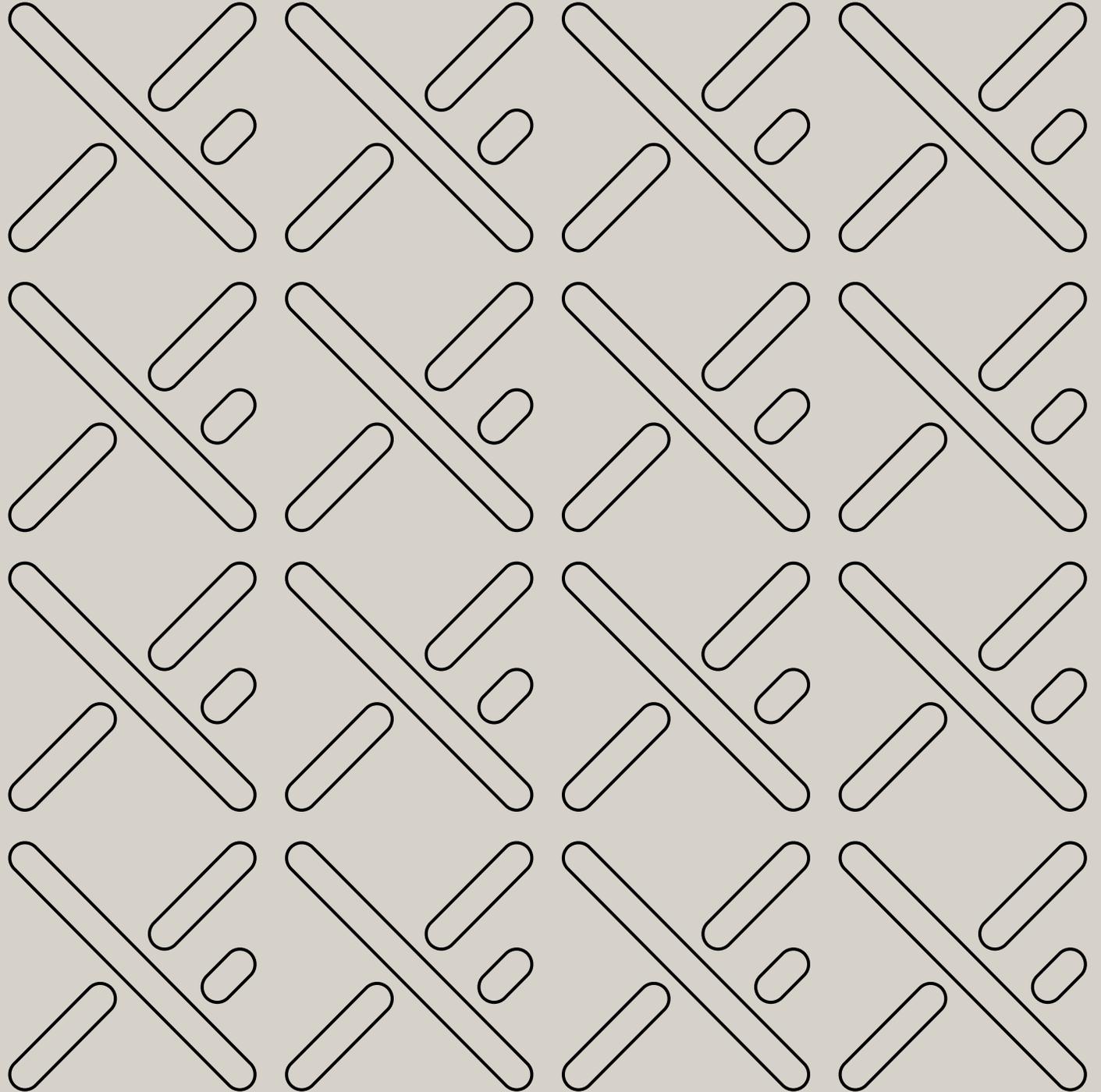


XFrame™ Interior Systems

# Interior Systems



## The XFrame™ System

Today more than 40% of the world's waste is the result of building, construction, renovation, and demolition practices. XFrame™ is a radical response to this global challenge.

