Technical Guide N

Timber Curtain Wall
Loewen is known as the leader and innovator in contemporary fenestration products and we’re pleased to introduce a new pinnacle—the Loewen Timber Curtain Wall system. This new product offering embodies the spirit of contemporary architecture with capabilities to provide expansive glass assemblies, minimal profiles, increased viewing area, and cleaner sightlines—all without sacrificing performance.

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.

Custom Features Integrated Seamlessly

Custom units are created for every project from your architectural specifications. All units are factory prepped, predrilled, marked and labeled before disassembly, to ensure accurate and easy field assembly and glazing.
**FEATURES**

2" (50 mm) wide Curtain Wall System

- Thermally broken, engineered system with all-wood interior

- Configurations include vertical walls, rakeheads, corners and integrated operable units (Casements, Awnings, Terrace and French Doors, and Sliding Doors)

- Monolithic, dual, and triple-glazed options in a variety of LowE coatings that align with other Loewen products

- Exterior covers in extruded aluminum, Douglas Fir, or Honduran Mahogany

- Factory prepped and configured mullion system for optimal quality and installation

**SIZING**

- **System Height**: Up to 20' in a continuous, single span (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**: Varies based on wind load/structural criteria, typically 3" to 9"

- **System Thickness**: 2" (50 mm) exterior, 2-1/8" (54 mm) interior

**Glass & Glazing**

- A wide variety of glazing options available including triple glazed.

- LowE Double, LowE Triple.

- Exterior Simulated Divided Lites options available in Putty, Ogee and Square.

- Interior SDL and stops options include Ogee, Square and Putty.
Timber Curtain Wall
Detail

Plan View

Corner - Mitered Post

Contemporary Frame Cladding

Interior Trim/Moulding options applied on site

Corner - Butt Glazed

Contemporary Frame Cladding

Interior Trim/Moulding options applied on site

Contemporary Frame Cladding

Interior Trim/Moulding options applied on site
Timber Curtain Wall Corner Detail

Plan View

- Outside Dimension 46" [1168mm]
- Outside Dimension 111 3/8" [2829mm]
- Outside Dimension 42 11/16" [1084mm]

- R.O. 132 1/2" [3365mm]
- F.S. 132" [3353mm]
- CL to Edge 40 1/2" [1029mm]
- CL to Corner Metal 41 5/8" [1057mm]

- Insert 32" [813mm]
- Insert 92 1/16" [2338mm]
- Corner Metal TO CL

- CL to CL 34 7/8" [887mm]
- Glass 33 7/8" [861mm]
- Glass 39 3/8" [999mm]

- CL to CL 40 3/8" [1025mm]
- Glass 128 7/8" [3273mm]

- F.S. Timber 42 1/2" [1079mm]

- Aluminum Clad Exterior
- Wood Exterior