



GP PRACTICES LOOKBOOK

Shaping Tomorrow's Spaces, Today



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Who are Architectural Wallsz?

Architectural Wallsz is a family-run business dedicated to transforming the construction industry's outdated and unreliable practices. By harnessing modern methods of construction (MMC), we design innovative solutions that prioritise sustainability, adaptability, and efficiency. Our innovative techniques, including prefabrication and cutting-edge design software, streamline the process from concept to completion, shortening project timelines and reducing costs. At Architectural Wallsz, we create structures that champion growth, health, well-being, and environmental consciousness, paving the way for a brighter future in construction.



ICE Design

- High-quality visuals and precise 3D renders that bring designs to life.
- Virtual Reality (VR) allows clients to fully experience their design before construction starts.
- Removes the risk of misunderstandings with clear visual representations.
- Ensures decisions are made early, streamlining the overall process.
- Provides transparent pricing with no hidden or unexpected costs.
- Guarantees predictable outcomes - what you see in the design is precisely what you get in the final product.



Offsite Manufacturing

- Constructed in a controlled factory environment for optimal precision and quality.
- Significantly reduces onsite labour costs and disruptions.
- Utilises recycled denim for insulation, promoting sustainable practices.
- Ensures consistent, superior quality across all builds.
- Precision-built in 21 days or less.
- Delivered preassembled with integrated technology, plumbing, and other essential systems.
- Factories powered by 100% renewable energy for environmentally conscious manufacturing.



Onsite Installation

- Swift installation process ensures projects are completed rapidly.
- Reduces disruption to surrounding environments.
- Eliminates waste by avoiding offcuts during construction.
- Requires fewer site deliveries, minimising logistical challenges.
- Significantly lowers labour demands on-site for enhanced efficiency.
- Utilises reusable and recyclable packaging to promote sustainability.
- Eliminates the need for specialised onsite labour, as systems like plumbing and technology are fully integrated during preassembly.



Reuse and Reconfigure

- Designed for reusability and adaptability, our modular solutions can be easily reconfigured to suit changing needs.
- Actively reduce waste by enabling reconfiguration and reuse, reducing the demand for disposable components.
- Save costs by reducing the need for new materials and construction.
- Embraces circular economy principles by focusing on reusability and resource efficiency, reducing environmental impact and promoting sustainability.

Benefits of Prefabricated Interiors

Reduced Project Timelines

Prefabricated solutions streamline construction by enabling concurrent site preparation and offsite fabrication, ensuring faster healthcare facility availability.

Cost Saving

We offer accurate cost estimates and reduced onsite labour for better budget control. Our modular designs also allow for adaptability, enabling future cost savings.

Consistent High-Quality

Prefabricated components ensure superior quality, uniformity, reduced onsite variability, and enhanced patient safety through controlled manufacturing.

Design Certainty

Using our ICE software to deliver accurate visuals, that are then sent straight to the manufacturer, ensuring precise execution and eliminating traditional discrepancies.

Sustainable Approaches

Our solutions adapt for reconfiguration and expansions, enabling healthcare facilities to meet changing needs, reducing waste, and supporting sustainability.

Standardisation

Utilising standardised components, we streamline procurement, enhance the efficiency of installation and maintenance, leading to less downtime with predictable outcomes.

Enhanced Risk Management

Prefabricated solutions reduce risks related to installation errors, quality inconsistencies, and project delays, ensuring safer, more reliable, and efficient construction process.

Efficient Maintenance

Simplified maintenance with standardised components ensures long-term reliability and lowers lifecycle costs for easier, more manageable, cost-effective upkeep.

Streamlined Site Logistics

Efficient onsite assembly reduces disruptions, optimises coordination, leading to smoother execution with minimal impact on surrounding operations.

