Single Track Sliding Glass Walls
One Head Track, One Floor Track or Trackless

NanaWall
The Leader in Opening Glass Walls
Why NanaWall Single Track Sliding Systems

**NanaWall Defines the Single Track Sliding Glass Wall**
The NanaWall Single Track Sliding Glass Wall offers unique design options far beyond those of a multi-track sliding door system. Unlimited spans of individual top-hung panels glide open or closed—all riding within a single narrow header over a single floor track.
- The single track design produces a clean sweep of panels that easily navigate multiple angle changes up to 90° and may be stacked virtually anywhere.
- Single track end-to-end closure means secure, rattle and draft free weather protection in the most demanding environments.

**Total Design and Layout Flexibility**
The NanaWall Single Track Sliding Glass Wall goes where no other operable glass wall has gone before. Take it around multiple corners, through sweeping segmented curves, bypass columns and circumvent structural obstacles.
- Very long continuous spans of panels are possible and easy to operate because the unlocked panels are moved independently and glide effortlessly on precision engineered NanaWall hardware.
- Panels will follow the head track beyond the frame of the opening to one or more stacking bays.
- Unattached panels mean easy one-by-one operation with options for partial openings.

**One Head Track, One Floor Track or Trackless**
The NanaWall Single Track Sliding Glass Wall may be installed with no floor track for a seamless transition between indoor and outdoor spaces. Secure multi-point locks engage with the turn of a handle sending concealed locking rods into individual adjustable floor sockets or the locking receivers in our custom ADA approved saddle sill.
- No “train station” effect from multiple floor tracks
- No need to engineer an extra-wide header

**Swing Entry Doors that Disappear with the Panels**
The NanaWall Single Track Sliding Glass Wall offers the option of convenient swinging entrance/egress doors anywhere within the span of the panels.
- Create a wide inviting glass storefront with sturdy commercial grade entrance doors—all of which can completely disappear for unobstructed shopper access.
- The swing doors slide away with the rest of the panels when the unit is opened.
- A pair of swing panels together creates a French door effect.

**Weather Protection, Performance and Durability**
Every NanaWall system is backed by over 25 years of research, system improvement and stringent independent testing resulting in unsurpassed durability in all-weather environments and exceptional long-term performance.
- NanaWall’s test results for wind, water and sound penetration, forced entry and impact, thermal performance and structural load facilitate choosing a system that meets or exceeds design specifications and ensures trouble free operation.
- End-to-end interlocking panels create a streamlined look and a weather resistant seal.

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**opposite page**
A beautiful view is opened to the entire restaurant by sliding the NanaWall HSW60 (swing entrance doors included) into the parking bay to the right.

Shadows on the Hudson Restaurant, Poughkeepsie NY
NanaWallHSW60 with entrance doors
Architect: Marshall Rosenblum Architects
Extremely Wide Openings

Boise State Stadium, Boise ID
NanoWall Aluminum Framed HSW60
325-foot wide opening

A single track supports very long continuous spans of panels that are moved independently and glide effortlessly on precision engineered NanoWall hardware. Stacking in multiple bays located away from the opening in convenient closets maximizes prime front row seating space.
The number of panels is restricted only by structural constraints. Tracks can be laid to the inside or outside of structural columns, allowing sliding of the panels beyond the columns.
Private Residence, Austin TX
NanaWall Aluminum Framed HSW60
with segmented curves
Configuration or Shape

A single track can navigate multiple angle changes up to 90° for sweeping segmented curves and open corners. Panels can circumvent structural obstacles, as in the case of this beautiful circular patio where the panels disappear into parking bays.
Create dramatic open corners with the NanaWall Single Track Glass Wall. Corners close securely end-to-end and the perimeter panels may include one or more entry/egress doors.

