Technical Guide K

Bifold Doors
**Product Features**

**Standard Features**
- Natural Douglas Fir interior (no visible finger joints)
- 6 9/16" [166 mm] jamb construction
- Multi-point locking hardware and easy operating flush bolts
- Concealed intermediate guide and sill drainage system
- Extruded aluminum cladding in a variety of standard colors, primed wood or clear Fir exterior
- Flexible weatherstrip system

**Hardware**
Multiple hardware type and finish choices are available. See the Hardware in section A for more information.

**Glazing**
LowE Double, LowE Triple.

**Simulated Divided Lites (SDL)**
- Ogee Profile — 3/4" (19 mm), 1 1/8" (30 mm), 2" (51 mm)
- Putty Profile — 5/8" (16 mm), 7/8" (22 mm), 1 1/8" (30 mm), 2" (51 mm)

**Casing**
- Wood: 2" (51 mm) Brickmould, 3 1/2" (89 mm) Flat, 5 1/2" (139 mm) Flat, Adams and Williamsburg
- Metal Clad: 2" (51 mm) Brickmould, 3 1/2" (89 mm) Flat, 2" clad frame extension, Nose & Cove, Adams, Williamsburg and Kerf

**Metal Clad Color Spectrum**
All Palette colors, including anodized finishes.

**Specifications**

**Standards**
Most individual units have been tested by an independent laboratory for air and water infiltration, structural performance and thermal performance requirements.

**Panel & Frame**
Manufactured with Coastal Douglas Fir. Bronze anodized aluminum door sill with bronze vinyl extrusion thermal break. All exterior wood components are factory primed unless specified as clear exterior. Minor scratches or abrasions are not considered defects.

**Alternate Species**
The entire Loewen product line is also available in optional Mahogany.

**Preservative Treated**
All wood parts are dipped in approved preservative.

**Insulating Glass**
Double or triple insulating tempered glass configuration with 1/2" (13 mm) airspace.

**LowE Systems**
LowE best describes the benefits of the product that incorporates glazing coatings and Argon gas. LowE systems help reduce heating and cooling costs, providing superior energy efficiency.

**Simulated Divided Lites (SDL)**
Standard SDL complete with airspace grilles. Grille bars are permanently applied to the interior and exterior.

**Metal Cladding**
Heavy duty exterior metal cladding comprised of extruded aluminum is available in a variety of Palette colors, including anodized. Interior of panels can be natural wood (unfinished) or primed. Metal clad units are supplied ready-to-install complete with integral metal nailing flange.

**Hardware**
Multi-point locking hardware and manual flush bolts are standard. Optional keyed alike locks, concealed locking shoot bolts and low profile handles are available.

**Weatherstrip**
Bottom corners of the door are weatherstripped with a pile dust plug attached to the side jambs. Operating panels will be sealed with a wrapped foam weatherstrip at the head, side jambs and between panels to provide a tight seal.

Visit the Loewen Photo Gallery online at www.loewen.com for a large collection of Loewen product and elevation photography. Numerous custom window configuration opportunities exist – please contact your Authorized Loewen Dealer.

Specifications and technical information are subject to change without notice. Imperial and metric measurements are converted accurately. However, in some cases, Industry standards cause a 1 mm variance. (Example: 3/4" is shown as 19 mm for all glass measurements.)

**Bifold Doors**
Visit www.loewen.com/architect | Installation Instructions: www.loewen.com
Bifold Door Detail

Typical Bifold Configurations

Note: • The preparation of the rough opening for large openings such as those required by, but not limited to, LiftSlide, Bifold and MultiSlide doors have unique requirements. Structural headers that allow for deflection no greater than 1/8” along the unsupported length once the header is fully loaded are required. Special care needs to be taken when installing any unit including transoms above such large opening units. Special care needs to be taken when installing any unit including transoms above such large opening units. Site specifications are the responsibility of building professionals or engineers to determine.

Loewen is not responsible for site measurements or the determination of structural and architectural requirements for the installation of large opening products such as but not limited to, LiftSlide, Bifold and MultiSlide doors. Site specifications are the responsibility of building professionals or engineers to determine.

