build better™

DIRTT

46 Things
DIRTT

Thank you for considering modular walls for your project. While all modular walls are better than studs and drywall, there are a few things about DIRTT Walls to keep in mind while making this important decision. Some wall manufacturers may have one or more of these benefits and all wall manufacturers emphasize the fact they are movable at some point in time. The following 46 points demonstrate how DIRTT Walls aren't just simply better for reconfiguring later, but they are better right from the start. Read on for the powerful, unique benefits exclusive to DIRTT Walls and helpful to your bottom line.

SUSTAINABILITY

1. DIRTT Walls integrate seamlessly and cleanly with existing and new buildings, helping to extend a building's life cycle. The Walls' flexibility and superior construction mean they can be adapted and reused. A long life cycle is one of the single most important attributes of sustainability.

2. The parametric engineering of DIRTT Walls means you can create the perfect module size for your space. Modules fit together in a myriad of configurations over their lifetime. This further ensures a long life cycle and best reconfiguration practices without extra assets or asset management.

3. The parametric approach also allows for an infinite combination of finishes, angular or curved installations and the ability to make radical changes in the future.

4. Face-tiled walls support power, data and security cabling and components. The cavity is easily accessible for small additions, moves and changes without damage or waste.

5. Expandable and flexible connections adapt to different building angles and curves, resulting in fewer parts and pieces and a more efficient use of real estate.

6. Wall design allows for vertical stacking, to increase or decrease height initially or in the future. Keep your original investment intact even if your aesthetic requirements change.

7. Horizontal support extrusions, placed anywhere on the face-tiled Walls, allow you to hang any new or legacy furniture, appliances and storage units.

8. DIRTT exclusively uses UV-cured, non-toxic, water-based finishes that are easier on the environment than traditional finishes and help to maintain air quality and the health of employees in your own facility.

9. Sliding doors save real estate. DIRTT's are non-handed, easily installed, have pneumatic slow-downs, are lockable and come in several styles and finishes. They can be easily reconfigured, dismissing the need to buy extras to suit a new location.

10. Glass for butt-joint elevations and solid doors can be sourced locally. This eliminates shipping long distances and the attendant pollution. It also helps boost your local economy.

11. Packaging is kept to a minimum and designed for reuse. DIRTT has a repatriation system in place to bring back and use packing materials again and again.

12. Veneer wrapping directly onto aluminum frames saves thousands of board-feet of lumber typically needed as a substrate. The results are stronger, more durable and even more elegant because the details can be made slimmer.

13. DIRTT's intelligent, graphical, interactive 3D software called ICE® eliminates waste from human error and the need for mock-ups.

14. ICE software means no paper catalog and a smaller factory footprint at DIRTT.

15. ICE cancels out the need for paper marketing materials. Since every project is completely unique, a brochure is an unhelpful use of paper.

16. ICEcycle™ is a graphical, proactive reconfiguration tool. The original space plan is inventoried as images in palettes. Each element is accounted for and noted, allowing the designer to reuse all elements without error and with utmost efficiency.

17. Breathe™ is DIRTT's modular living wall. It provides an inexpensive opportunity to add plant life to any space. The modular pots and individual wicks for the plants ensure correct watering, disease control and easy replacement and moving of plants.

DESIGN FREEDOM

18. The intelligence of ICE software allows designers to provide the best solution — functionally and aesthetically — without wasting precious time finding out if it can be built or not. ICE produces pricing, specifications and parts lists. The same information provides shop drawings in days instead of weeks.

19. ICE offers full, real-time integration with AutoCAD™.

20. Wall sizes are infinite within the minimum and maximum parameters of each part of the wall (tiles/skins, frames, doors, glass).

21. Horizontal support extrusions offer functionality when in use and are an aesthetic bonus when left open as a reveal and unused in the interim.

22. The support is also open-source. You can choose your preferred furniture that best suits the space and people without worry that it won't be supported by the Walls.

