7/8" CDL	0.39	0.28	0.44	52	8
	1-1/8" & 1-1/2" CDL	0.40	0.25	0.39	52	8
	5/8" Between-glass Grilles	0.39	0.28	0.44	52	8
	1" Between-glass Grilles	0.39	0.28	0.44	52	8
	5/8" MDL	0.39	0.28	0.44	52	8
	7/8" MDL	0.39	0.28	0.44	52	8
	1-1/2" MDL	0.40	0.25	0.39	52	8
	1-1/8" MDL	0.39	0.25	0.39	52	8
High-Performance™ Low-E4® Gray Tint 3.1mm / 11.5mm / 3.0mm	No Between-glass Grilles or MDL	0.35	0.27	0.33	56	2
	7/8" CDL	0.35	0.25	0.30	56	2
	1-1/8" & 1-1/2" CDL	0.35	0.23	0.27	56	2
	5/8" Between-glass Grilles	0.36	0.25	0.30	56	8
	1" Between-glass Grilles	0.36	0.25	0.30	56	8
	5/8" MDL	0.36	0.25	0.30	56	8
	7/8" MDL	0.36	0.25	0.30	56	8
	1-1/2" MDL	0.38	0.23	0.27	56	8
	1-1/8" MDL	0.36	0.23	0.27	56	8
High-Performance™ Low-E4® Gray Tint High Altitude 3.1mm / 11.5mm / 3.0mm	No Between-glass Grilles or MDL	0.39	0.27	0.33	52	8
	7/8" CDL	0.39	0.25	0.30	52	8
	1-1/8" & 1-1/2" CDL	0.39	0.23	0.27	52	8
	5/8" Between-glass Grilles	0.39	0.25	0.30	52	8
	1" Between-glass Grilles	0.39	0.25	0.30	52	8
	5/8" MDL	0.39	0.25	0.30	52	8
	7/8" MDL	0.39	0.25	0.30	52	8
	1-1/2" MDL	0.40	0.23	0.27	52	8
	1-1/8" MDL	0.39	0.23	0.27	52	8
High-Performance™ Low-E4® Bronze Tint 3.1mm / 11.5mm / 3.0mm	No Between-glass Grilles or MDL	0.35	0.28	0.36	56	2
	7/8" CDL	0.35	0.26	0.32	56	2
	1-1/8" & 1-1/2" CDL	0.35	0.24	0.29	56	2
	5/8" Between-glass Grilles	0.36	0.26	0.32	56	8
	1" Between-glass Grilles	0.36	0.26	0.32	56	8
	5/8" MDL	0.36	0.26	0.32	56	8
	7/8" MDL	0.36	0.26	0.32	56	8
	1-1/2" MDL	0.38	0.24	0.29	56	8
	1-1/8" MDL	0.36	0.24	0.29	56	8
High-Performance™ Low-E4® Bronze Tint High Altitude 3.1mm / 11.5mm / 3.0mm	No Between-glass Grilles or MDL	0.39	0.28	0.36	52	8
	7/8" CDL	0.39	0.26	0.32	52	8
	1-1/8" & 1-1/2" CDL	0.39	0.24	0.29	52	8
	5/8" Between-glass Grilles	0.39	0.26	0.32	52	8
	1" Between-glass Grilles	0.39	0.26	0.32	52	8
	5/8" MDL	0.39	0.26	0.32	52	8
	7/8" MDL	0.39	0.26	0.32	52	8
	1-1/2" MDL	0.40	0.24	0.29	52	8
	1-1/8" MDL	0.39	0.24	0.29	52	8

# Eagle Window & Door

Eagle Axiom® Casement

2050 Tested Size at DP 40

Series 02 Axiom Clad Casement Vent

Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	Energy Star Zone
Low-E 240 3.0mm / 11.5mm / 3.1mm	No Between-glass Grilles or MDL	0.36	0.19	0.27	55	8
	7/8" CDL	0.36	0.17	0.24	55	8
	1-1/8" & 1-1/2" CDL	0.36	0.16	0.22	55	8
	5/8" Between-glass Grilles	0.36	0.17	0.24	55	8
	1" Between-glass Grilles	0.36	0.17	0.24	55	8
	5/8" MDL	0.36	0.17	0.24	55	8
	7/8" MDL	0.36	0.17	0.24	55	8
	1-1/2" MDL	0.37	0.16	0.22	55	8
	1-1/8" MDL	0.36	0.16	0.22	55	8
Low-E 240 High Altitude 3.0mm / 11.5mm / 3.1mm	No Between-glass Grilles or MDL	0.39	0.19	0.27	52	8
	7/8" CDL	0.39	0.18	0.24	52	8
	1-1/8" & 1-1/2" CDL	0.39	0.16	0.22	52	8
	5/8" Between-glass Grilles	0.39	0.18	0.24	52	8
	1" Between-glass Grilles	0.39	0.18	0.24	52	8
	5/8" MDL	0.39	0.18	0.24	52	8
	7/8" MDL	0.39	0.18	0.24	52	8
	1-1/2" MDL	0.40	0.16	0.22	52	8
	1-1/8" MDL	0.40	0.16	0.22	52	8
Low-E 366 2.2mm / 11.5mm / 2.2mm	No Between-glass Grilles or MDL	0.35	0.20	0.44	56	2
	7/8" CDL	0.35	0.19	0.39	56	2
	1-1/8" & 1-1/2" CDL	0.35	0.17	0.35	56	2
	5/8" Between-glass Grilles	0.35	0.19	0.39	56	2
	1" Between-glass Grilles	0.35	0.19	0.39	56	2
	5/8" MDL	0.35	0.19	0.39	56	2
	7/8" MDL	0.35	0.19	0.39	56	2
	1-1/2" MDL	0.37	0.17	0.35	56	8
	1-1/8" MDL	0.36	0.17	0.35	56	8
Low-E 366 High Altitude 2.2mm / 11.5mm / 2.2mm	No Between-glass Grilles or MDL	0.38	0.21	0.44	53	8
	7/8" CDL	0.38	0.19	0.39	53	8
	1-1/8" & 1-1/2" CDL	0.38	0.17	0.35	53	8
	5/8" Between-glass Grilles	0.39	0.19	0.39	53	8
	1" Between-glass Grilles	0.39	0.19	0.39	53	8
	5/8" MDL	0.39	0.19	0.39	53	8
	7/8" MDL	0.39	0.19	0.39	53	8
	1-1/2" MDL	0.40	0.17	0.35	53	8
	1-1/8" MDL	0.39	0.17	0.35	53	8

U-Factor - Rate of Heat Loss = 1/R  
 SHGC - Solar Heat Gain Coefficient  
 VLT- Visible Light Transmittance  
 CR - Condensation Resistance

4.08