45%

Reduction in Carbon Dioxide

30%

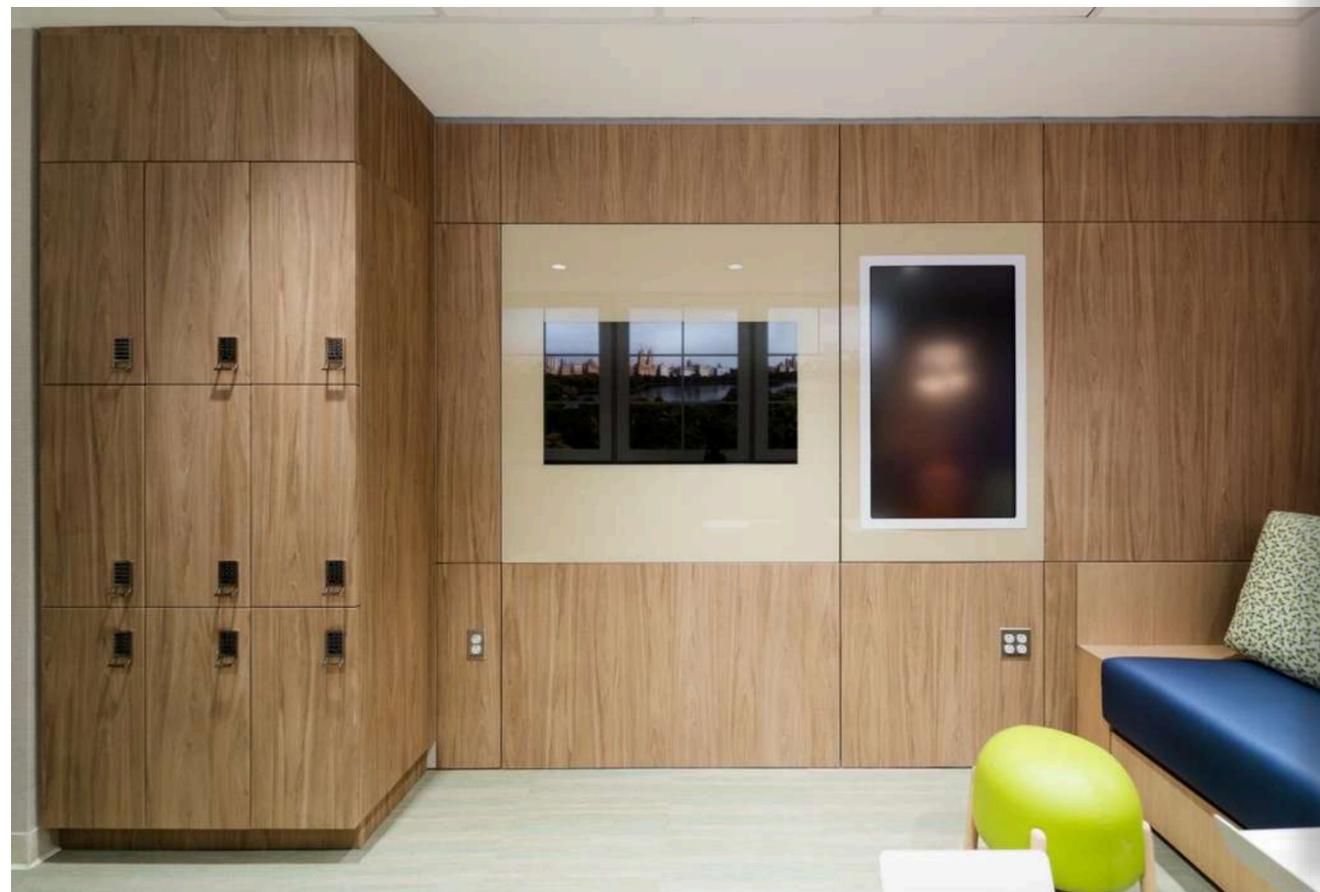
Reduction in Project Schedules

53%

Less CO2e with Recycled Denim Insulation



MEDICAL CASEWORK



AWallsz brings precision-manufactured construction to casework, cabinets, and storage, offering tailored solutions through our design-integration platform, ICE. Whether you need plumbing, technology, passthroughs, medical equipment, or custom hardware, we seamlessly integrate it. With ICE software feeding directly to the factory floor, waste is minimised, and no standard sizes limit your design, narrow, angled, or uniquely shaped casework can be created effortlessly and cost-effectively.

Features and Benefits

- Constructed with Durable, Robust and High-Quality Pulls, Hinges, and Slide Options
- Innovative Toe-Kick Design with Built-In Adjustability
- Clinical-Grade Antimicrobial Finishes

Optional

- Bow, Rod or Tab Style Pulls
- Customisable Access Cut Outs for Sharps Containers, Gloves Boxes, Gown Dispensers, etc.
- Combine with **Sink Module**



Tokai Carbon

Project Type: Office

Challenge

Tokai Carbon, a Japanese manufacturing company, reached out to Architectural Wallsz to enhance the look and functionality of their office boardroom. The casework needed to match the aesthetic of the current boardroom, whilst enhancing the functionality of the space.

Solution

AWallsz provided Tokai Carbon with a bespoke prefabricated solution. This included bespoke casework designed for versatile functionality, adapting seamlessly to various uses. The integrated media and writable surface adds additional functionality, for enhanced boardroom meetings.

Outcome

The new casework embodies various compartments, allowing multiple use, whilst exuding the professional aesthetic of the boardroom. The integrated media and writable surfaces now facilitate more dynamic meetings, fostering seamless collaboration and efficient presentations.



CONSULTATION ROOMS



Architectural Wallsz's Consultation Rooms are designed to create private, high acoustic spaces that enhance patient comfort and ensure privacy during medical consultations.

