Technical Guide E

Double/Single Hung Windows
Product Features

Styles
Double Hung, Single Hung, Radius Top and Cottage 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
• Extruded aluminum cladding in a variety of standard colors, primed wood or clear fir exterior
• Flexible continuous weatherstrip system
• Insect screens
• Metal 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.

Double Hung

<table>
<thead>
<tr>
<th>HARDWARE STYLES</th>
<th>Double/Single Hung</th>
<th>DOUBLE/ SINGLE HUNG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sash Lock</td>
<td>●</td>
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<tr>
<td>Sash/Lift</td>
<td>○</td>
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</table>

● Standard ○ Optional
Finish Options: Refer to Section A.
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
Sash locks and optional sash lifts 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. 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
Hardware is standard in bronze, linen, or black. Optional sash lifts are available at an additional charge. Operable sash with single-handle tilt latch enables inward tilting of sash for easy cleaning.

Weatherstrip
Flexible weatherstrip ensures a positive weather seal.

Screen
Standard screens have a bronze, linen or aluminum frame, screened with anti-glare fiberglass cloth. Screen-frame color is matched to exterior finish on metal clad units. High transparency mesh, full screens and half screens available.

Egress
Consult local building codes for confirmation of size requirements for your area. Consult your Authorized Loewen Dealer for more details.
## Double/Single Hung
### 1 Wide Window Sizes

<table>
<thead>
<tr>
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<tbody>
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<td>32 5/16 [820]</td>
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<td>57 [1448]</td>
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<td>DH1</td>
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<td>2024</td>
<td>DH1</td>
<td>2424</td>
<td>DH1</td>
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<td>25 [635]</td>
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<td>2026</td>
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<td>64 1/4 [1632]</td>
<td>27 [686]</td>
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<td>2028</td>
<td>DH1</td>
<td>2428</td>
<td>DH1</td>
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<td>2030</td>
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<td>DH1</td>
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<td>73 1/16 [1855]</td>
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<td>31 [788]</td>
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<td>DH1</td>
<td>2032</td>
<td>DH1</td>
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<td>DH1</td>
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<td>81 [2058]</td>
<td>80 1/4 [2039]</td>
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<td>DH1</td>
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<td>DH1</td>
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<td>DH1</td>
<td>2038</td>
<td>DH1</td>
<td>2438</td>
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**Note:**
- Substitute SH1 for DH1 when ordering a Single Hung unit.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- For Masonry opening information see page A30-A31.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.
- Only available in Liberty (non-tilt).

**Glass Size = Visible Glass + 15/16" (24 mm)**

**Egress Definitions:**
- 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.
Double/Single Hung
2 Wide Window Sizes

<table>
<thead>
<tr>
<th>Rough Opening</th>
<th>Wood Exterior</th>
<th>Metal Clad</th>
<th>Frame</th>
<th>15 1/16</th>
<th>19 1/16</th>
<th>23 1/16</th>
<th>25 1/16</th>
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<th>29 1/16</th>
<th>31 1/16</th>
<th>35 1/16</th>
<th>39 1/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>57 11/16 [1465]</td>
<td>57 [1448]</td>
<td>56 1/4 [1429]</td>
<td>23 [584]</td>
<td>DH2 1624</td>
<td>DH2 2024</td>
<td>DH2 2424</td>
<td>DH2 2624</td>
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<td>DH2 3024</td>
<td>DH2 3224</td>
<td>DH2 3624</td>
<td>DH2 4024</td>
</tr>
<tr>
<td>81 11/16 [2075]</td>
<td>81 [2058]</td>
<td>80 1/4 [2039]</td>
<td>35 [889]</td>
<td>DH2 1636</td>
<td>DH2 2036</td>
<td>DH2 2436</td>
<td>DH2 2636</td>
<td>DH2 2836</td>
<td>DH2 3036</td>
<td>DH2 3236</td>
<td>DH2 3636</td>
<td>DH2 4036</td>
</tr>
</tbody>
</table>

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

Note:
- Substitute SH1 for DH1 when ordering a Single Hung unit.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- For Masonry opening information see page A30-A31.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.
- Only available in Liberty (non-tilt).

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

• Egress calculations are based on the unit being opened at 70° for washablility hinge, 85° 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 verify SDL/Grille patterns before confirming your order.

