

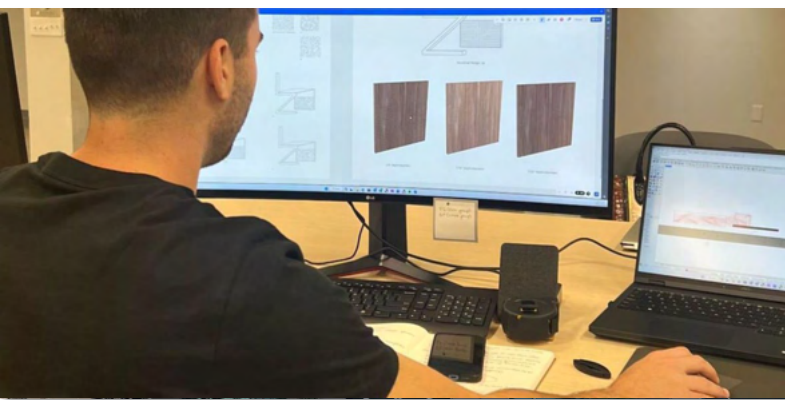


Etch™

Andalusia Design's Parametric Wood Wall System

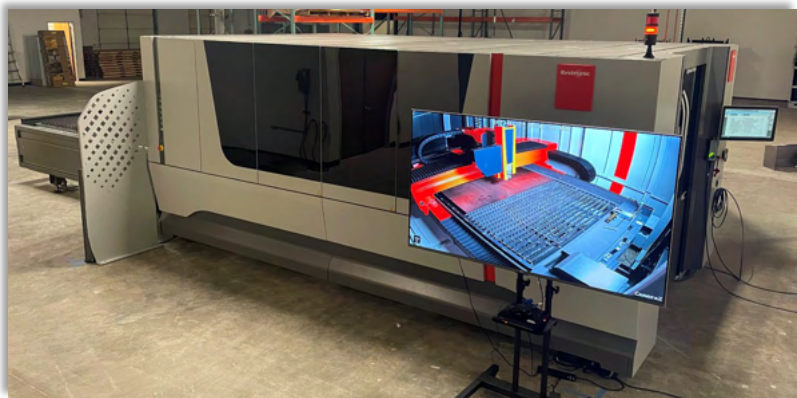
Andalusia Design

Headquartered in Austin, TX, USA, Andalusia Design combines parametric design capabilities with state-of-the-art digital fabrication equipment to deliver high quality architectural ceiling, space divider and wall solutions with unparalleled speed and efficiency.



Andalusia offers design services to help support the design, specification and delivery of all Andalusia products. Whether you're working in a basic 2D CAD file or a collaborative Revit environment, we will work with you starting as early as conceptual design.

Andalusia's factory has advanced metal digital fabrication and processing of aluminum and steel. Equipment includes a high-powered fiber laser for precision cutting and a large press brake for metal bending.



A large, multi-axis CNC wood router with automated infeed and outfeed is the anchor of Andalusia's woodworking center, which includes painting, sanding and other finishing equipment.