These prefabricated modular rooms are built to meet healthcare standards, with easy-to-clean surfaces and integrated technology options. The rooms can also be quickly reconfigured or expanded to accommodate changing healthcare needs, offering a flexible solution that minimises disruption and maximises efficiency within medical environments.

Features and Benefits

- High Acoustics, Tested to 51db
- Clinical-Grade Antimicrobial Finishes
- Optimise Available Space
- 10-Year Warranty on Materials

Optional

- Bespoke Graphics
- Writable Surfaces
- Integrated Technology
- Integrated **Sink Module**
- **Casework**



Eagle Ridge Hospital (Fraser Health Authority)

Project Type: Hospital

Challenge

Eagle Ridge Hospital, part of Fraser Health Authority, needed to expand and renovate its emergency department with a future-proof design. They wanted a solution that not only addressed immediate needs but also provided long-term efficiency and adaptability.

Solution

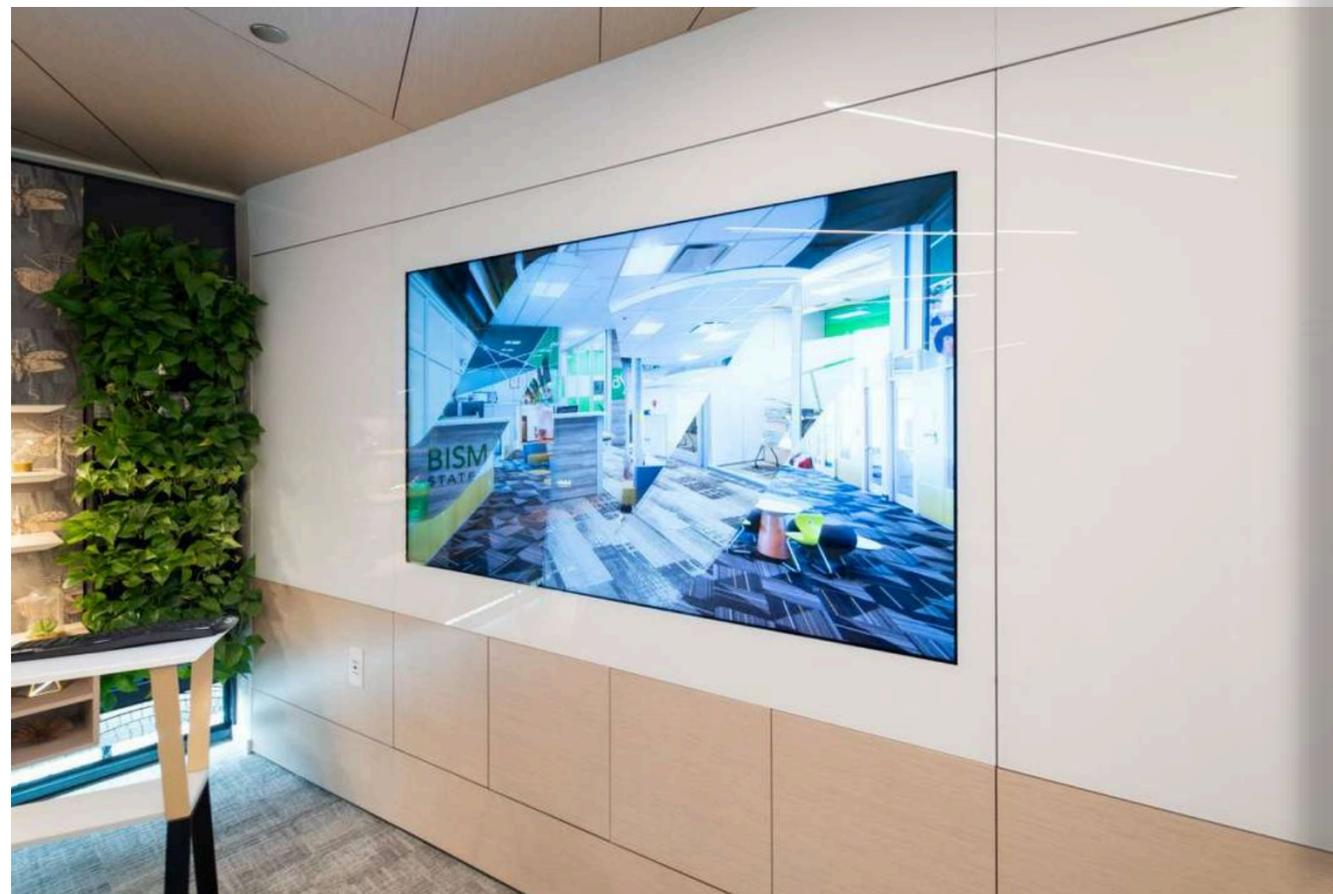
DIRTT modular solutions offered Fraser Health more than just medical-grade finishes to enhance infection prevention and control. With easily accessible wall cavities, maintenance and adjustments could be done quickly and cleanly, avoiding lengthy department closures. Custom features like distraction graphics in the diagnostic cardiology lab and durable wall panels in infusion bays further enhanced functionality and patient care.

