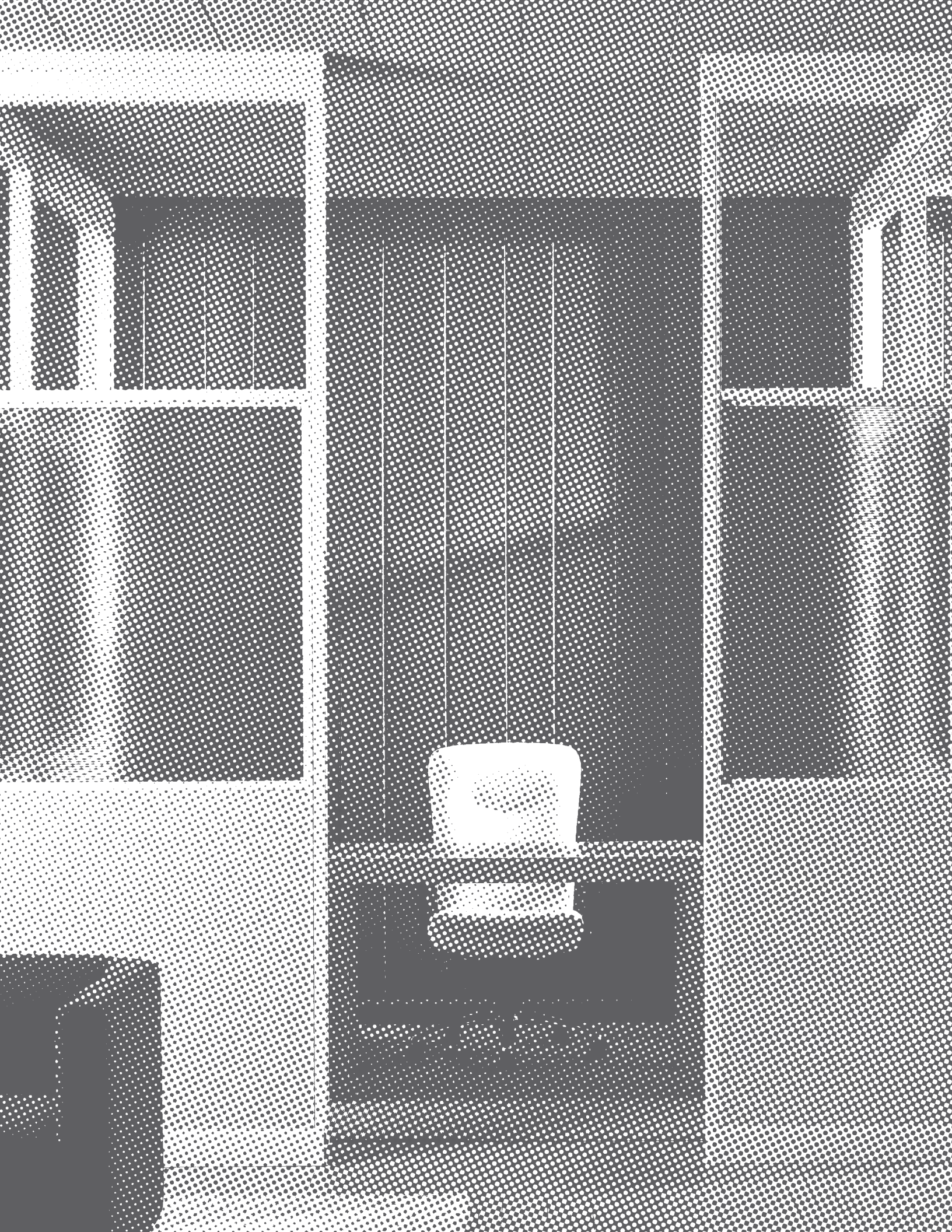


Trendway >
ARCHITECTURAL WALLS
PLANNING GUIDE





The Comprehensive Architectural Interior

Meet TrendWall, an architectural wall that will revolutionize the way you look at wall construction. TrendWall takes the shape of your evolving space by integrating with your existing architecture and furniture, and accommodating change every step of the way. TrendWall's reusability lets you create and recreate spaces within spaces, without wasting time or materials. It makes good sense for your floorplan and your business plan.

Tailor-made. On demand.

TrendWall is made to order. Doors, hardware, intricate wiring, cornice height, movable angle conditions – no matter how simple or sophisticated, we build TrendWall to suit, all within a short time frame: less than six weeks from order to installation.

Goes up with no downtime.

TrendWall panels are the easiest to install in the industry. Our prefabricated, unitized panels ship ready to install; they require only two trades versus seven for conventional drywall construction.

Acoustical privacy for increased productivity.

Workplace studies show that improved privacy directly leads to increased productivity. With TrendWall's excellent acoustic ratings, you can expect enhanced performance from your workforce – without sacrificing flexibility to your floorplan.

Change x Reuse = ROI: TrendWall's reusability reduces facility costs. In fact, if you experience an annual churn rate of approximately 20%, you can expect a full return on your investment (ROI) in as little as three years. Plan to move your walls in five years or less? Then plan on a full ROI when you move TrendWall just once. Not to mention significant savings with fewer trades and virtually no disposal costs, since you're not tearing down walls or filling up landfills.

Which Type of Wall Works Best For You?

Conventional Drywall Construction

Planning to put up walls in an empty space and never change your floorplan? Then conventional wall construction could be the choice for your business. Conventional drywall is the most common – and perhaps the most understood – type of construction. Built on site, drywall typically provides the lowest initial cost, yet the longest installation time (think: multiple subcontractors). Good project management practices are required to ensure that your walls are completed on time and within budget.

Demountable Wall Construction

If you're willing to pay more to get the job done faster with less mess, then demountable wall construction might be right for you. Demountable walls are similar to drywall with one exception: Demountable walls are pre-finished (typically in vinyl), which eliminates the need for taping, mudding and sanding seams – and speeds up installation and clean-up. When considering demountable walls, take the time to evaluate their actual flexibility and reusability. Many are progressive, meaning that they have a distinct starting point – an important factor when you want to make a change in the middle of a wall. Further, many demountable wall manufacturers claim 80-95% reusability – a percentage that may be accurate but usually not practical because dismantling renders some of the materials unusable. Carefully consider how the wall is assembled and disassembled, and have the manufacturer separate material and labor charges, before making your own determination.

Architectural Walls

What makes an architectural wall different from a demountable wall or from drywall? In a word: Unitization. Architectural walls like TrendWall are complete, pre-finished wall sections manufactured offsite. Because they ship complete, unitized wall panels install faster with fewer trades – versus drywall or demountable walls, which must be fabricated onsite. And, unlike many demountable walls, TrendWall is a non-progressive system that gives you the flexibility to remove sections without dismantling an entire run. What's more, unitized panels reconfigure with minimal labor and material loss (more than 95% reusability) and little to no downtime. Just install each TrendWall section versus disassembling and reassembling parts and pieces.

TrendWall. A whole new way to look at walls.

