



# FEATURES & BENEFITS

Everything you need to know about DIRTT's Agile Architectural Solutions.



DIRTT Agile Architectural Solutions – They just mind their own business, work hard, look good, get along with everyone and are here for the long haul. It's like having the perfect employee in the office.

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## SOLID MODULAR WALLS

DIRTT Solid Modular Walls go beyond any other wall in the movable wall industry. They accommodate power and data without dictating where they must go. They support furniture and storage horizontally for placement anywhere. They support old and new furniture by most manufacturers. Each side of each wall is independent. So you can have beautiful wood veneer and sconce lighting in your lobby and on the other side is your mailroom supporting overheads and worksurfaces.

## FEATURES

Parametric design: functionally and aesthetically

Aluminum frame and formaldehyde free insulation ship separately from skins.

Frames arrive with horizontal support extrusions in place, as dictated by the designer within ICE, ready for skins and/or furniture support.

Carpet grippers and ceiling tile grid (via existing ceilings) attach panels to building in many cases.

Frames attach together with discreet 'zipper' connections – a polymer vertical strip. Black, silver or charcoal for exposed zippers.

Skins – paint MDF, LPL, veneer MDF, back-painted glass, ecoresin, presentation screens, fabric, tackable etc – attach in a segmented or monolithic aesthetic, on or off-module.

Corner connections come in several different shapes; square, rounded, or butterflyed (Chicago, Pizza or Quirk; 30 degrees off parallel to 120 degrees) in powder coat, anodized or veneer wrapped finish.

Two types of horizontal extrusions for either load-bearing or skin attachment only. Support is universal rather than in select spots.

Flexible connection 'zipper' also available.

Solid and glass movable walls work together and are stackable; initially and in the future.

STC Rating of 44 when scribed to the floor. A 37 rating when base is exposed.

## BENEFITS

Individual expression for each project. Unique functional requirements incorporate to suit.

Frames and skins being separate makes for efficient, safer packing for transportation. Lightweight for less pollution and energy waste during transportation.

Frames are open for easy electrical inspection and retrofits. Skins can arrive later allowing for longer lead-time on COM. Parametrically designed walls mean design team can create unique aesthetic and function with monolithic, segmented and/or off-module in a vast array of finishes.

Walls do not damage base building and are easily relocated.

'Zipper' provides fast install and fast reconfigure. Discreet pliable polymer flanges hug frames providing acoustical benefits.

Each side of each wall can have a different aesthetic and function to suit every situation. Skins can configure for interesting shapes on or off-module.

Design professionals have more choices to finish wall runs.

Hang furniture, artwork, lighting, shelving, etc... without altering aesthetic. Horizontal support allows for hanging elements exactly where you want. The extrusion supports legacy elements and other manufacturers; furniture. Each wall side is completely independent aesthetically and functionally.

Faceted curves up to 15°. Can be retrofitted.

Create a seamless mix of glazing and solid finishes and have the freedom to make physical changes down the road.

An excellent choice for achieving speech privacy in a holistic manner. 44 is similar to a 4" brick wall. 37 is equivalent to drywall and studs.



## GLASS MODULAR WALLS

Glass brings in light it makes space seem lighter. DIRTT Glass Modular Walls allow you to determine everything about that glass; heights, widths, frame shapes, muntin placement and finishes. Further integration comes in the form of the DIRTT Spandrel; a detail that creates a graceful connection and design opportunity between solid walls and glass fronts.

## FEATURES

Parametric Engineering—Muntin extrusions can be placed anywhere within the frame. Virtually unlimited choices for inserts. Mix and match. Berman glass, 3form ecoresin, Goldray etched and laminated glass...

Aluminum frame can be designed with powder coat, anodized aluminum or a patented veneer finish.

Panels arrive on-site fully glazed and unitized.

Panels come in widths from 4" up to 5' in any dimension. Not constrained by increments.

Carpet grippers and ceiling tile grid attach panels to building in many cases.

Frames attach together with discreet 'zipper' connections – a polymer vertical strip. Black, silver or charcoal for exposed 'zippers'. Available in flexible format.

Spandrel element available to interface demising walls with front walls.

Can be designed as a real curved wall or faceted. Curved glass and curved extrusions are available, even a curved barn door. Curve radius to 6'.

## BENEFITS

Everything is determined by the designer. They have the freedom to design unique elevations. DIRT's standard is custom.

