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Demountable Walls and Pods

DESIGN & BUDGET GUIDE

Learn why demountable office walls and office pods are a great investment for flexible, future-proof spaces.

 RED THREAD



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Why Demountable Walls?

Demountable walls, also known as movable walls are architectural products used to construct enclosed environments.

They can be detached from their ceiling and floor tracks and moved to another location.

They eliminate the mess and disruption of traditional construction while remaining reusable and reconfigurable for future changes to your work environment.

Here are the **top 6 reasons** to consider demountable walls:



Privacy

Provides people with the level of visual and acoustical privacy they need to concentrate, have closed conversations, or collaborate without disrupting the rest of the facility.



Work Zones

Movable walls help to create a flexible ecosystem of zones to support employee wellbeing and foster engagement.



Technology

Provides workers with the technology their work requires and allows change as their needs change or as new technology becomes available.



Sustainability

Wall systems are constructed of recycled, low-emitting materials (eliminating harmful PVCs, VOCs, and off-gassing). The product is 100% reusable, and at the end of its life, it is recyclable. Wall systems also contribute to LEED certification. Hydro Circal Low Carbon Aluminum (2.3kgCO₂/1 kg Al) is available with PurOptima systems.



Flexibility

Maximizes the ease of reconfiguration and re-use of the components to adapt to changes in business needs



Efficiency

Demountable wall systems are fast and cost effective. Compared to traditional construction, they take less time to install or reconfigure, and minimize downtime, dust, noise and disruptions.

Glossary of Terms

As you move throughout the Guide, you may see some terms you are not familiar with. This handy glossary of terms will help you better understand the nuances of these solutions and converse more easily with your general contractor, architect, designer or vendor.

Basic Terms

Linear foot

A 12-inch measurement of length in a straight line. When specifying demountable walls, the number of linear feet is calculated rather than cubic feet.

Profile

The profile refers to the height of the base trim, typically between 7/8" and 4". Lower profiles create more open and transparent aesthetics.

Skin

A skin is an outer surface that is applied to the frame of a demountable wall. Because skins are separate from the structure, they can be segmented differently on opposite sides of the wall. Skins can be removed and changed out for another material. A skin can be painted steel, fabric-wrapped steel, laminate, veneer, wood, ceramic whiteboard, etc.

STC

STC stands for Sound Transmission Class, which rates how much sound a wall or barrier will stop.

dB (Rw) (PurOptima)

An acoustical test, that mirrors the testing regimen used with STC, although using different Hz frequencies that comprise lower frequency ranges. Balancing STC and dB (Rw) is used by acoustical consultants and engineers.

Structural Terms

Transom

A transom is a transverse horizontal structural beam or bar, or a crosspiece separating a door from a window above it.

Sidelight

A sidelight is a narrow vertical window that flanks a door or a larger window.

Glass fronts

Modular glass walls on one side of an enclosed space, used in combination with solid demountable wall panels on the other sides, or traditional drywall. Glass fronts can be more cost effective than traditional glazing.

Deflection Head and Abutment (PurOptima)

Resolves deflection from building movement in the head and or abutment of the system versus within the system itself

Nebula (PurOptima)

PurOptima patented dry joint butt jointed glass solution delivering a 1.5mm gap between glass panels. Creates a streamlined appearance, installation efficiencies and adaptability within the glass panels in each system.

Pocket Door (PurOptima)

PurOptima door designed to slide into a double-glazed wall pocket.

Glazing Types

Butt glazing

An installation where the glass is joined without structural support on the vertical edges. Butt glazing is used to create larger uninterrupted spans of glass for an elegant, streamlined aesthetic.

Double glazed

Two pieces of glass separated by a vacuum. Double glazing offers superior acoustics for enclosed spaces.

Single glazed

Glass that is made up of a single pane.

Glass Types

Tempered glass

Tempered glass fractures into small, relatively harmless pieces when shattered. It is about four times stronger than regular glass.

Laminated glass

Laminated glass has an interlayer between its two or more layers – typically polyvinyl butyral (PVB) or ethylense-vinyl acetate (EVA). This interlayer holds it together when shattered, as well as offers additional acoustical benefits.

