

Architectural Wallsz
Modular Healthcare Solutions

HEALTHCARE DESIGN

Giving you the AWallsz solution



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Who are we?

Architectural Wallsz is a family-run business on a mission to introduce a new era of interior construction through prefabrication. We are committed to revolutionising the industry by embracing efficiency, sustainability, and adaptability, all within the framework of the Circular Economy. With our innovative techniques, we aim to create structures that excel in the promotion of growth, health and well being, and environmental consciousness. Count on us to always provide you with a solution as we work together to shape a future where construction is both forward-thinking and sustainable.



The Conventional Challenge



The AWallsz Solution

Our vision and values



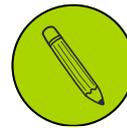
The AWallsz solution

We provide a full, end-to-end solution. From design to fit out, we will always find a solution to make your environment work.



Vision

If you have a need for prefabricated products, walls, or Segregation Pods, we design to your building footprint.



Concept

We create photo realistic visual packages - giving you certainty of design and cost.



Install

With our background in interior fit-out solutions, we can design and install, providing an end-to-end, service.



Rapid

Our prefabricated products are all assembled off-site. Ensuring rapid and clean installation when on site.



Sustainability

Sustainability is at the forefront of our companies values. We strive to fulfil every task we undertake with sustainability in mind.

VISION

SEGREGATION POD

The AWallsz Segregation Pod is a Negative Pressure room, designed to enhance patient and staff safety. Using HEPA 14 Filtration, with 99.997% purification efficiency, the pod minimises the risk of infection through airborne transmissions.

This prefabricated, plug and play system has the ability to integrate plumbing, med gases, electrics and technology, and is designed specifically to fit your space.

With our range of antimicrobial finishes, whiteboards and custom graphics, this protective space can also be calming and interactive.



RAPID

- HEPA 14 FILTRATION**
- INFECTION PREVENTION**
- NEGATIVE PRESSURE**
- HEALTH AND WELLBEING**



FEATURES OF THE SEGREGATION POD



1. Prefabricated - Framework
2. Integrated medical gases & power
3. Integrated plumbing module
4. Thermofoil panel finish
5. Bespoke graphics
6. 2000mm clear opening Break-Out door
7. Integrated whiteboard
8. Integrated HEPA 14 filter
9. Infection prevention gaskets
10. Sliding door mechanism



MEDICAL HEADWALL

By using offsite construction methods, our pre-plumbed Medical Headwalls reduce the number of trades on site and allow for fast, clean, sustainable construction.

Maintenance is hassle-free with our removable panels, finished in highly cleanable and durable materials, sealed with infection prevention gaskets. The adaptable and re-useable nature of our headwalls will help you demonstrate responsible and sustainable consumption and production patterns.

There is no limit to what we can fit inside or on to our headwalls, so let us know what you want to achieve from your bedhead services, and we will design a solution that best meets your needs.

CLEAN

- ADAPTABLE DESIGN
- IMBEDDED SERVICES
- ENHANCED DURABILITY
- CLEAN CONSTRUCTION

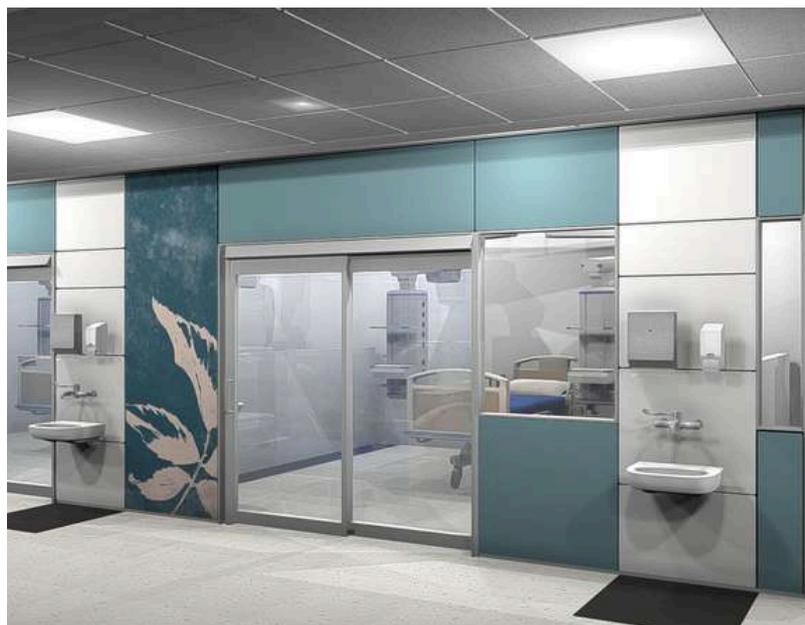


HANDWASH STATION

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.