CONSTRUCTION TYPE	INSTALLATION	REUSABILITY	ROI
Conventional Drywall	<ul style="list-style-type: none">Fabricated onsiteTime-intensive, messy installation	<ul style="list-style-type: none">Static and not reusable	<ul style="list-style-type: none">No ROI
Demountable Walls	<ul style="list-style-type: none">Fabricated onsiteFast, clean installationTypically a progressive system – less flexible	<ul style="list-style-type: none">Movable yet complex with many parts and pieces – component damage limits reusability	<ul style="list-style-type: none">Low ROI
TrendWall Architectural Walls	<ul style="list-style-type: none">Fabricated offsite, engineered to orderFast, clean installation – two trades do the job in days, not months	<ul style="list-style-type: none">Movable and very flexible – unitized panels look and act like systems furnitureNon-progressive system – very flexible	<ul style="list-style-type: none">Moderate to high ROI, depending upon churn

Why Unitized Panels? Because they're easier and more economical to specify, install and reconfigure. Like systems furniture, unitized panels deliver ready to install and reconfigure at will. It's that simple.

TrendWall Planning (Think Weeks Not Months)

20-20 CAP Studio – Engineered

TrendWall components are fully supported for planning in AutoCAD environments. 20-20 CAP Studio lets you specify TrendWall just like you specify systems furniture.

Trendway – Engineered

- 1 Send us your floorplan in your format of choice – CAD drawing, architectural rendering, loose sketches, you name it – complete with measurements and a list of your office needs like furniture components, data communications and so forth.
- 2 We engineer TrendWall to your specifications, create a floorplan – as a layer inside your AutoCAD file or as an original drawing – and send it to you with a quote in less than one week.
- 3 Together, we work through revisions so the floorplan blueprint meets your exact specifications.
- 4 You approve your final floorplan blueprint and place your order.
- 5 We build and ship your order, and install around your schedule, all within six weeks.

100% Support

TrendWall dealers are trained professionals, so they know how to get the job done on time, on budget and always on target with your architectural plans. From planning and specifying to installation and reconfiguration, your TrendWall dealer will be your consistent link to Trendway – and a constant partner throughout the planning process.

COUNT ON YOUR TRENDWALL DEALER TO:

- Inspect your site.
- Take accurate measurements.
- Provide a customized financial analysis.
- Help maximize your floorplan.
- Assist with your electrical and data planning.
- Tackle the finishing touches like trim, doors, closets and components.

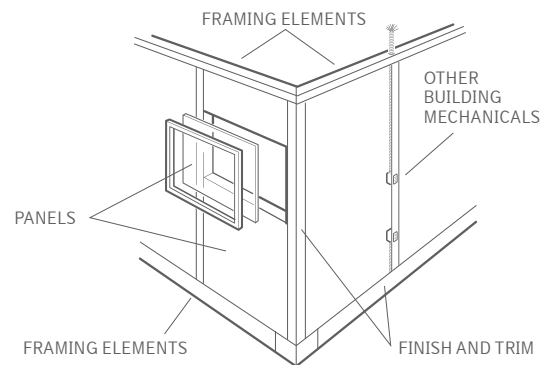
Easy Reconfiguration

When it comes time to revamp your space, simply send us your new floorplan and specifications (and make reference to your original project drawings). We'll then develop a plan that maximizes the reuse of your existing TrendWall components, which protects your investment in architectural walls.

TrendWall Components

Forget taping, mudding and sanding. With TrendWall, what you get is a simple unitized wall based on four components.

1. Framing Elements
2. Panels / Doors
3. Finish and Trim
4. Building Mechanicals



FRAMING ELEMENTS

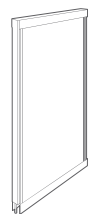
Crown | Made of 18-gauge roll-formed steel, the crown is the U-shaped ceiling channel that holds each panel in place. The crown can be screwed or clipped to the ceiling grid with caddy clips that hold the crown without defacing the grid itself.

Floor Plate | The floor plate is made of 20-gauge roll-formed steel channels that align and attach the base of each panel to the floor. And because TrendWall installs above flooring, there's no need to screw into the foundation. Carpet grippers or double-sided tape get the job done, and leave your flooring and ceilings hole-free.

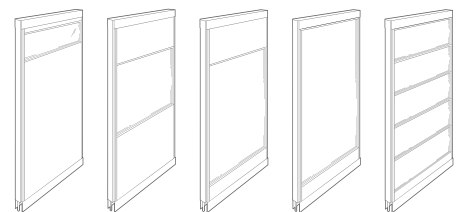
Wall Channel | The vertical wall channel accommodates cutting a filler panel down to size to make way for mullions, moldings or other dimensional variations. The filler panel simply slides into the wall channel for a finished look.

PANELS

Solid Panels | Solid panels are fabric or vinyl clad 3/8" gypsum surface, available in a wide variety of fabrics, plus smooth or textured vinyl, as well as Customer's Own Material (COM). Panels also can be specified with vinyl on one side and fabric on the other – an application suited for an executive office that shares a wall with warehouse operations, for example. All visible metal surfaces on the panel are finished with powder-coated epoxy. Painted surfaces are offered in an array of trim colors. See the Surface Material Color Legend for fabric and color options.



Glazed Panels | Glazed panels consist of the frame in which to insert glass. These panels are roll-formed steel frames with 22-gauge vertical and horizontal glass rails and dual durometer vinyl glass retainers that hold a 1/4"-thick sheet of tempered safety glass or other approved glazing materials. You can choose to have glass provided by Trendway or a local glassier (we provide a complete glass schedule on all orders that ship without glass).

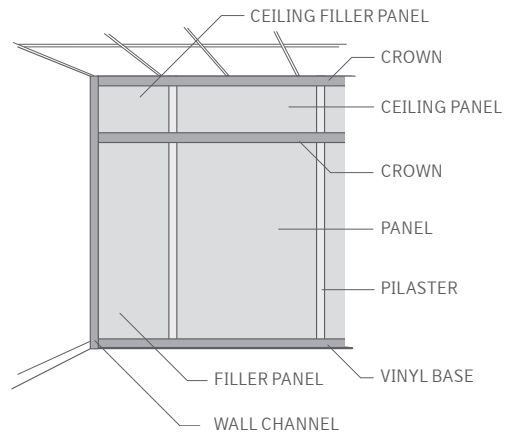
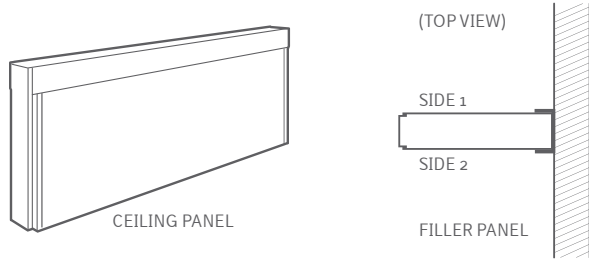


LEFT - RIGHT: HIGH LIGHT, WINDOW LIGHT, FULL LIGHT TO DOOR HEIGHT, FULL LIGHT, MULTIPLE GLAZED.

