



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.

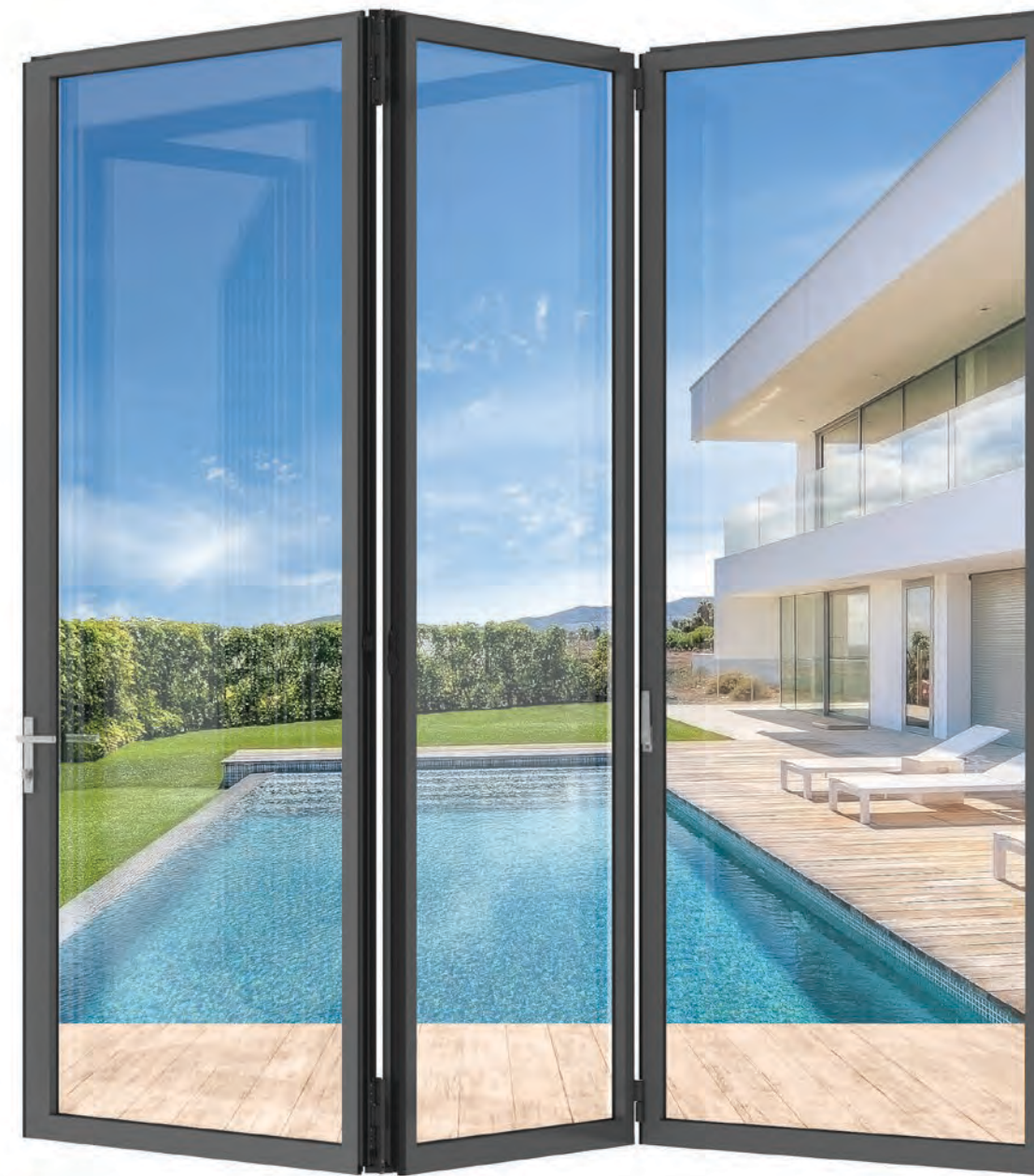
Made by Originals, for Originals.