Where High Design Meets Digital Fabrication™

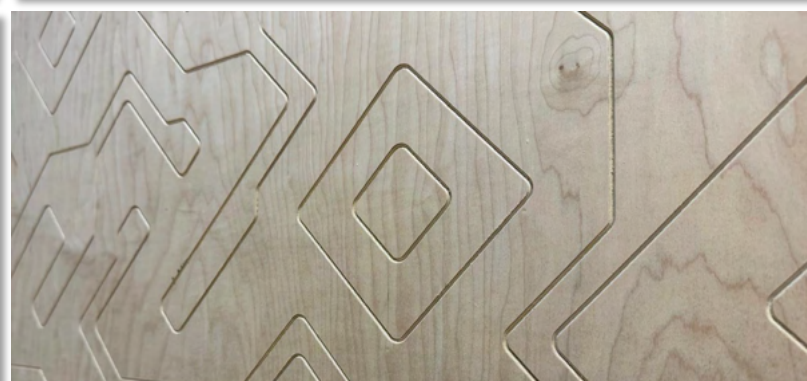
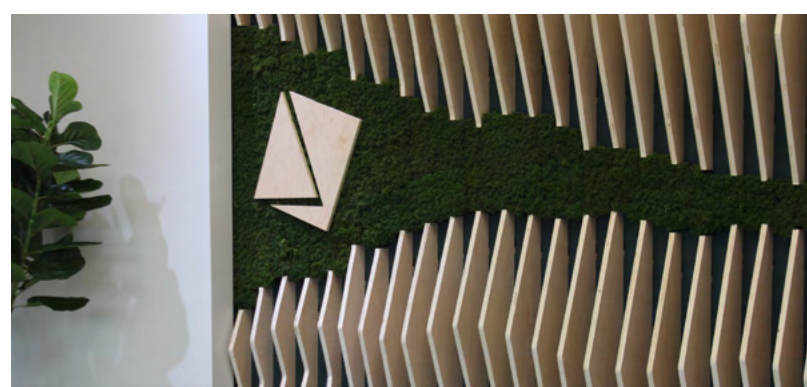
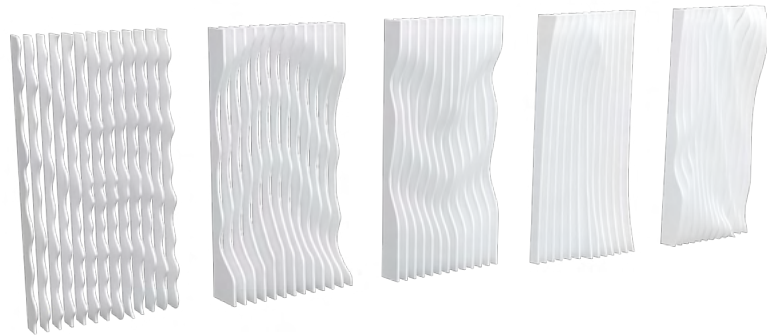
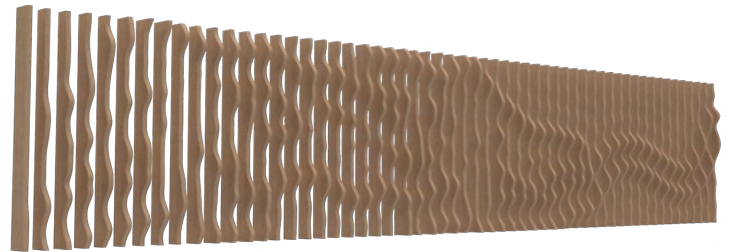
Andalusia products are parametric – giving designers control over the creative process

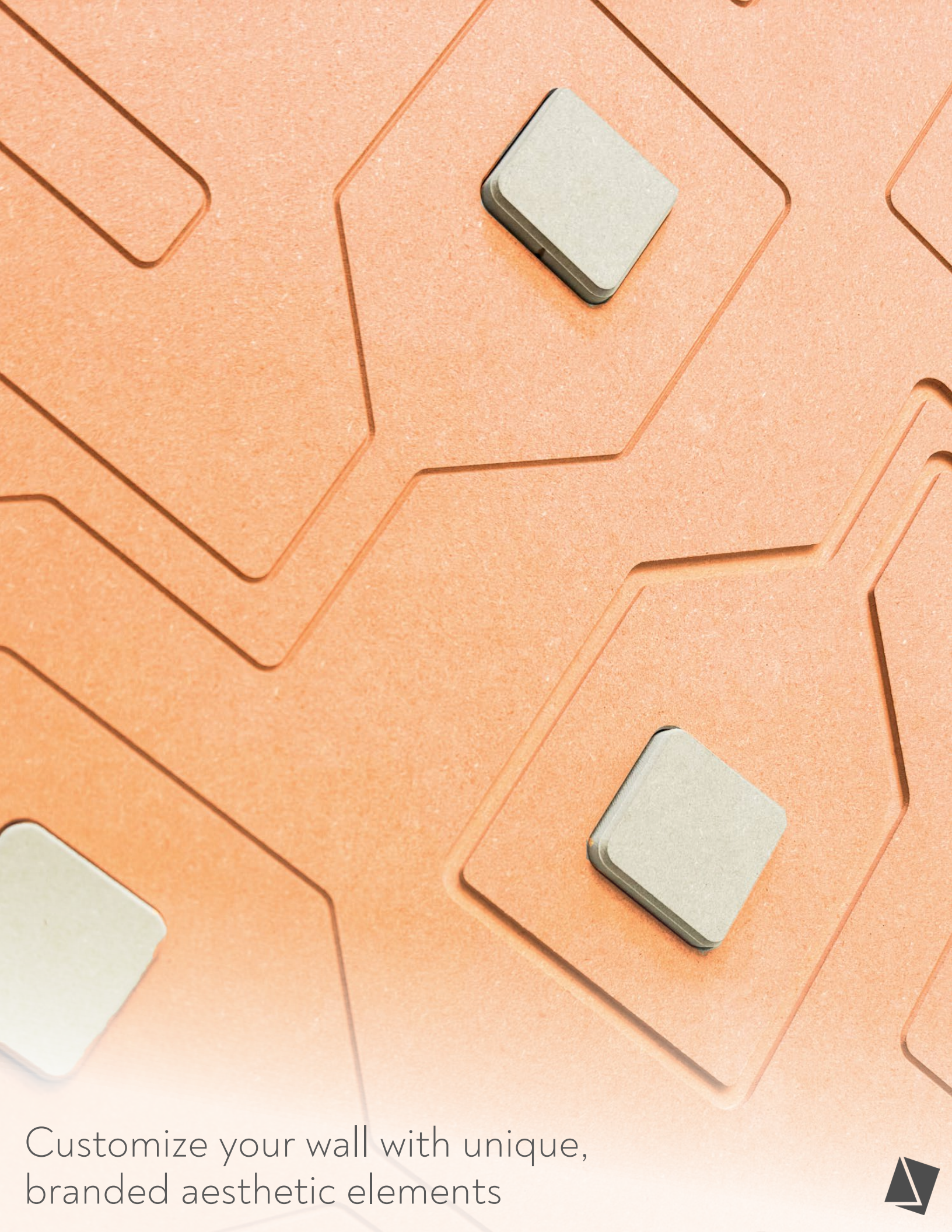
Designs are bounded by real-world engineering and manufacturability constraints – if you can design it, we can make it!