Backed by a proprietary technology platform that automates design and manufacturing processes, XFrame™ has been developed as a prefabricated, lightweight engineered timber wall, floor and roof framing system that enables end-of-life recovery and reuse.

XFrame™ is manufactured from sustainably sourced (FSC certified) structural plywood using precise computer controlled milling machines to minimise waste. The finished product is a series of modular parts that are designed to clip together without the need for nails, screws or adhesives.

Using XFrame™ our goal is to make the deconstruction and reuse of building materials an attractive and economically feasible end-of-life material recovery strategy.



A kit of standard parts.



Made from natural and renewable materials.



Assembled without nails, screws or adhesives.



An engineered structure. Millimetre Perfect.



Scalable and flexible spaces.

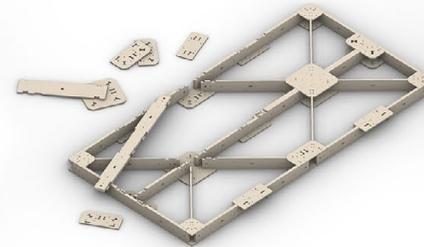
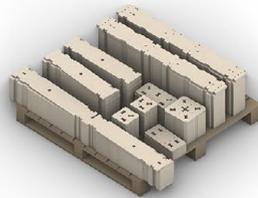
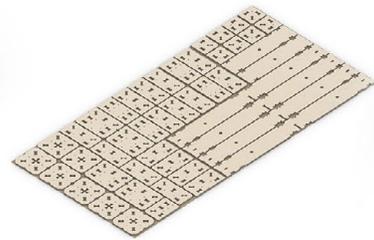


Designed for complete circularity.



# XFrame™ is a reconfigurable structural timber framing system that has been developed in response to the need to design buildings for change.

XFrame™ reduces end-of-life waste and provides the capability to repair, reconfigure, remove and reuse each and every building element.



## Carbon Sequestering.

XFrame™ parts are formed from fast-growing, rapidly renewable and carbon sequestering Pinus Radiata plywood sheets.

## Optimised Fabrication.

Computer controlled milling equipment transforms plywood sheets into structurally optimised XFrame™ components with very little waste.

## Standardised Parts.

XFrame™ is comprised of 12 standard parts capable of forming structural wall panels of any size in 600mm (3 foot) increments vertically and horizontally.

## Fully Reversible Connections.

XFrame™ parts form panels that can be reconfigured as required over time. Panels can be removed, parts changed as needed, and panels reinstalled.

## Adaptable Finishes.

The unique braced geometry of XFrame™ & an integrated reversible hidden fixing system means that lining materials can be quickly reconfigured without waste.

## XFrame™ Advantages

XFrame™ is manufactured from structurally graded engineered plywood using computer numerical control (CNC) equipment. The XFrame™ system comprises of twelve core components and is fully customisable.

XFrame™ is:

- Reconfigurable and adaptable in place.
- Simple in its design and construction.
- Fast and modular.
- Precise.

XFrame's key advantages and unique points of difference include:

