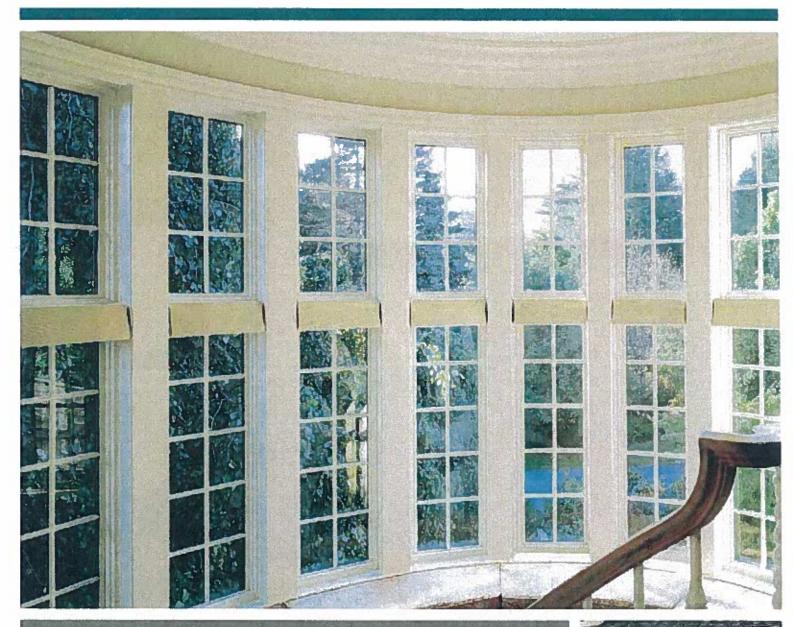
THE PERFECT BALANCE OF LUXURY AND PRACTICALITY



This catalog includes comprehensive information about features and specifications. For effective estimating, please use IELD-WEN® Quick Quote® software, which lets you compare different design options in a single click, and provides specifications that are itemized and costed out for every order. To obtain installation and maintenance instructions, visit www.jeld-wen.com/resources.



RELIABILITY for real life®



There are luxuries in life that aren't tied to money. At JELD-WEN, we understand this idea, which is why we craft reliable Premium Wood windows and patio doors. Each one is designed to enhance homes with exceptional beauty and energy efficiency at a great value. These windows and patio doors also provide dependable performance time and time again. They're simply worry-free, which, of course, is the best luxury of all.

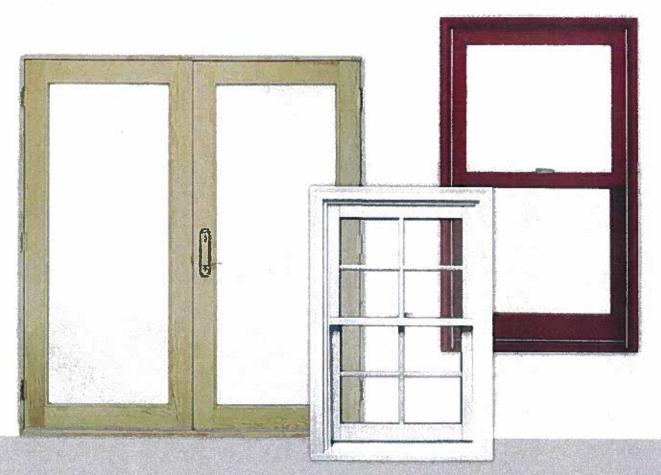


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PIECES OF RELIABILITY



Clad-wood exteriors

Select our clad-wood windows and patio doors for steadfast protection from the elements. They feature durable metal cladding, so they're appropriate for almost every climate and require minimal maintenance. In addition to delivering enhanced performance, clad-wood exteriors offer plenty of design flexibility. They're available in a range of clad color finishes to complement your home.

AuraLast® wood

All Premium Wood Tradition Plus windows and patio doors feature solid pine AuraLast wood construction for superior protection from wood decay, water saturation and termites. The process of creating AuraLast wood has environmentally friendly aspects—it produces 96% fewer VOCs than solvent-based dip-treated processes used by other manufacturers. What's more, AuraLast is supported by our exclusive 20-year limited warranty.