For egress information, contact your Authorized Loewen Dealer.
# Double/Single Hung
## Fixed Window Sizes

| Rough Opening | Width | Height
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood Exterior</td>
<td>Metal Clad</td>
<td>Visible Glass</td>
</tr>
<tr>
<td>73 11/16 [1872]</td>
<td>73 1/16 [1855]</td>
<td>72 1/2 [1836]</td>
</tr>
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**Width**

<table>
<thead>
<tr>
<th>Product Code</th>
</tr>
</thead>
</table>

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

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**Standard sizes Shown. Additional sizes may be available. Custom sizes can be ordered.**

**Note:**

- SDL/Grille patterns are dependent on SDL/Grille type and window size.
- Please verify SDL/Grille patterns before confirming your order.
- For Masonry opening information see page A30-A31.
- SDL/Grille patterns are shown as double glazing, not all sizes may be available in triple glazing.
- Only available with a Grand Sash.
### Double/Single Hung
#### Transom Window Sizes

<table>
<thead>
<tr>
<th>Rough Opening</th>
<th>Width</th>
<th>Height</th>
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<tbody>
<tr>
<td>17 1/4</td>
<td>22 9/16 [573]</td>
<td>15 1/16 [382]</td>
</tr>
<tr>
<td>18 9/16</td>
<td>26 9/16 [675]</td>
<td>19 1/16 [484]</td>
</tr>
<tr>
<td>19 1/4</td>
<td>30 9/16 [777]</td>
<td>23 1/16 [586]</td>
</tr>
<tr>
<td>20 9/16</td>
<td>32 9/16 [827]</td>
<td>25 1/16 [636]</td>
</tr>
<tr>
<td>21 1/4</td>
<td>34 9/16 [878]</td>
<td>27 1/16 [687]</td>
</tr>
<tr>
<td>22 9/16</td>
<td>36 9/16 [929]</td>
<td>29 1/16 [738]</td>
</tr>
<tr>
<td>23 1/4</td>
<td>38 9/16 [980]</td>
<td>31 1/16 [789]</td>
</tr>
<tr>
<td>24 9/16</td>
<td>40 9/16 [1081]</td>
<td>35 1/16 [890]</td>
</tr>
<tr>
<td>25 1/4</td>
<td>42 9/16 [1183]</td>
<td>39 1/16 [992]</td>
</tr>
</tbody>
</table>

**Glass Size = Visible Glass + 15/16" (24 mm)**

**Note:**
- SDL/Grille patterns are dependent on SDL/Grille type and window size.
- Please verify SDL/Grille patterns before confirming your order.
- For Masonry opening information see page A30-A31.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.
Double/Single Hung – Double Hung Tilting Window Detail

**Head & Sill Detail**

**Plan View**

**Head & Sill Detail Plan View**

**Mull Detail**

**Note:**
- Other jamb widths available.
- All dimensions to have +/- 1/16" (2mm) tolerance.
Note:
• Other jamb widths available.
• All dimensions to have +/- 1/16” (2mm) tolerance.
Double/Single Hung – Single Hung Tilting Window

Detail

Head & Sill Detail

Plan View

Head & Sill Detail

Plan View

Mull Detail

Note:
- Other jamb widths available.
- All dimensions to have +/- 1/16" (2mm) tolerance.
Double/Single Hung – Single Hung Tilting Window

**Head & Sill Detail**

![Wood Exterior Triple: 6 9/16" (166 mm) 2" Brickmould Standard Subsill]

![Wood Exterior Double: 4 9/16" (116 mm) + 5 1/8" (130 mm) 2" Brickmould]

**Plan View**

![Wood Exterior Triple: 6 9/16" (166 mm) 2" Brickmould]

![Wood Exterior Double: 4 9/16" (116 mm) + 5 1/8" (130 mm) 2" Brickmould]

**Mull Detail**

**Note:**
- Other jamb widths available.
- All dimensions to have +/- 1/16" (2mm) tolerance.
Double/Single Hung – Liberty (Non-Tilting) Window Detail

Head & Sill Detail

Plan View

Note:

- Other jamb widths available.
- All dimensions to have +/- 1/16” (2mm) tolerance.
Double/Single Hung – Liberty (Non-Tilting) Window

Head & Sill Detail

Plan View

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