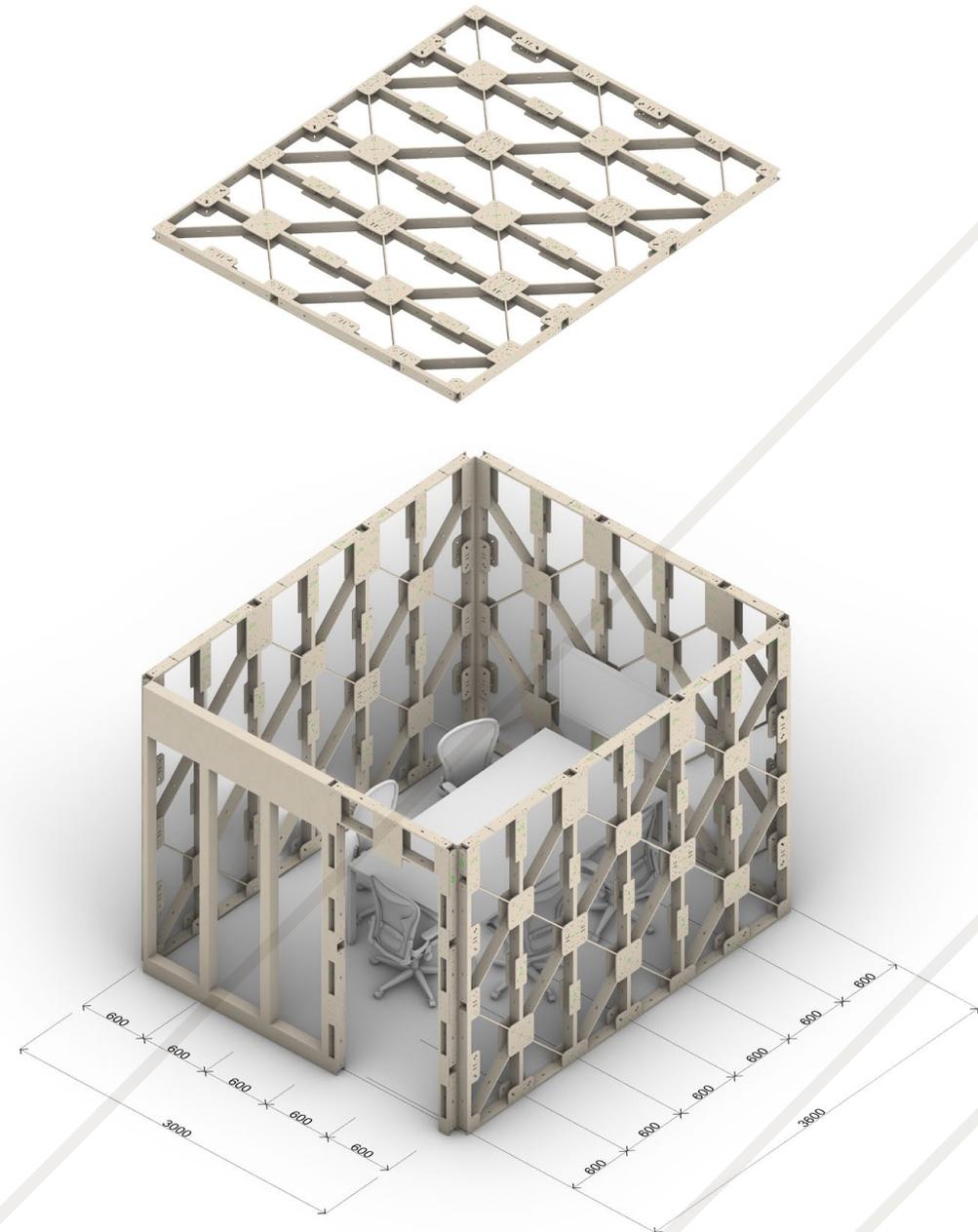
Manufactured from carbon sequestering sustainably grown softwood timbers and designed to produce minimal waste during fabrication (manufacturing yields exceed 92% on average).

Panels can be pre-assembled off-site to minimise on-site installation times. A standard 2400mm x 1200mm panel can be assembled in approximately 5 minutes.

On-site, XFrame™ panels can be rapidly stood, bolted, and clipped together. Panels are self-squaring and maintain a high degree of precision. XFrame™ panels can be completely freestanding or fixed to the base building with minimal damage and make-good obligations.

Lining installation on site is fast and precise. Standardised pre-cut wall panels are attached toolless with the use of hidden fir-tree clips.

XFrame™ panels and linings are designed to be easily deconstructed and reconfigured when required. All components can be directly relocated and reused.