23. Clean, elegant corners of any angle.

24. Every space can be designed to suit the exact needs of the inhabitants. Tiles come in all sizes and finishes. For instance, back-painted glass tiles and "Write Away" film turns any wall into a dry-erase board. Tiles can be switched out or refinished.

25. Tiles/skins are sized for individual module frames or run across adjacent frames.

26. Sides of face-tiled Walls are completely independent aesthetically and functionally, allowing designers to address different conditions either side of the Wall.

27. Low-profile base with 2.25" of height adjustment facilitates installation and reconfiguration.

28. All Walls consistently integrate with each other and the base building, such as columns, sills, mullions and bulkheads.

29. Single-sided face-tiled Walls open up new design opportunities and additional usable real estate, with power and data support, when clad over perimeter hard-walls.

30. Flexible connections offer faceted curves up to 15 degrees in either direction for inexpensive design statements. They can be incorporated initially or retroactively.

31. DIRTT Walls can be designed and finished to suit all kinds of applications in all kinds of industries – including residential applications.

TECHNOLOGY SUPPORT

32. Flat screen technology (LED and LCD), interactive tools, iPod docking stations and USB portals integrate with the Wall plenum and remain accessible for technicians.

33. Glass face-mount tiles are designed to cover and protect screens.

34. Exposed horizontal extrusion also supports monitors, monitor arms, speakers, accessories, etc. on the face of the Wall.

35. Bracketry is specially designed to support rear screen projection units in smaller spaces.

36. Accessible cavity provides plenty of room for power, data, plumbing and medical gasses. Tiles can also act as cabinet doors.

37. Ventilation system is integral to the DIRTT system for the cooling of integrated technologies.

38. When technology changes – as it inevitably will – the Walls are ready to accept new components, wiring or wireless components.

39. Horizontal support extrusions and brackets make electronic sit/stand solutions simple to implement and alter.

COMMUNICATION/INFORMATION

40. ICE software takes care of the entire specification minutiae while you design the perfect space and stay on budget. ICE provides interactive real-time 3D experiences of the whole project and photorealistic renderings in moments, while simultaneously creating and updating elevations, price, parts and production information with every modification.

41. ICEvision™ is web-based, interactive movie sharing. It allows all stakeholders, regardless of their software, to explore and understand the project graphically. Using annotations to point out important aspects in the design, it empowers those who cannot easily understand drawings and instantly updates colleagues on the project's progress.

42. ICEberg™ is a tool that gives all clients the hard numbers to help them compare the monetary and environmental cost between conventional construction and DIRTT. Every tradesperson, finish and square foot is calculated using third-party statistics. ICEberg's data can even be modified to suit your local contractor's own numbers.

43. Using ICE ensures your design is directly translated into production information. There is no opportunity for human error to compromise the design. The result is the shortest lead-time in the industry; four weeks is the longest lead-time DIRTT typically requires.

44. ICE allows for the evolution of DIRTT solutions without concern for the usual documentation nightmare that ensues. Whether for a solution-wide change or for a single project, ICE provides the platform that supports rapid change. Therefore we are open to working with design professionals and clients to continually innovate our offering without worrying about creating a non-generational change.

45. DIRTT layouts in ICE software can be exported to Revit® for integration with architect and designer files and shared with stakeholders.

46. Every year DIRTT produces hundreds of small projects (under $100,000) in the standard four-week maximum lead-time without hampering larger projects going though the factories. ICE software allows this kind of nimble manufacturing thanks to its 'What You Draw Is What You Get' intelligence.

DIRTT is a leader in sustainable design for pre-engineered walls. It was the first company in the modular interior industry ever to receive the "Excellence in Partnership Award: Industry Green Contractor" from the Coalition for Government Procurement (2006). The award was due to the ability of DIRTT Walls to support any new or legacy furniture for government agencies, and because the horizontal support means all furniture module sizes are still viable after reconfigurations. DIRTT is the recipient of numerous national and international awards.

DIRTT doesn't rest on laurels. We are constantly innovating in our efforts to produce cost-effective, beautiful and environmentally responsible architectural solutions. Those efforts have made us North America's leading manufacturer of modular walls.