



GENERATION ™

Folding Glass Walls by NanaWall



WHY NANAWALL?

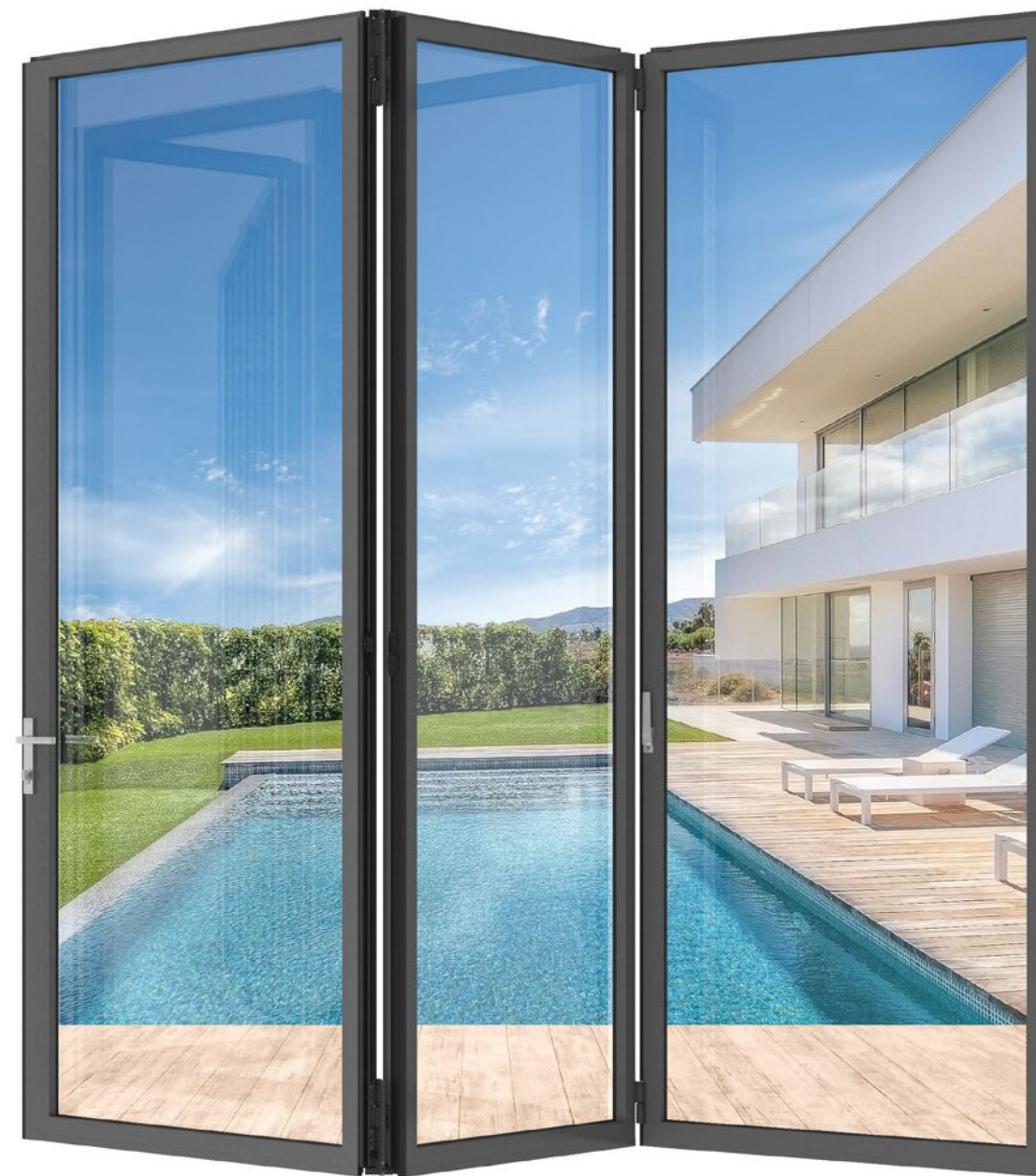
NanaWall first transformed the opening glass wall industry four decades ago. The NanaWall brand represents relentless innovation, continually creating breakthroughs that not only improve their products but also shape residential and commercial space.