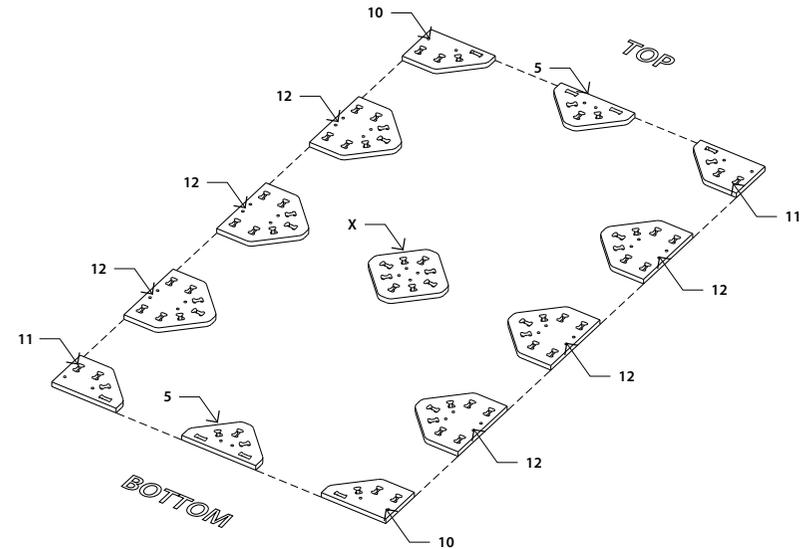


# Assembly

XFrame™ has developed an automated process for generating detailed assembly instructions to aid in kit-set assembly in the factory and on-site. XFrame™ instructions are optimised for each use case with consumer directed instructions set up based on smaller incremental steps. Assembly instructions for builders use a color coded system and sequential part numbering.

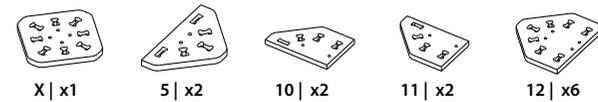


## Back Wall - Step 1 Single Person Booth



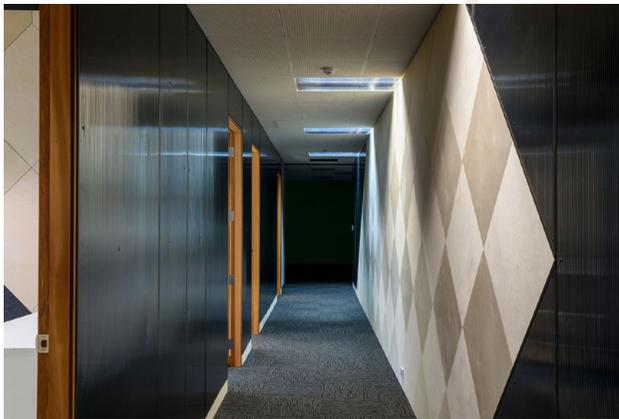
Approximately arrange 'locking-plates' on a hard flat surface as pictured.

**Parts Required:**



## Product Applications

Three XFrame™ product variations have been designed to service different use cases. Each system follows the same core logic of a scalable, self-braced, adaptable, and reversible wall framing system where components within each system are interchangeable.



### Fitout

Lightweight non-load bearing partition walls for commercial and retail use cases. An excellent internal partition wall solution that can be installed with minimal disruption, lined with prefabricated and prefinished panels and easily adapted over time as building users needs change.



### Load-bearing

Developed as a load bearing wall, floor and roof framing system the XFrame™ load bearing system brings the advantages of prefabrication and circularity to residential construction. Series 8 is ideal for any load-bearing modular construction up to two stories.



### Office

XFrame™ has been developed specifically for modular free-standing applications such as desk dividers, single, double, and four-person meeting rooms/booths as well as a range of kitset acoustic and privacy wall partitions. Kits can be installed by builders or owners.

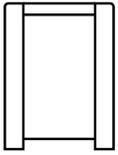


XFrame™ Office

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# XFrame™ Office

L = Length, W = Width, H = Height  
All dimensions in millimeters.