Specialty glass options

Low iron, switch glass, and acoustical laminated glass are also available.

Considerations When Choosing a Wall System

When exploring demountable wall solutions, the options can be overwhelming. There are so many factors that play into which wall will work best for your business, from how they look to how they are constructed to how much privacy they create. The chart on the next page is designed to help you evaluate demountable wall systems and choose the right option for your needs.



1. Reconfigurations

- Reconfiguring once a year → unitized system (easiest to detach and move)
- Reconfiguring once every few years → unitized or modular systems

2. Privacy

- Highly confidential environment → higher STC ratings, double glazed glass or solid panels
- Privacy but not as worried about confidentiality → single glazed systems

3. Vertical Framing Preference

- Open and transparent aesthetic with walls that appear seamless?
- Substantial, built-in look?
- Glass fronts only?
- A combination of solid panels and glass to provide privacy?

4. Technology Integration

- Flat screens for displaying content?
- Conferencing technology to connect local and remote teams?
- LED lighting to optimize the appearance of participants in video calls?
- Wall cavity access to service the technology?

5. Budget

- The sleeker and more sophisticated the solution, the more it generally costs
- Keep in mind that although demountable walls cost more up front, they provide a greater return on investment.

6. Glass Front or Glass Wall?

- Demountable wall systems can be configured as a glass front in an office opening or as a glass partition wall.
- Glass partition walls require a different approach for integration with ceiling, wall and floor trades than a traditional glass office front.

7. Adaptability

- Over the use of the demountable glass wall partition system, will there be a need to adapt wall configurations from single-glazed to double glazed or modify the type of solid surface?

8. Design Considerations

- Is there a design consideration relative to the intent of the space that may require a specific system or a custom/bespoke solution?

Wall System Comparison Chart

	Privacy Wall by Steelcase	LiteScale by Steelcase	V.I.A. by Steelcase	Everwall by Steelcase	117 Plus by PurOptima	Revolution 54 Plus by PurOptima	Revolution 100 by PurOptima
	Budget Friendly, Fast Install	Minimalist Design, Lowest Profile	Best Acoustics, Design Flexibility & Tech Integration	Great Acoustics, Design Flexibility Fastest to Install	Minimalist Design, Low Profile, Fast Install	Great Acoustics, Minimalist Design Low Profile	Best Acoustics, Design Flexibility
STC Range	STC Glass 33 STC Solid 44	Glass only STC 31 Tempered STC 33 Laminated	STC Glass 42-44 STC Solid 52-54	STC Glass 31-36 STC Solid 42-51	Maximum dB (Rw): 40 Maximum STC: 41	Maximum dB (Rw): 48 Maximum STC: 49	Maximum dB (Rw): 53 Maximum STC: 54
Height Limit	11'	10'	12'	12'	10'	10'	13' (with transom condition)
Frame Finishes	Painted or anodized, custom paint						
Solid Wall Options	Steel, markerboard, laminare	Glass only	Fabric, steel, glass, back painted glass, wood vener, laminare	Fabric, steel, glass, laminare, ceramic markerboard, wood veneer	Glass only	Glass only	Fabric, glass, laminare
Technology Integration	Surface mounted technology	None	LED lighting and monitor shroud	Surface mounted technology	Integrated tech panels		
Door Options	Butt Hinged/Pivot Swing and Slider available. Wood swing, polished edge swing, and polished edge slider				Swing or Slider with options, framed or frameless doors	Swing or Slider with options	Swing or Slider with options, Single glazed pocket door
Custom Hardware	Yes						
Glass Thickness	1/4"	1/2"	1/4" or 3/8"	1/4" or 3/8" unitized glass 3/8" or 1/2" glass kits	widths up to 9/16"		
Single or Double Glazed	Single	Single or Double	Single or Double	Single	Single	Single or Double	Single or Double
Butt Glazed	No	Yes	No	Yes			
Base Frame Depth	2-3/8"	3/4"	4"	4"	1"	2"	4"
Base Profile Height	4", 5"	1"	2-3/32"	2-3/32"	1-2" (non-deflection head)		
Deflection Head and Abutments	No				Yes		
Product Only Cost	\$430 - \$550 / LF*	\$600 - \$750 / LF*	\$900 - \$1,050 / LF*	\$550 - \$700 / LF*	\$450 - \$550 / LF*	\$550 - \$750 / LF*	\$550 - \$850 / LF*
Installation Time	1.25 hours / LF	1.5 hours / LF	2 hours / LF single glazed 2.25 hours / LF double glazed	1.1 hours / LF	1.25 hours / LF	1.5 hours / LF single glazed 2.1 hours / LF double glazed	1.5 hours / LF single glazed 2.1 hours / LF double glazed
Tolerance	Plus/minus 1/2" at the top and 3/4" at the bottom	1/4" at the top and 1/4" at the bottom	plus/minus 1-1/2" top and bottom	Plus/minus 1/2" at the top and 3/4" at the bottom	Up to 1/4" tolerances larger tolerances managed via construction methodology		