Filler Panels | Filler panels are placed at the end of a panel run that meets a fixed wall, in order to accommodate window mullions and moldings, as well as compensate for uneven wall conditions and interface with irregular shapes. Available in 6" to 48" widths in 6" increments, filler panels have a steel side rail on one end only and an expanded polystyrene core, allowing them to be cut to fit in the field. They include a wall channel to provide a clean finish. Filler panels are figured automatically into a job as required but also may be ordered individually. Ceiling filler panels are constructed identically to the corresponding panel below them.



Panel Height | TrendWall panels are built in 1/8" increments from 7'2" to 10' high. Need more height? Simply add ceiling panels for an additional 1' to 4' in height (note: the minimum ceiling filler panel is 1'). What's more, crown filler blocks also can create an additional 1" to 12" in height, but they cannot be used with ceiling panels. To compensate for irregularities in the floor or ceiling, TrendWall panels have an adjustable base that accommodates 3/4" up or down for a total 1-1/2" adjustment.



Panel Width | TrendWall panels are available in 1/8" increments from 6" to 4' wide. Our most cost-efficient panel is 4' wide. Unless you specify otherwise, we'll build yours at this affordable width.

DOORS

Door Sections | TrendWall Door Sections are available with a factory pre-hung door, or without a door for projects in which doors will be purchased locally. Door sections include anchor blocks that penetrate the floor and secure hinges and strikes so they don't move over time. As with TrendWall panels, you have the option of door sections with vinyl on one side and fabric on the other. Door section transoms can be specified solid, glazed or with painted metal louver. Headers may be fabric covered for single and double doors, and vinyl covered only for bi-fold doors. Side panels are vinyl or fabric covered.

Door Section Heights - Available in a variety of sizes to accommodate openings from 7'2" to 10' in height.

Standard Door Section Width - 48" (including 8" side panel).

Double Door Section Width - 72" and 84".

Nominal Door Section Width - 40" (no side panel).

Bi-Fold Door Section Width - 48", 60" and 72".

Sliding Door Section Width - 48".

Door Panels | TrendWall door panels are vinyl faced and available in solid core or hollow core wood construction. Single doors are pre-hung in frames that include a steel jamb and transom, while double and bi-fold doors are shipped knocked down. All TrendWall doors comply with ADA door clearance requirements. Doors can be engineered to order with a wide range of options including:

Door Styles - Single, Sliding (single), Double, and Bi-fold.

Door Height - 6'8" or 7'.

Door Swing - Right-hand or Left-hand.

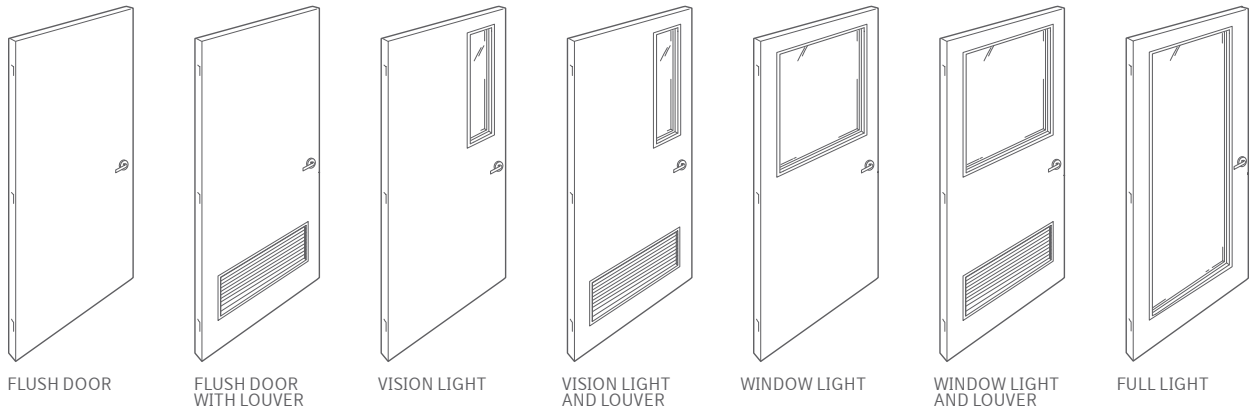
Door Light - Flush (with or without Louver), Window light (with or without Louver), Vision light (with or without Louver), or Full Light. (Sliding door available flush or full light only; Bi-fold door available flush only.)

Glazing - Tempered glass, 3-Form Ecoresin, or sourced locally to project site.

Hardware - Lever passage, Lever lockset (keyed random, keyed alike, or keyed to master), or sourced locally to project site.

Low Impact Solution. TrendWall installs above the floor and below the grid. This makes quick work of installing building elements like drop ceilings and carpeting. It also saves you labor and material costs right now and when you reconfigure (just think: no need to patch drywall or flooring).

Standard Single Door Panels | Standard single doors are 3' wide by 6'8" or 7' high by 1-3/4" thick. Specify left-hand or right-hand swing. The 18-gauge roll-formed steel jambs must be mechanically fastened to the floor. Want windows? You can specify them in virtually any size and shape.



FLUSH DOOR

FLUSH DOOR WITH LOUVER

VISION LIGHT

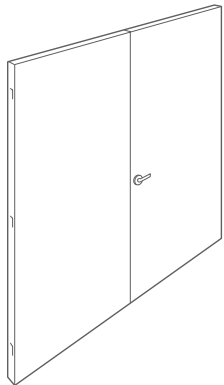
VISION LIGHT AND LOUVER

WINDOW LIGHT

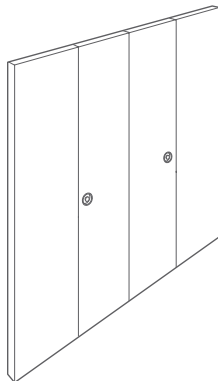
WINDOW LIGHT AND LOUVER

FULL LIGHT

Double Door Panels | Double doors feature one active door and one inactive door, which is kept closed by a latch on the edge near the top and bottom. Unlocking the latch allows both doors to open, creating a 6' wide entrance. Field assembly is required.



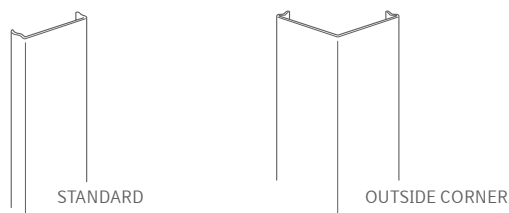
Bi-fold Door Panels | Ideal for storage, bi-fold doors are double doors hinged in the middle to fold out of the way as they open. Field assembly is required.



FINISH AND TRIM

Pilasters are the finished covers designed to snap into place between the panels to conceal the panel connectors and wiring. They come in the same height as panels, ranging from 7'2" to 10' and from 1' to 4' for ceiling fillers. Panels include two matching pilasters, one for each side of the panel. Pilasters are available with optional punchouts for switches, duplex receptacles and data communications.

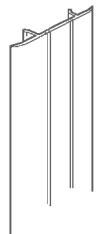
Standard Pilasters | Standard pilasters fit between the panels, exposing the panel side rails.