## 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

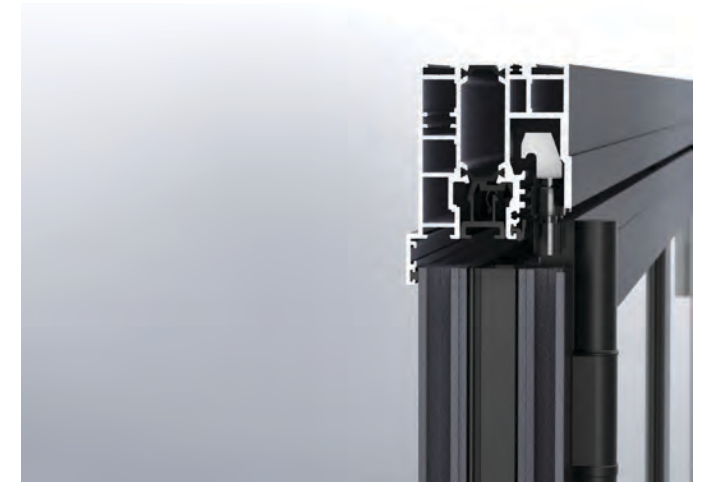






## UNPRECEDENTED FLEXIBILITY

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)





ARCHITECT: Carlton-Edwards | DESIGNER: Mrs. Paranjape | PHOTO: Native House Photography





**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**  
Four 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

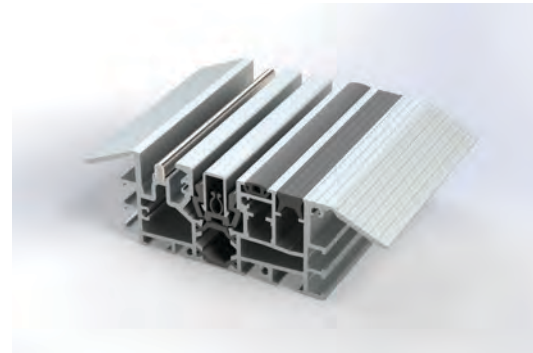
Water Rated, Barefoot-Friendly, High  
Heel Resistant, and ADA-Compliant Sills



### Performance

*(outswing shown, inswing available)*

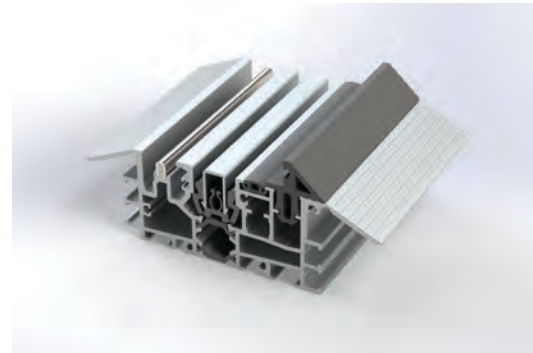
- For the Most Demanding Environments
- Water Rated to 9 psf (450 Pa)



### Low Profile Saddle

*(outswing shown, inswing available)*

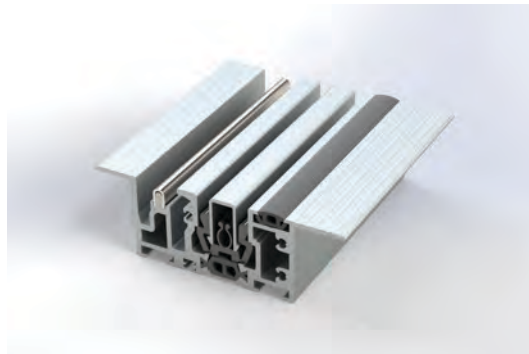
- The Only Water Rated and ADA-Compliant Sill
- Water Rated to 5.43 psf (260 Pa).  
(Weepholes by others needed)



### Low Profile Saddle with UniverSILL® Insert

*(outswing only)*

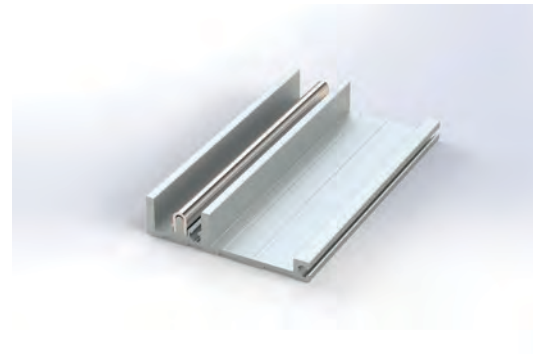
- For Enhanced, Seasonal Weather Protection
- Water Rated to 7.5 psf (360 Pa)  
(Weepholes by others needed)