All handwash stations are custom designed to best fit your space.



ADAPTABLE

- INNOVATION
- SPACE OPTIMISATION
- RAPID INSTALLATION
- ENHANCED SANITATION



NURSES STATION

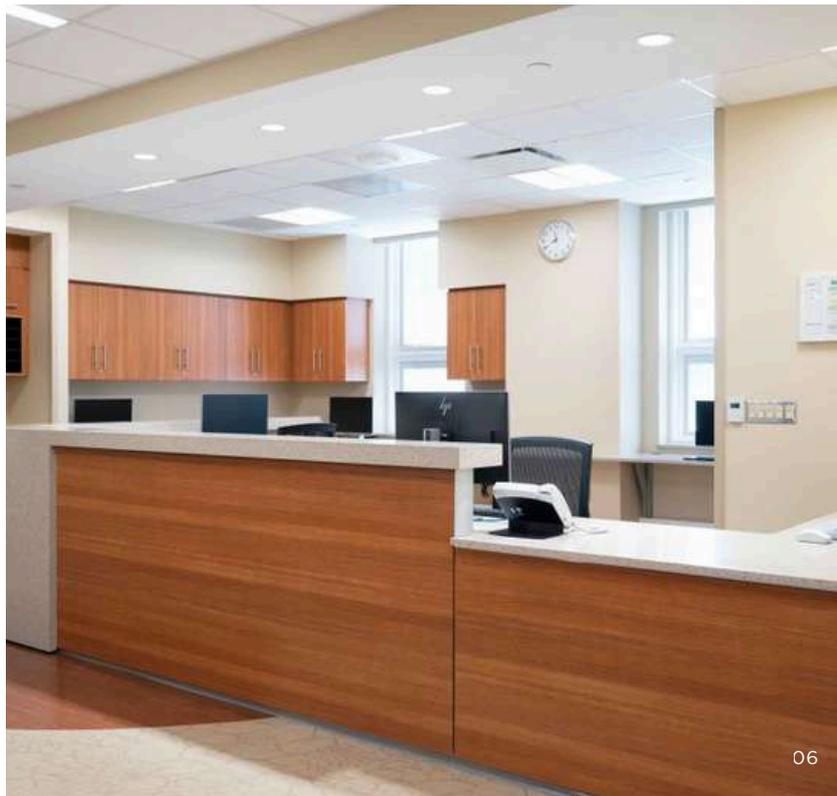
Our prefabricated Nurses Stations have been designed to meet today's needs whilst being adaptable for tomorrow's challenges. Effective design elements - from 30 years of healthcare experience to the use of innovative materials - help lower the risk of Bioburden and improve storage and ergonomics for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

All nurses stations are custom designed to fit your space.



CUSTOM

- INCLUSIVITY
- ADAPTABILITY
- ERGONOMICS
- HEALTH AND WELL-BEING



CASEWORK

A Wallsz takes the methods used in precision-manufactured construction and applies them to the world of casework, cabinets, and storage. To create the desired functionality and design required, our design-integration platform 'ICE' will allow you to tailor the solution to your operative and aesthetic requirements. We can integrate plumbing, technology, passthroughs, medical equipment, custom hardware and much more.

With the advanced design capabilities of the ICE software, feeding directly to the factory floor, off-cuts and waste are kept to an absolute minimum. There are no standard sizes; if your space requires narrow, angled, or oddly-shaped casework to maximise efficiency, this can be achieved cost-effectively and with ease.



RE-USEABLE

- MINIMAL WASTE
- DESIGN FLUIDITY
- MULTI-FUNCTIONAL
- COST-EFFECTIVE



Visual 01



Visual 02

FIRE-RATED HEADWALL

The Fire Rated Headwall offers the same capabilities as our standard medical headwall, but with a fire rating of 60 minutes in accordance with BS EN 1364-1 for fire resistance and BS EN 13501-1 for reaction to fire.

This Medical Headwall allows for customisation in both aesthetics and functionality, integrating medical gases, power and data, with bespoke finishes. The integration of these medical features allows for space optimisation and provides easy accessibility to vital medical equipment. Additionally, infection control is improved through the use of easy-to-clean finishes and reduced surface-mounted components. The headwall can be constructed as a back-to-back style as seen in visual 01. Alternatively it can be constructed as a curtain wall, as seen in visual 02.