Each system is responsive – adapting to elements, constraints and interior design

Real-time pricing & material transparency during the entire project lifecycle

Seamless change order process to save time and cost throughout the project lifecycle





Customize your wall with unique,
branded aesthetic elements



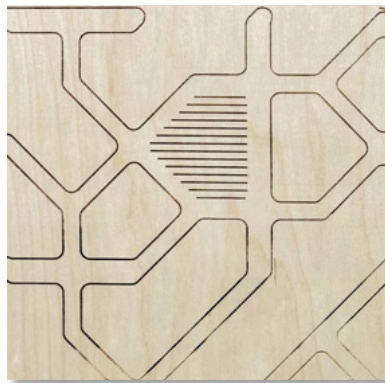
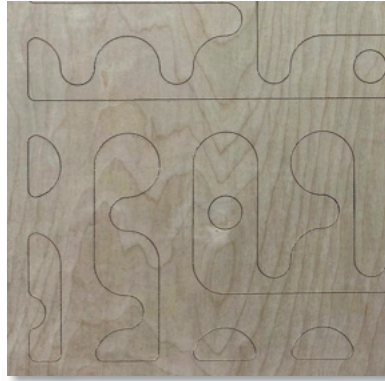


Elevate your spaces with Etch –
a parametric wood tiling system

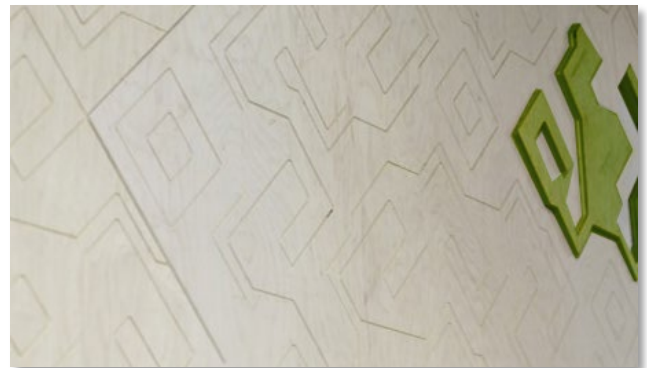


Andalusia's parametric Etch system is a highly-configurable and customizable wood wall system.

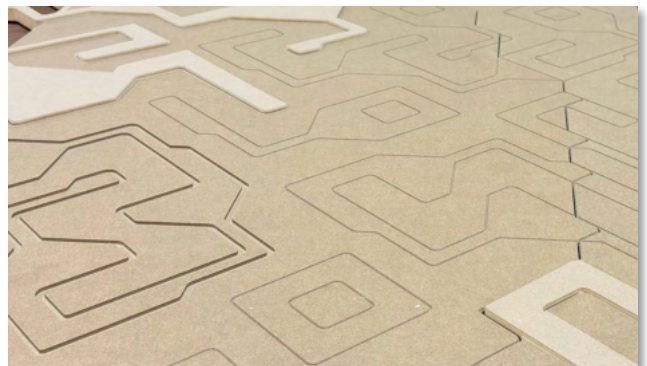
Select from a large library of aesthetic tiling options



Clean groove cuts help create consistent depth in the wood wall

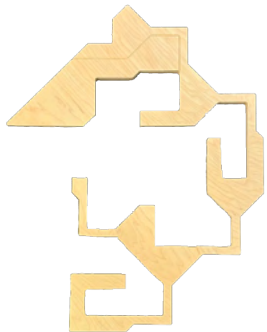


Add dimension to your design with protruding elements



Select a tile and your wall dimensions... and let Etch fill the space with a unique design!