Made by Originals, for Originals.

WHY GENERATION 4?

Generation 4 Folding Glass Walls by NanaWall product line provides a transformative combination of streamlined design and elevated performance. Boasting features far beyond those of other walls, Generation 4—available in aluminum, wood, and clad—offers stunningly thin profiles, extraordinary energy efficiency, flexibility never seen before, and an operation so smooth and effortless that it could only have come from NanaWall.

Generation 4 systems let you reimagine the relationship between built spaces and nature.



GREAT LANDSCAPE ART

deserves a frame to match.

Generation 4 Folding Glass Walls by NanaWall pair the industry's slimmest profiles with stronger weather performance, ease of operation, and field-tested security—delivering a transformational product that keeps you comfortable in all climates and seasons.

NEXT LEVEL AESTHETICS

with Industry's Slimmest Frame Profiles
Across the Complete Product Line



ALUMINUM



WOOD



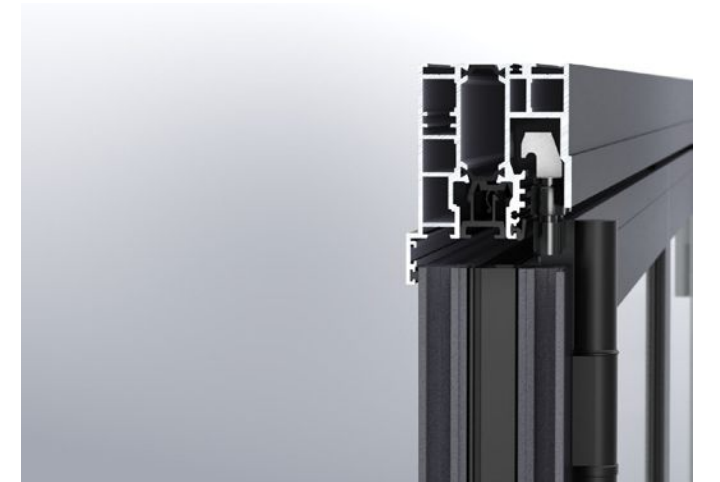
CLAD





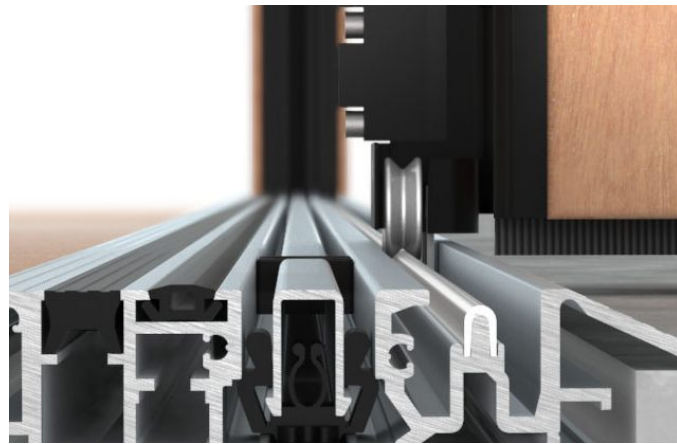
UNPRECEDENTED FLEXIBILITY

and Even Wider Openings with
Floating Panel Sets Made Possible
by Proprietary Anti-Tilt Feature



FRITIONLESS, SMOOTH

Floor Supported Operation
with Gothic Arch Stainless
Steel Rollers





GENERATION 4

is a comprehensive family of folding glass walls comprised of eight different systems.

Generation 4 offers architectural design solutions to transform residential and commercial spaces from the ground floor up to the rooftop for both interior and exterior applications. All systems are created on the same Generation 4 foundation with consistent features across all materials—aluminum, wood, and aluminum clad.



GENERATION 4 PRODUCT LINE UP – ALUMINUM

NW ALUMINUM 640

NW Aluminum 640 offers the industry's slimmest profile providing maximum transparency with a sleek, minimal aesthetic.

