Effortlessly expand your living space to the outdoors

Sliding Glass Door Systems allow for expansive views and create easy access to the outdoors or transitions between two interior spaces. Motorization options, pocketing possibilities, countless configurations, and gigantic panel sizes make our Sliding Glass Doors a flexible design element that complements any space. For completely unobstructed views, pockets can be designed into the system, that allow the doors to be tucked away within the wall cavity while fully opened. Pet and insect screen systems can be integrated into the design to keep insects where they belong — outside!

FEATURES

PANELS
- Motorized panels and screens possible with wireless remote, keypad, motion sensor, or infrared sensor controls available
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

PERFORMANCE:
- Weather-tight jamb interlock provides outstanding air and water performance

GLAZING:
- Designed to accommodate almost any glazing infill including glass and solid-panel infills from ¼" to 1⅜"

HARDWARE
- Custom manufactured operable hardware
- Multiple hardware styles and finishes
- Multiple sill designs, including high performance sill
- Stainless steel rollers with precision bearings
  - 3" rollers for minimum panel width of 30"
  - 1⅜/16" rollers for minimum panel width of 20"
- Smaller panels may be available upon engineering approval

OPTIONS

FINISHES:
- Standard finishes:
  - AAMA 2603: Black, White, Sandstone, and Bronze
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Designer finishes:
  - AAMA 2604: Black, White, Sandstone, Natural Clay, and Bronze
- Custom finishes:
  - Powder coat finish: AAMA 2604, 2605
  - Fluoropolymer (50% or 70%): AAMA 2604, 2605
  - Faux wood
  - Dual finish — interior/exterior applications

OPTIONS:
- Matching fixed transoms & sidelites
- Screen options: folding, sliding, retractable
- Mullions, decorative muntins, simulated divided lites (SDLs), interior & exterior grids
- No post 90° corners possible
- Pocketing options: single or double sided
- Factory installed sill drain tubes, if required
HARDWARE

Handles

**STANDARD**

Ergonomic

- Black
- White
- Painted Aluminum
- Brushed Nickel*

**PULLS**

GeoMetek

- BandWidth

**POCKET DOOR**

Edge Pull

Pocket Doors Only Available in Clear and Dark Bronze Anodized Finish

**COASTAL RECESSED**

Recessed Thumb Turn

Interior
- Black
- Satin Nickel

Exterior
- Black

FINISH OPTIONS

**Paint**

**STANDARD** - AAMA 2603 (5 year warranty). Finishes available while in stock.

- Si Black
- Si White
- Si Sandstone
- Si Bronze

**Anodized** - Additional cost

- Class I Clear Anodized
- Dark Bronze Anodized

**Designer** - AAMA 2604 (5 year warranty), AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*

- Si Black
- Si White
- Si Sandstone
- Si Natural Clay
- Si Bronze

**Powder Coat Solids**

AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.**

- Black (SRSL 11396 FRSL 11396)
- Apollo White (SRSL 82519 FRSL 82908)
- Bone White (SRSL 82520 FRSL 82909)
- Ivory (SRSL 45891 FRSL 46646)
- Sandstone (SRSL 45892 FRSL 46647)
- Seawolf (SRSL 46636 FRSL 46645)
- Fashion Gray (SRSL 74658 FRSL 74652)
- Colonial Gray (SRSL 74659 FRSL 74653)
- Charcoal (SRSL 74607 FRSL 74654)
- Military Light Blue (SRSL 21708 FRSL 21709)
- Burgundy (SRSL 62447 FRSL 62446)
- Hartford Green (SRSL 32845 FRSL 32872)
- Antique Bronze (SRSL 45893 FRSL 46648)

**Powder Coat Metallics**

AAMA 2604, AAMA 2605*

- Silver Sparkle
- Champagne
- Copper
- Pewter
- #4 Polished Stainless Steel

**Metal Clad**

STANDARD*

**Decorals Finishes (Powder Coat)**

- Knotty Pine 2103
- Douglas Fir 1501
- Acacia 1001
- Cherry 1402
- Acacia 1001
- Oak Assi 2501
- Cherry 1402
- Dark Walnut 1802
- Teak 2601
- National Walnut 1806

*Dependent on shelf life, some AAMA 2604 & 2605 finishes may be unavailable; Hartford Green is being phased out.

