CSW300 *(LC4000)*

All-Wood • Crank-Out Casement • Full Jamb

PRODUCT SPECIFICATIONS

FRAME

- Head, jamb and sill frame parts are of kiln dried ponderosa pine, treated with a water repellant preservative to protect from rot and insects. Also available in sapele.
- Head, jamb and sill joints are tenoned, glued and nailed.
- Frame thickness of 1 5⁄16″ at head, jamb and sill.
- Standard jamb depth: 4 9⁄16″
- Available with optional 3⁄8″ foam wrap for air tight installation.
- A continuous sill (up to 120″) is used on mulled units.

SASH

- Exterior parts are of kiln dried ponderosa pine, treated with a water repellant preservative to protect from rot and insects. Also available in sapele.
- Sash wood parts are of kiln dried ponderosa pine, treated with a water repellant preservative to protect from rot and insects. Also available in sapele.
- Sash wood joints are tenoned, glued and nailed from the interior.
- Silicone glazed from the interior for a positive water tight seal.
- Overall finish sash thickness: 1 5⁄8″. Sash profile dimension is 2″.
- Sash opens full 90 degrees.

EXTERIOR FINISH

- Standard factory primed white in pine (standard) and sapele
- Available in prefinished white in pine (standard) and sapele. Contact Trimline dealer for custom color details.

INTERIOR FINISH

- Standard in unfinished natural wood in specified species (pine (standard) and sapele) which can be painted or stained.
- Available factory primed or prefinished white in pine (standard) and sapele. Contact Trimline dealer for custom color details.

HARDWARE

- A single point or multi-point locking system is utilized and consists of concealed two-bar stainless steel hinges as well as a dual arm operator and zinc alloy cover with folding handle which nests compactly into the cover making it virtually disappear.
- All hardware components are of zinc alloy in matching finish available in: White (Painted), Beige (Painted), Earthtone (Painted), Oil Rubbed Bronze (Plated), Polished Chrome (Plated), Satin Chrome (Plated), Antique Brass (Plated), Polished Brass (Plated) and Satin Nickel (Plated)

WEATHERSTRIPPING

- Standard double weatherstripping system. The frame parts have a full surround foam style weatherstripping. The sash is completely surrounded by Q-lon weatherstripping. Together they seal the sash to the frame providing superior thermal performance.

GLASS

- Standard clear 5⁄8″ thick insulating glass, consisting of “double strength” 1⁄8″ (3 mm) annealed glass, 3⁄8″ air space using the Tremco™ EnerEDGE® warm-edge, dual-seal silicone foam spacer (dark charcoal), hermetically sealed with hot melt butyl.
- Glass also available in these thicknesses: 5⁄32″ (3.9 mm) with 5⁄16″ air space, 3⁄16″ (4.7 mm) with 1⁄4″ air space and 7⁄32″ (5.7 mm) with 3⁄16″ air space.
- Other glazing options include Cardinal® LoĒ^2-270 and with obscure, tempered, laminated, bronze or grey tint. Decorative glass also available. Cardinal® LoĒ^2-270 + LoĒ-i89 is available only in annealed and tempered.

INSECT SCREENS

- Standard full screen of .019″ thick roll formed aluminum mounted in a wooden screen track.
- Standard colors available: White, Bronze, Earthtone, Beige, Black and Hunter Green and meet the physical test requirements of AAMA 2603. Custom colors available.
- Charcoal fiberglass screen cloth (18″ × 16″ mesh) standard; optional screen mesh available in charcoal or aluminum color wire or Better View™ high transparency screening in charcoal fiberglass cloth only.

GRILLES

- Optional faux check rail in a classic putty glazed 1½″ wood profile permanently applied to the exterior of the insulated glass. Double faced tape is used to apply faux check rail to the glass which first is prepared with a saline type glass bonding and coupling agent before faux check rail is applied to help ensure lasting adhesion. A dark anodized bronze shadow bar is included between the glass for an authentic check rail look. Interior wood in pine (standard) and sapele matching the interior wood species.
- Simulated Divided Lites (SDL) in a classic putty glazed ⅝″, ⅞″, 1¼″ or 1½″ wood (optional cPVC) muntin profile permanently applied to exterior of the insulated glass. cPVC exterior grille is not available if the wood species of the window is sapele. Double faced tape is used to apply muntin to the glass which first is prepared with a saline type glass bonding and coupling agent before muntin is applied to help ensure lasting adhesion. An optional between the glass dark anodized bronze shadow bar is available for an authentic true divided lite look. Interior wood in pine (standard) and sapele matching the interior wood species in either permanent or removable style ⅝″ or ⅞″ wide divided lite patterns only. Removable style not available in 1¼″ and 1½″ widths.
- True Divided Lites (TDL): Available in 1⅛″ in pine and sapele. TDL bar has the look of historically accurate true putty glazing.
- Full surround removable wood grilles available in ⅝″ or ⅞″ wide classic double stepped profile matching window interior wood species in pine (standard) and sapele in a wide array of standard or custom divided lite patterns only. Grille frame utilizes a snap-in installation with concealed hardware.
- In-glass aluminum “GBG” (Grille Between the Glass) muntins are available in ⅝″ flat profile or ⅞″ profile profile in all standard exterior cladding color finishes for dust free easy cleaning. Available in either divided lite or diamond patterns.

ACCESSORIES

- Brickmoulds available in over a dozen different profiles.
- Optional 1¾″ historic sill in pine (standard), sapele or cPVC.
- A standard zero clearance mullion is used for factory mulling of windows without increasing the combined unit dimension of the windows mulled.
- Interior wooden mullion covers in pine (standard) and sapele are provided loose.
- 11⁄16″ interior wooden jamb extension in pine are factory applied to the perimeter of the window and are available in custom sizes to provide an overall jamb depth up to 9″.

THERMAL PERFORMANCE

		Cardinal® Clear	Cardinal® LoĒ²-270	Cardinal® LoĒ²-270 + LoĒ-i89 + Removable Energy Panel
No Grids	U-Factor	0.44	0.28	0.25
	R-Value	2.3	3.6	4.0
	Solar Heat Gain Coefficient	0.55	0.25	0.24
	Visible Transmittance	0.57	0.46	0.42
<1″ Grids	U-Factor	0.45	0.29	0.26
	R-Value	2.2	3.4	3.8
	Solar Heat Gain Coefficient	0.50	0.23	0.22
	Visible Transmittance	0.51	0.41	0.38
True Divided Lite Grids	U-Factor	0.46	0.32	0.30
	R-Value	2.17	3.13	3.33
	Solar Heat Gain Coefficient	0.45	0.21	0.20
	Visible Transmittance	0.46	0.37	0.34
Condensation Resistance Factor		43	58	46

STRUCTURAL PERFORMANCE

- Test speciman: 32.00″ × 60.00″ (813 mm × 1524 mm)
- Air infiltration: 0.03 cfm/ft²
- Performance-Class Grade: CW-50