- Thermally Broken System Delivers Exceptional Energy Efficiency
- Intersection of Two Folding Panels Is 3 7/8" (99 mm)
- Floor Supported Panels Capable of Heights Up to 10' 2" (3100 mm)

NW ALUMINUM 840

NW Aluminum 840 offers the industry's slimmest profile providing maximum transparency with superior thermal performance and taller heights.

- Our Most Energy Efficient Thermally Broken System
- Intersection of Two Folding Panels Is 3 7/8" (99 mm)
- Floor Supported Panels Capable of Heights Up to 11' 6" (3500 mm)







GENERATION 4 PRODUCT LINE UP – WOOD AND ALUMINUM CLAD

NW WOOD 540

NW Wood 540 offers the industry's slimmest, sustainably harvested, premium wood profile providing maximum transparency with a rich, beautiful aesthetic.

- Quadruple Laminated, Cross-Grained, Narrow Wood Frame Delivers Exceptional Energy Efficiency
- Intersection of Two Folding Panels is 5 11/16" (144 mm)
- Floor Supported Panels Capable of Heights Up to 9' 10" (3000 mm)

NW CLAD 740

NW Clad 740 offers the industry's slimmest, sustainably harvested, premium wood profile with durable aluminum cladding on the exterior to provide maximum transparency with a warm yet contemporary aesthetic.

- Clip-On Cladding Technology, Solid Wood Core, and Narrow Clad Frame Delivers Exceptional Energy Efficiency
- Intersection of Two Folding Panels is 5 13/16" (148 mm)
- Floor Supported Panels Capable of Heights Up to 9' 10" (3000 mm)





GENERATION 4 PRODUCT LINE UP – ALUMINUM REINFORCED FOR MIDRISE AND HIGH-RISE APPLICATIONS

NW REINFORCED 647

NW Reinforced 647 offers slim aluminum reinforced profiles providing midrise buildings with maximum transparency and an energy-efficient, clean aesthetic.

- Thermally Broken System Engineered to Meet Higher Windload Requirements of Taller Buildings
- DP of +/-70 psf and CW-PG35 Rating
- Floor Supported Panels Capable of Heights Up to 10' 2" (3100 mm)

NW REINFORCED 847

NW Reinforced 847 offers slim aluminum reinforced profiles providing midrise and high-rise buildings with maximum transparency and an energy-efficient, clean aesthetic, and taller heights.

- Thermally Broken System Engineered to Meet Higher Windload Requirements of Taller Buildings
- DP of +/-85 psf and CW-PG55 Rating
- Floor Supported Panels Capable of Heights Up to 11' 6" (3500 mm)





GENERATION 4 PRODUCT LINE UP – ALUMINUM AND WOOD ACOUSTICALLY-RATED FOR INTERIORS

NW ACOUSTICAL 645

NW Acoustical 645, an interior system, offers the industry's slimmest profile providing maximum transparency and superior acoustical control with values up to a unit STC 45 with a sleek, minimal aesthetic.

- Thermally Broken System Delivers Exceptional Acoustical Performance Up to Unit STC 45
- Intersection of Two Folding Panels Is 3 7/8" (99 mm)
- Award Winning, Floor Supported Panels Capable of Heights Up to 11' 6" (3500 mm)

NW ACOUSTICAL 545

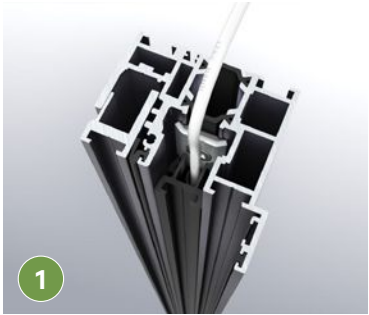
NW Acoustical 545, an interior system, offers the industry's slimmest sustainably harvested, premium wood profile providing maximum transparency and superior acoustical control with values up to a unit STC 41 with a beautiful, warm aesthetic.