Typical Bifold Configurations

Note: • The preparation of the rough opening for large openings such as those required by, but not limited to, LiftSlide, Bifold and MultiSlide doors have unique requirements. Structural headers that allow for deflection no greater than 1/8” along the unsupported length once the header is fully loaded are required. Special care needs to be taken when installing any unit including transoms above such large opening units. Site specifications are the responsibility of building professionals or engineers to determine.

Loewen is not responsible for site measurements or the determination of structural and architectural requirements for the installation of large opening products such as but not limited to, LiftSlide, Bifold and MultiSlide doors. Site specifications are the responsibility of building professionals or engineers to determine.
### Sizing Charts Bifold Door

<table>
<thead>
<tr>
<th>R.O.</th>
<th>Frame</th>
<th>Panel</th>
<th>Visible</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Panel Frame</td>
<td>178 9/16&quot;</td>
<td>243 1/2&quot;</td>
<td>318 7/8&quot;</td>
</tr>
<tr>
<td>3 Panel Frame</td>
<td>194 3/4&quot;</td>
<td>265 3/8&quot;</td>
<td>347 5/8&quot;</td>
</tr>
<tr>
<td>4 Panel Frame</td>
<td>225 3/4&quot;</td>
<td>308 7/16&quot;</td>
<td>404 5/16&quot;</td>
</tr>
<tr>
<td>5 Panel Frame</td>
<td>257 11/16&quot;</td>
<td>352 3/16&quot;</td>
<td>461 13/16&quot;</td>
</tr>
</tbody>
</table>

Note: Bifold doors using standard 70 panels will be 1 1/16" (27 mm) higher than standard TD/FD units. If astragal is used for TwinPointlock add 1" to frame width.

---

### 3" Narrow Stile Bifold Door

<table>
<thead>
<tr>
<th>R.O.</th>
<th>Frame</th>
<th>Panel</th>
<th>Visible</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Panel Frame</td>
<td>178 9/16&quot;</td>
<td>243 1/2&quot;</td>
<td>318 7/8&quot;</td>
</tr>
<tr>
<td>3 Panel Frame</td>
<td>194 3/4&quot;</td>
<td>265 3/8&quot;</td>
<td>347 5/8&quot;</td>
</tr>
<tr>
<td>4 Panel Frame</td>
<td>225 3/4&quot;</td>
<td>308 7/16&quot;</td>
<td>404 5/16&quot;</td>
</tr>
<tr>
<td>5 Panel Frame</td>
<td>257 11/16&quot;</td>
<td>352 3/16&quot;</td>
<td>461 13/16&quot;</td>
</tr>
</tbody>
</table>

Note: The preparation of the rough opening for large openings such as those required by, but not limited to, LiftSlide, Bifold and MultiSlide doors have unique requirements. Structural headers that allow for deflection no greater than 1/8" along the unsupported length once the header is fully loaded are required. Special care needs to be taken when installing any unit including transoms above such large opening units.

---

**Table Note:**
- *Note: Bifold doors using standard 70 panels will be 1 1/16" (27 mm) higher than standard TD/FD units. If astragal is used for TwinPointlock add 1" to frame width.*
- *Note: The preparation of the rough opening for large openings such as those required by, but not limited to, LiftSlide, Bifold and MultiSlide doors have unique requirements. Structural headers that allow for deflection no greater than 1/8" along the unsupported length once the header is fully loaded are required.*
- *Note: Care is not responsible for any measurements or the determination of structural and architectural requirements for the installation of large opening products such as but not limited to, LiftSlide, Bifold and MultiSlide doors. Site-specific considerations are the responsibility of building professionals or engineers to determine.*
Note: All dimensions are in 1/16" (2 mm) tolerances. The preparation of the rough opening for large openings as such those required by, but not limited to, LiftSlide, Bifold and MultiSlide doors. Site specifications are the responsibility of building professionals or engineers.

Special care needs to be taken when installing any unit including transoms above such large opening units. Transoms above such large opening units are required by, but not limited to, LiftSlide, Bifold and MultiSlide doors. Site specifications are the responsibility of building professionals or engineers.

Specified are the responsibility of building professionals or engineers.