* Pricing includes product only. Laws, codes, taxes, or tariffs may impact material costs and contract pricing. Please reach out to us for a detailed quote.

Privacy Wall by Steelcase

Budget Friendly, Fast Install

Flexibility	● ● ● ● ○	Small kit of parts, fastest to install + easiest to reconfigure; 1-1/4" adjustability
Aesthetic	● ● ● ● ○	4" or 5" base profile height
Acoustics	● ● ● ● ○	44 Max STC
Technology Integration	● ● ● ○ ○	Surface-mount monitors, whiteboards
Cost	● ● ● ○ ○	\$430 - \$550 / LF*

Glazing Single-glazed

Base Frame Depth 2-3/8"

Construction Unitized construction

Installation Time 1.25 hours / LF

Advantages:

- Minimal kit of parts
- Unitized panel accelerates construction schedule
- Quick installs & reconfigurations
- First & only Cradle to Cradle Certified™ Silver relocatable wall
- Supports varied levels of visual / acoustical privacy



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LiteScale by Steelcase

Minimalist Design, Lowest Profile

Flexibility	● ● ● ○ ○	Integrates with Privacy Wall, V.I.A., 1/4" adjustability at top and bottom
Aesthetic	● ● ● ● ◐	1" base profile height, 1/2" glass; low profile components
Acoustics	● ● ● ◐ ○	39 Max STC
Technology Integration	● ◐ ○ ○ ○	In combination with Privacy Wall or VIA, can surface-mount monitors, whiteboards
Cost	● ● ● ○ ○	\$600 - \$750 / LF*
Glazing		Single glazed, double glazed, butt-glazed
Base Frame Depth		3/4"
Construction		Assembled on site
Installation Time		1.5 hours / LF

Advantages:

- Beautiful, recessive design using butt-glazing
- Slim framing elements and 1/2" thick glass
- 30'-0" maximum runs
- Reconfigurable to adapt to future changes
- Integrates seamlessly with Privacy Wall, V.I.A. and drywall
- Offers swing and sliding doors

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V.I.A. by Steelcase

Best Acoustics, Design Flexibility & Tech Integration

Flexibility	● ● ● ● ○	Customer-specific kit of parts, surface + technology flexibility; 1-1/2" adjustability
Aesthetic	● ● ● ● ◐	2-3/32" base profile height
Acoustics	● ● ● ● ●	54 Max STC; best acoustics
Technology Integration	● ● ● ● ●	Power & Data LED Lighting Embedded technology
Cost	● ● ● ● ◐	\$900 - \$1,050 / LF*
Glazing		Single and double glazed, butt-glazing on single glazed with LiteScale
Base Frame Depth		4"
Construction		Stick-built, assembled on site, parametric (to 1/32")
Installation Time		2.25 hours / LF

Advantages:

- Best acoustic performance in the market (54 Max STC for solid skins)
- Best-in-class construction
- Surface flexibility
- Seamless integration of technology
- Consistent design detail
- Sustainable choice – only BIFMA level 3 certified demountable wall