Outcome

The updates provided peace of mind and significantly improved efficiency. Eagle Ridge staff gained a space that could easily adapt to future changes, all while delivering a better patient experience in a safe and functional environment.



INTEGRATED TECHNOLOGY



We offer cutting-edge audio and video solutions to enhance your space. Our versatile media walls allow seamless integration of hardware into your design, whether through sleek wall-mounted devices or embedded technology for a clean, modern aesthetic. Enjoy the functionality you need today, with the flexibility to adapt as technology evolves.

Features and Benefits

- Integrated Hardware
- Ease of Access to Devices for Maintenance and Adjustments
- Adaptable Construction System, allowing Ease to Update Evolving Technology
- Precise Fit and Finish

Optional

- Solid Integrated Display
- Glass Integrated Display
- Wall- Mounted Display
- **Casework** Enclosure
- Flush-Mounted Display
- Bespoke Graphics



Excel Health

Project Type: Hybrid Healthcare Clinic

Challenge

Excel Health aimed to create a ground-breaking healthcare facility that combined two distinct services, a durable, high-traffic walk-in clinic and a high-end private clinic with premium amenities. Traditional construction methods often struggle to blend these contrasting requirements efficiently, leading to increased costs and extended timelines.

Solution

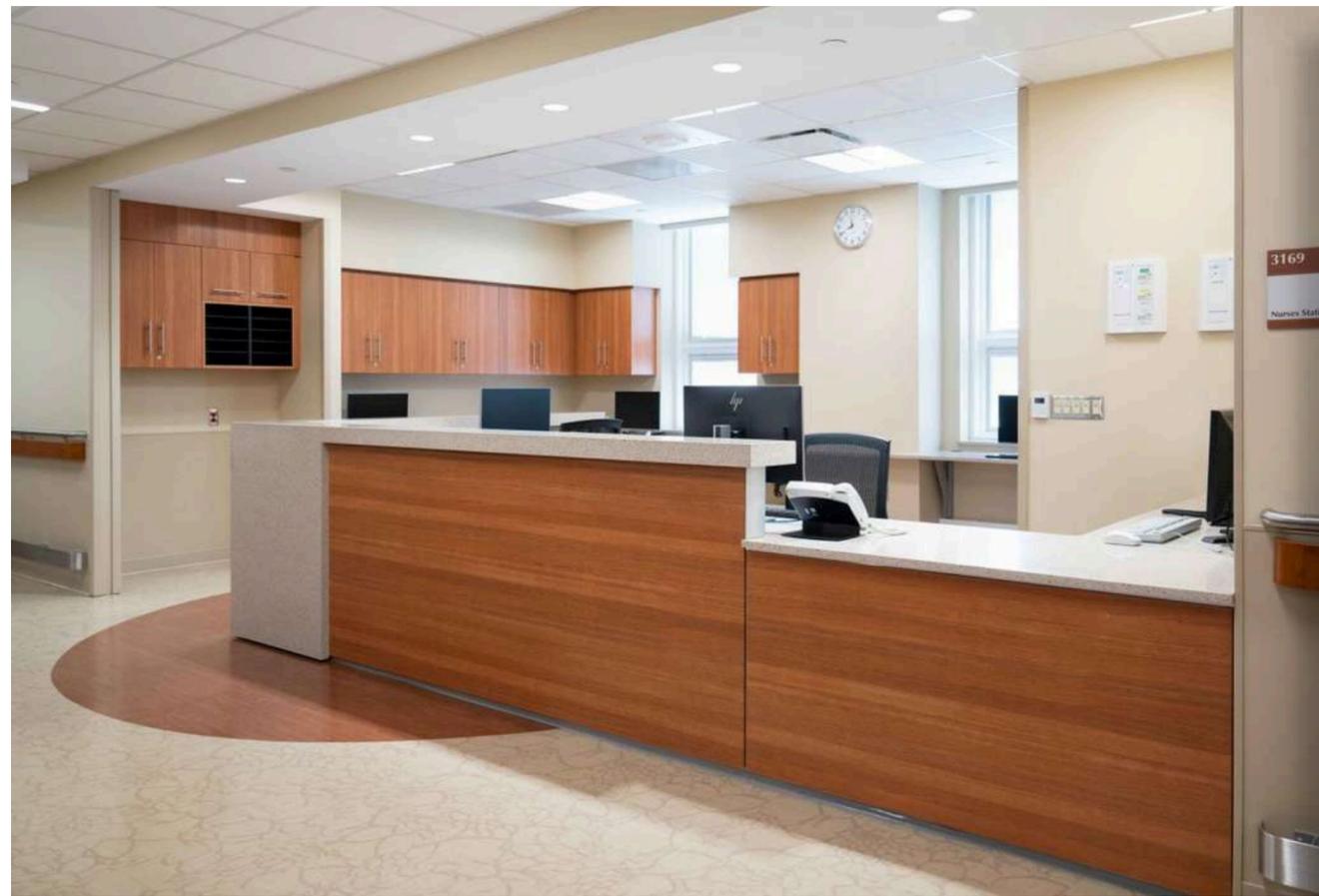
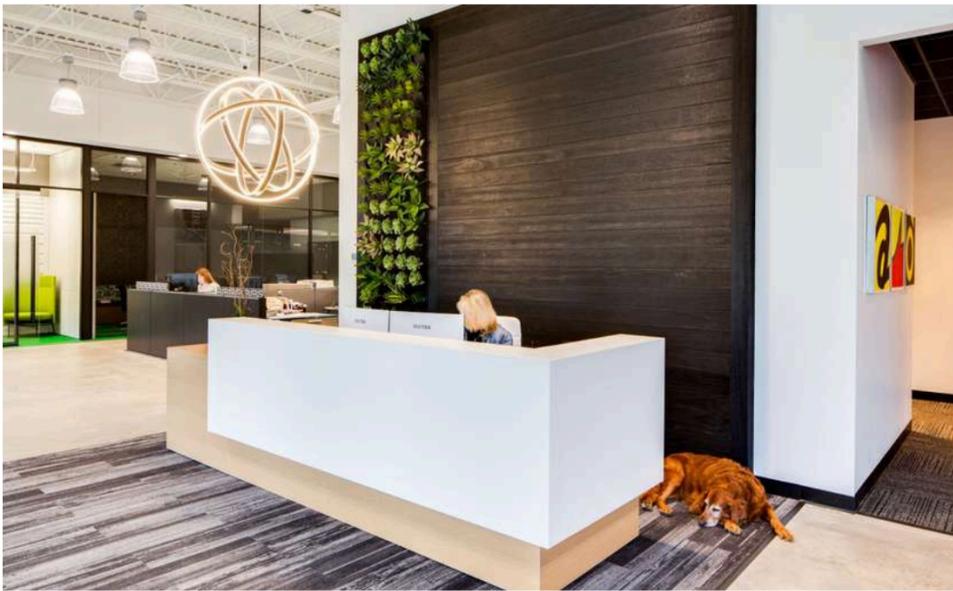
DIRTT's precision manufacturing enabled Excel Health to achieve both objectives seamlessly. By producing everything to exact specifications in their factory, DIRTT eliminated the need for expensive customisations while maintaining high quality. This approach allowed the clinic to incorporate luxury features like lounge areas, massage rooms, and a gym without compromising the functionality of the walk-in facility.