Escher Tile as the core Etch design element



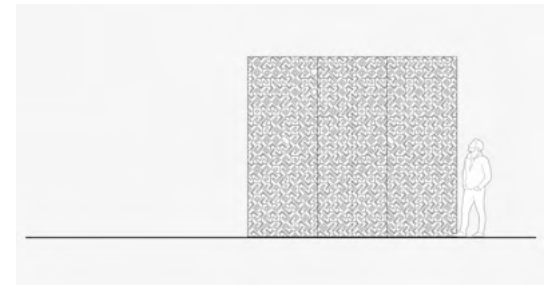
Pattern emerges based on preset spatial rules programmed in Etch's parametric algorithm



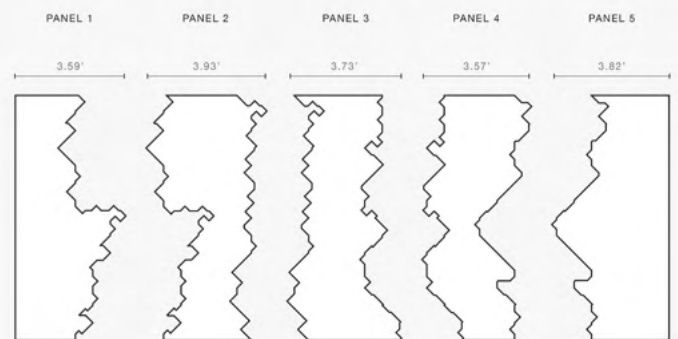
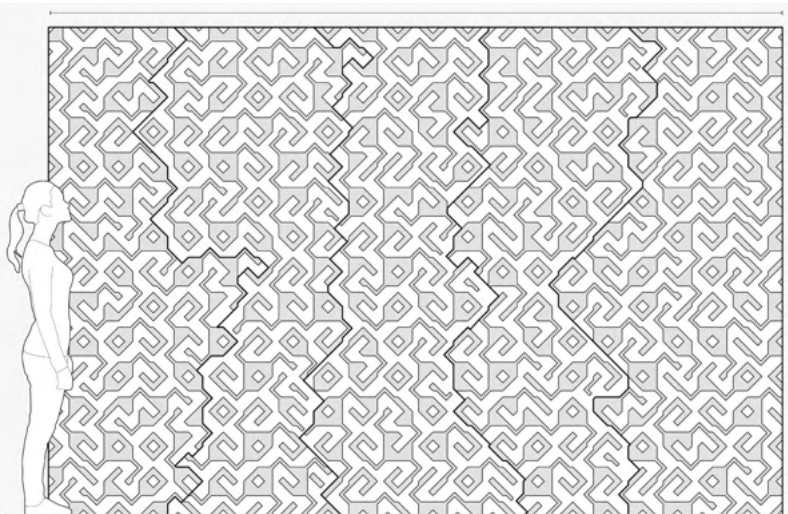
The etched pattern intelligently fills the space – in this instance, never repeating



The pattern adapts to resizing in width and in height



Designers can optimize tiles, patterns, dimensions, etc. until desired aesthetic is achieved



PLYWOOD LAYOUT STRATEGY

- Use five sheets
- Seam follows the generated pattern
- Includes .24" offset for milling

The final wood wall intelligently divides and panelizes to minimize the panel-to-panel transition seams – fitting like a puzzle at the project site



Construction

Surface panels are intelligently cut and pieced together to achieve seamless panel-to-panel transitions

Surface panels attach directly to parametric back panel / furring strip system

Back panel attaches directly to structural wall

Attachment hardware is hidden behind surface panels

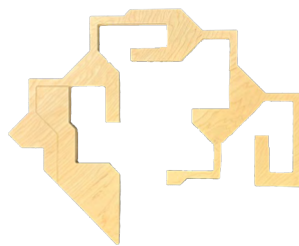
For dimensional tiles, pockets are routed to ensure a tight fit with no additional hardware or adhesives