COMPLIANT

- FUTURE-PROOF
- RECONFIGURABLE
- SPACE OPTIMISATION
- IMPROVED INFECTION CONTROL





How are we being sustainable?

Traditional construction often generates a significant amount of material waste due to inaccuracies, over-ordering, and on-site modifications. Prefabrication involves manufacturing components off-site in controlled environments, minimising waste through precise measurements and optimised use of materials.

Prefabricated systems are designed for quick assembly on-site, which reduces construction time compared to traditional methods. This not only saves money but also reduces the overall impact on the environment, as shorter construction periods mean fewer emissions and resource consumption. Our prefabricated solutions can often be disassembled and reconfigured, making them adaptable to changing needs over time. This reduces the need for complete demolitions and rebuilds, further minimising waste.

Prefabricated systems and rapid installation techniques are reshaping the construction industry, and incorporating sustainable practices like the use of cotton denim insulation. It is 80% post-consumer recycled content and contains 66% bio-based material. The final product is a 100% cotton fibre, a rapidly renewable resource.



Controlled Production



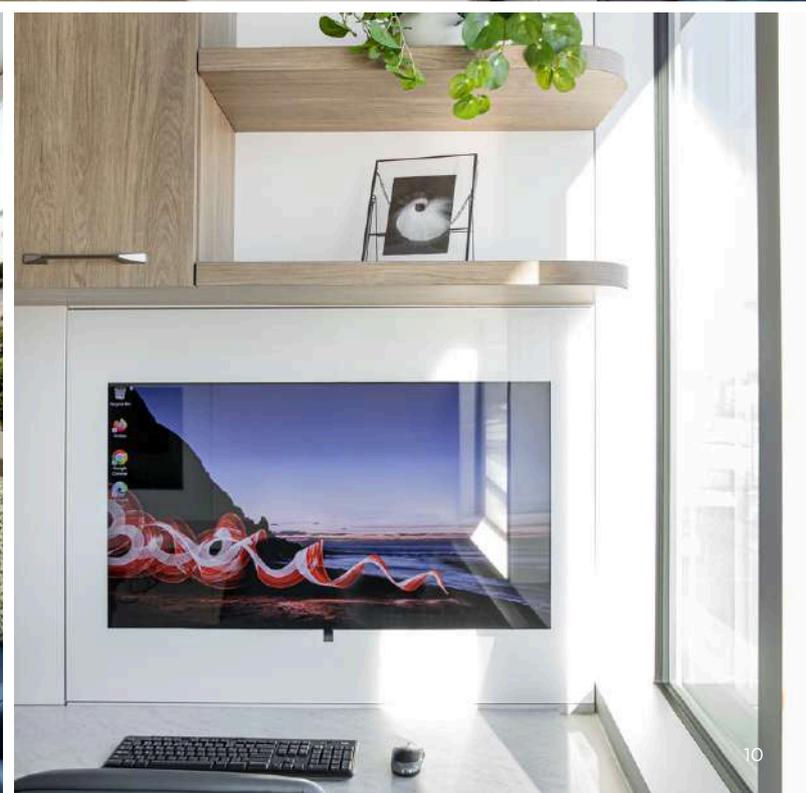
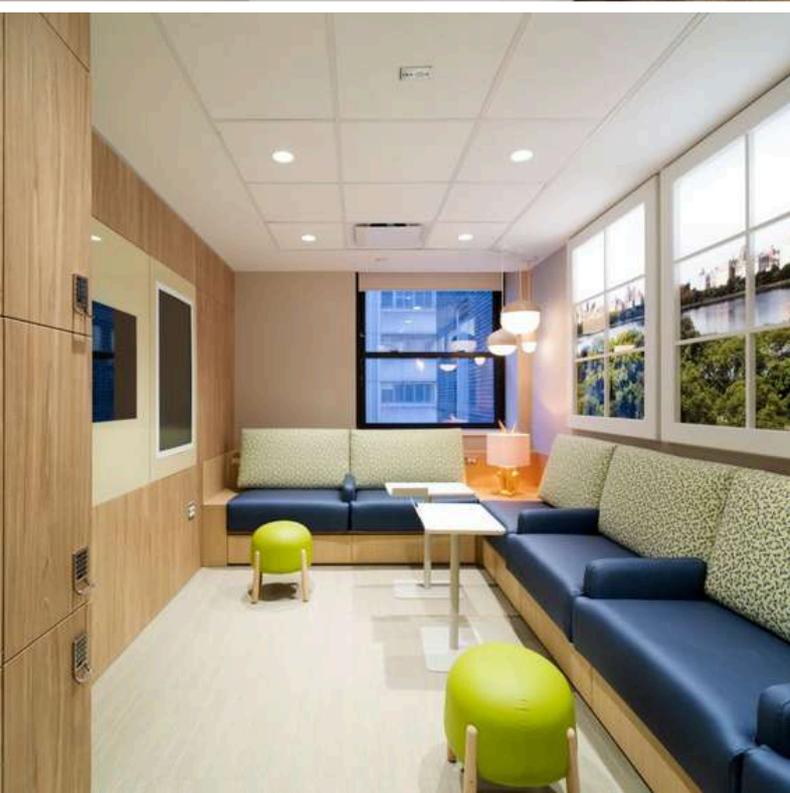
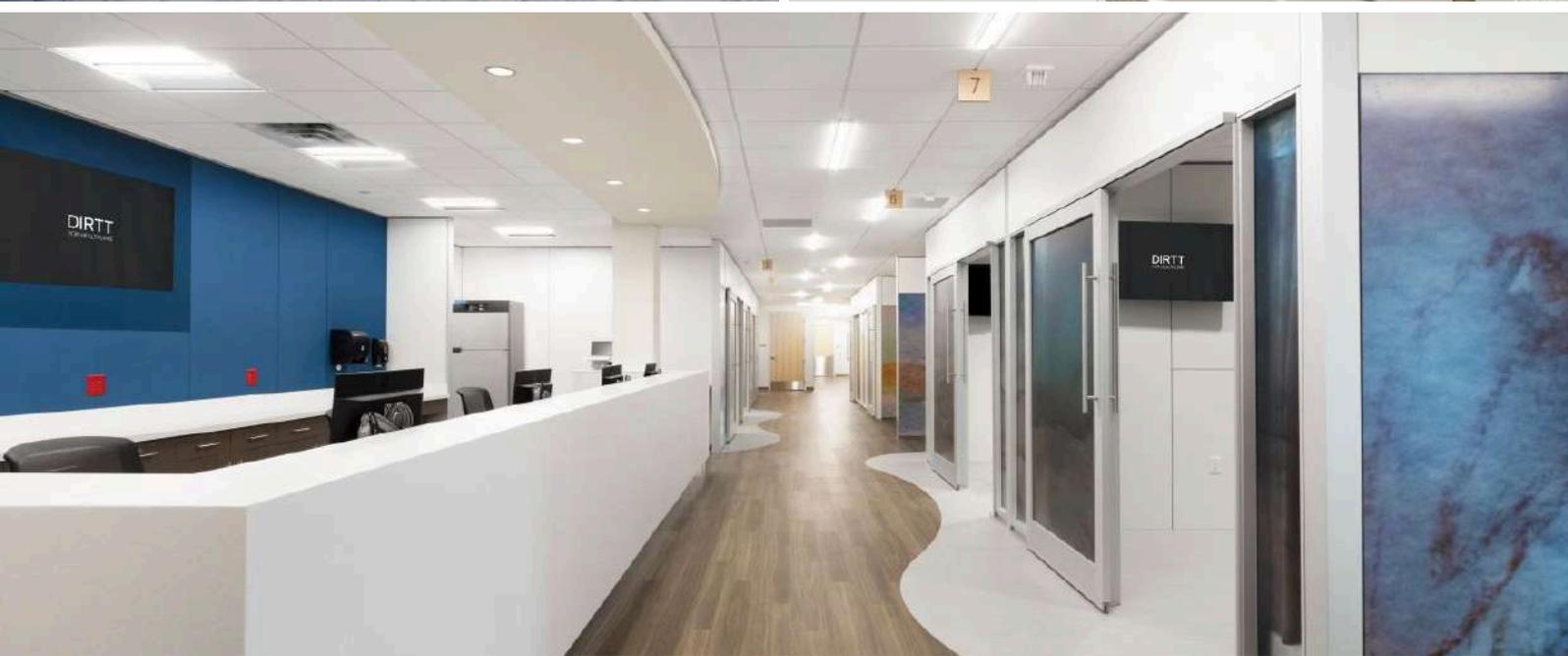
Denim Insulation



Clean Construction

Our Mission

Here at Architectural Wallsz, our mission is to introduce a new era of construction with prefabrication. We're committed to revolutionising construction by embracing efficiency, sustainability, and adaptability. Through our innovative techniques, we aim to create structures that are not only faster and more efficient but also kinder to the environment. Join us as we build a future where construction is smarter, greener, and more forward-thinking.





**If you would like more information
or design consultation, please get
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