Integrate the entire space. Achieve a veneered aesthetic for half the typical cost.

Fast installation that doesn't require any other parts or pieces and very few tools.

Designers can create unique elevations to fit space exactly.

Walls do not damage base building and are easily relocated.

Provides discreet connection with excellent acoustic performance. Flexible connection offers faceted curves up to 15°. Can be retrofitted.

Spandrel eliminates clumsy wall connections at glass front wall. Allows for "rhythm" and aesthetic of front elevation to continue. Provides better daylighting conditions and another opportunity for design.

Get true curves or get the feeling of curves for less.

# STACKED WALLS

They speak the same language, so why wouldn't they work together as one? DIRTT Solid and Glass Modular walls are stackable. There is no standard look. You choose the amount of glass and solid components for your unique environment.

## FEATURES

Short walls with potential to be taller; up to full height.

All stacked walls use the same components as the other DIRTT modular walls.

Support furniture and storage on Solid Wall sections.

Wall can be designed with as much glass, horizontal support and selection of finishes as required in each individual case. Wall sides work and look independent of each other.

## BENEFITS

Create semi-privacy or full privacy, initially or in the future as your business changes.

Implement as much glass, wood, paint, fabric as you need, just as you would on any other wall for full integration.

Integrate legacy and/or new furniture and storage for a fully functional, sustainable space.

You determine the amount of light, privacy, level of finish, furniture support and placement for each unique situation.

# LOW WALLS

Sometimes you need a wall that demises space but lets employees see and hear each other. And sometimes you aren't sure if an open-plan is the right thing for your company. DIRTT's Low Wall gives you the same level of finish and function as full-height DIRTT walls with the option to create a taller wall, all the way to full-height for later on, if the open-plan thing doesn't completely work out – or visa versa.

## FEATURES

Uses DIRTT Solid and/or Glass Wall components.

Can be stacked taller all the way to 10' in any increment (heights over 10' are considered on a case by case basis) with solid or glass wall components. Or the Wall can start tall and be shortened if needed.

## BENEFITS

Low Wall has same benefits of full-height wall: horizontal furniture support, off-module capabilities, independent sides, power & data service and extensive finish selection.

Without affecting the functionality of your original investment, you can alter your workspace to suit new conditions and aesthetic needs. You determine how much privacy and daylighting you need.

# INTERIOR CURTAIN WALLS

Using the same engineering and capabilities of the DIRTT Solid Wall, the Interior Curtain Wall allows you to integrate your entire space. Base building walls can be made to work as hard by supporting furniture and accessories and look as good as the rest of your office, and still be reusable if you move in the future.

## FEATURES

Same basic movable wall frame attaches to existing building walls with clips.

Extrusions vary between furniture supporting and skin supporting. Placed as needed.

Same 'zipper' connection as solid walls.

Finish with veneer, back painted glass, whiteboard, etc.

Skins install in non-progressive order.

Skins can install off-module.

## BENEFITS

Integrate existing walls functionally and aesthetically into rest of space.

Design wall to suit functionality requirements of space.

Connects to the other DIRTT walls for seamless intersections.

Wall is open to unlimited design interpretations.

Small or large changes made as needed in the future.

Organic shapes, mixed media, segmented with monolithic looks are all easily accepted on wall.

# STICK BUILT WALLS

DIRTT Stick Built Walls give you long, seamless, retail-like glass fronts. Better yet, this beautiful result is produced on a manufacturing schedule, rather than being built from scratch on-site. They arrive on-site ready for quick assembling. Later they can be dismantled for reuse.

## FEATURES

Seamless glazed look provided through a manufactured frame and installed on-site.

Frames available in powder-coat, anodized or veneer wrapped.

Faceted multi-panel corners available as stick built allowing unobtrusive glass corners.

Extrusions up to 12' wide. Glass pane widths of up to 4' wide.

Horizontally divided elevations.

Glass is butt-joined with polymer connection.

Choose from several types of glass.

Glass can be sourced in Calgary or locally.

## BENEFITS

Achieve a glazier's, fixed-in-place, seamless glass front wall on a manufacturing schedule and price.

DIRTT's patented veneer wrapping process provides wood aesthetic for half traditional wood pricing.

Keep seamless glass look at corners.

Create retail-like glass fronts.