AuraLast
THE WORKFREE WOOD

AuraLast wood

AuraLast wood (shown in green) provides virtually 100% penetration of the protective ingredients—from the surface to the core. This means nail and screw holes or other installation methods cannot compromise the integrity of

In contrast, other manufacturers use dip-treated wood (shown in red), which is protected on the surface only. This means the treatment's effectiveness will be compromised when the surface is broken during installation.

Dip-treated wood

Note: Colors are used for illustration purposes only: Auralias I wood has a clear pine color.



AuraLast wood.

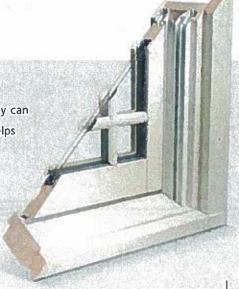
We offer the industry's only 20-year warranty* against wood decay and termites.

Primed wood exteriors

With primed wood exteriors, you gain greater design freedom, because they can be painted any color you want. They feature factory-applied primer, which helps paint adhere to the wood. What's more, AuraLast wood significantly reduces the amount wood swells and contracts, so less maintenance is required.

Natural wood exteriors

Enjoy the natural beauty of wood with solid pine AuraLast wood now available as an exterior option. This option keeps in step with today's trend of using a stained or clear lacquer finish on window exteriors.



BEAUTIFUL DETAILS

Divided lites

Add architectural interest with one of our divided lite options, which include simulated divided lites (SDL) for an authentic look; full-surround (FS) and KD removable wood grilles that can be removed for easy cleaning, and maintenance-free grilles between the glass (GBG).

Simulated divided lites (SDL)

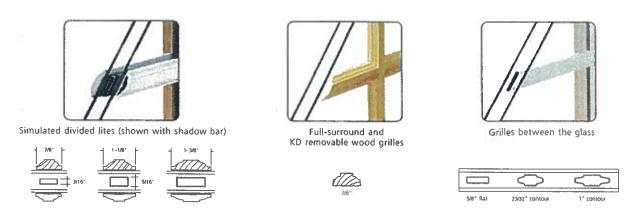
Extruded aluminum grilles permanently applied to the exterior glass, with removable full-surround or permanently applied clear wood grilles on the interior glass. The permanently applied option is available with or without a shadow bar placed between the panes of insulating glass. We offer grilles in 7/8", 1-1/8" and 1-3/8" widths, as well as a 2-1/8" checkrail.

Full-surround (FS) and KD removable wood grilles

Wood grilles that fit securely on the interior glass (removable grilles snap out for easy cleaning). FS grilles are available in 7/8", 1-1/8" and 1-3/8" widths. KD removable grilles come in 7/8", 1-1/8" and 1-3/8" widths.

Grilles between the glass (GBG)

Flat or contour bars placed between the panes of insulating glass. They're available with 5/8" flat or 23/32" and 1" contour grilles. We also offer two-tone grilles—choose Brilliant White with French Vanilla, Desert Sand, Mesa Red, Hartford Green, Black, Arctic Silver or Dark Chocolate.



Cladding

The cladding we use features a baked-on finish that does not need to be repainted over time and requires minimal maintenance. Our cladding also allows you to accentuate your home's visual appeal, because we provide a range of beautiful cladding colors. The available colors are shown here*.



^{*}Colors shown may not match our clad colors exactly.

^{**}Not available on horizontal sliding windows, Hallmark Hinged swinging patio doors or traditional sliding patio doors.



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Praire style lites	



PRODUCT SPECIFICATIONS

EXTERIOR FINISH

All exterior surfaces completely covered with factory-applied latex primer.

AURALAST® WOOD

AuraLast wood is fundamentally different from wood resulting from traditional millwork preservation processes in that it uses a proprietary vacuum/pressure process to provide protection throughout the wood parts used to make windows and doors. AuraLast wood is distinguished from wood using the current preservation methods by its unique ability to achieve greater penetration of the active ingredients into the wood parts, with a penetration of the treatment being a minimum of 92%.