One Head Track
One Floor Track
or Trackless
Corners

Private Residence, La Jolla CA
NanaWall HSW60 with two open corners and no floor track
Architect: Sebastian Mariscal Studio

When open, all panels—including the operable doors—glide around the corners and into conveniently located stacking bays for a wide open unobstructed view.
Stack Panels Virtually Anywhere

The parking bay location can be placed virtually anywhere. Unlocked sliding panels follow the top track around corners, behind walls, inside or outside. The bay can be designed to accept panels inserted next to each other (sliding in at the same angle as the track), stacked against each other (90° angle to the track), or any angle in between.
The Trackless Option

NanaWall Single Track Sliding Glass Walls may be installed with no floor track. Particularly suited for interior applications or unconditioned spaces, the trackless panels lock securely into embedded adjustable floor sockets for a clean, undivided sweep of floor when open.

United Nations International School, New York City
NanaWall HSW60 with segment curves and no floor track
Architect: Skidmore, Owings & Merrill
Storefront System thatSlides Away

Ecole Au Coeur De Lile, British Columbia
NanoWall Aluminum Framed HSW60
with paired swing doors
Architect: McFarland Marceau Architects
Entrance door panels can be located nearly anywhere in the chain of doors and disappear along with the rest of the panels when stored.

- Entrance door panels open either inward or outward.
- Closers and panic devices may be added to the entrance door panels. ADA compliant entrances are possible (subject to local codes).
- The entrance door panels have been independently tested to 500,000 open/close cycles (AAMA 920) and meet industry operational standards (panels internally tested to 1 million cycles).

The NanaWall HSW60 offers standard storefront features such as paired swing doors with weather and forced entry resistance; however, it has the unique ability for the panels (including the entrance doors) to effortlessly slide out-of-sight into the parking bay.

When closed, the interlocking profiles create a weather-resistant and secure storefront.

Paired swing doors create a typical storefront entrance.

All panels including the entrance doors slide and stack conveniently in the parking bay.
The NanaWall HSW66 SwingSlide
Sliding Glass Walls with Center Swing French Doors

The wood framed NanaWall HSW66 SwingSlide looks and functions like a typical French door with fixed sidelights. The NanaWall difference is that both the operable doors and sidelights can slide away to create an unobstructed opening of nearly unlimited length.

Private Residence, Manitou Springs CO
NanaWall Wood Framed HSW66 SwingSlide
Weather Resistance

Unrivaled Weather Resistance

• The thermally broken sills minimize inside condensation.
• End-to-end closure with interlocking profiles and heavy-duty, double siliconized EPDM gaskets provide a tight weather seal.
• Variable interlocking profiles minimize expansion and contraction issues.
• The HSW60 and HSW66 models are NFRC Certified and can be Energy Star Certified with certain glazing options.

For the HSW60, the multi-chamber thermally broken aluminum profile includes a foam core that delivers superior humidity control and acoustic attenuation while providing a weather-resistant barrier.

One Head Track
One Floor Track or Trackless
Performance and Durability

• To ensure durability and longevity, NanaWall Systems continuously tests for wind, water, forced entry, and structural load.
• Each NanaWall is crafted with state-of-the-art oil-infused bronze rollers with intelligent tracking.
• For the HSW60, the 15/16” polyamide thermal barrier provides increased strength, superior humidity control and acoustic attenuation.

Designed to withstand tough commercial environments

NanaWall
Acoustic Performance

• Durable NanaWalls significantly reduce noise between interior spaces while still allowing supervision and access to the divided area. Exterior applications block outdoor audio distractions such as traffic and airport noise.

• NanaWalls can achieve up to STC 43 sound ratings with clear insulated, laminated glass.

• NanaWall STC results represent complete systems including frames, header, jambs and sill.
Challenge: Vertigo wanted to attract more customers by opening the interior to the outside, making it easier for customers to connect with the restaurant's ambience.

Solution: NanaWall was the only solution with one floor track on a wide curved opening. The panels stack out-of-sight in the parking bay. When closed, the panels provide a weather-resistant barrier protecting against wind, rain, snow, and cold temperatures. The multiple-point lock secures the restaurant in the off-hours.