- Quadruple Laminated, Cross-Grained Wood Frame Delivers Exceptional Acoustical Performance Up to Unit STC 41
- Intersection of Two Folding Panels is 5 11/16" (144 mm)
- Floor Supported Panels Capable of Heights Up to 9' 10" (3000 mm)



WHAT SETS GENERATION 4 APART

Shown: NW Aluminum 640 (1L 4LR Outswing). Inswing configurations available. A swing panel at the end of an odd chain of panels is possible.



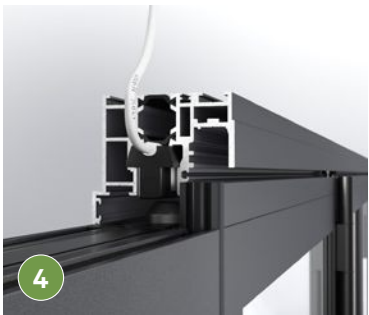
Streamlined Surfaces
A special multipurpose frame insert enhances aesthetics, by enabling all frame attachment points to be hidden—and provides a space where businesses and residences can conceal cable routing for security and lighting.



Consistent Alignment Over Time
Our unique, patented width adjustment feature maintains consistent seal compression, while guarding against minor alignment problems caused by building settling.



Greater Flexibility and Unlimited Widths
FourFold and SixFold Panel Sets move and stack to an opening's left, right, or center—adding more convenience for operators, and enabling widths beyond those of other bifold doors.



A New Option for Security
For state-of-the-art security, lock monitoring with Reed contacts is available with specialized magnetic locking rod end caps to create an open or closed loop for the home security system supplied by others.



Sleek, Ultra-Contemporary Look
Our patented and concealed TwinX® adds structural reinforcement in between the panels while eliminating the need for mid-level hinges.



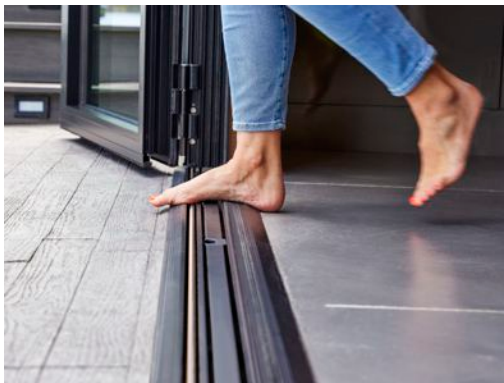
Maximum Transparency and Security
Generation 4 walls feature the slimmest panels in the industry. Our exclusive, patented Bionic Turtle® technology provides an insulating thermal break within the frame, adding extra comfort and energy efficiency. It also furnishes a concealed channel that houses locking rods—adding security and enabling slimmer profiles.



Transition with Enhanced Safety
Five sill options with removable inserts eliminate the concern of high-heeled shoes getting caught in tracks. In addition, our Flush and Low Profile Saddle sills are ADA-compliant (and easier on bare feet).



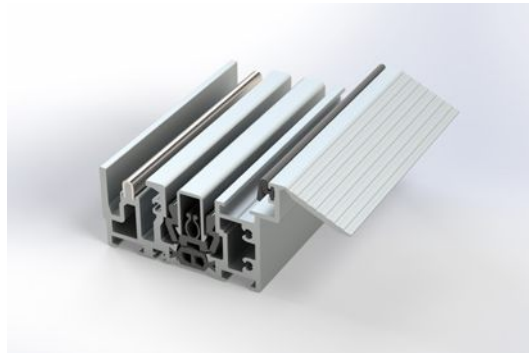
Taking Smooth Operation to the Next-Level
By reducing friction, our highly-advanced Gothic Arch Roller System enables panels to slide open and closed by anyone—smoothly, quickly, and effortlessly. Simultaneously, Floor Supported Technology reduces the need to modify headers on top.