**Rollers**

1 13/16" Stainless Steel Wheels Roller

WITH STAINLESS STEEL PRECISION BEARINGS

G2 ONLY

3" Nylon Wheels Roller

WITH STAINLESS STEEL PRECISION BEARINGS

3" Stainless Steel Wheels Roller

WITH STAINLESS STEEL PRECISION BEARINGS

*Additional charges will apply.

Note: Depending upon color selection, additional charges and increased lead times may apply. Extended warranties and service plans are available for an additional charge. Examples are shown as accurate as photography and printing processes allow. Final finish selection should be made from a physical sample; contact Solar Innovations® for samples. Product and finish options are subject to vendor availability. Solar Innovations® reserves the right to discontinue any option at any time without notice. Additional options, including custom color match, are available; contact Solar Innovations® for details. FSC options available.
**CONFIGURATIONS**

**Additional configurations are available.**

**Dual Track**

```
X O X
```

**Multi-Track**

```
O X
```

**Pocketing**

```
P X
```

**90° No Post**

```
X
```

-O = FIXED  X = OPERABLE  P = POCKET-

**GRID OPTIONS**

- **Arched Grid**
- **Gothic Grid**
- **Double Gothic Grid**
- **Traditional Grid**
- **Cross Grid**
- **English Grid**

Like-sized grids can be mixed and matched, for example:

- **Colonial on Monolithic Glass**
- **Ogee with SDL**
- **Traditional with SDL**
- **Wide Traditional with SDL**
- **Low Profile with SDL**
- **Thin Low Profile with SDL**
- **Simulated Steel with SDL**
- **Interior Muntin in Insulated Glass**

**MONOLITHIC GLAZING ONLY**

To find out more about the features and options of our Sliding Glass Doors, visit our website at solarinnovations.com/our-products/aluminum-doors/sliding-glass-doors/ or contact one of our sales designers at 800 618 0669.
G2 System

The G2 Multi-Track Sliding Glass Door System is ideal for any commercial or residential entryway. For exterior applications, the frame can incorporate thermal breaks, that greatly reduce the heat and cold transfer from the exterior to the interior. For ease of use, our system can be motorized and even be controlled by a smart phone.

G2 Impact System

For coastal applications, our systems can be designed with high-performance sills, high-wind or hurricane hook rails and/or laminated glazing that will protect your home in extreme conditions.

G2 STC Rated System

The G2 STC-rated Multi-Track Sliding Glass Door System is ideal for any application that has Sound Transmission Class (STC) requirements. Though acoustic values are typically specific to the glazing selection, the construction of the frame can greatly influence the acoustical performance. The G2 STC-rated system combines enhanced acoustical performance, superior thermal performance, and outstanding functionality.

Please note: Any variation in configuration, sill, or size from tested standards will need to be tested to confirm STC rating.

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### Florida Impact Performance Test #110-10818-2

<table>
<thead>
<tr>
<th>Panel Size</th>
<th># of Panels</th>
<th>Design Pressure</th>
<th>Certification</th>
<th>Air at 1.57psf</th>
<th>Water</th>
<th>Glass Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>60.5”W x 96”H</td>
<td>Unlimited</td>
<td>±65psf</td>
<td>FL 16028.2</td>
<td>0.14 CFM/FT²</td>
<td>12.0psf* (Based on water column)</td>
<td>Monolithic ⁷/₁₆” HS (⁷/₁₆” over ⁷/₁₆” .090 SGP Inner Layer)</td>
</tr>
</tbody>
</table>

* Testing and performance results may vary depending upon sill, size, and hardware selections. Please be sure to visit our website or contact your Solar Innovations® representative for additional product information.