INTERIOR FINISH

All interior surfaces are unfinished clear pine ready for paint, stain or natural finish. Primed and pre-painted white interiors are available.

FRAME

Frame is assembled from select kiln dried pine using AuraLast ™ wood on all exterior parts. Exterior is factory primed. The basic jamb width is 4-9/16" with clear pine interior. Extension jambs are available for most wall thicknesses. Frame features machine clamped assembly, which insures accurate squaring of unit, and frame corners are tightly secured with metal fasteners. Weather-stripping and hardware are applied.

SASH

The sash is 1-1/4" select kiln-dried pine using AuraLast™ wood. The exterior is factory primed. Wood stiles and rails are joined with mortise and tenon corners and secured with metal fasteners. Top and bottom sash tilt for easy cleaning and removal.

GLAZING

5/8" thick sealed insulating glass is constructed from two panes of glass utilizing a continuous roll formed stainless steel spacer with dual seal sealant. The glass is mounted into the sash using a silicone-glazing compound and secured with interior applied profiled wood stops. All insulating glass units comply with the performance requirements of IGCC in accordance with either ASTM E774 or E2190.

GLAZING OPTIONS

5/8" insulating glass available in Low-E with Argon, Low-E 366, Clear, Neat Glass, tinted, or obscure, tempered or other specialty glass as specified. Optional Preserve® film is a 0.003" thick polyethylene film with a low tack acrylic adhesive applied to the glass for protection during shipping and installation.

WEATHER-STRIPPING

TPE flexible bulb at the top rail and checkrail along with a foam-filled bulb on the bottom rail. Extruded white vinyl flex hinge jamb liners come with checkrail pads and a tilt assist device.

HARDWARE

Die-cast triple action cam lock(s). Units 32" and wider have two cam locks. Sash lock colors include: Bright Brass, Desert Sand, Chestnut Bronze and White. Units feature a dual flocked helical steel spring balance system with an adjustable clutch.

EXTERIOR INSECT SCREENS

Charcoal fiberglass screen cloth (18x16 mesh) set in an aluminum frame (.019ga) with nylon corner keys. Screens are mounted with leaf springs. Insect screens are intended to allow air and light in and to keep insects out. They are not intended to keep anyone or anything from falling through an open window. For safety screens or other security devices contact your local building supply retailer.

GRILLES

SDL (Simulated Divided Lites) – extruded aluminum prime colored muntins permanently applied to the exterior of the insulating glass unit (not available on textured glass) in 7/8" (22mm), 1-1/8" (28.5mm), or 1-3/8" (34.9mm) widths. SDL may be ordered with a silver shadow bar or without a shadow bar. Clear wood interior muntin bars match the exterior muntin width and are permanently bonded to the interior of the glass. Also available is a 2-1/8" SDL bar, which simulates a double-hung checkrail.

Full Surround Wood Grilles - Rectangular pattern, unfinished clear pine wood grilles in 7/8" (22mm), 1-1/8" (28.5mm), and 1-3/8" (34.9mm) are available in patterns selected by the owner.

GBG (Grilles between the Glass) - 5/8" (15.9mm) flat and 23/32" or 1" contour mounted between the glass panes suspended within the air cavity.

EXTERIOR TRIMS

1-7/32" x 2" Celluar Foam PVC brickmould with 1-5/16" x 1" subsill is standard. Flat casing is available as 1-1/16" x 3-1/2" and Williamsburg is available as 1-7/32" and 3-1/2".

EXTENSION JAMBS

Extension jambs using 9/16" thick select kiln dried pine are factory applied to the interior on all four sides of the frame in wall depths up to 9-1/4" in one piece and up to 10-9/16" in two pieces.

INSTALLATION

Installation per JELD-WEN Installation Method for Wood Windows Jil003 or Jil012. See www.jeld-wen.com/resources for instructions.