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Everwall by Steelcase

Great Acoustics, Design Flexibility, Fastest to Install

Flexibility	● ● ● ● ●	Surface flexibility; 1-1/2" adjustability. Unitized frame can be moved in one piece.
Aesthetic	● ● ● ● ●	2-3/32" base profile height
Acoustics	● ● ● ● ●	51 Max STC; excellent acoustics
Technology Integration	● ● ● ● ●	Power & Data (surface mount only)
Cost	● ● ● ○ ○	\$550 - \$700 / LF
Glazing		Single glazed, butt-glazing
Base Frame Depth		4"
Construction		Hybrid-unitized frame system
Installation Time		1.1 hours / LF

Advantages:

- Hybrid-unitized system retains the best features of unitized and stick-built systems
- One of the fastest install times in the industry
- Intuitive and predictable installation
- Design freedom
- Acoustic performance
- Sustainable choice – BIFMA level 2 certified and GreenGuard certified (the new standard)

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* Pricing includes product only

117 Plus by PurOptima

Minimalist Design, Low Profile, Fast Install

Flexibility	● ● ● ● ○	Single-glazed system with up to 1/4" tolerances
Aesthetic	● ● ● ● ●	1-2" base profile height
Acoustics	● ● ● ● ○	41 Max STC / 40 Max dB (Rw)
Technology Integration	● ● ● ◐ ○	Integrated tech panels
Cost	● ● ○ ○ ○	\$450 - \$550 / LF
Glazing		Single glazed, butt-glazing
Base Frame Depth		1"
Construction		Demountable site-erected system
Installation Time		1.25 hours / LF

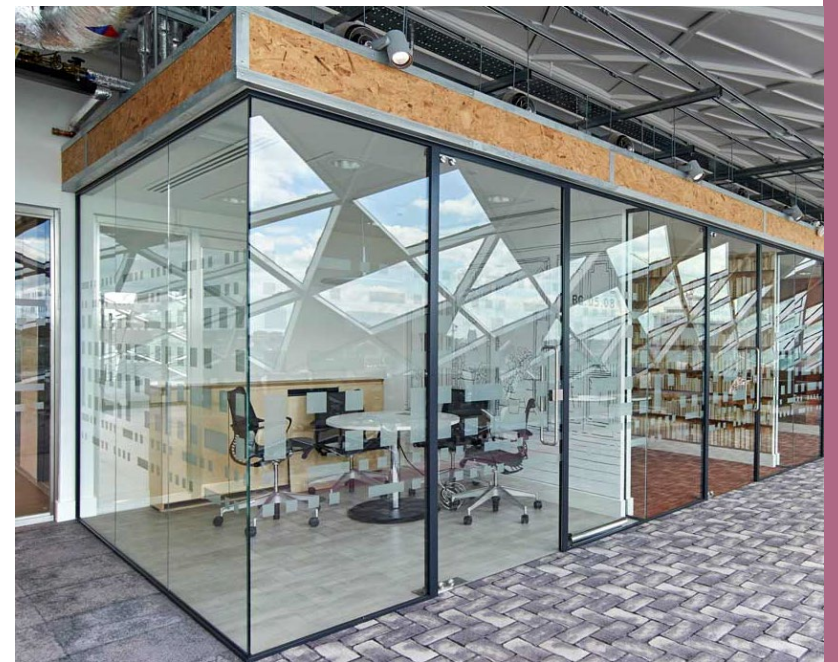
Advantages:

- Minimalistic single-glazed solution
- Shoreditch mullion system
- Acoustical testing certificates on the system & doors
- Dry jointed and fully demountable
- High-quality, low-carbon aluminum framework
- Fully integrates with Revolution 54 Plus & Revolution 100 systems
- Numerous door options

Glass Types:

- Clear Tempered
- Laminated
- Acoustical Laminated
- Curved
- Switchable
- Back-Painted
- Designer Glass
- Nebula (patented dry joint butt jointed glass solution)

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Revolution 54 Plus by PurOptima

Great Acoustics, Minimalist Design, Low Profile

Flexibility	● ● ● ● ●	Up to 1/4" tolerances.
Aesthetic	● ● ● ● ●	1-2" base profile height
Acoustics	● ● ● ● ●	49 Max STC / 48 Max dB (Rw)
Technology Integration	● ● ● ◐ ○	Integrated tech panels
Cost	● ● ● ○ ○	\$550 - \$750 / LF