### G2 STC Rated System Acoustical Testing

<table>
<thead>
<tr>
<th>Test Report</th>
<th>Glazing Thickness</th>
<th>Glazing Makeup</th>
<th>STC</th>
<th>OITC</th>
</tr>
</thead>
<tbody>
<tr>
<td>F3159.01</td>
<td>1”</td>
<td>¼” Annealed Exterior, ½” Air Space, ¼” Laminated Interior, Glass Temperature 75°F</td>
<td>33</td>
<td>29</td>
</tr>
</tbody>
</table>

---

**Panels**
- Minimum panel size: 20” wide; smaller panels may be available upon engineering approval
- Maximum panel size up to 6’ x 10’; larger panel options may be available depending on application
- Motorized panels available

**Glazing**
- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from ¼” to 1¹/₁₆”

**Performance**
- Water performance up to 12psf, depending on sill choice, configuration, and water column
- Higher design pressure ratings available with engineering approval
- Test results available upon request
Sill Options

THERMALLY IMPROVED

G2 Sliding Thermal Sill — ⅝” Flat Sill With No Up Leg
Limited/no expected field water performance

G2 Sliding Thermal Sill — 17/32” Up Leg
4.5PSF expected field water performance

G2 Sliding Thermal Sill — 27/16” Up Leg
8.4PSF expected field water performance

G2 Sliding Thermal Sill — 3” Up Leg
12PSF expected field water performance

G2 ADA Sill with Interior Flooring
1-1.5PSF expected field water performance
ADA Compliant*

* Custom order; subject to availability. Only available in Class 1 Clear Anodized finish.

NON-THERMAL

G2 Sliding Non-Thermal Sill — ⅛” Flat Sill With No Up Leg
Limited/no expected field water performance
ADA compliant

G2 Sliding Non-Thermal Sill — 1¼” Integrated Up Leg
4.0PSF expected field water performance
Hurricane certified

G2 Sliding Non-Thermal Sill — 7/16” Up Leg
6.5PSF expected field water performance
Hurricane certified

G2 Sliding Non-Thermal Sill — 1⅞” Up Leg
7.1PSF expected field water performance
Hurricane certified

G2 Sliding Non-Thermal Tile Sill
5.2PSF expected field water performance
Sill pan required
ADA compliant

Please note: only standard sill and up leg options are shown. Other variations are available upon request.
Vertical & Horizontal Rail Options

NON THERMAL

Standard Bottom Rail
Handle Rail
Flush Rail
Hook Rail
High Wind Hook Rail
Hurricane Hook Rail

THERMALLY IMPROVED

Medium Bottom Rail
Large Bottom Rail
Handle Rail
High Wind Handle Rail
Flush Rail
Hurricane Flush Rail

Hook Rail
High Wind Hook Rail
Hurricane Hook Rail

Non Thermal Mullion
Thermally Improved Mullion

Mullions
(True Divided Lites)
Head & Sill Detail

Four Panel OXXX

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Interior Opening</th>
<th>Exterior Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 1/2&quot; SHIM SPACE</td>
<td>19/32&quot;</td>
<td>9 21/32&quot;</td>
</tr>
<tr>
<td>3 1/16&quot;</td>
<td>5 7/16&quot;</td>
<td>4 27/32&quot;</td>
</tr>
<tr>
<td>9 21/32&quot;</td>
<td>15/32&quot;</td>
<td>4 5/32&quot;</td>
</tr>
</tbody>
</table>

Two Panel XO with Transom

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Interior Opening</th>
<th>Exterior Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 1/16&quot;</td>
<td>5 7/16&quot;</td>
<td>4 27/32&quot;</td>
</tr>
<tr>
<td>4 27/32&quot;</td>
<td>4 5/32&quot;</td>
<td>3 15/32&quot;</td>
</tr>
</tbody>
</table>