GENERATION 4 SILL OPTIONS

A Sill for Every Environment

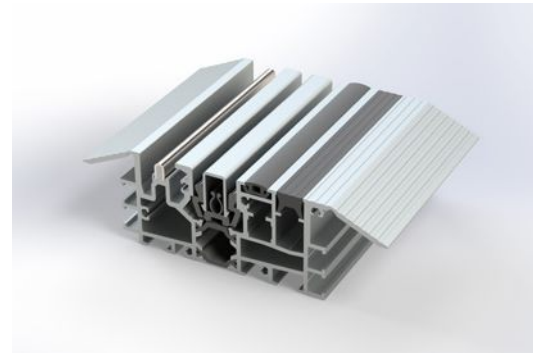
Water Rated, Barefoot-Friendly, High
Heel Resistant, and ADA-Compliant Sills



Hybrid

(outswing shown, inswing available)

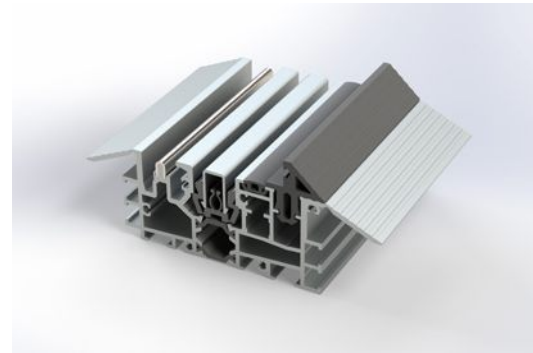
- For the Most Demanding Environments
- Water Rated to 9 psf (450 Pa)



Low Profile Saddle

(outswing shown, inswing available)

- The Only Water Rated and ADA-Compliant Sill
- Water Rated to 5.43 psf (260 Pa). (Weepholes by others needed)



Low Profile Saddle with UniverSILL® Insert

(outswing only)

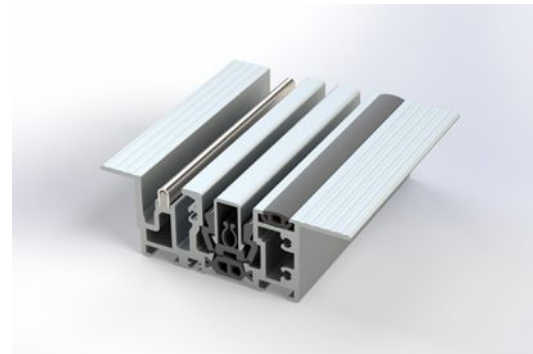
- For Enhanced, Seasonal Weather Protection
- Water Rated to 7.5 psf (360 Pa) (Weepholes by others needed)



Low Profile Raised

(inswing only)

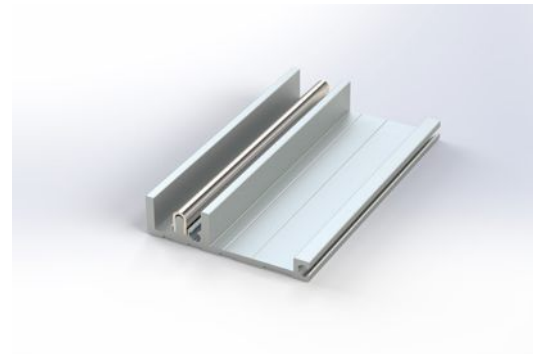
- Suitable for Window Applications
- Water Rated to 9 psf (450 Pa)



Flush

(outswing shown, inswing available)

- Suitable for ADA-Compliant Interior Transitions



Minimal Surface Mounted Flush

(non-thermally broken / outswing shown, inswing available)

- Designed Specifically for Interiors for Minimal ADA-Compliant Transitions



DESIGN OPTIONS

Standard 50 Finishes for Aluminum and Clad Systems

50 standard colors are available in powder coat and anodized finishes. Contact NanaWall for other finish options.
For accurate color swatch examples, please request our Powder Coating Finish Options brochure.

STANDARD POWDER COAT OPTIONS



Custom Color Matching Available

Hardware Options

Standard hardware shown. Please contact NanaWall for other commercial locking and hardware options.



