Product Features

**Styles**
Traditional, Push Out and Mission® options.

**Standard Features**
- Natural, clear Douglas Fir interior (no visible finger joints)
- 4 9/16" (116 mm) jamb construction
- LowE insulated glazing with 1/2" (13 mm) airspace
- Roto gear operator and concealed sash locks
- Extruded aluminum cladding in a variety of standard colors, primed wood or clear fir exterior
- Flexible continuous weatherstrip system
- Insect screens
- Metal handle, cover and locks

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

Glazing
LowE Double, LowE Triple and StormForce™. StormForce is not available on all products.

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)
Square Profile (interior only) — 3/4" (19 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 Kurf.

Metal Clad Color Spectrum
All Palette colors, including anodized finishes. Available in Cyprium Collection.

**Specifications**

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

**Frame & Sash**
Manufactured from Coastal Douglas Fir kiln-dried lumber with frame construction designed for 4 9/16" (116 mm) jamb. All wood exterior components are factory primed unless specified as clear exterior. Minor scratches or abrasions in the wood surface or primer 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.

**Glazing**
With countless glazing configurations and LowE coating options, we ensure that you can choose the perfect blend of protection and comfort.

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

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

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

**Hardware Option**
Operator and sash locks are available in a variety of finishes. See section A.

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

**Hardware**
Standard awning operator detaches at the sash allowing it to open out to 90 degrees for ease of cleaning. The roto gear operator will hold the sash at any position in its operating radius. The sash is supported by concealed heavy-duty hinges. All awning units are supplied with dual sash locks for added security and tighter seal. All steel components are coated for superior corrosion protection.

**Double Weatherstrip**
The combination of a continuous, flexible foam weatherstrip and a flexible automotive type bulb weatherstrip ensures maximum energy efficiency and protection against air and water infiltration.

**Screen**
Screens available in bronze, linen, Tuscany brown, brushed aluminum or black aluminum frame, screened with anti-glare fiberglass cloth. Wood-framed screens and High Transparency mesh available. Optional Retractable Screen and Swinging Screen available. Swinging Screen available on Push Out models only.

**Egress**
Consult local building codes for confirmation of size requirements for your area. Special egress hardware is available for Casement windows, which enables some sizes to meet egress codes, eliminating the need to go to the next larger size window. Consult your Authorized Loewen Dealer for more details.

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**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.) Cad Download: www.loewen.com/architect | Installation Instructions: www.loewen.com**

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C3 | Technical Guide | Awnings Windows

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**Awning Windows**

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**Awning**

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**Push Out Awnings**

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**HARDWARE STYLES**

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**Awning**

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**Push Out Awnings**

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**VARIABLES**

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**Finish**

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**Use for Egress**

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**Available with Screen**

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**Concealed Hardware**

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**Durability**

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**Low Maintenance Metal Cladd Exterior**

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**Clear Douglas Fir Exterior Finish**

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**Clear Mahogany Exterior Finish**

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**Primed Exterior Finish**

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**Cyprium Collection**

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**Performance**

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**LowE Double**

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**LowE Triple**

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**StormShade™**

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**Appearance**

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**SDL**

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### Awning 1 Wide Window Sizes

#### Glass Size – Visible Glass + 15/16" (24 mm)

<table>
<thead>
<tr>
<th>Width</th>
<th>Height</th>
<th>Wood Exterior</th>
<th>Metal Clad</th>
<th>Frame</th>
<th>Visible Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>7/16</td>
<td>24 3/8</td>
<td>342</td>
<td>AW1</td>
<td>1012</td>
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<tr>
<td>20</td>
<td>5/16</td>
<td>24 3/8</td>
<td>342</td>
<td>AW1</td>
<td>1012</td>
</tr>
<tr>
<td>35 1/4</td>
<td>7/16</td>
<td>32 3/8</td>
<td>342</td>
<td>AW1</td>
<td>1012</td>
</tr>
<tr>
<td>35 1/4</td>
<td>5/16</td>
<td>32 3/8</td>
<td>342</td>
<td>AW1</td>
<td>1012</td>
</tr>
<tr>
<td>36 3/16</td>
<td>7/16</td>
<td>34 7/8</td>
<td>342</td>
<td>AW1</td>
<td>1012</td>
</tr>
<tr>
<td>36 3/16</td>
<td>5/16</td>
<td>34 7/8</td>
<td>342</td>
<td>AW1</td>
<td>1012</td>
</tr>
</tbody>
</table>

- **Product Code:** 13-17/16 [447] | 19 11/16 [347] |
- **Glass Size:** Visible Glass + 15/16" (24 mm)

#### Standard sizes shown. Additional sizes may be available. Custom sizes can be ordered.

- Available with Mission sash.
- Available with SDL/Grille patterns.
- Available with Push Out hardware.
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.