Jamb & Elevation Details

Standard

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Rough Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/4&quot;</td>
<td>15/32&quot; SILL</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>5 7/16&quot;</td>
</tr>
</tbody>
</table>

High Deflection

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Rough Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/4&quot;</td>
<td>19/32&quot; SILL</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>4 3/16&quot;</td>
</tr>
</tbody>
</table>

Three Panel OXO

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Rough Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 13/32&quot;</td>
<td>3 11/32&quot;</td>
</tr>
<tr>
<td>Fixed Panel</td>
<td>4 1/2&quot;</td>
</tr>
<tr>
<td>Door Stop</td>
<td>1 1/2&quot;</td>
</tr>
<tr>
<td>Operable Panel</td>
<td>3 15/32&quot;</td>
</tr>
<tr>
<td>Fixed Panel</td>
<td>4 1/2&quot;</td>
</tr>
<tr>
<td>Exterior</td>
<td>4 1/2&quot;</td>
</tr>
</tbody>
</table>
G3 SLIDING GLASS DOORS

G3 System
The G3 Multi-Track Sliding Glass Door System features all of the characteristics of our G2 system, but incorporates a heftier frame, which allows for a thicker glazing infill. This system also allows for higher wind loads and greater deflection, making for a stronger frame than its G2 counterpart.

G3 Impact System
For coastal applications, our systems can be designed with high-performance sills, high-wind or hurricane hook rails and/or laminated glazing that will protect your home in extreme conditions.

G3 System Air & Structure Impact Testing

<table>
<thead>
<tr>
<th>Panel Size</th>
<th>Glazing Description</th>
<th>Air Infiltration at 1.57psf (25 MPH)</th>
<th>Water Penetration</th>
<th>Design Pressure</th>
<th>Uniform Load Structural Test</th>
<th>Overload</th>
<th>Impact &amp; Cycling</th>
</tr>
</thead>
<tbody>
<tr>
<td>60&quot;W x 115&quot;H</td>
<td>1¼” IGU HS (½” Tempered Over 7/16” HS .090 SPG Inner Layer)</td>
<td>0.10 CFM/FT²</td>
<td>7.52psf (HP Sill)</td>
<td>+50/-70psf (HP Sill)</td>
<td>±70psf</td>
<td>±105psf</td>
<td>±70psf</td>
</tr>
<tr>
<td>10.56psf (Extra HP Sill)</td>
<td>±70psf</td>
<td>±105psf</td>
<td>±70psf</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

G3 STC Rated System
The G3 STC-rated Multi-Track Sliding Glass Door System is ideal for any application that has Sound Transmission Class (STC) requirements. Though acoustic values are typically specific to the glazing selection, the construction of the frame can greatly influence the acoustical performance. The G3 STC-rated system combines enhanced acoustical performance, superior thermal performance, and outstanding functionality.

G3 STC Rated System Acoustical Testing

<table>
<thead>
<tr>
<th>Test Report</th>
<th>Glazing Thickness</th>
<th>Glazing Makeup</th>
<th>STC</th>
<th>OITC</th>
</tr>
</thead>
<tbody>
<tr>
<td>C2184.01-113-11</td>
<td>1¾”</td>
<td>1¼” Laminated Over 3/8” Air Space Over ¾” Laminated</td>
<td>42</td>
<td>36</td>
</tr>
</tbody>
</table>

* Testing and performance results may vary depending upon sill, size, and hardware selections. Please be sure to visit our website or contact your Solar Innovations® representative for additional product information.