Results: “The premise of our design was to open up the perimeter walls to increase the flow of traffic. The investment my clients made in using NanaWall increased their revenue. The restaurant is known as ‘the restaurant where the glass walls disappear.’” —Thomas Hickey, Grade Architecture and Interior Design
Project Brief: All Weather Dining

With a rich heritage that dates back to 1895, Baltusrol is considered one of the country’s premier private golf clubs. Adhering to the clubs standards is a difficult task—one that a NanaWall achieved. The patio dining area offers exceptional views of the golf course with its open Tudor Revival architecture. Baltusrol management needed a solution that would enclose the dining area during inclement weather but fully opens without disturbing the 125 year old architectural style. The NanaWall HSW60 was chosen with its main feature of sliding and stacking into a bay—out of sight.
Example Configurations and Stacking Arrangements

Below are examples for 5 or 6 panels. Unlimited panel numbers are possible. Many other stacking configurations are available. As there can be many other stacking possibilities, please submit your ideas and sketches to NanaWall for evaluation.

1. Perpendicular stacking in opening with swing panel attached to the side jamb.

2. Parallel stacking outside the opening.

3. BeyondLiftSlide Parallel stacking with extended track. Unit offset from wall opening.

3C BeyondLiftSlide Parallel stacking with extended track. Unit offset from wall opening. With swing panel attached to side jamb on other side.

3D BeyondLiftSlide Parallel stacking with extended track. Unit offset from wall opening. Segmented unit.

4. Parallel stacking outside the opening with swing panel attached to the side jamb.

5. Perpendicular stacking outside the opening with two stacking bays in tandem.

6. Perpendicular stacking outside the opening.

7B SwingSlide Center swing panels hinged offsliding panels.

7D Pair of incorporated center swing panels.

8. In tandem stacking of panels along adjacent wall.

9. Stacking outside the opening at an angle.

10. Parallel stacking within the opening with swing panel attached to the side jamb.

11. Perpendicular stacking within the opening with 90° switch for first panel only. Without a swing panel hinged to the side jamb.

12. Parallel stacking outside the opening. Without a swing panel hinged to the side jamb.
Circular Configurations

Possible Angle Option Examples

Private Residence, Mill Valley CA
NanaWall Wood Framed HSW66
with segmented curves

St. Kathryn’s Church, Hudson NH
NanaWall Wood Framed HSW66
Security
Concealed multi-point locking operates with the turn of a handle. Convenient one-handed operation shoots the concealed lockbolt up to engage the hook receiver of the adjacent panel and down to secure the panel to the floor track for a multipoint secure connection. The bottom shoot bolt has a full one-inch throw for maximum security.

Trouble Free Operation
The unique “intelligent” rollers and guide technology ensure easy, trouble-free operation of panels into the stacking bays. The self-lubricated oil-infused bronze rollers with ball bearings and stainless steel axles are engineered for longevity.

Superior Energy Performance
Multi-chamber thermally broken aluminum profiles include a foam core. This 15/16” polyamide thermal barrier provides increased strength, superior humidity control and acoustic attenuation. The thermally broken sills minimize inside condensation.

Tight Weather Seal
End to end closure with interlocking profiles and heavy duty double siliconized EPDM gaskets provide a tight, draft and rattle-free weather seal.

Main Entrance Doors Can Move Away
If desired, every sliding panel can include an incorporated single acting swing panel with an overhead door closer.

Patented Pinch Protection
The entrance doors are equipped with rounded profiles to provide pinch protection during opening and closing.

Clean Lines
The innovative profile conceals the entrance door conversion locking rods. All accessories are integrated into the system for clean lines. The locking system is easy to operate with one hand.

