



## Hurricane Resistant Folding Glass Wall

Florida Product Approved with Impact Glass in High Velocity Hurricane Zone (HVHZ)

The NanaWall Folding System SL73 is specifically designed and engineered to perform in hurricane climates, eliminating the need for unsightly hurricane shutters.

- **NanaWall Impact Post:** Reinforced structural posts and impact rated laminated glass provide unparalleled strength.
- **Reliable Operation:** Dual stainless steel elevated running carriages within the reinforced structural posts are unaffected by track debris and lie above the water run-off level.

### Superstorm Sandy






On October 29, 2012, Long Beach, New York was hit hard by Superstorm Sandy. Despite major damage sustained by our house, the NanaWall system held firm! The glass was not broken, the frame was not damaged, and the door remained closed and secure. We were amazed!

—Jacqueline Z., Homeowner



# Higher Weather Performance (Raised) Sill




SL73

TYPE OF TEST	INWARD OPENING UNITS Approved with Impact Glass in High Velocity Hurricane Zone (HVHZ) with FL Product Approval #FL20107.1	OUTWARD OPENING UNITS Approved with Impact Glass in High Velocity Hurricane Zone (HVHZ) with FL Product Approval #FL20107.2								
 <p><b>Air Infiltration</b><sup>①</sup> Protocol TAS 202 and ASTM E-283, cfm/ft<sup>2</sup></p>	@ <b>1.57</b> psf (75 Pa): <b>0.08 to 0.30</b>	@ <b>1.57</b> psf (75 Pa): <b>0.02 to 0.14</b>								
 <p><b>Static Water Penetration</b><sup>①*</sup> Protocol TAS 202 and ASTM E-547 and E331</p>	No uncontrolled water entry @ <b>12</b> psf (570 Pa)	No uncontrolled water entry @ <b>12</b> psf (570 Pa)								
 <p><b>Structural Load Deflection</b><sup>①</sup> TAS 202 &amp; ASTM E-330: pass <i>Note that the structural test pressures were 50% higher than the design pressures.</i></p>	<p><b>DESIGN PRESSURE</b></p> <table border="0"> <tr> <td>Positive</td> <td>Negative</td> </tr> <tr> <td>@ <b>70</b> psf (3350 Pa)</td> <td>@ <b>100</b> psf (4785 Pa)</td> </tr> </table>	Positive	Negative	@ <b>70</b> psf (3350 Pa)	@ <b>100</b> psf (4785 Pa)	<p><b>DESIGN PRESSURE</b></p> <table border="0"> <tr> <td>Positive</td> <td>Negative</td> </tr> <tr> <td>@ <b>70</b> psf (3350 Pa)</td> <td>@ <b>70</b> psf (3350 Pa)</td> </tr> </table>	Positive	Negative	@ <b>70</b> psf (3350 Pa)	@ <b>70</b> psf (3350 Pa)
Positive	Negative									
@ <b>70</b> psf (3350 Pa)	@ <b>100</b> psf (4785 Pa)									
Positive	Negative									
@ <b>70</b> psf (3350 Pa)	@ <b>70</b> psf (3350 Pa)									
 <p><b>Missile Impact &amp; Cycling</b><sup>①</sup> Protocols TAS 201 &amp; 203: Pass ASTM E 1886 and E1996</p>	<p><b>WITH EITHER 7/16" SINGLE IMPACT OR 1 1/8" INSULATED IMPACT GLASS*</b></p> <p><b>DESIGN PRESSURE</b></p> <table border="0"> <tr> <td>Positive</td> <td>Negative</td> </tr> <tr> <td>@ <b>80</b> psf (3800 Pa)</td> <td>@ <b>110</b> psf (5260 Pa)</td> </tr> </table>	Positive	Negative	@ <b>80</b> psf (3800 Pa)	@ <b>110</b> psf (5260 Pa)	<p><b>WITH EITHER 7/16" SINGLE IMPACT OR 1 1/8" INSULATED IMPACT GLASS*</b></p> <p><b>DESIGN PRESSURE</b></p> <table border="0"> <tr> <td>Positive</td> <td>Negative</td> </tr> <tr> <td>@ <b>80</b> psf (3800 Pa)</td> <td>@ <b>90</b> psf (4300 Pa)</td> </tr> </table>	Positive	Negative	@ <b>80</b> psf (3800 Pa)	@ <b>90</b> psf (4300 Pa)
	Positive	Negative								
@ <b>80</b> psf (3800 Pa)	@ <b>110</b> psf (5260 Pa)									
Positive	Negative									
@ <b>80</b> psf (3800 Pa)	@ <b>90</b> psf (4300 Pa)									
 <p><b>Forced Entry Resistance</b><sup>①</sup></p>	In accordance with Protocol TAS 202, AAMA-1304 and ASTM F842 requirements +F1									

① Excerpts of results of 3 separate units of various panels and configurations tested by Architectural Testing, Inc., Fresno, CA, an independent testing laboratory in October 2009.