Black Titanium Stainless Steel

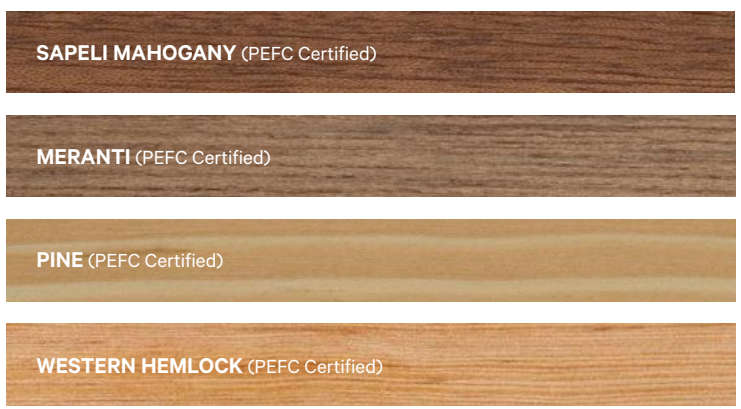


Brushed Satin Stainless Steel



Wood and Clad Systems Finish Options

Standard woods include Sapeli Mahogany, Pine, Meranti, and Western Hemlock. Contact NanaWall for other wood options.
For accurate wood representation, please request a wood sample.





SLIMLINE STEEL EFFECT

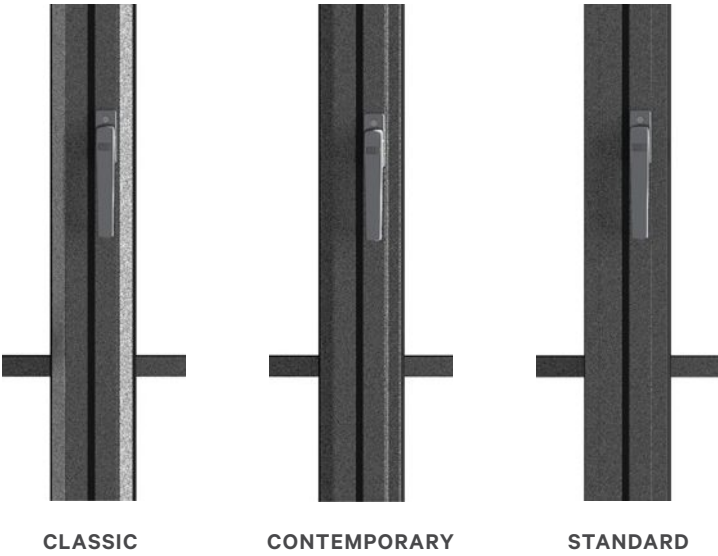
With the slim nature of Generation 4 products, NW Aluminum 640 / 840 can be customized with popular DB colors or Jet Black for a truly classic steel look while benefiting from the superior performance of an aluminum folding glass wall. Simulated divided lites can be specified in patterns of your choice.

DESIGN OPTIONS

Simulated Divided Lites Specified to Your Design

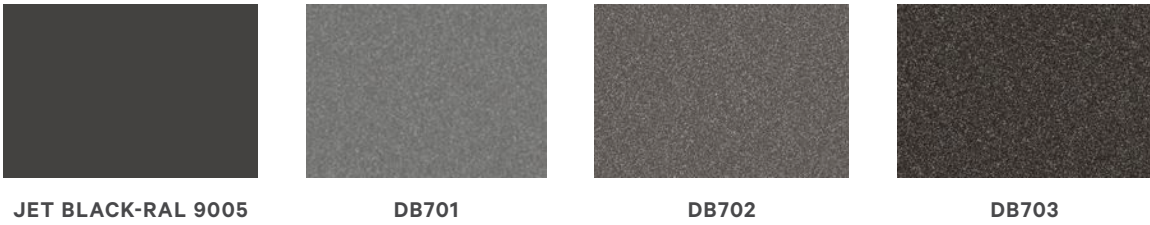


3 Glass Stop Options



Powder Coat Options

Choose from Jet Black or DB colors for a truly classic steel look. DB finishes include mica pigments that offer reflective, pearlescent, metallic values with a fine matte texture.