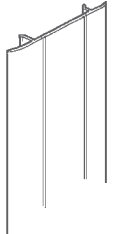
STANDARD

OUTSIDE CORNER

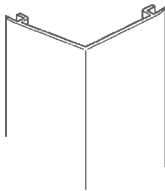
Enhanced Pilasters | Designed to minimize the vertical line, enhanced pilasters cover panel side rails.



ENHANCED STRAIGHT



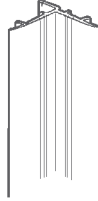
EXTENDED ENHANCED STRAIGHT



ENHANCED OUTSIDE CORNER



EXTENDED ENHANCED OUTSIDE CORNER

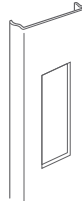


INSIDE CORNER

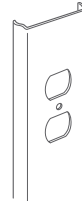
Punchout Pilasters | Pilaster punchouts are used with data communications and electrical.



SWITCH PUNCHOUT (TOGGLE)



OUTLET / SWITCH / DATA PUNCHOUT (DECORA)



OUTLET PUNCHOUT (DUPLEX)

Base | Like pilasters, bases enhance the aesthetics of TrendWall. Made of extruded vinyl, the base creates a finished look at the bottom of the panel.

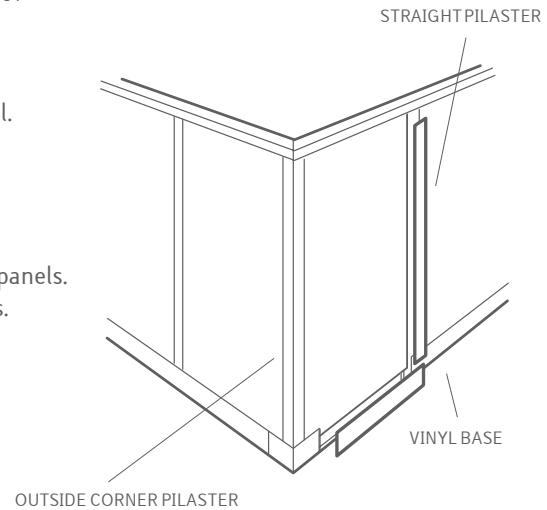
Panel Connectors | Panel connectors do just that – connect panels. Standard connectors are made for straight and corner connections.



STANDARD STRAIGHT CORNER



STANDARD CORNER CONNECTOR

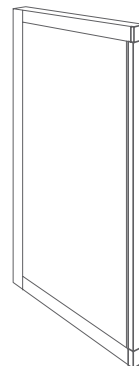


STRAIGHT PILASTER

OUTSIDE CORNER PILASTER

VINYL BASE

Finished End Kits | Finished End Kits are used to create an end of run that does not abut an existing building element. They can be used in pairs to create archways. One kit includes a painted finished end, one crown cap and two vinyl door base ends.

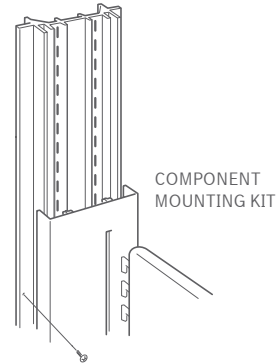


BUILDING MECHANICALS

Component Mounting | TrendWall is compatible with Trendway systems components – and those of other manufacturers, too – with a design that’s pre-engineered and ready for furniture installation. Unlike drywall construction and demountable walls which typically require extra backing, not to mention extra time and cost, Trendway offers a multitude of mounting options for attaching systems components to TrendWall.

For use with Trendway systems components:

- Fits the panel-to-panel in-line connection, 8’ to 10’ high, with component pre-slotting to 84” high.
- Intended only for floor-to-ceiling panels.
- Not to be used with ceiling panels or crown filler block.

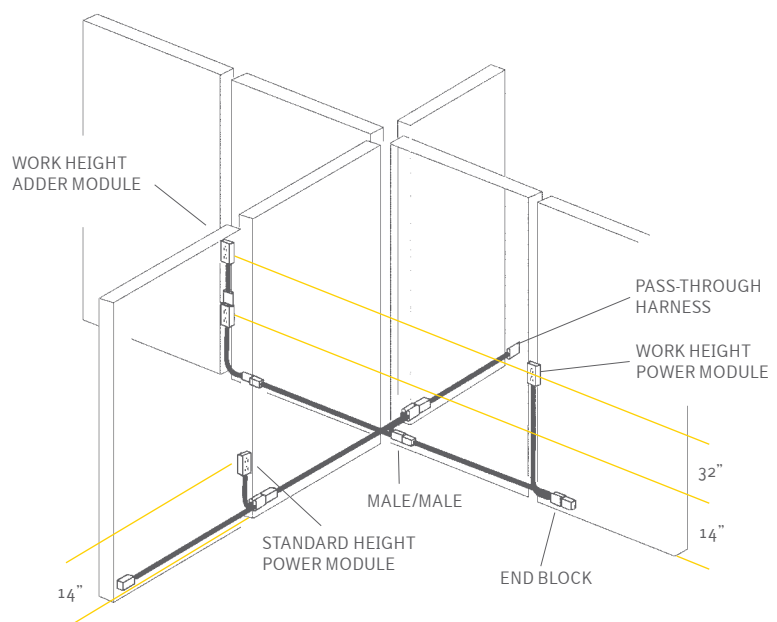


Modular Power

The TrendWall electrical system provides virtually endless pathways for accessing building power and supplying electrical power where and when it’s needed. From data communications and thermostats to fire strobes and security systems, TrendWall has lay-in capability between and below panels. This makes electrical installation easy and efficient. With TrendWall, you don’t need to be a mechanic to access building mechanicals. Simply snap pilasters and bases off with your hands.

- Panels are 2-3/4” thick and have a 2-3/4” by 2” minimum space between them, making way for electrical and data communication mounting.
- Panel bases have a 2-3/4” by 3” space designed for distribution of electrical and communication routing for continuous lay-in of wiring and cables.

What’s more, TrendWall complies with CAT 5, 6 and 7 cabling specifications, as well as fiber optic specifications. If you’re hardwiring the electrical, be sure to consult your local inspector for code requirements.



Power Feeds | Bring power to a TrendWall section.

CEILING FEED (SITCFTP) | The ceiling feed brings power from the ceiling to the base of the TrendWall section and plugs into the power module or pass-through harness, which runs in the pilaster.

END MOUNT BASE FEED (EBFH) | The end mount base feed brings power from the floor, wall or column and plugs into the power module or pass-through harness.

PASS-THROUGH HARNESES (THARNXXXSERIES) | The pass-through harnesses distribute power through the base of the TrendWall panel to each power module.



MALE/MALE HARNESS (TCHMM) | The male/male harness distributes power through the TrendWall base.

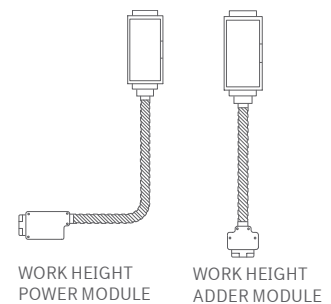


Power Modules | Distribute power within a TrendWall section.