Glazing Single glazed, double glazed, butt-glazing

Base Frame Depth 2"

Construction Site constructed system, doors pre-glazed

Installation Time 1.5 hours / LF single glazed
2.1 hours / LF double glazed

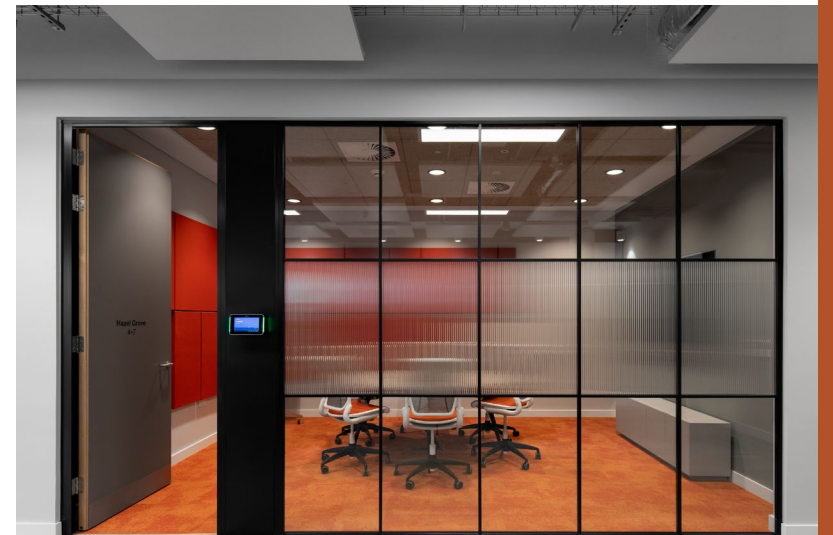
Advantages:

- 2" wide single-glazed center or offset or double-glazed solution, configurable to single or double-glazed while in use
- Shoreditch mullion system
- Acoustical testing certificates on the system & doors
- Dry jointed and fully demountable
- High-quality, low-carbon aluminum framework
- Fully integrates with PurOptima 117 Plus system
- Numerous door options

Glass Types:

- Clear Tempered
- Laminated
- Acoustical Laminated
- Curved
- Switchable
- Back-Painted
- Designer Glass
- Nebula (patented dry joint butt jointed glass solution)

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Revolution 100 by PurOptima

Best Acoustics, Design Flexibility

Flexibility	● ● ● ● ●	Up to 1/4" tolerances.
Aesthetic	● ● ● ● ●	1-2" base profile height
Acoustics	● ● ● ● ●	54 Max STC / 53 Max dB (Rw); excellent acoustics
Technology Integration	● ● ● ◐ ○	Integrated tech panels
Cost	● ● ● ● ○	\$550 - \$800 / LF
Glazing		Single glazed, double glazed, butt-glazing
Base Frame Depth		4"
Construction		Site-built system
Installation Time		1.5 hours / LF single glazed 2.1 hours / LF double glazed

Advantages:

- 4" wide single-glazed, offset or double-glazed system
- Shoreditch mullion system
- Acoustical testing certificates on the system & doors
- High acoustic mullion-free glazed or solid partition system.
- Panel options include fabric and FSC™ wood
- Dry jointed and fully demountable
- High-quality, low-carbon aluminum framework
- Numerous door options

Glass Types:

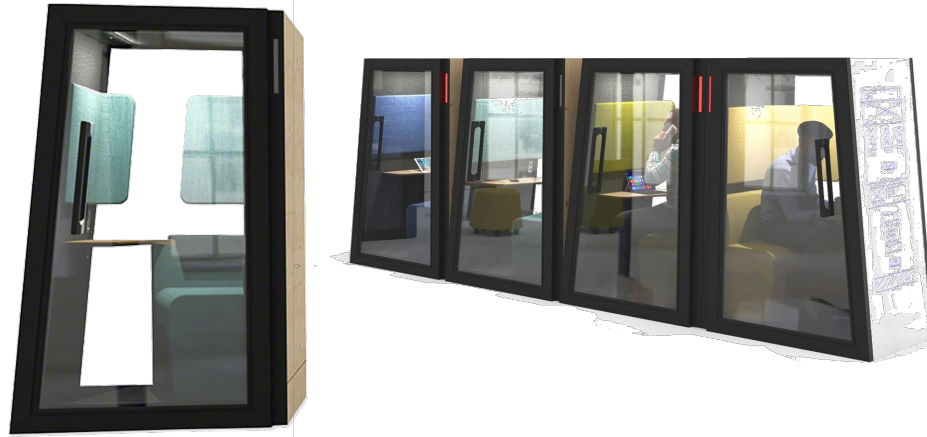
- Clear Tempered
- Laminated
- Acoustical Laminated
- Curved
- Switchable
- Back-Painted
- Designer Glass
- Nebula (patented dry joint butt jointed glass solution)

