



**TIMBER CURTAIN WALL**

*Loewen*



# TIMBER CURTAIN WALL

Advanced European engineering meets modernized design with one of our most recent innovations.

Our Timber Curtain Wall system offers new design possibilities for the architectural community. These impressive contemporary vistas offer slim sight lines and large glass, all without sacrificing performance. The expansive views of our Timber Curtain Wall ultimately work to expand the home, let in more daylight, and enable customers to feel at one with nature.





# STUNNING PANORAMIC VISTAS

Loewen has partnered with RAICO Bautechnik GmbH out of Germany to manufacture and distribute a timber curtain wall system specifically for the premium residential and light commercial markets. Our timber frame curtain wall combines the interior warmth of wood with steadfast performance and beautiful expansive views.

Loewen Timber Curtain wall is a superior system in terms of fit, finish and aesthetics. Designed for maximum flexibility in design, TCW allows for configurations of operating doors and windows, and can be designed for load bearing applications, if required.

Loewen timber curtain walls are aesthetically designed with glue-laminated timber beams. Laminations are used for strength and resistance to warping and twisting. All joints are clean and finished, due to hidden connectors, with zero blemishes and knot holes.





# FEATURES

**ROBUST SIZES AND CONFIGURATIONS**

The system can reach heights of up to 22 feet and widths that are infinitely wide, limited only by the structurally supported opening in the building. Corners can be configured for segmented curves, to accommodate structural members, or to incorporate butt-installed glass features.

**STRUCTURALLY  
SELF-SUFFICIENT**

Designed to withstand heavy winds, the Loewen Timber Curtain Wall is a custom-engineered system capable of structurally sustaining itself under load.

**ROBUST TIMBER CONSTRUCTION**

Laminated timbers are the default option, allowing for long lengths of high-quality Douglas Fir or other wood species. A skinned timber option is also available, showcasing VG Douglas Fir, Rift Sawn White Oak, or other species-specific features. Loewen’s fit and finish is demonstrated in the timber construction, which minimizes defects, gaps, and other unsightly assembly methods. Timber sizes can be modified to align with inserted products, reinforce the curtain wall in high winds, or meet aesthetic goals, making the system fully customizable.

**STREAK-FREE DRAINAGE SYSTEM**

Exterior beauty caps discreetly redirect water to vertical members and out the bottom of the system. This reduces water streaking on glass and minimizes the need for frequent cleaning.

**READY FOR INSTALL**

All components are cut to fit, labeled, and prepped for stress-free installation. Sealed units are included as part of the package, creating a unified product offering and allowing Loewen to provide NFRC thermal ratings.

**ACCEPTS LOEWEN PRODUCTS AS  
INSERTS**

Most standard Loewen products can be easily integrated into the Timber Curtain Wall system. LiftSlide and Pivot Door products can use the existing timbers as their frame, and the system can also accommodate low-voltage wiring for automation, keyless entry, and switchable glass.

**ROBUST SUPPORT TEAM**

Loewen’s Architectural Service team is available to provide design support for any project. In addition, Loewen’s installation program equips dealers with the training needed to install the Timber Curtain Wall system with confidence.

**SYSTEM HEIGHT**

Up to 22’ (longer lengths up to 30’ subject to review)

**SYSTEM WIDTH**

Unlimited

**MAX LITE AREA**

Varies by glass specification (lite thickness, annealed or tempered, etc.)

**TIMBER DEPTH**

Assigned based on geography and wind-load, typically 4” to 12”







### Factory Assembled

Loewen Timber Curtain Walls are factory-assembled and hand-prepped for improved quality control and ease of installation.

Timber connectors, gaskets, and glass carriers are pre-applied rather than shipped in bulk. Units are predrilled, marked, and labeled before shipping.

Each timber curtain wall unit is shipped knocked-down to the site, ensuring accurate and easy field assembly and glazing. Pre-assembly at our facility means most of the on-site labor, including cutting, dry-fitting, and applying connectors is reduced or eliminated.





# INSTALLATION

The Loewen Timber Curtain Wall system has gained popularity for its stunning appearance, but also for the intuitive way it comes together onsite. Installers across the US and Canada have given our curtain wall their stamp of approval.

1. When onsite, after inspecting the rough opening, the installation typically starts at one end of the timber curtain wall with the installation of the first vertical mullion. If there's a corner in the assembly, installation would start at the corner.
2. The transom is used to space out the next mullion. Once the second mullion is fastened, the transom can be installed permanently.
3. At this point, the factory-installed gaskets are permanently sealed.
4. The rest of the curtain wall assembly comes together in this same fashion.
5. Once the timbers are in, the sealed units are seated using temporary pressure plates.
6. Once a section is done, the full-length permanent pressure plates are installed. First the vertical plates, then the horizontal plates.
7. Finally, the vertical exterior covers are applied before the horizontal covers.



John Wingfelder Architect | Heartland Homes | Kim Smith Photography

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The Loewen logo, featuring the word "Loewen" in a white, elegant script font, set against a solid red rectangular background.

**LOEWEN.COM**