PRODUCT
COMPARISON

| | Max Panel Width | Max Unit Height with Swing Panel (*without swing panel) | Slimmest Profiles | Inswing or Outswing | FourFold/SixFold Panel Sets | Open Corner, Window/Door Combination |
|---------------------------------------|-----------------|---|----------------------|------------------------|--------------------------------|--|
| NW Aluminum 640 | 3' 3" | 10' 2" | 3 7/8" (99 mm) | yes | yes - unlimited | yes |
| NW Aluminum 840 | 3' 7" | 10' 2" / 11' 6" * | 3 7/8" (99 mm) | yes | yes - unlimited | yes |
| NW Wood 540 | 3' 3" | 9' 10" | 5 11/16" (144 mm) | yes | yes - unlimited | yes |
| NW Clad 740 | 3' 3" | 9' 10" | 5 13/16" (148 mm) | yes | yes - unlimited | yes |
| NW Reinforced 647 | 3' 3" | 10' 2" | 5 1/4" (133 mm) | yes | yes - one set | |
| NW Reinforced 847 | 3' 7" | 10' 2" / 11' 6" * | 5 1/4" (133 mm) | yes | yes - one set | |
| NW Acoustical 645 (Interiors Only) | 3' 3" | 10' 2" / 11' 6" * | 3 7/8" (99 mm) | yes | yes - unlimited | yes |
| NW Acoustical 545 (Interiors Only) | 3' 3" | 9' 10" | 5 11/16" (144 mm) | yes | yes - unlimited | yes |

| Sill Options | U-Values ^① (Triple Low E/Double Low E) (Hybrid Sill Results Shown) | Air Infiltration, Water Penetration with Hybrid Sill ^② | Air Infiltration, Water Penetration with Low Profile Saddle Sill ^② | Swing Panel 500,000 Cycles, Whole Unit 20,000 Cycles ^② | Acoustical Performance ^② |
|--|---|---|---|--|--|
| Hybrid Low Profile Saddle UniverSILL Low Profile Raised | 0.24 / 0.34 | 0.03 9 psf | 0.12 5.43 psf | yes | Up to Unit OITC 37 |
| Hybrid Low Profile Saddle UniverSILL Low Profile Raised | 0.20 / 0.31 | 0.04 9 psf | 0.12 5.43 psf | yes | Up to Unit OITC 37 |
| Hybrid Low Profile Saddle UniverSILL Low Profile Raised | 0.19 / 0.29 | 0.06 9 psf | 0.11 5.43 psf | yes | Up to Unit OITC 37 |
| Hybrid Low Profile Saddle UniverSILL Low Profile Raised | 0.20 / 0.29 | 0.06 9 psf | 0.12 5.43 psf | yes | |
| Hybrid Low Profile Saddle UniverSILL Low Profile Raised | 0.24 / 0.34 | 0.03 9 psf | 0.11 5.43 psf | yes | |
| Hybrid Low Profile Saddle UniverSILL Low Profile Raised | 0.20 / 0.31 | 0.03 9 psf | 0.11 5.43 psf | yes | |
| Minimal Flush Flush | | | | yes | Up to Unit STC 45 |
| Minimal Flush Flush | | | | yes | Up to Unit STC 41 |

Visit NanaWall.com for structural load, forced entry, and operational force testing results as well as Florida product approval numbers.

① Thermal performance is rated, certified, and labeled according to NFRC 100 + 200.
② Air, water, cycling, and acoustical performance are independently tested. Select performance values shown. Visit NanaWall.com for more details.

THE ONE AND ONLY NANAWALL

At NanaWall, design is as much about how it looks as how it works. For over 35 years, we have been leading the industry in developing and refining our opening glass walls to create solutions that visually harmonize with space, transform the architectural experience, and provide decades of enduring performance.



NanaWall[®]
Boundaries **Unbound**[™]

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

©2023 NANA WALL SYSTEMS, INC. Nana Wall Systems reserves the right to change specifications without notice. Testing results vary. See the NanaWall Architectural Binder for actual test data. NanaWall, the NanaWall logo, the Generation 4 logo, UniverSILL and the UniverSILL logo are trademarks of Nana Wall Systems, Inc. Bionic Turtle and TwinX are registered trademarks of Solarlux GmbH. r1-0823

SOLARLUX[®]
technology