**Booths**  
(All 2100H)



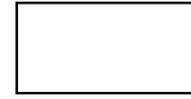
**Mini**  
(700W x 700L)



**Regular**  
(1290W x 1290L)



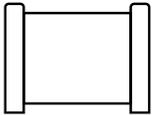
**Corner**  
(1290W x 1290L)



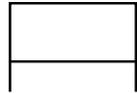
**TeleRectangular**  
(1290W x 2390L)



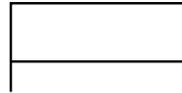
**TeleSquare**  
(1690W x 1690L)



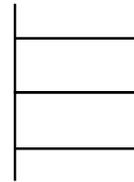
**Cubicles**  
(1100 - 1600H)



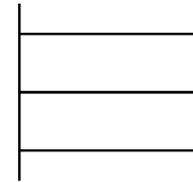
**Regular**  
(1290W x 1845L)



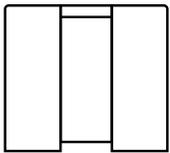
**Long**  
(1290W x 2390L)



**Double Regular**  
(2390W x 1845L)



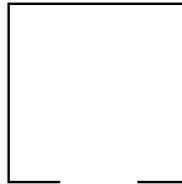
**Double Long**  
(2390W x 2390L)



**Meeting Rooms**  
(All 2100H)



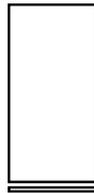
**Two Person Standard**  
(1290W x 2390L)



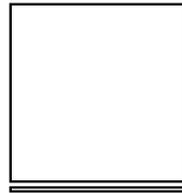
**Four Person Standard**  
(2390W x 2390L)



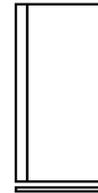
**Partitions**  
(All 2100H)



**Regular**  
(1050W x 2100H)



**Double**  
(2100W x 2100H)



**Corner**  
(1190W x 2100H)

## Kit Wall - Mobile Single Panel

A single ultra-compact acoustically controlled space for video calling in open offices. Designed to sit alongside structural elements to improve floor space utilisation.

Options to add wheels, clear lids, and join booths into rows for improved efficiency.



'Inset' Lining Options (Black, Grey, Neutral)



Exterior Lining Options (Black, Birch, White, Clear)  
(or exposed frame with internal lining only)



# XFrame™ MiniBooth Street

# Telebooth

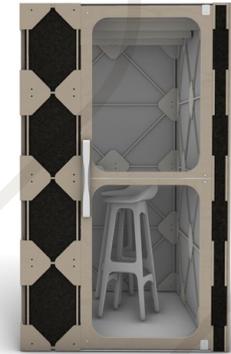
This Rectangular TeleBooth unit is an ideal huddle space for video conferencing with team members. These units are more compact than 2 or 4 person meeting spaces and ideally suited to video conferencing with team members.



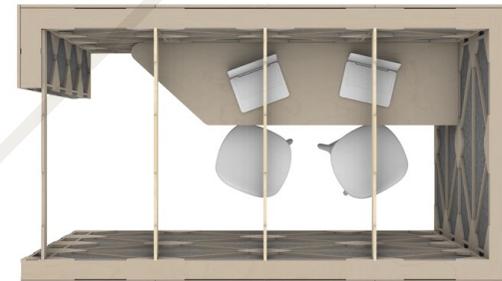
Birch Option



Exposed Option



Exterior Lining Options (Black, Birch, White, Clear)  
(or exposed frame with internal lining only)



Internal Lining Options (Black, Grey, Neutral)

## Mini Booth

A single ultra-compact acoustically controlled space for video calling in open offices. Designed to sit alongside structural elements to improve floor space utilisation.

Options to add wheels, clear lids, and join booths into rows for improved efficiency.



Birch Option



Exposed Option



Exterior Lining Options (Black, Birch, White, Clear)  
(or exposed frame with internal lining only)



Internal Lining Options (Black, Grey, Neutral)