### Flush

*(outswing shown, inswing available)*

- Suitable for ADA-Compliant  
Interior Transitions



### Surface Mounted Flush

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

- Designed Specifically for Interiors  
for Minimal ADA-Compliant Transitions



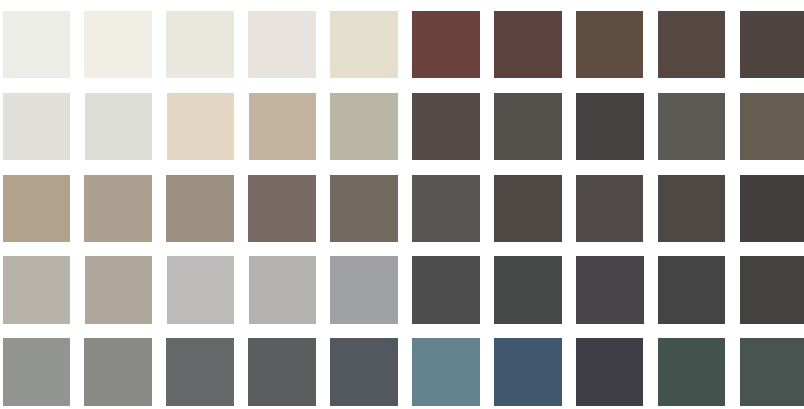


# DESIGN OPTIONS

## 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, Western Hemlock, and Red Grandis. 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 SE colors 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



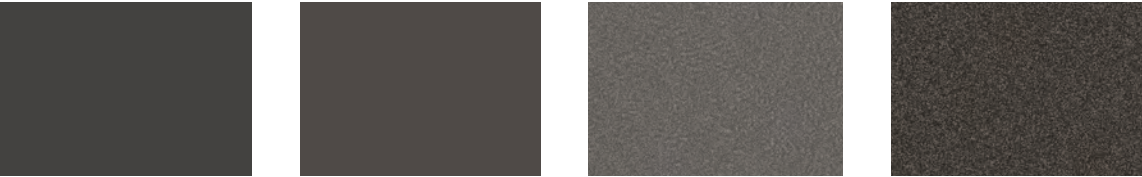
3 Glass Stop Options



CLASSIC      CONTEMPORARY      STANDARD

## Powder Coat Options

For a classic steel look, SE (Steel Effect) colors are available with a fine matte texture. Contact NanaWall for additional options.



SE BLACK      SE CLASSIC BRONZE      SE 702      SE 703



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 <sup>①</sup> (Triple Low E/Double Low E) (Performance Sill Results Shown)	Air Infiltration, Water Penetration with Performance Sill <sup>②</sup>	Air Infiltration, Water Penetration with Low Profile Saddle Sill <sup>②</sup>	Swing Panel 500,000 Cycles, Whole Unit 20,000 Cycles <sup>②</sup>	Acoustical Performance <sup>②</sup>
Performance Low Profile Saddle UniverSILL	0.24 / 0.34	0.03 9 psf	0.12 5.43 psf	yes	Up to Unit OITC 37
Performance Low Profile Saddle UniverSILL	0.20 / 0.31	0.04 9 psf	0.12 5.43 psf	yes	Up to Unit OITC 37
Performance Low Profile Saddle UniverSILL	0.19 / 0.29	0.06 9 psf	0.11 5.43 psf	yes	Up to Unit OITC 37
Performance Low Profile Saddle UniverSILL	0.20 / 0.29	0.06 9 psf	0.12 5.43 psf	yes	
Performance Low Profile Saddle UniverSILL	0.24 / 0.34	0.03 9 psf	0.11 5.43 psf	yes	
Performance Low Profile Saddle UniverSILL	0.20 / 0.31	0.03 9 psf	0.11 5.43 psf	yes	
Surface Mounted Flush Flush				yes	Up to Unit STC 45
Surface Mounted 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

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

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technology