PERFORMANCE

NFRC Certified - (Rated and labeled in accordance with NFRC)



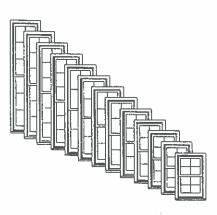
QUICK SPEC GUIDE

SPECIFICATION	STANDARD FEATURES	OPTIONAL FEATURES Some options may require additional lead times. Consult your JELD-WEN Sales Representative.
EXTERIOR FINISH	Primed	consult your size were saids hepresentative.
INTERIOR FINISH	Natural	Primed or Painted White Finish
SIZE	 Width: Double-Hung: 21-3/8, 25-3/8, 29-3/8, 33-3/8, 37-3/8, 41-3/8, 45-3/8 Fixed: Same as DH & 17-3/8, 49-3/8, 53-3/8, 61-3/8, 73-3/8 Height: Double-Hung: 36, 40, 48, 52, 56, 60, 64, 68**, 72, 76, 80, 88 Fixed: 48, 52, 56, 60, 64, 68, 72, 76, 80 	 Any Width: 17-3/8 to 45-3/8 in 1/8" increments Any Width: 17-3/8 to 73-3/8 in 1/8" increments Any Height: 32 to 92 in 1/8" increments Any Height: 14 to 88 in 1/8" increments
	**Available in standard or cottage sash	Any rieight. 14 to 00 in 1/0 increments
GLAZING	 Low-E Insulating Glass Preserve[®] Protective Film 	Clear Discure Low-E 366 Neat Glass Tints: Bronze, Gray, Green Reflective Tints: Bronze, Gray Tempered High Altitude
HARDWARE	Cam Lock 2 Locks 3-0 and wider	Sash Handle No Finger Pull
HARDWARE COLOR	Chestnut Bronze White Desert Sand	Bright Brass
SCREENS	Fiberglass	Aluminum Mesh
SCREEN FRAME COLOR	White	Other Clad Colors
GRILLES		 7/8", 1-1/8" and 1-3/8" Removable Interior Grilles 7/8", 1-1/8" and 1-3/8" Removable Full Surround 7/8" Removable Interior Vinyl Grille 5/8" Flat; 23/32" and 1" Profiled GBG 7/8", 1-1/8", 1-3/8" and 2-1/8" SDL options: 7/8", 1-1/8", 1-3/8" SDL with Removable Interior Full Surround Wood Grille 7/8", 1-1/8", 1-3/8" SDL with Permanently Applied Interior Wood Grille 7/8", 1-1/8", 1-3/8" SDL with Permanently Applied Interior Wood Grille & Silver Shadow Bar 2-1/8" Simulated Checkrail
EXTERIOR TRIMS	Brickmould	Williamsburg Brickmould 4" Flat Casing No Brickmould
AMB	• 4-9/16"	Minimum: 4-9/16" Maximum: 9-1/4" one piece Maximum: 10-9/16" two piece

Tradition Plus Primed Wood Double-Hung Windows

Premium Wood

GENERAL INFORMATION DOUBLE-HUNG



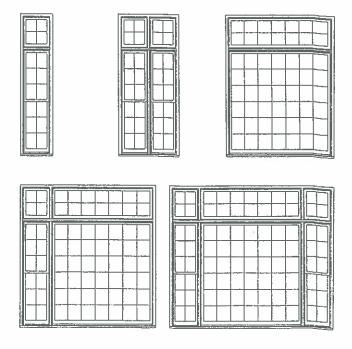
DIMENSIONAL WINDOWS

Wood double-hung windows may be specified as "dimensional" by adjusting the desired rough opening width or height in 1/4" increments from standard,

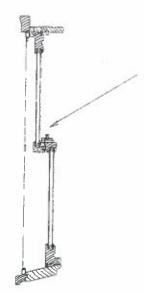
Wood double-hung windows feature fully operating upper and lower sash. Counterbalancing is achieved with block and tackle spring extension systems hidden in weatherable PVC jambliners. Operating units are supplied with cam-type sash locks installed. Die-cast lower sash lifts supplied for field installation are an option. Recessed sash retainers provide simple sash installation and removal. There are several hardware finish options. Refer to the Specifications for available finish options.