STANDARD HEIGHT POWER MODULE (SHPM) | The standard height power module locates duplexes approximately 14” from the floor and is specified anywhere a duplex will be located at standard wall height.

WORK HEIGHT POWER MODULE (WHPM) | The work height power module locates duplexes approximately 32” from the floor and must be specified anywhere a duplex will be located above the work surface and there will not be a standard height power module in the same pilaster.

WORK HEIGHT ADDER MODULE (WHPMA) | The work height adder module provides duplexes at work surface height when a standard height power module is installed in the same pilaster. The work height adder module allows for the installation of duplexes (one on each side).



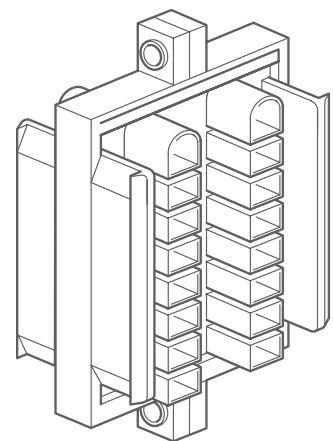
END BLOCK (SITTEEB) | One end block is required for every run of electrical parts. The end block connects the final power module to the pass-through harnesses.

HARDWIRE ELECTRICAL | Electrical box for hardwire and switch applications:

- Appleton M1-250 (SITM1-250)
- Bowers 1-MBS
- Raco 690
- Steel City GW-125-C
- Or equivalent

Electrical for the modular system:

- 8-Wire, 4-circuit, 15-amp per circuit modular electrical system.



END BLOCK

Installation

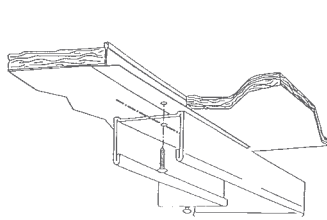
STEP 1: Crown and Floor Plate

Crown

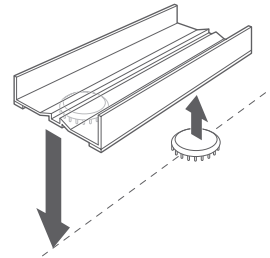
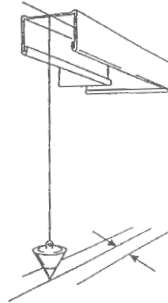
- Working from your TrendWall floorplan, use tape or chalk to create a layout on the ceiling.
- Attach the crown with screws or optional caddy clips.

Floor Plate

- Drop plumb lines from the crown to the floor.
- Use tape or a chalk line to create a panel layout duplicating the layout of the crown.
(Hint: Baby powder in the chalk line makes cleaning up easy.)
- Secure the floor plates by pressing firmly while using carpet grippers or double-sided tape, no need to cut carpeting or flooring.



CROWN INSTALLATION

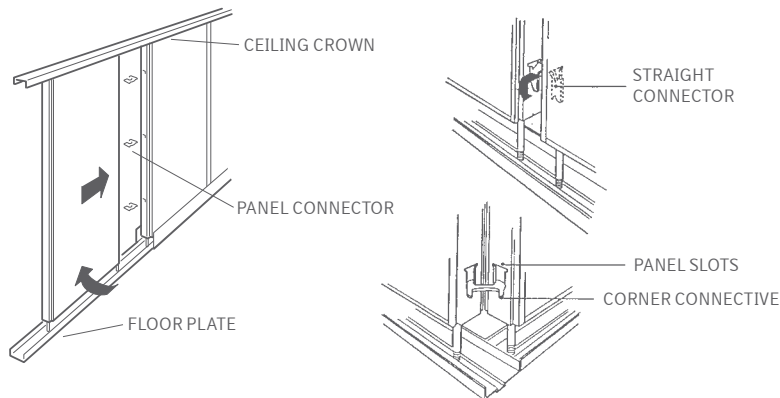


FLOOR PLATE INSTALLATION

STEP 2: Panels, Glazing and Electrical

Panels

- Lift the panels into the crown.
- Fit the panel into the floor plates, adjusting leveling glides to compensate for irregularities in the floor and/or ceiling plus or minus 3/4" or a total adjustment range of 1-1/2".
- Continue setting and leveling panels to create a parallel surface.
- Connect adjacent panels with panel connectors. (Note: Straight connectors connect panels in a run. Corner connectors connect panels at a right angle, and special angle conditions can be accommodated.)

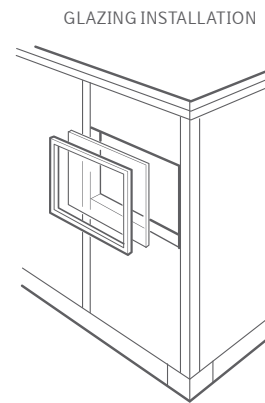


Glazing

- Press the glass into the glazed panel against the factory-installed female molding.
- Use a mallet and wood block to tap the male moldings into place and secure the glass.

Electrical

- Lay wiring into the horizontal and vertical spaces. Horizontal spaces are located between the bottom of the panel and the floor plate. Vertical spaces are found where panels connect. Be sure to consult your architect or building inspector for local code requirements.
- Position knockouts for outlets, switches, thermostats or other building mechanicals on the vertical pilaster.
- Bring power into the modular electrical system with the ceiling feed and the end mount base feed. The feeds connect to pass-through harnesses, which distribute power through the base of the panels to each power module location.
- Power modules are secured to the panel frames by an integral bracket and self-drilling screws. TrendWall accommodates two-, three- and four-way power routing conditions.



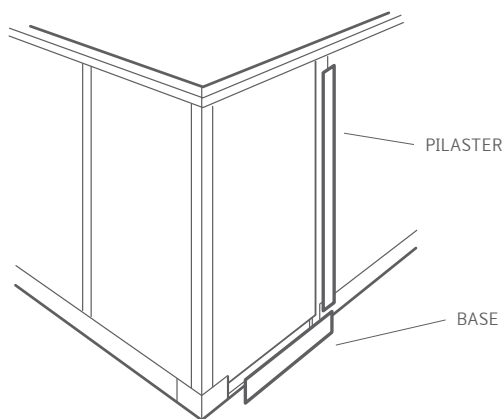
STEP 3: Finish Carpentry

Pilasters

- Attach the pilasters between the panels to conceal the connectors and wiring.

Bases

- Slide the bases onto the floor plate to create a clean visual line.
- Snap in the base end caps at the end of each panel run and door section.



Workplace Acoustics

Studies identify noise as the single greatest negative impact on productivity, particularly in open systems environments where visual privacy is achieved but acoustics are ignored. Noise curbs concentration, prohibits privacy and creates stress in the workplace. But with TrendWall, you get the acoustical privacy of conventional drywall construction combined with the evolutionary flexibility of an architectural wall. So your workers can productively get the job done, and your walls can proactively change with your needs.

Acoustics 101 | Think of acoustics as a study of balances. The only thing more destructive to worker productivity than too much noise, is not enough of it. So just how do you strike a balance between how much sound (and how much silence) is right for your space? Begin by understanding how acoustics are measured.