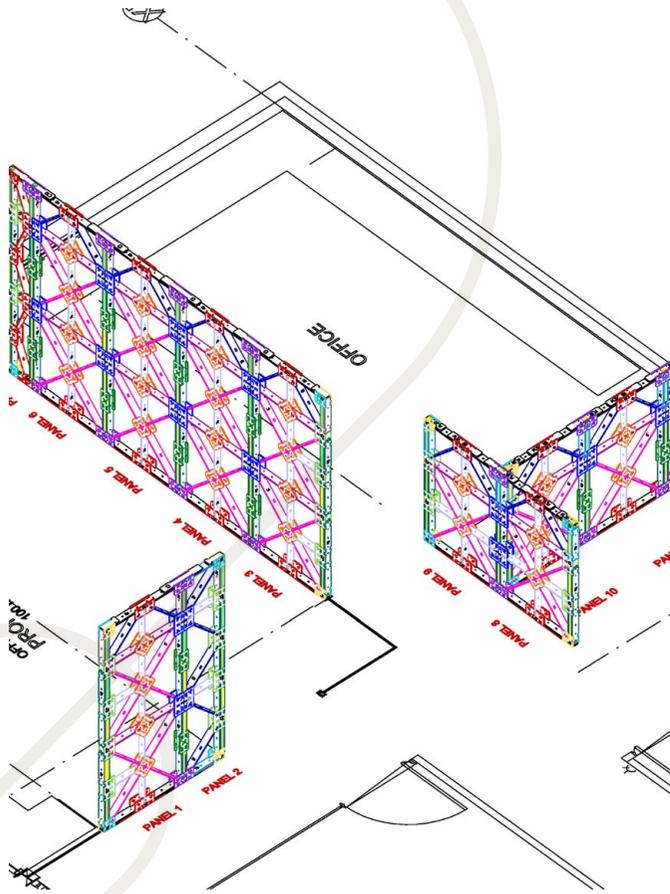


XFrame™ Fitout

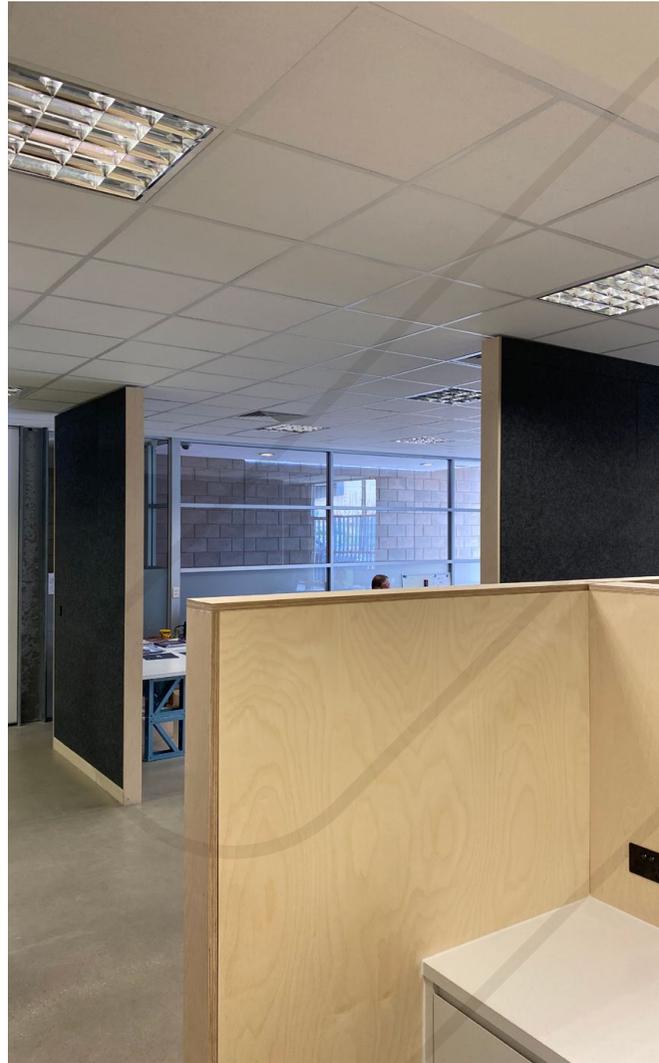


## XFrame™ Office Fitout

40m<sup>2</sup> of wall framing in thirteen 3m high floor to ceiling panels to create a fitout that requires minimal make-good at end of lease.



