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 Kerf.

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

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**HARDWARE STYLES**

<table>
<thead>
<tr>
<th></th>
<th>Awning</th>
<th>Push Out Awning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Folding Crank Handle</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Push Out Handle</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Multipoint Lock</td>
<td>●</td>
<td>○</td>
</tr>
<tr>
<td>Electric Operator</td>
<td>○</td>
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</tr>
</tbody>
</table>

● Standard  ○ Optional

Finish Options: Refer to Section A.

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**VARIABLES**

<table>
<thead>
<tr>
<th></th>
<th>Awning</th>
<th>Push Out Awning</th>
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<tbody>
<tr>
<td>Function</td>
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<td></td>
</tr>
<tr>
<td>Use for Egress</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Available with Screen</td>
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<td>●</td>
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<tr>
<td>Concealed Hardware</td>
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<thead>
<tr>
<th>Durability</th>
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<tbody>
<tr>
<td>Low Maintenance Metal Clad Exterior</td>
<td>●</td>
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<tr>
<td>Clear Douglas Fir Exterior Finish</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Clear Mahogany Exterior Finish</td>
<td>○</td>
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<tr>
<td>Primed Exterior Finish</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Cyprium Collection</td>
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<table>
<thead>
<tr>
<th>Performance</th>
<th></th>
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<tbody>
<tr>
<td>LowE Double</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>LowE Triple</td>
<td>○</td>
<td>○</td>
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<tr>
<td>StormForce™</td>
<td>○</td>
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<table>
<thead>
<tr>
<th>Appearance</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>SDL</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>
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
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, 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.

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
### Awning 1 Wide Window Sizes

<table>
<thead>
<tr>
<th>Rough Opening</th>
<th>Frame Width</th>
<th>Visible Glass</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 3/16 [436]</td>
<td>15 3/4 [400]</td>
<td>AW1 0504</td>
<td>619</td>
</tr>
<tr>
<td>21 1/8 [536]</td>
<td>15 3/4 [400]</td>
<td>AW1 0505</td>
<td>619</td>
</tr>
<tr>
<td>29 [736]</td>
<td>25 3/8 [600]</td>
<td>AW1 0507</td>
<td>619</td>
</tr>
<tr>
<td>30 15/16 [786]</td>
<td>35 7/16 [900]</td>
<td>AW1 0508</td>
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<tr>
<td>32 15/16 [836]</td>
<td>35 3/8 [842]</td>
<td>AW1 0509</td>
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</tr>
<tr>
<td>36 7/8 [936]</td>
<td>35 3/8 [842]</td>
<td>AW1 0510</td>
<td>619</td>
</tr>
<tr>
<td>40 13/16 [1036]</td>
<td>35 3/8 [842]</td>
<td>AW1 0511</td>
<td>619</td>
</tr>
<tr>
<td>42 11/16 [1084]</td>
<td>47 1/2 [1200]</td>
<td>AW1 0512</td>
<td>619</td>
</tr>
<tr>
<td>48 11/16 [1236]</td>
<td>47 1/2 [1200]</td>
<td>AW1 0513</td>
<td>619</td>
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<tr>
<td>56 9/16 [1436]</td>
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<td>56 3/4 [1422]</td>
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<tr>
<td>75 5/16 [1836]</td>
<td>56 3/4 [1422]</td>
<td>AW1 0517</td>
<td>619</td>
</tr>
</tbody>
</table>

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

### New oversized CA operator up to CA1 1224

- watch for sizes where temp, tri sash, sash stabilizer etc. are read
- roto only
- rectanguler

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

**Note:**
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16” (21 mm) from the vertical visible glass measurement.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- Available with Push Out hardware.
- For Masonry opening information see page A24-A29.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.

- Egress calculations are based on the unit being opened at 70° for washability hinge, 80° for egress hinge, and having minimum clear openings of:
  - Meets US Egress: 20” in width, 24” in height, with a total egress area of 5.7 Sq Ft
  - Meets Canadian Egress: 15” in width, 15” in height, with a total egress area of 3.8 Sq Ft
- Please check your local building codes for any variation in Egress Standards from those stated above. For egress information, contact your Authorized Loewen Dealer.
<table>
<thead>
<tr>
<th>Rough Opening</th>
<th>Frame</th>
<th>Wood Exterior</th>
<th>Metal Clad</th>
<th>Visable Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>72 5/16 [1836]</td>
<td>70 7/8 [1800]</td>
<td>7 1/2 [242]</td>
<td>1506</td>
<td>2807</td>
</tr>
</tbody>
</table>

New oversized CA operator up to CA1 1224

Note: Available with Mission sash. For a unit with a Mission sash, subtract 13/16” (21 mm) from the vertical visable glass measurement.

SDL/Grille patterns are dependent onSDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.

Available with Push Out hardware.

For Masonry opening information see page A24-A29.

Sizes are shown as double glazing, not all sizes may be available in triple glazing.

Glass Size = Visable Glass + 15/16” (24 mm)

Product Code

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

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Please check your local building codes for any variation in Egress Standards from those stated above. For egress information, contact your Authorized Loewen Dealer.
**Head & Sill Detail**

![Diagram of Head & Sill Detail]

**Plan View**

![Diagram of Plan View]

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

Head & Sill Detail

METAL CLAD TRIPLE
6 9/16" (166 mm)
SQUARE GLAZING STOPS
RETRACTABLE SCREEN

WOOD EXTERIOR DOUBLE
4 9/16" (116 mm)
3 1/2" FLAT CASING WITH BC SUBSILL
RETRACTABLE SCREEN

WOOD EXTERIOR TRIPLE
6 9/16" (166 mm)
2" BRICKMOULD WITH STANDARD SUBSILL
STANDARD SCREEN

Head & Sill Detail

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

Head & Sill Detail

- **METAL CLAD TRIPLE**
  - 6 9/16" (166 mm)
  - ADAMS CASING WITH BC SILL NOSE
  - RETRACTABLE SCREEN

- **WOOD EXTERIOR DOUBLE**
  - 4 9/16" (116 mm)
  - ADAMS CASING WITH HERITAGE SUBSILL
  - SQUARE GLAZING STOPS
  - RETRACTABLE SCREEN

- **WOOD EXTERIOR TRIPLE**
  - 6 9/16" (166 mm)
  - 2" BRICKMOULD WITH BC SUBSILL
  - PUTTY GLAZING STOPS
  - HINGED WOOD SCREEN

---

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

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Plan View

- HINGED WOOD SCREEN
- RETRACTABLE SCREEN

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Metal Clad Double

4 9/16" (116 mm)

NOSE & COVE CASING WITH HERITAGE SILL NOSE

HINGED WOOD SCREEN

---

Wood Exterior

HINGED WOOD SCREEN

---

C8 | Technical Guide | Awning Windows
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

- All dimensions to have +/- 1/16" (2mm) tolerance.

Note:
- Other jamb widths available.
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