Noise Reduction Coefficient (NRC) | NRC is a single-number rating used in specification and product descriptions to show the sound-absorbing capabilities of a particular material. NRC ratings commonly are given for acoustical ceiling tiles and systems furniture panels. A material is typically not classified as a sound absorber unless it has an NRC value of at least 0.40. Porous materials, like fiberglass batt, have high NRC ratings because they allow sound waves to penetrate deeply into the material.

Sound Transmission Class (STC) | STC is a single number system used to rate the airborne sound transmission performance of a product like a wall, panel or ceiling. The higher the STC number, the better the product's ability to block sound transmission. A two- or three-point difference in STC ratings is insignificant because it is not detectable by the human ear. Specifiers, therefore, should not assume that a panel or partition with a higher STC rating is functionally better than one with a slightly lower rating. Like NRC, STC is a quick screening tool for comparing construction and material types, and not for design or calculation purposes.

Noise Criteria (NC) | NC is the measurement of background noise in specific interior environments. Because too much quiet can be as distracting as too much noise, the ideal work environment provides a healthy balance between the two. In fact, it may be necessary to create background – or white – noise using a sound masking system that emits sound vibrations that spread out into the ceiling, and filter unnoticeably into office space.

Typical Background Noise Levels*

Boardroom	NC-30
Auditorium	NC-30
Video/conference room	NC-30
Typical conference room	NC-30
Private office	NC-35 to NC-38
Open plan office	NC-38 to NC-40
Public areas (Bathrooms, corridors, lobbies, etc.)	NC-40 to NC-45
Cafeteria	NC-45
Kitchen	NC-50 to NC-55

* Courtesy of Cerami & Associates.

Speech Privacy Potential (SPP) | SPP is the measurement of how much privacy can be achieved from one area to another. SPP is calculated by adding together the STC and NC ratings. As shown in the chart below, an SPP less than 60 provides no privacy, while an SPP of 85 provides maximum privacy. In explaining SPP, confidential speech privacy is commonly said to exist if fewer than 10% of the spoken sentences can be understood correctly by a listener in an adjacent space. The audibility of a particular sound, including speech, is dependent on how distinguishable the sound is from the continuous background noise.

Degrees of Speech Privacy*

PRIVACY RATING	SPEECH PRIVACY POTENTIAL (SPP)	DESCRIPTION OF PRIVACY
Total privacy	85	Shouting is only barely audible.
Highly confidential	80	Normal levels not audible. Raised voices barely audible but not intelligible.
Excellent	75	Normal voice levels barely audible. Raised voices audible but mostly unintelligible.
Good	70	Normal voices are audible but unintelligible most of the time. Raised voices are partially intelligible.
Fair	65	Normal voices audible and intelligible some of the time. Raised voices are intelligible.

* Courtesy of Cerami & Associates.

Make Private Offices Really Private

With TrendWall, the typical private office has an NC rating of 35 to 38. If you take a run of TrendWall sections and pack the base, crown and pilaster with insulation, you gain an STC of 40. Add these two ratings (NC-35 plus STC-40) for an SPP of 75. Under these conditions, normal voice levels are barely audible, with raised voices audible but mostly unintelligible. So your private office can live up to its name.

Speech Privacy Ratings with TrendWall

ADJOINING AREA	STC*	+	NC	=	SPP	PRIVACY
Public Areas	40		40-45		80-85	Total Privacy
Open Plan Offices	40		38-40		78-80	Highly Confidential
Private Offices	40		35-38		75-78	Excellent

*Assumes TrendWall sound packing option.

TrendWall Offers Superior Acoustic Performance

Drywall construction consists of one layer of gypsum board on each side of metal studs with no insulation in between. A typical wall with unsealed perimeter joints and openings for electrical and telephone outlets has an STC rating of 35. A well-sealed, unpenetrated wall of this type has an STC of 39.

A TrendWall panel consists of a steel frame, 4-1/2-pound density therma-fiber mineral wool core for excellent acoustics and fire-resistance, and fabric or vinyl clad 3/8" gypsum panel surfaces. A typical TrendWall installation has an STC rating of 36 – and TrendWall with sound packing exceeds drywall construction with an STC of 40.

Unlike drywall, TrendWall is easy to install (no taping, mudding, sanding, clean-up), economical to reconfigure (fewer trades, little to no downtime) and environmentally friendly (more than 95% reusable material).

Get the most from TrendWall with these acoustical enhancements:

- Use solid panels instead of glazed panels wherever possible.
- Add gaskets and door sweeps for doors.
- Use batt insulation above the ceiling.
- With reveal-edge ceiling tiles, attach the crown to the ceiling grid with a Trendway-provided grid block.
- Add sound packaging to TrendWall pilasters, base, crown and wall channels.
- Minimize the use of filler panels, especially in areas where privacy is a concern.

Acoustics Planning

When mapping your floorplan, remember that there's more to great acoustics than great walls. Ceilings, flooring, HVAC, lighting, electrical – the sound quality of your space depends on it.

Ceiling

Look up and listen. Does your ceiling absorb sound or amplify it? For peak privacy, pair TrendWall with acoustical ceiling tiles that have an STC rating of 40 and a minimum NRC rating of 65. Typically, such tiles are constructed of a high-density mineral fiber material that absorbs sound and provides a barrier to noise traveling through the tile, across the plenum and through the ceiling into adjacent offices. Batt insulation can increase the STC rating of the ceiling by one transmission class. Simply place batt insulation above the ceiling in the plenum adjacent to both sides of the TrendWall panel, extending the insulation 18 inches on both sides of the center line for optimum effectiveness. We recommend an R-19 factor or greater.

Flooring

Walk around your space, paying particular attention to high-traffic areas. Carpeting brings the best sound absorption, especially when backed by a quality pad. And while hardwood or ceramic tile floors may heighten aesthetics, they provide little sound absorption and actually tend to amplify sound.

HVAC

When planning heating and cooling systems, think about both comfort and sound control. To maximize acoustics, use indirect HVAC ducts wherever possible. And instead of running supply and return air ducts directly from one side of the room to the other, branch them from the main lines located outside the space containing private offices.

Lighting and Electrical

Recessed fluorescent lighting and the required ventilation system create facility-wide sound transmission issues. To minimize noise, place recessed lighting fixtures as far apart as possible on opposite sides of the wall. Remember that little spaces can leak big sounds. Enhance acoustics by strategically placing electrical outlets.

Office Partition Construction and Performance Levels*

A. Typical demountable partition	STC-30 to STC-35
B. Fixed partition construction	
- Drywall partition up to acoustical ceiling line	STC-30±
- Drywall partition through acoustical ceiling 6"	STC-35±
- Drywall partition with insulation, full height up to slab	STC-40 to STC-45
- Multiple layered drywall with insulation, full height up to slab	STC-50+
C. Doors	
- Non-gasketed doors	STC-20±
- Gasketed, end-hinge doors	STC-30±
- Acoustical doors	STC-40±

* Courtesy of Cerami & Associates.