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Pods by Orangebox

Pods are drop-in solutions that offer privacy within the open plan. With sleek designs and small footprints, these stand-alone spaces offer an escape from distraction and a place where you won't disrupt your work neighbors.



Orangebox On the Qt

For when you need a 'little' privacy

Advantages:

- Encourages quick calls
- Offers more space and functionality for those needing to spend longer, more focused time inside

Sizes:

- Tall Phone Booth (86.6"H x 39.3"W x 47.2"D)
- Short Focus Booth (74.8"H x 39.3"W x 47.2"D)



Orangebox Air³

Reconfigurable, modular meeting rooms

Advantages:

- Encourages quick calls
- Offers more space and functionality for those needing to spend longer, more focused time inside

Sizes:

- Air23 (110"W x 66"D x 89"H)
- Air 25 (110"W x 117"D 89"H)
- Air 27 (110"W x 173"D x 89"H)
- Air 29 (161"W x 173"D x 89"H)

Pods by Hush Office

Pods are drop-in solutions that offer privacy within the open plan. With sleek designs and small footprints, these stand-alone spaces offer an escape from distraction and a place where you won't disrupt your work neighbors.



hushphone

The perfect space for phone calls, video conferencing and a silent retreat for uninterrupted work, offering peace, privacy and efficient conversations.



hushhybrid

HushHybrid was designed to meet the current expectations of effective work models. It is a mobile solution with built-in soft seating, LED lighting, and extendable table that provides a comfortable space for solo work, especially video conferences.



hushwork

HushWork is a new approach to individual work. It's a solution that allows you to create a dedicated space in which you can focus. Advanced acoustic solutions ensure high comfort for the user while increasing the feeling of privacy.



hushmeet

The perfect space for small meetings of up to four people, where you can collaborate, discuss confidential matters, brainstorm creatively or carry out interviews.

[Additional sizes and configurations available](#)

Organizations need to create innovative environments that inspire people to excel at work. Through integrating furniture, architectural products and audiovisual technology, holistically designed spaces can amplify engagement, enhance collaboration, increase productivity, support your brand and culture, and optimize your real estate. Let us help you revitalize and re-imagine where you work.

Learn more at red-thread.com/demountable-wall-systems

Massachusetts

BOSTON, MA

Corporate Office, Sales, Showroom
101 Seaport Boulevard, Suite 600
Boston, MA 02210
617-439-4900

WILMINGTON, MA

Sales, Warehouse, AV Lab
100 Fordham Road
Wilmington, MA 01887
617-439-4900

MARLBOROUGH, MA

Administrative Office
293 Boston Post Road West
Marlborough, MA 01752
508-449-6550

Connecticut

EAST HARTFORD, CT

Sales, Showroom
55 Hartland Street
East Hartford, CT 06108
860-528-9981

STAMFORD, CT

Sales, Showroom
700 Canal Street, Third Floor
Stamford, CT 06902
203-487-1850

NORTH HAVEN, CT

Sales, Warehouse
297 State Street, Building 4
North Haven, CT 06473
203-907-4687

Northern New England

PORTLAND, ME

Sales, Showroom
One City Center
Portland, ME 04101
207-774-4900

MANCHESTER, NH

Sales, Showroom
Center of NH Office Tower
650 Elm Street, Suite 103
Manchester, NH 03101-1160
603-668-6831

BURLINGTON, VT

Virtual Sales Office
800-635-4874



Want to see demountable walls in person?
We'd love to show you our local installations!

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