Parametrically integrated design opportunities.

Provides clear connection.

Allows for more design opportunities.

Get best glass price. Achieve more effective and Environmentally efficient transportation.

# BARN DOORS

A swing or pivot door is one of the worst wasters of space – it needs room to swing and it cuts off part of the room. A sliding barn door allows you to place the door in the middle of a front wall, and doesn't need any swing space. DIRTT's Barn Door installs in five minutes, is low-maintenance, non-handed and can be finished in veneer, powder-coat or anodized.

## FEATURES

Innovative engineering and pneumatic slow-down mechanism.

Solid (paint, veneer, Chroma Coat) or Glass (powder coat, anodized or veneer wrapped frames and choice of glass).

Alignment and locking system.

## BENEFITS

Slim, unobtrusive design, five-minute installation, low-maintenance and removes handedness.

Doors integrate with rest of walls .

Ensures precision location and security of door when closed. Flex free.

# LOW PROFILE ACCESS FLOOR

The DIRTT Floor is a portal for leveraging real estate. It has ample room for all the data and power required to run a successful and sustainable workspace. This floor helps all existing buildings into the 21st century and makes sure new buildings get off on the right foot.

## FEATURES

From floor to top of the tile: 2 5/8"

Fire retardant polypropylene webbing with shaped coded connection points holds the steel supports in place.

Each cableway holds up to 208 CAT 5e data cables.

Webbing is fastened to floor with removable mastic.

Steel supports: 4" diameter x 1.7" tall made with 20 gauge steel and polypropylene top pads.

Perimeter Support: A steel support channel meets up with the existing walls.

Anodized aluminum Floor Skirt: a new addition to trim exposed vertical transition surfaces.

Tiles: 2' x 2' tiles are 21 mm thick cementitious (wood fiber and cement) each weighing 21 lbs with a total system dead load of 6.03 lbs. per sq. foot.

Tiles are opened up exposing channels, while providing a stable platform for trades to install modular power, data, safety and security technology.

Sealer and adhesive are rolled on the top of the floor to install carpet tile.

## BENEFITS

Low profile means ceiling heights are not a problem yet there is plenty of room for cabling and zone boxes.

The shape of the webbing and its connections create intuitive directional information for precise and easy installation.

Ample room for cables and provides inherent cable management without the cost of trays.

Space can be returned to original condition and webbing can be moved to another site for reuse.

Provides strength and sound dampening. Each support can be removed from webbing and replaced if damaged.

Support for the panels around the perimeter. Panels can be cut on-site to fit to wall.

Strong attractive trim and support for exposed floor edges. Also matches wall anodized aluminum finish and powder coats.

The tiles are fire and water resistant, quiet and strong without being heavy.

DIRTT floor provides a fast and easy installation for plug & play technology. The cost of the plug & play components are balanced with the dramatically lower cost of installation and reconfiguration labor versus a ceiling, homerun installation.

Carpet tiles mean a fast installation and easy access to power and data during changes. And is easier to change out when wear and tear take their toll.

# MODULAR POWER

Compact, inexpensive, plug & play power solution. Designed to be versatile by working with nearly all other furniture manufacturers' products. The same power solution is in the furniture, floor and walls.

## FEATURES

DIRTT Power is a ten wire system with 4-4-2 circuits (and 6-2-2 in the future) and 2 + 2 grounding.

The DIRTT Branch Manager (zone box) is only 1" thick, suitable for any access floor or ceiling application.

The duplex chassis and receptacles allow the user to select the circuit required without moving parts and in one assembly.

Extender cables from the DIRTT Power Box to the end-user in 2' – 25' lengths.

Homerun extender cables come in 100' – 300' lengths.

The DIRTT service module sits flush and easily accessible in the access floor tile.— Currently not available in the selectable circuit receptacle assembly.

Receptacle bezel is an unobtrusive minimalist design.

## BENEFITS

Able to work with other manufacturers' products.

Suit your immediate load or kick it up to universal zone status. Either way, changes, large or small, are easy and quick.

They are not pre-dedicated and can be switched to suit the conditions. They are suitable for walls and furniture locations.

Connections are clearly denoted male to female – no interface components required.

Reach virtually any area of any office.

Discreet, easy-access floor modules make it simple to plug-in where you need without creating havoc for the maintenance teams.

Creates a smooth dashboard look.