Flex Your Walls & Your Budget

Expand, renovate, downsize, relocate – as your business changes, TrendWall responds. From initial installation to multiple reconfigurations, you can change your floorplan without the chaos or cost of new construction.

Rapid Specification | Whether you create your own specification through 20-20 CAP Studio or have Trendway handle the specification, the deliverable is a complete, finished floorplan that's ready for occupancy.

Simple Reconfiguration | When it comes time to revamp your space, simply send us your new floorplan and specifications (and make reference to your original project drawings). We'll then develop a plan that maximizes the reuse of your existing TrendWall components, which protects your investment in architectural walls.

Smarter Investment | Fewer components mean fewer trades – fewer hassles and little to no downtime or dollars for reconfiguration.

CONSTRUCTION TYPE	MATERIALS VS. LABOR COST	TYPICAL REUSABILITY
TrendWall Architectural Walls	80% 20%	95%
Demountable Walls	60% 40%	30-40%
Conventional Drywall	45% 55%	0-10%

Tax Considerations | Because TrendWall is an architectural wall system, it classifies as tangible property and qualifies for the Modified Accelerated Recovery System (MACRS), a benefit that allows you to depreciate TrendWall over seven years versus 39 years with conventional drywall construction. (Be sure to ask your tax consultant for a final determination of your tax breaks with TrendWall.)

Low Life Cycle Costs | Invest in architectural walls and you invest in a future filled with the flexibility and the financial smarts of reusable materials, so your walls can take the shape of your business without breaking your bottom line.

Change x Reuse = ROI | TrendWall's reusability reduces facility costs. In fact, if you experience an annual churn rate of 20%, you can expect a full return on your investment (ROI) in as little as three years. Plan to move your walls in five years or less? Then plan on a full ROI when you move TrendWall just once. Not to mention significant savings with fewer trades and virtually no disposal costs, since you're not tearing down walls.

Less downtime | Architectural walls let you configure and reconfigure space simply and efficiently. Let alone reduce tenant improvement time.

Privacy = Productivity = Profits | Acoustical privacy leads to all-around productivity and a healthier bottom line, not to mention a more pleasant work environment.

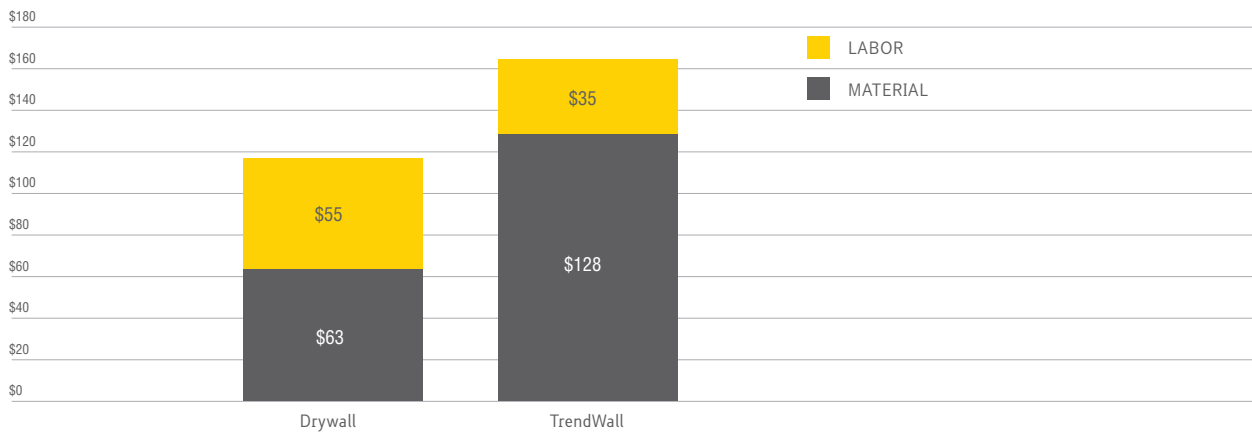
Save This Thought. With more than 95% reusability, TrendWall leaves little waste. This leaves you with only one predicament: Just how will you spend all that money you're going to save in disposal costs?

Lower Cost

Installing or reconfiguring TrendWall requires fewer trades. This translates into less labor cost, less downtime and less hassle.

This chart shows the initial material and labor costs associated with both conventional drywall and TrendWall architectural wall construction. While drywall provides lower initial construction cost, it also demands that you deal with the mess and inflexibility of not being able to quickly change your facility to meet your business requirements. In contrast, TrendWall goes up fast, with less mess and the utmost flexibility. Simply put: TrendWall changes as you do.

INITIAL COST (PER LINEAL FOOT)

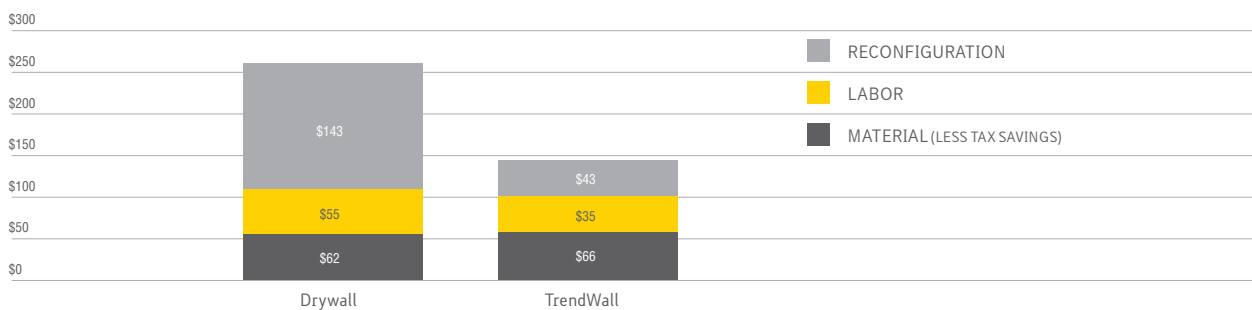


More Adaptable

Change is good with TrendWall. With national churn rates averaging more than 20%, there's no time like now to find new ways to organize your office space. And just think: More churn = more savings.

The reusability of TrendWall materials significantly reduces your annualized facility costs. And architectural walls make quick work of reconfiguring, with minimal disruption to your workplace. Note: This analysis utilizes a national average for workplace churn. Ask your TrendWall dealer for a customized financial analysis that reflects your business.

LIFECYCLE OWNERSHIP COSTS (PER LINEAL FOOT)



Count on Recycled Coverings. At Trendway, we purchase fabrics from suppliers with exceptional environmental policies. So you can cover TrendWall panels in a multitude of 100% recycled content fabrics, including Terratex®.

