Enjoy new heights with confidence, style, and safety.

Solar Innovations® glass railing system is designed for residential and commercial applications. The dry glazed mounting shoe provides a cleaner, simpler installation (as compared to wet set railing systems) that delivers excellent performance, long term serviceability, and adjust-ability. The basis of the design is a aluminum shoe which holds a solid piece of glass in place, typically 9/16” laminated glass (1/2” nominal thickness) or 1/2” fully tempered glass when permitted. Each piece of glass within the railing system is completely independent of the next. None of the glass pieces will touch, allowing a small space between each section. The top of the glass can be either exposed or fit with a round stainless steel cap.

**FEATURES**

- Dry glazed mounting shoe
- Concrete or steel substrate integration
- One or two side adjustable design
- Segmented radius & irregular configurations available
- Hand rails are 34” - 38” & guard rails are 42” or taller
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

**GLAZING:**

- Accommodates polished glazing infills from ½” to ¾”; thicker glass options depending on engineering

**PERFORMANCE:**

- ASTM E985-000 approved

**OPTIONS**

**FINISHES:**

- Standard finishes
  - AAMA 2603: Bronze, White
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Designer finishes
  - AAMA 2603: Hartford Green, Black, Natural Clay, Sandstone
- Custom finishes
  - Powder coat finish: AAMA 2604 - 2605
  - Fluoropolymer (50% or 70%): AAMA 2604 - 2605
  - Wood veneer, & metal cladding options
  - Dual color or dual finish options

**ACCESSORIES:**

- Wood & metal handle rail options & shapes available
- Wood & aluminum profile top cap available
- Round or straight end caps
GLASS RAILING DETAILS

SHOE ASSEMBLY

G1 Shoe Assembly

Patented G2 Shoe Assembly
(View patent at www.siip.co)

HAND RAIL OPTIONS

Projected Hand Rail

Glass Top Hand Rail

GLASS HANDRAIL END CAP OPTIONS

Glass Railing with Projected Hand Rail

Glass Railing with Top Rail

Curved End Cap

Straight End Cap
## TESTING

### NCTL Testing - ASTM E985-00

<table>
<thead>
<tr>
<th>TEST NUMBER</th>
<th>PANEL SIZE</th>
<th>SERIES</th>
<th>CONCENTRATED LOAD VERTICAL (365 lbs/ft)</th>
<th>CONCENTRATED LOAD HORIZONTAL (365 lbs/ft)</th>
<th>DISTRIBUTED LOAD VERTICAL (60 lbs/ft)</th>
<th>DISTRIBUTED LOAD HORIZONTAL (60 lbs/ft)</th>
<th>GLAZING</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-20273-1</td>
<td>44.125” H x 145.75” W</td>
<td>Top Mounted with Tempered Glass</td>
<td>1.25”</td>
<td>2.875”</td>
<td>1.25”</td>
<td>1.375”</td>
<td>0.487” Monolithic Tempered Glass</td>
</tr>
<tr>
<td>110-20273-2</td>
<td>44.125” H x 145.75” W</td>
<td>Side Mounted with Tempered Glass</td>
<td>0.0625”</td>
<td>2.75”</td>
<td>0.125”</td>
<td>1”</td>
<td>0.487” Monolithic Tempered Glass</td>
</tr>
<tr>
<td>110-20273-3</td>
<td>44.125” H x 145.75” W</td>
<td>Top Mounted with Tempered Glass</td>
<td>0.0625”</td>
<td>2.75”</td>
<td>0.375”</td>
<td>1.25”</td>
<td>0.45” Monolithic Tempered Glass, 0.18” Annealed Glass, 0.09” SentryGlas Plus Interlayer</td>
</tr>
<tr>
<td>110-20273-4</td>
<td>44.125” H x 145.75” W</td>
<td>Side Mounted with Tempered Glass</td>
<td>0.125”</td>
<td>2.675”</td>
<td>0.375”</td>
<td>1.25”</td>
<td>0.45” Monolithic Tempered Glass, 0.18” Annealed Glass, 0.09” SentryGlas Plus Interlayer</td>
</tr>
</tbody>
</table>

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

## FINISH OPTIONS

### Stock Finishes

- SI White
- SI Bronze
- Class I Clear Anodized*
- Dark Bronze Anodized*

### Designer Finishes

- SI Black
- SI Sandstone
- SI Natural Clay
- SI Hartford Green
- Copper
- Lead Coated Copper
- 304 Stainless Steel
- 304 Stainless Steel

### Powder Coating Solids

- Bone White
- Fashion Gray
- Colonial Gray
- Military Light Blue
- Burgundy
- Charcoal
- Champagne
- Cosmic Gray
- Light Bronze
- Copper

### Powder Coating Metallics

- Acacia 1001
  - DS 716 Textured
  - DS 402 Smooth
- Douglas Fir 1501
  - DS 716 Textured
  - DS 402 Smooth
- Cherry 1402
  - DS 716 Textured
  - DS 402 Smooth
- Knotty Pine 2103
  - DS 716 Textured
  - DS 402 Smooth
- Cherry 1402
  - DS 716 Textured
  - DS 402 Smooth
- Oak Assi 2501
  - DS 716 Textured
  - DS 402 Smooth
- Dark Walnut 1802
  - DS 716 Textured
  - Mahogany Finish
- Teak 2601
  - DS 716 Textured
  - Mahogany Finish
- National Walnut 1806
  - DS 706 Textured
  - Mahogany Finish
- Red Oak
  - Spanish Cedar
  - Western Red Cedar
  - Douglas Fir
  - White Maple

*Stock anodized finishes are available at an additional cost.

Please Note:
Depending upon color selection, extra cost and lead times may apply for all finishes other than Solar Innovations® stock standards. Color illustrations are shown as accurate as standard photography and printing processes allow. Final finish selection should be made from a physical sample; please contact Solar Innovations® to receive samples. All 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 matches, are available; contact a Solar Innovations® sales designer for details.

### Learn More

To find out more about the features and options of our Glass Railings, visit our website at solarinnovations.com/glass-railings/