Panels
- Minimum panel width: 30"; smaller panels may be available upon engineering approval
- Panel size up to 6’ x 15’; larger panel options may be available depending on application
- Motorized panels available

Glazing
- Designed to accommodate almost any insulated, laminated, decorative, polycarbonate, or solid panel infill from 1¼" to 1¾"

Performance
- Water performance up to 12psf, depending on sill choice and configuration
- Structural tested up to a design pressure of 100psf
- Higher water and structural performance available with engineering approval
Sill Options

**THERMALLY IMPROVED**

**G3 Sliding Thermal Sill — ⅛" Flat Sill With No Up Leg**
Limited/no expected field water performance

**G3 Sliding Thermal Sill — 1¹⁷/₃₂" Up Leg**
4.5PSF expected field water performance

**G3 Sliding Thermal Sill — 2⁵/₁₆" Up Leg**
8.4PSF expected field water performance

**G3 Sliding Thermal Sill — 3" Up Leg**
12PSF expected field water performance

**G3 Sliding ADA Sub Sill**
3-4PSF expected field water performance
Can use exterior weep flaps or drain tubes
ADA compliant

**ADA Tank Sill**
12PSF expected field water performance
Can use exterior weep flaps or drain tubes
ADA compliant

**NON-THERMAL**

**G3 Sliding Non-Thermal Tile Sill**
Limited/no expected field water performance
Interior applications only
ADA compliant

Please note: only standard sill and up leg options are shown. Other variations are available upon request.
Vertical & Horizontal Rail Options

**NON THERMAL**

<table>
<thead>
<tr>
<th>Rail Type</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flush Rail</td>
<td>2¼&quot; x 2½&quot; x 4&quot;</td>
</tr>
<tr>
<td>Hurricane Flush</td>
<td>2¼&quot; x 4&quot;</td>
</tr>
<tr>
<td>Extra Heavy</td>
<td>2¼&quot; x 5½&quot; x 3&quot;</td>
</tr>
<tr>
<td>Hook Rail</td>
<td>3&quot; x 3&quot;</td>
</tr>
<tr>
<td>High Wind</td>
<td>3&quot; x 3&quot;</td>
</tr>
<tr>
<td>Hurricane</td>
<td>3&quot; x 4¹³/₃&quot;</td>
</tr>
<tr>
<td>Extra Heavy</td>
<td>3&quot; x 5⁹/₁₆&quot;</td>
</tr>
</tbody>
</table>

**THERMALLY IMPROVED**

<table>
<thead>
<tr>
<th>Rail Type</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottom Rail</td>
<td>1¾&quot; x 4¾&quot; x 2½&quot;</td>
</tr>
<tr>
<td>Flush Rail</td>
<td>2¼&quot; x 2½&quot; x 4&quot;</td>
</tr>
<tr>
<td>Hurricane Flush</td>
<td>2¼&quot; x 4&quot;</td>
</tr>
<tr>
<td>Extra Heavy</td>
<td>2¼&quot; x 5½&quot; x 3&quot;</td>
</tr>
<tr>
<td>Equal SL Flush</td>
<td>3&quot; x 3&quot;</td>
</tr>
<tr>
<td>Handle Rail</td>
<td>3&quot; x 3&quot;</td>
</tr>
<tr>
<td>Hook Rail</td>
<td>3&quot; x 3&quot;</td>
</tr>
<tr>
<td>High Wind</td>
<td>3&quot; x 3&quot;</td>
</tr>
<tr>
<td>Hurricane</td>
<td>3&quot; x 3&quot;</td>
</tr>
<tr>
<td>Extra Heavy</td>
<td>3&quot; x 5³²/₃²&quot;</td>
</tr>
</tbody>
</table>

**Mullions**

*(True Divided Lites)*

<table>
<thead>
<tr>
<th>Mullion Type</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Mullion</td>
<td>3&quot; x 2½&quot; x 1²⁷/₃₂&quot;</td>
</tr>
<tr>
<td>Horizontal Mullion</td>
<td>3&quot; x 2½&quot;</td>
</tr>
</tbody>
</table>

*Please note:* All G3 mullions include thermal break, regardless of the system.
Head & Sill Detail

Four Panel OXXX

Two Panel XO with Transom

Jamb & Elevation Details

Two Panel OX

Three Panel OXO