MULTIPLE ASSEMBLIES

Wood double-hung windows may be mulled beside other wood double-hungs or wood picture windows, or below wood transom windows, to fulfill a wide variety of needs. Factory assembled mulls are limited in height (100"), width (114"), and a total area (75 square feet).



HANDING & OPERATION



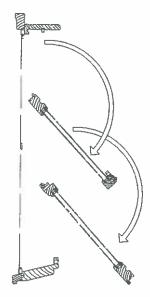
DOUBLE-HUNG OPERATION:

When the sash are locked at the check ra is the sash are closed and sealed in the sash opening of the frame.

When the sash are unlocked the lower sash travels vertically to any position desired. The upper sash can also be positioned as desired.



The Custom Double-Hung window will allow the sash to be tilted or removed for easy cleaning.

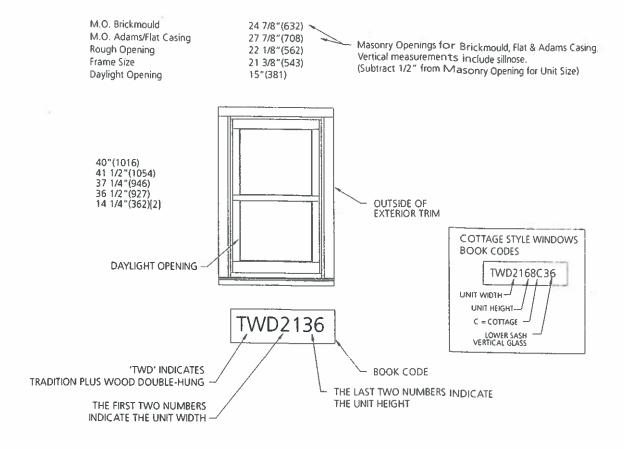


Tradition Plus Primed Wood Double-Hung Windows

Premium Wood

ELEVATION NOTES DOUBLE-HUNG

ELEVATION DRAWINGS UTILIZE A LIMITED NUMBER OF PROJECTED LINES TO PRODUCE A RUDIM ENTARY DRAWING INTENDED TO BE USED IN A SMALL GRAPHICAL SCALE. ELEVATIONS ARE VIEWED PERPENDICULAR FROM THE EXTERIOR OF THE STRUCTURE. IF MORE DIMENSIONS ARE NEEDED, USE THE SECTION DRAWINGS FOR MORE COMPLETE DEPICTIONS.



GENERAL WOOD DOUBLE-HUNG NOTES

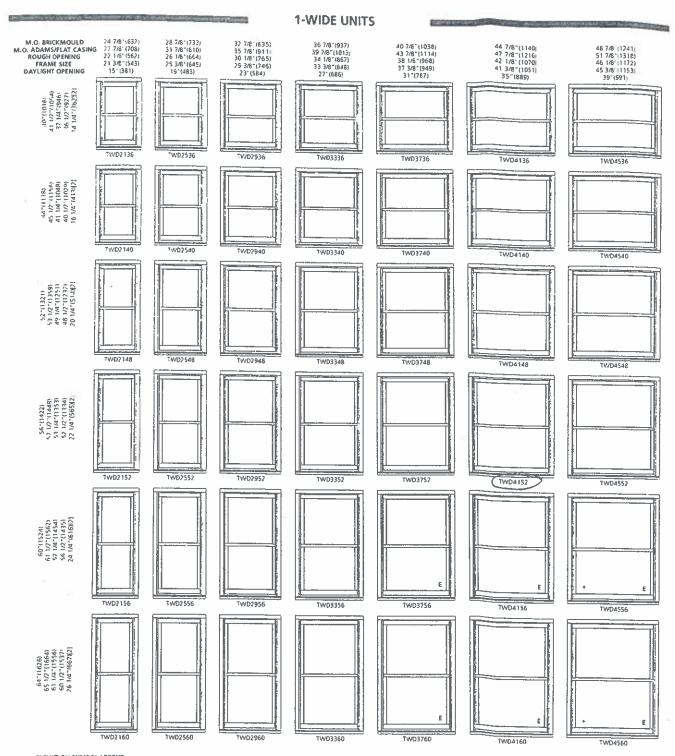
- 1. ALL UNITS SHOWN ARE AVAILABLE AS OPERATORS ONLY.
- 2. UNIT ELEVATIONS ARE SHOWN WITH BRICKMOULD & SILL NOSE
- ALL OPERATING SASH ARE INSTALLED WITH VINYL JAMB LINERS AND OPERATED WITH AN INTERNAL BLOCK AND TACKLE SPRING SYSTEM.
- DIMENSIONAL VALUES IN PARENTHESES ARE MILLIMETER CONVERSIONS.
- 5. VALUES IN BRACKETS ARE NUMBER OF DAYLIGHT OPENINGS,