Outcome

The project was completed in half the time conventional methods would have required, enabling Excel Health to open its doors much sooner. This rapid turnaround allowed them to start providing world-class medical care without the delays and financial burdens typically associated with complex construction projects.



NURSES' STATIONS



Our prefabricated Nurses Stations have been designed to meet today's needs whilst being adaptable for tomorrow's challenges. Effective design elements from 30 years of healthcare experience to the use of innovative materials - help lower the risk of Bioburden and improve storage and ergonomics for all, ensuring inclusivity and staff and patient wellbeing. Every element of these units is completely customisable in size, finish and storage capacity, ensuring optimal functionality for your space.

Features and Benefits

- 10-Year Warranty on All Materials
- Customisable Storage Capacity and Size
- Wide Range of Finishes
- Integrated Power and Data Sources
- Easy to Clean Surfaces
- Compatible with all healthcare cleaning procedures

Optional

- Combine with **Casework**



Anderson Dental

Project Type: Dental Practice

Installation: 7 Days

Challenge

Dr. Anderson envisioned a modern, clean workspace with warm wood accents and abundant natural light. His new office, a long rectangular space, required a strategic design to maximise brightness while maintaining an inviting atmosphere.

Solution

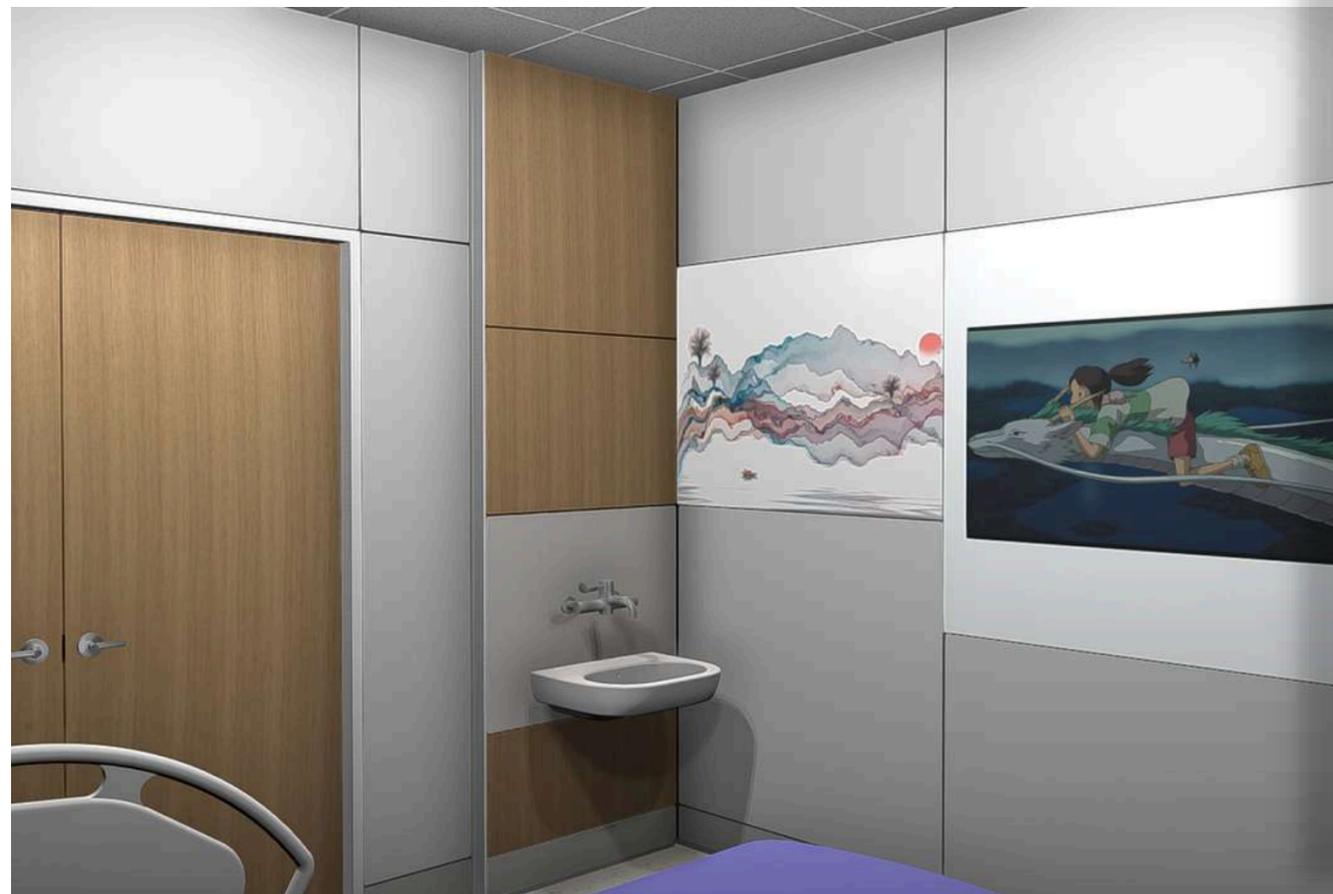
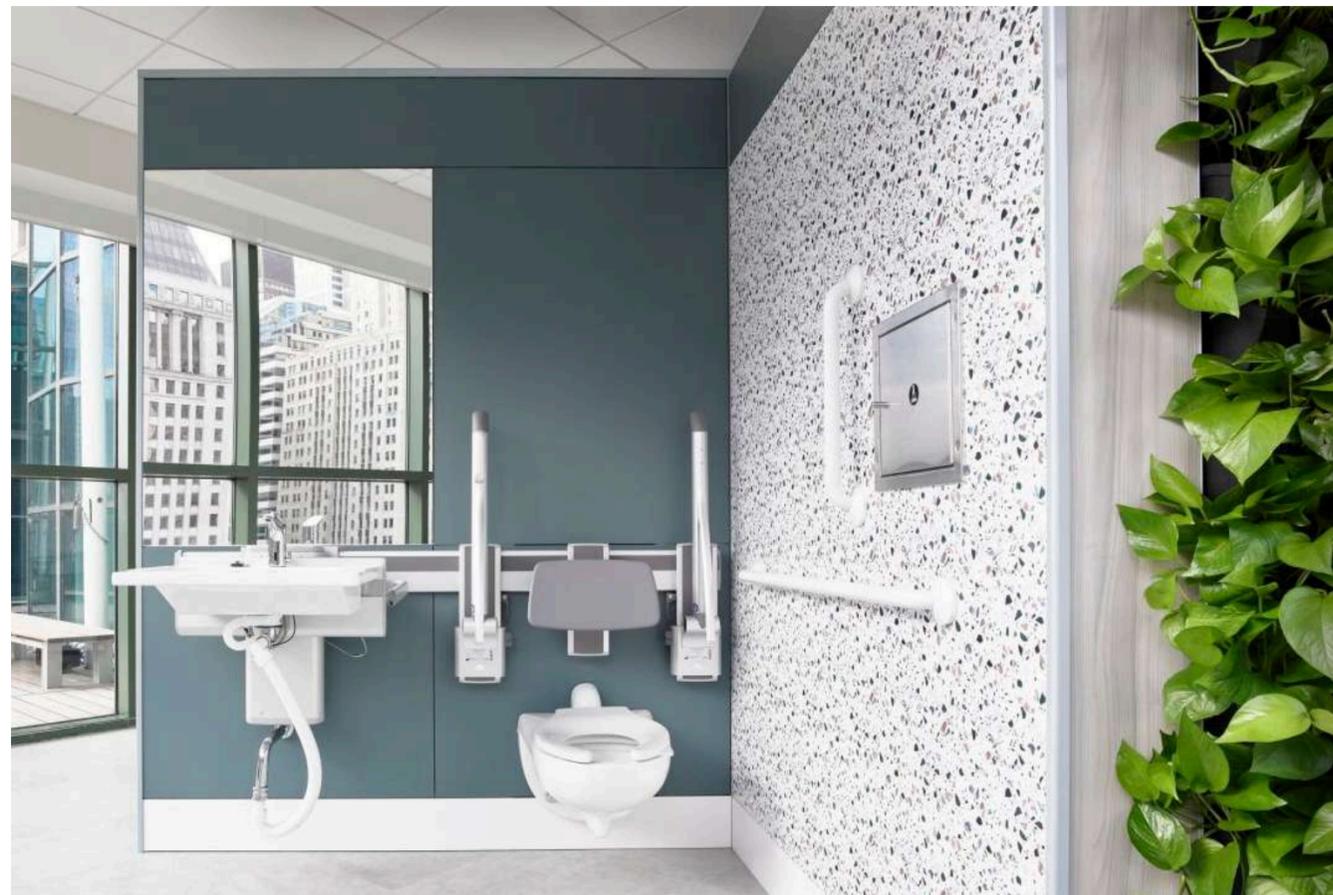
DIRTT provided a cost-effective solution by incorporating glass panels at the top of stacked modular walls, allowing light to flow seamlessly throughout the space. The wood veneer complemented the desired aesthetic, while durable, easy-to-clean finishes ensured practicality. Beyond aesthetics, DIRTT's modular system simplified maintenance and renovations, offering long-term flexibility to accommodate evolving dental technology.