# Low Profile Saddle Sill

SL73

TYPE OF TEST	INWARD OPENING UNITS Approved with Impact Glass in High Velocity Hurricane Zone (HVHZ) with FL Product Approval #FL20107.1	OUTWARD OPENING UNITS Approved with Impact Glass in High Velocity Hurricane Zone (HVHZ) with FL Product Approval #FL20107.2								
 <p><b>Air Infiltration</b><sup>①</sup> Protocol TAS 202 and ASTM E-283, cfm/ft<sup>2</sup></p>	@ <b>1.57</b> psf (75 Pa): <b>0.10</b>	@ <b>1.57</b> psf (75 Pa): <b>0.11</b>								
 <p><b>Water Penetration</b><sup>①</sup> ASTM E-547 and E331 Not FL Product approval water rated</p>	No uncontrolled water entry @ <b>5.25</b> psf (250 Pa)	No uncontrolled water entry @ <b>6.00</b> psf (300 Pa)								
	<p>Subject to the following adaptations of the sill in the field by others:</p> <ol style="list-style-type: none"> <li>1. Remove the gaskets covering the inner channel.</li> <li>2. Drill weep holes through the bottom of this channel (about one 3/8" diameter weep hole per panel.)</li> <li>3. Drill weep holes through the lower front face of the sill to drain water collected (about two 3/8" diameter weep holes per panel through to the inside lower chamber.)</li> <li>4. Drill 3/8" diameter weep holes (one per panel) through the middle channel.</li> </ol> <p>Please note that due to varying site requirements and conditions, these sills will not be prepared for drainage by Nana Wall. If this drainage system is desired, we recommend that a qualified professional construct this system on the project site strictly in accordance with NanaWall instructions with good waterproofing techniques. If drain connections are not made or are not possible, unit may leak with wind driven rain.</p>									
 <p><b>Structural Load Deflection</b><sup>①</sup> TAS 202 &amp; ASTM E-330: pass</p>	<p><b>DESIGN PRESSURE</b></p> <table border="0"> <tr> <td>Positive</td> <td>Negative</td> </tr> <tr> <td>@ <b>70</b> psf (3350 Pa)</td> <td>@ <b>70</b> psf (3350 Pa)</td> </tr> </table>	Positive	Negative	@ <b>70</b> psf (3350 Pa)	@ <b>70</b> psf (3350 Pa)	<p><b>DESIGN PRESSURE</b></p> <table border="0"> <tr> <td>Positive</td> <td>Negative</td> </tr> <tr> <td>@ <b>70</b> psf (3350 Pa)</td> <td>@ <b>70</b> psf (3350 Pa)</td> </tr> </table>	Positive	Negative	@ <b>70</b> psf (3350 Pa)	@ <b>70</b> psf (3350 Pa)
Positive	Negative									
@ <b>70</b> psf (3350 Pa)	@ <b>70</b> psf (3350 Pa)									
Positive	Negative									
@ <b>70</b> psf (3350 Pa)	@ <b>70</b> psf (3350 Pa)									
 <p><b>Missile Impact &amp; Cycling</b><sup>①</sup> Protocols TAS 201 &amp; 203 ASTM E 1886 and E 1996: pass</p>	<p><b>WITH EITHER 7/16" SINGLE IMPACT OR 1 1/8" INSULATED IMPACT GLASS*</b></p> <p><b>DESIGN PRESSURE</b></p> <table border="0"> <tr> <td>Positive</td> <td>Negative</td> </tr> <tr> <td>@ <b>90</b> psf (4300 Pa)</td> <td>@ <b>90</b> psf (4300 Pa)</td> </tr> </table>	Positive	Negative	@ <b>90</b> psf (4300 Pa)	@ <b>90</b> psf (4300 Pa)	<p><b>WITH EITHER 7/16" SINGLE IMPACT OR 1 1/8" INSULATED IMPACT GLASS*</b></p> <p><b>DESIGN PRESSURE</b></p> <table border="0"> <tr> <td>Positive</td> <td>Negative</td> </tr> <tr> <td>@ <b>90</b> psf (4300 Pa)</td> <td>@ <b>90</b> psf (4300 Pa)</td> </tr> </table>	Positive	Negative	@ <b>90</b> psf (4300 Pa)	@ <b>90</b> psf (4300 Pa)
	Positive	Negative								
@ <b>90</b> psf (4300 Pa)	@ <b>90</b> psf (4300 Pa)									
Positive	Negative									
@ <b>90</b> psf (4300 Pa)	@ <b>90</b> psf (4300 Pa)									

① Excerpts of results of 3 separate units of various panels and configurations tested by Architectural Testing, Inc., Fresno, CA, an independent testing laboratory in October 2009.



Explore our opening glass wall product families:



Folding



Sliding



Frameless



Minimal Sliding

- NanaWall opening glass walls are available factory direct through local architectural design representatives across North America. Our Certified Installation Network option ensures correct installation with speed and precision.
- From design to installation—we're here to help. Our Dedicated Design Team can answer your questions and assist with planning, ordering and optimizing your NanaWall options.

## THE ONE AND ONLY NANAWALL

NanaWall has reinvented the category of opening glass wall systems. Throughout our 30-plus-year history, we have earned the trust of architects, builders, design professionals and homeowners. As a solutions provider, we reimagine the ways in which buildings, people and the elements interact.

*Visit our showrooms and try a NanaWall for yourself.*

**NanaWall**<sup>®</sup>  
Boundaries **Unbound**<sup>®</sup>

Nana Wall Systems, Inc.  
100 Meadowcreek Drive #250  
Corte Madera, CA 94925

800 873 5673  
415 383 3148  
Fax 415 383 0312

info@nanawall.com  
nanawall.com