ELEVATION SYMBOL LEGEND:

MO MASONRY OPENING

WINDOWS & DOORS

Tradition Plus Primed Wood Double-Hung Windows Premium Wood



ELEVATION SYMBOL LEGEND:
M.O = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS

VALUES IN () ARE HIS MILLIMELLER CONVERTIONS.

VALUES IN () ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

** TEMPERED. THETED AND OBSCURE CLASS OPTIONS ARE NOT AVAILABLE WHEN COMBINED WITH SDL OPTION

E BASIC UNIT CLEAR OPENING EXCEEDS 20" IN WIDTH, 24" IN HEIGHT & A MINIMUM OF 5 7 SQ. FT

Note Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

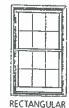


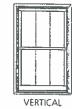
LITE CUT INFORMATION

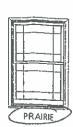
Wood double-hung windows are available with removable grilles in 7/8", 1-1/8" and 1-3/8" widths, grilles between glass (GBG), and Simulated Divided Lites. Standard lite cuts are rectangular.

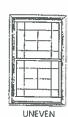
LITE CUT OPTIONS

Special lite cut patterns can include a wide variety of straight line and radius patterns. The illustrations shown here represent just a few of the possibilities. Rectangular, horizontal, vertical and Prairie lite patterns are available in all standard size wood double-hung windows. Uneven, diamons radius and Gothic lite cuts are available, subject to approval. Approvals are based on the ability to fulfill the design requirement while maintaining the construction integrity of the finished product.

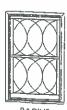








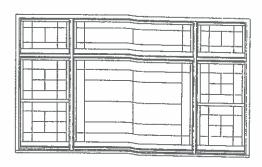




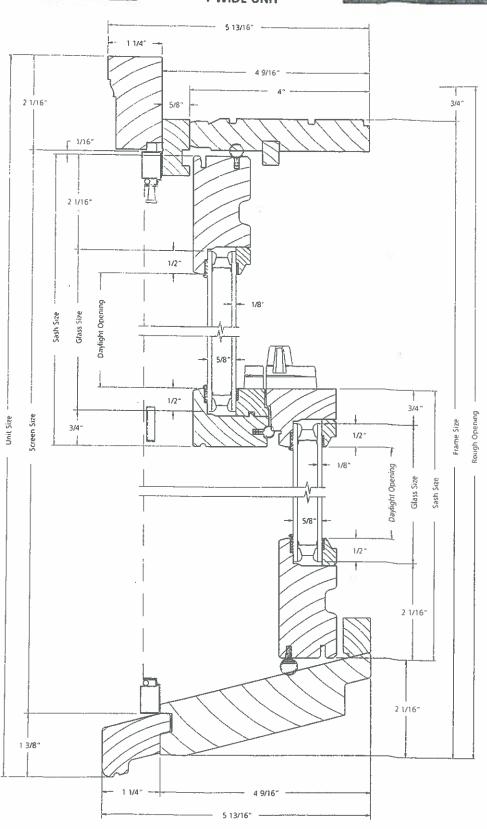


BAR ALIGNMENT

Alignment of divided lite muntin bars from one window to the next is often required by fine architectural design. Wood grilles, GBG (Grilles between the Glass), and Simulated Divided Lites may be specified with muntin bars aligned.



1-WIDE UNIT



VERTICAL SECTION