Elegant and Durable Hardware
The stainless steel lever handles and pull handles are durable and ensure easy operation of the entry/exit panel. Other handle shapes and finishes are available.
**NanaWall Single Track Sliding Glass Wall Design Choices**

<table>
<thead>
<tr>
<th>System</th>
<th>Frame</th>
<th>Support¹</th>
<th>Max Panel Widths/Max Frame Heights¹</th>
<th>Key Properties²</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSW60</td>
<td>Aluminum</td>
<td>Top Hung</td>
<td>up to 4’ (1220 mm) x 12’ (3660 mm)</td>
<td>Thermally broken system, incorporated swing doors possible, angle changes and segmented curves possible, unlimited range of stacking options. NFRC certified, Energy Star rated with selected glazing, STC ratings. Florida approved.</td>
</tr>
<tr>
<td>HSW66</td>
<td>Wood</td>
<td>Top Hung</td>
<td>up to 4’ (1220 mm) x 12’ (3660 mm)</td>
<td>Angle changes and segmented curves possible, unlimited range of stacking options, a swing door can be hinged off a side jamb. NFRC certified and Energy Star rated with selected glazing.</td>
</tr>
<tr>
<td>HSW66</td>
<td>Wood</td>
<td>Top Hung</td>
<td>up to 5’ (1525 mm) x 10’ (3050 mm)</td>
<td>BeyondLiftSlide is ideal for pocket solutions, a swing door can be hinged off a side jamb. NFRC certified and Energy Star rated with selected glazing. STC ratings for HSW60. (see concept 3, page 20)</td>
</tr>
<tr>
<td>HSW66</td>
<td>Aluminum</td>
<td>Top Hung</td>
<td>up to 4’ (1220 mm) x 10’ (3050 mm) for sliding panels up to 3’3” (1000 mm) x 10’ (3050 mm) for swing panels</td>
<td>SwingSlide is a single track slider with center swing doors. NFRC certified, Energy Star rated with selected glazing. (See concept 7B, page 20)</td>
</tr>
<tr>
<td>VSW35</td>
<td>Aluminum</td>
<td>Top Hung</td>
<td>3’3” x 8’6” – 3’11” x 7’10” (1000 mm x 2600 mm) (1200 mm x 2400 mm)</td>
<td>Ideal for pocket solutions—a swing door can be hinged off a side jamb.</td>
</tr>
</tbody>
</table>

¹Maximum size depends on the combination of panel height, width and glazing. Consult Nana Wall Systems with your size requirements. ²As many factors—such as system, size of panels, direction of swing, configurations, type of sill, etc—can affect performance, please contact Nana Wall Systems for detailed best results. With horizontal mullions.

**Finishes for Aluminum Systems**
Over 200 colors are available in powder coat and anodized finishes for our aluminum systems. Custom matched colors and simulated wood effects are also available.

**Wood Options**
Choice of douglas fir, pine, western hemlock, meranti, oak and other selected woods.

**Hardware Options**
Standard handle and locking hardware is compatible with a wide array of commercially available sets to match any design style. Custodial hardware is available and swing panels may be fitted with panic hardware by others.

**Sill Options**
With the weight carried by the top track, the U-channel in the recessed floor track may be filled with a rubber gasket to eliminate tripping hazards yet still allow for locking rods to engage. For certain applications, sills can be eliminated completely creating a seamless transition between two spaces. Concealed locking rods engage in adjustable floor sockets when the sill is eliminated.

Please consult with local building officials for compliance to ADA entrance requirements.
About NanaWall

NanaWall Systems provides operable glass wall systems for large architectural openings. NanaWalls are used in commercial and residential buildings for interior and exterior applications. The broad scope of the NanaWall product line offers the design professional unequalled freedom of choice and innovative design options. Every NanaWall is a single-source product with components designed, produced and assembled as a complete system of unparalleled quality and performance.

With over a million opening glass panels installed worldwide and 25 years of experience, NanaWall is the recognized industry leader trusted by architects, design professionals and owners alike to provide opening glass wall systems with countless style options, unsurpassed durability and superior performance—all based on a foundation of testing, research and innovation.

NanaWall Systems is located in Marin County, California with design studio & showroom locations across North America. Our nationwide network of certified installers and service technicians ensure your custom-made NanaWall is properly installed. NanaWall is the exclusive North American partner of Solarlux Germany, the world leader in operable glass wall technology.