Outcome

The redesigned office successfully blended style and function, creating a bright, adaptable environment. The DIRTT solution not only met Dr. Anderson's vision but also ensured effortless future upgrades, keeping his practice modern and efficient.



SINK MODULES



Our prefabricated handwash stations can be designed to maximise the use of your space and provide you with efficient, compliant handwashing solutions. These modules can be pre plumbed directly into our smart wall system, combined within our bespoke casework solutions, or supplied separately to integrate into your existing facility. Through our invested partnership with innovative and sustainable hygiene companies, we are constantly taking steps to mitigate water, energy and material waste.

Features and Benefits

- Integrated Plumbing
- Product-Neutral - You Specify the Solutions Required, We Supply and Install
- Durable, High-Quality Wall Materials
- Frames, Gaskets and Wall Panels all have a 10-Year Material Warranty
- Relocatable System
- Slimline System

Optional

- Bespoke Graphics
- Combine with **Casework**



Exhibition Segregation Pod

Project Type: AWallsz Exhibition Pod

Installation: 8 Hours

Challenge

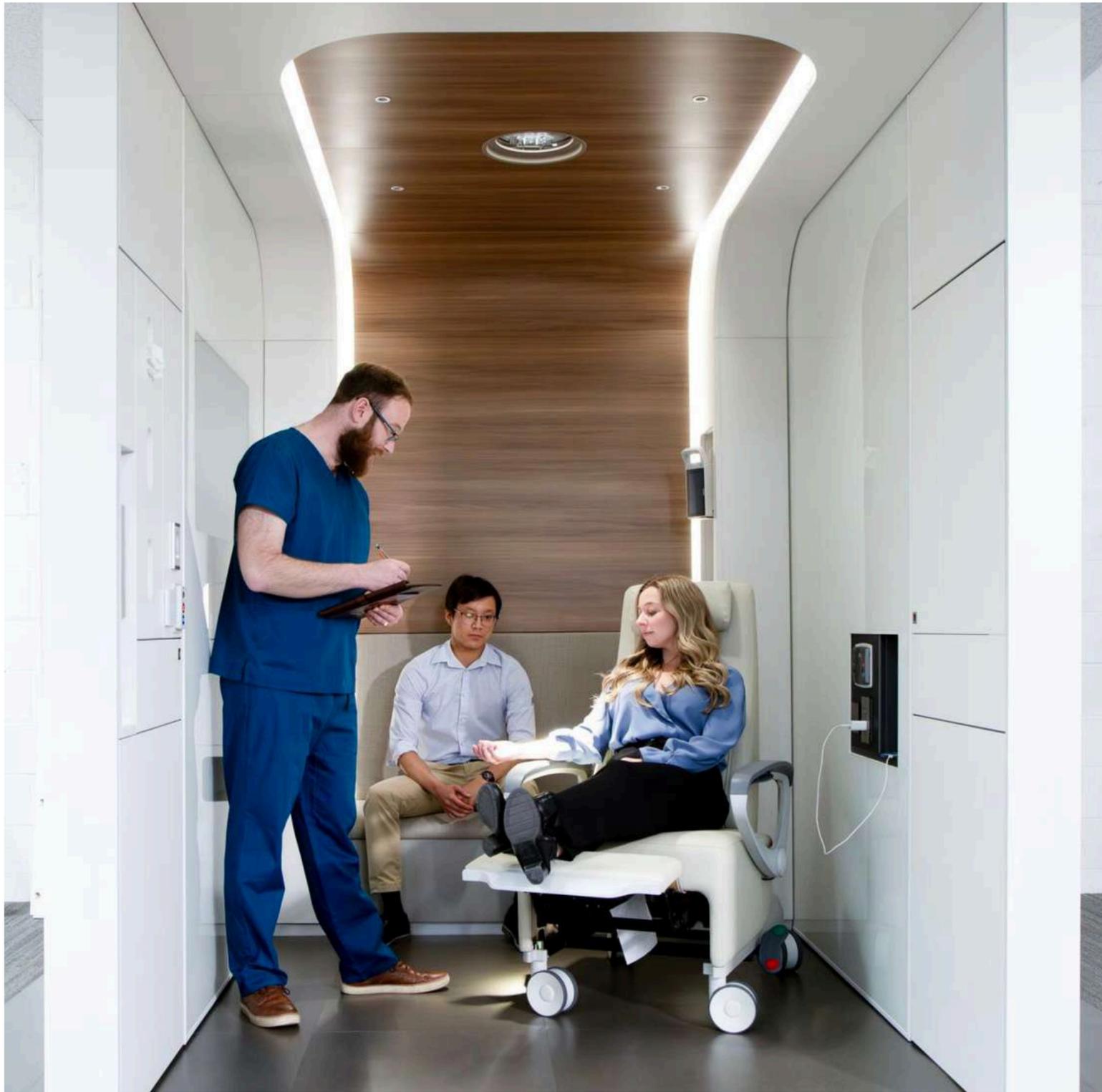
AWallsz required a fully functioning Negative Pressure Segregation Pod for an exhibition, with strict time constraints for installation and removal. The setup had to be completed within an 8-hour window, while dismantling needed to be equally efficient, limited to just 4 hours.

Solution

A pre-plumbed, plug-and-play system enabled minimal installers to swiftly deploy the Segregation Pod. The prefabricated design facilitated rapid assembly within the allotted timeframe, ensuring seamless functionality for demonstration purposes. It also allowed for quick and easy disassembly, aligning with the event's strict scheduling demands.

Outcome

The prefabricated Segregation Pod was successfully showcased at the exhibition, allowing attendees to explore its full functionality. The flexible design enabled multiple reassemblies and adaptations to fit various exhibition stand spaces. This solution not only demonstrated efficiency in temporary setups but also showcased a scalable approach for future applications requiring rapid deployment.



COVE



The Cove redefines efficiency and patient-centred care with its compact, scalable design, ideal for boosting facility throughput. Its revolutionary approach integrates advanced technology, featuring an embedded display, convenient mobile device storage and charging station, and a dedicated area for care partners. Patients are empowered to personalise their experience, with intuitive controls for lighting and nurse calls through a durable console. Combining innovative functionality and thoughtful comfort, the Cove sets a new benchmark in modern healthcare design.

Features and Benefits

- Integrated Technology, Power and Data
- Medical Gas and Suction Alcove
- Diagnostic Equipment Storage
- Integrated LED Lighting
- Sharps disposal with RFID Locks
- Oxygen Outlet and Regulator
- Accessible Infrastructure Compartment
- Room Lighting Control
- Patient Control Centre and Storage
- Adjustable Exam Light
- Physiological Monitor

Optional

- Bespoke Graphics



Get In Touch

Interested in learning more about prefabricated healthcare solutions?

Get in touch with us at Architectural Wallsz today to see how we can help you transform your healthcare facility with flexible, future-proof solutions



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