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### Awning 2 Wide Window Sizes

#### Glass Size – Visible Glass + 15/16" (24 mm)

<table>
<thead>
<tr>
<th>Width</th>
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<th>Wood Exterior</th>
<th>Metal Clad</th>
<th>Frame</th>
<th>Visible Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>17/16</td>
<td>25 1/4</td>
<td>342</td>
<td>AW1</td>
<td>1012</td>
</tr>
<tr>
<td>20</td>
<td>13/16</td>
<td>25 1/4</td>
<td>342</td>
<td>AW1</td>
<td>1012</td>
</tr>
<tr>
<td>38 1/2</td>
<td>17/16</td>
<td>36 3/4</td>
<td>342</td>
<td>AW1</td>
<td>1012</td>
</tr>
<tr>
<td>38 1/2</td>
<td>13/16</td>
<td>36 3/4</td>
<td>342</td>
<td>AW1</td>
<td>1012</td>
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<td>17/16</td>
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<td>17/16</td>
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<td>42</td>
<td>13/16</td>
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<td>AW1</td>
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<td>13/16</td>
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<td>1012</td>
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<td>AW1</td>
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- **Product Code:** 13-17/16 [447] | 19 11/16 [347] |
- **Glass Size:** Visible Glass + 15/16" (24 mm)

#### Standard sizes shown. Additional sizes may be available. Custom sizes can be ordered.

- Available with Mission sash.
- Available with SDL/Grille patterns.
- Available with Push Out hardware.
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.
Contemporary Frame Cladding Detail

Awning Window Wall Connection Detail

Note:
- Other jamb widths available.
- All dimensions in mm. ±1/16" (2mm) tolerance.
**Awning Window Detail**

**Head & Sill Detail**

- **Metal Clad Triplet**
  - 4 9/16" (116 mm)
  - Square Glazing Stops
  - Retractable Screen

- **Wood Exterior Double**
  - 4 9/16" (116 mm)
  - 3 1/2" Flat Casing with BC Sill Nose
  - Standard Screen

- **Wood Exterior Triplet**
  - 4 9/16" (116 mm)
  - 2 BRKMOULD with Standard Sill Nose
  - Retractable Screen

**Plan View**

- **Double**
- **Triplet**
- **Retractable Screen**

- **Metal Clad**
- **Wood Exterior**
- **Standard Screen**

**Note:**
- Other jamb widths available.
- All dimensions to have +/- 1/16" (2mm) tolerance.

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**Push Out Awning Window Detail**

**Head & Sill Detail**

- **Metal Clad Triplet**
  - 4 9/16" (116 mm)
  - Square Glazing Stops
  - Retractable Screen

- **Wood Exterior Double**
  - 4 9/16" (116 mm)
  - 2 BRKMOULD with BC Sill Nose
  - Standard Screen

- **Wood Exterior Triplet**
  - 4 9/16" (116 mm)
  - 2 BRKMOULD with BC Sill Nose
  - Putty Glazing Stops
  - Hinged Wood Screen

**Plan View**

- **Hinged Wood Screen**
- **Retractable Screen**
- **Metal Clad**

**Note:**
- Other jamb widths available.
- All dimensions to have +/- 1/16" (2mm) tolerance.
Mission Awning Window Detail

Head & Sill Detail

Note:
• Other jamb widths available.
• All dimensions to have +/- 1/16” (2mm) tolerance.

Plan View

Mission Awning Window Detail

Head & Sill Detail

Note:
• Other jamb widths available.
• All dimensions to have +/- 1/16” (2mm) tolerance.

Push Out Mission Awning Window Detail

Head & Sill Detail

Note:
• Other jamb widths available.
• All dimensions to have +/- 1/16” (2mm) tolerance.

Plan View