Panel Schematic



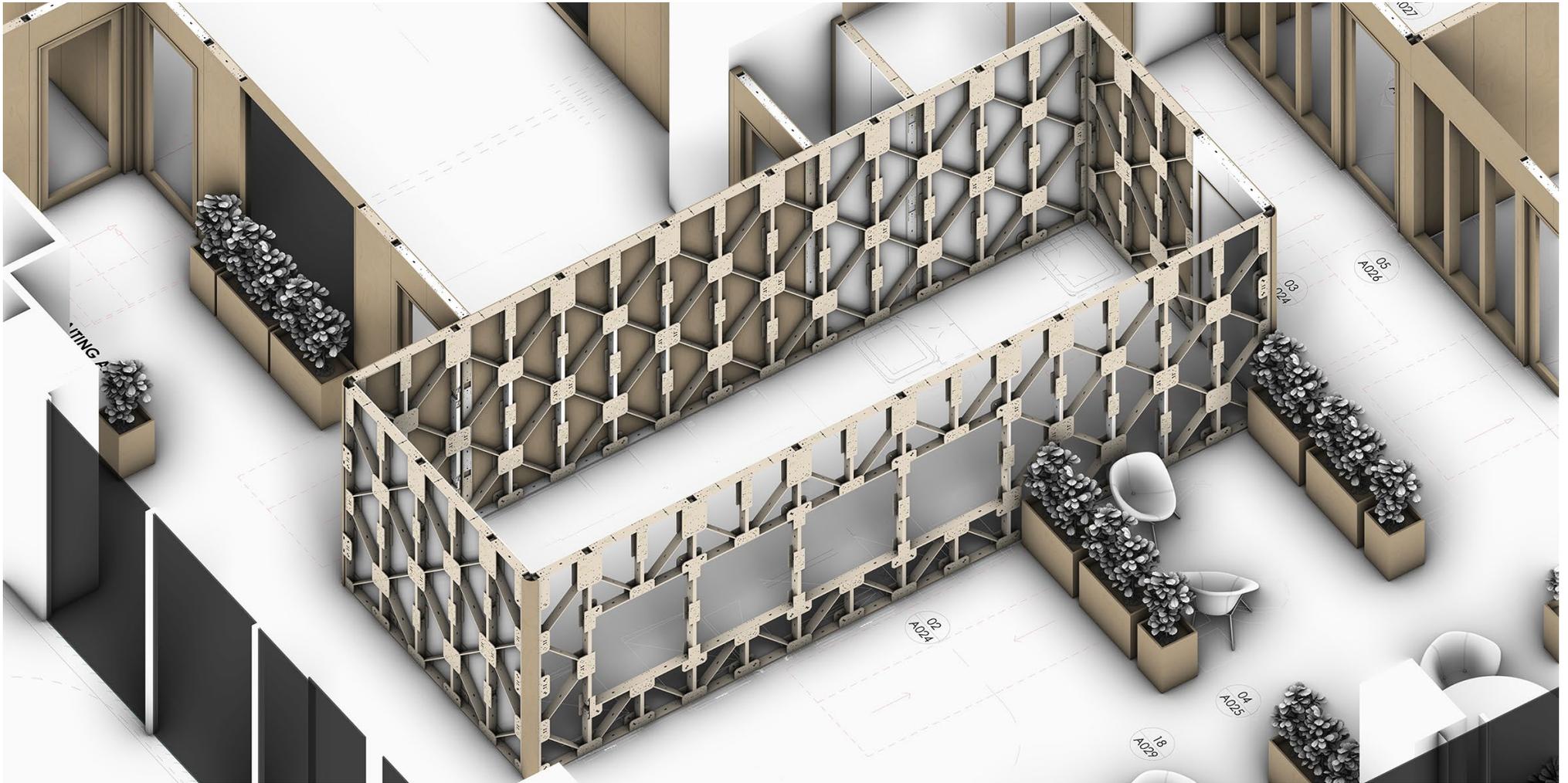
1800mm High Wall Panels



Prefabricated Linings and Skirtings

# XFrame™ Retail Fitout

Floor to ceiling internal partition XFrame™ panels in a commercial retail fitout





## XFrame™ Retail Fitout Prototype

Prefabricated meeting space (free-standing) within a larger office tennancy.  
Glazed doors, front wall glazing and services integrated into the base building.



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