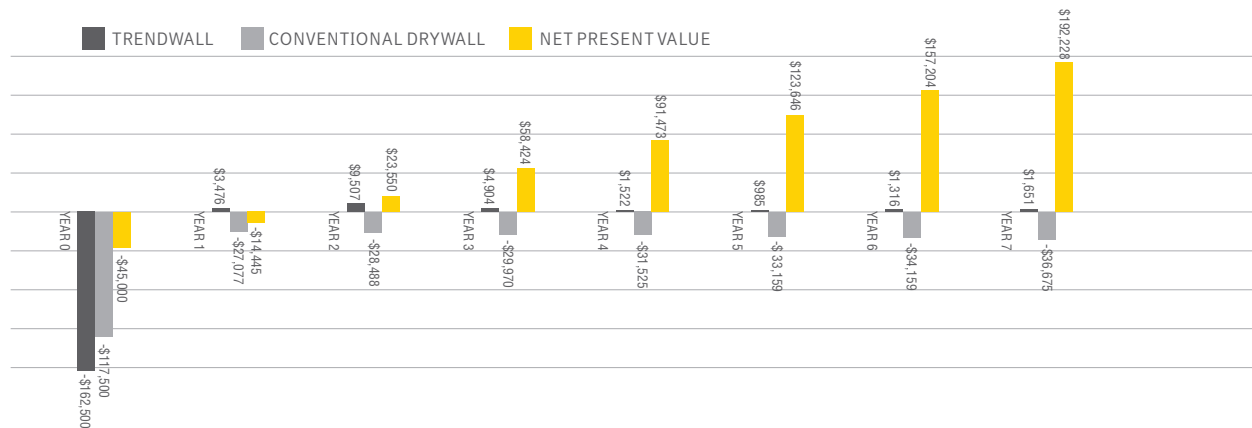
Three Year Payback

Buy TrendWall and you'll see a full return on your investment after three years.

Assume you borrowed the difference in cost between conventional drywall construction and TrendWall. (See yellow bar in chart below.) Based on our analysis of accelerated depreciation and churn rates, you would pay off your loan in less than two years and realize a cumulative savings of almost \$200,000 by year seven. Our calculation is based on the material and labor differences between drywall and TrendWall and does not include the cost savings realized in the installation and repair of ceiling and floors or the impact to worker productivity.

Note: This analysis is based on 500' of solid partitions, 10 doors and 2' sidelights adjacent to the doorways. This project consists of 8' high vinyl covered walls with basic trim and doors. Conventional drywall construction costs are based on national averages. Ask your TrendWall dealer for a customized financial analysis that reflects your business.

CUMULATIVE ANNUAL CASH FLOWS (7 YEAR MACRS)



Meet the Sustainable Wall

TrendWall is 43.5% recycled content based on weight, and more than 95% reusable during reconfiguration.

TrendWall changes with your changing company. Prefabricated and ready to install in three simple steps, TrendWall goes up effortlessly, not to mention stands up to repeated reconfiguration. As a non-progressive system, TrendWall allows you to remove sections without dismantling an entire run, freeing you from the hassle with progressive systems. TrendWall even conforms to varying ceiling heights. Just cut it down or stack it up and you're ready to reinstall. When it comes to systems furniture all you need is a mounting rail to hang components of all shapes and sizes from virtually any manufacturer.

On the surface, TrendWall looks like just another panel. Yet, what lies underneath is something quite revolutionary. (Think: 43.5% recycled content.) Beneath TrendWall's gypsum surfaces is an environmental layer of mineral wool insulation, which consists of slag wool. Made of 85% recycled materials, slag wool is a byproduct of steel smelting and, unlike traditional fiberglass insulation, has no outgassing. So air quality is not compromised. Even the offal gypsum board created in TrendWall manufacturing is recycled through a grinding company and then transported to farms with clay-based soil. When tilled, the recycled gypsum breaks down the clay so plants can root deeper into the soil and become more productive.

Designed to Change | TrendWall answers the call of environmental sustainability with a simple design that outlasts change, with maximum reusability. But that's just the beginning. All TrendWall panels and Trendway systems are completely integrated, functionally and aesthetically, meaning that they evolve and expand with you. So your new and existing installations as well as your electrical and data work together without creating waste or wasting your investment.

More than 95% Reusable

Need another compelling reason to choose TrendWall over drywall? Consider more than 95% reusability. Conventional drywall construction is not reusable. Drywall creates waste that must be shipped to landfills. What's more, drywall is made of gypsum which not only is not biodegradable, but also contains lime, which breaks down clay. While this is good for agriculture, it is potentially dangerous in landfills; the breakdown of the clay protective barrier can allow seepage into ground water. In fact, many municipalities are now requiring companies to separate gypsum from construction waste so that it can be sent to landfills built especially to prevent seepage. The cost to ship gypsum to one of these specialized landfills is ever increasing. When TrendWall components eventually reach the end of their useful life, almost 100% of the content is recyclable, effectively removing it from the waste stream.

Specifying Green? Start Here. | Working towards an environmental building certification? With 43.5% recycled content based on weight, TrendWall contributes significantly to your project's recycled content rating.

Recycling and reusing is a way of life at Trendway. In the past five years, we've recycled nearly 2.5 million pounds of fabric, cardboard, plastic, aluminum, iron and other materials. We return scrap material to its source for recycling into new products, whenever possible. What's more, our annual "Recycling and Environmental Savings Summary" reported a savings of 4,679 trees, 60,551 gallons of oil, 17,340 cubic yards of landfill space, 1,926,635 gallons of water and 16,514 pounds of air pollution in the past year alone. Even our employees bring in their recyclables from home.

Our Sustainability Agenda

Systems, seating, and storage – TrendWall is just one of the many Trendway products designed with the environment in mind. We see being “green” not as a destination, but as a journey. Along the way, we continue pursuing ways to enhance our technologies and materials to meet the evolving needs of our customers. That’s why we’re constantly improving our current manufacturing processes and operations by reducing waste and conserving natural resources.

100% Environmental Compliance

- A broad offering of 100% recycled-content fabrics, including Terratex.
- A local “waste-to-energy” facility that generates electricity using our wood scrap.
- Programs like the “over-spray powder reclamation,” which recycles 20.05 tons annually, and “waste-to-agriculture,” which collects more than 80 tons of gypsum waste per year to recycle in soil enhancement applications. Even our sawdust is reused locally in agricultural settings.
- Adhesive materials that are No-VOC (Volatile Organic Compounds, a regulated category of air pollutants) or Low VOC (with content materials containing approximately 3% or less VOC by weight).
- Bulk packaging or blanket-wrapping of most of our products, which saves at least 45,000 boxes each year.
- Classification as a “Minor Source” for air pollutant emissions by a permit issued jointly by the Michigan Department of Environmental Quality and the United States Environmental Protection Agency (EPA).
- An extensively day lit, energy-efficient manufacturing plant that earned the EPA’s “Green Lights” endorsement.
- Active membership in the West Michigan Sustainable Business Forum.

We Practice What We Preach | Our commitment to the environment doesn’t stop at manufacturing. We encourage all our employees to adopt environmentally safe habits and participate in stewardship efforts by:

- Awarding a monthly point bonus to each team that implements an “Environmental Improvement Initiative” in its work area.
- Using our corporate environmental theme of “Reduce – Reuse – Recycle.”
- Awarding a quarterly “Green Team Environmental Improvement Award” to the team implementing the highest valued improvements.
- Providing a 24-hour recycling collection center for employee household wastes.





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