All wood components are made of MDF for ease of routing and color matching

Integration of other materials

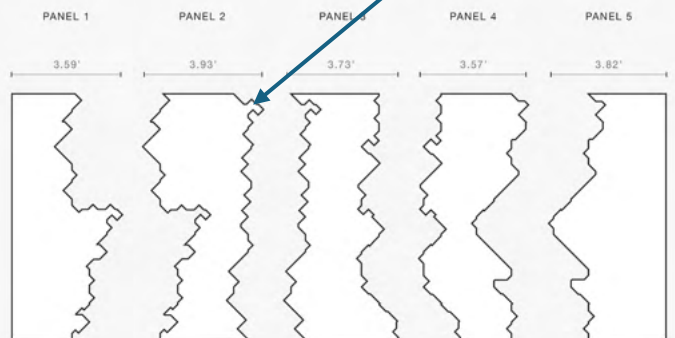
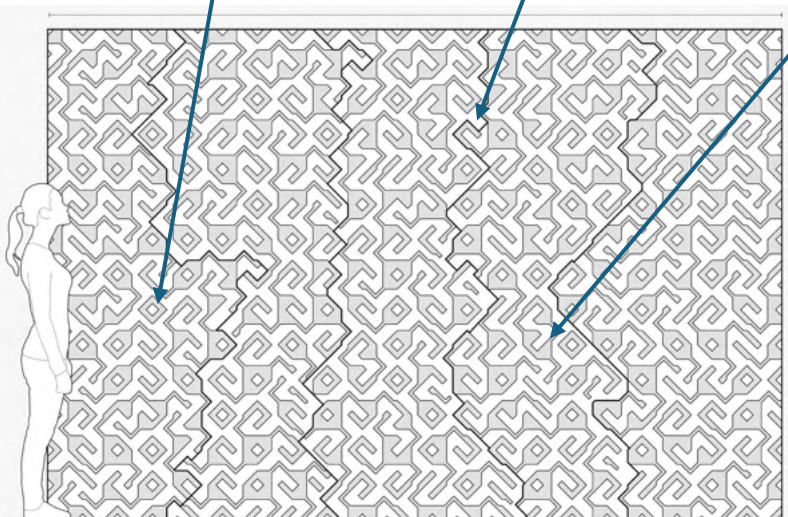


Individual panels are pieced together like a puzzle



Individual tile elements can be cut separately to protrude from flat surface and provide dimension

Front panels are intelligently cut



PLYWOOD LAYOUT STRATEGY

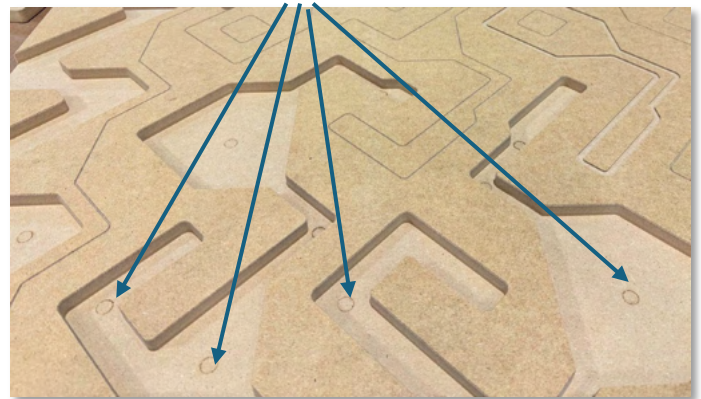
- Use five sheets
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Construction

(1) Parametric furring strips mount directly to structural wall / drywall



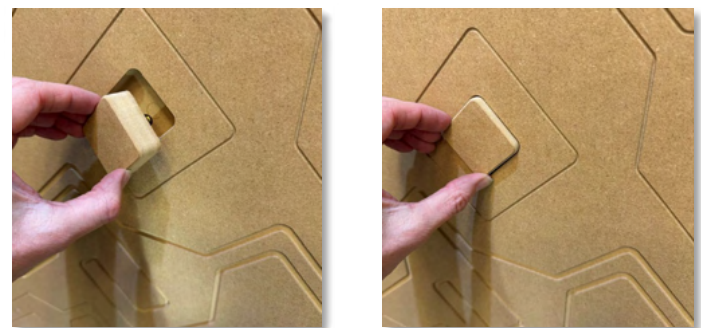
(2) Front panel strategically routed; holes located to mate with furring strip locations



(3) Front panel pieces are then attached to the back furring strip panel



(4) Tight-fit tiles are then used to complete the array and cover the hardware components



(5) Final install with protruding tiles



Materials

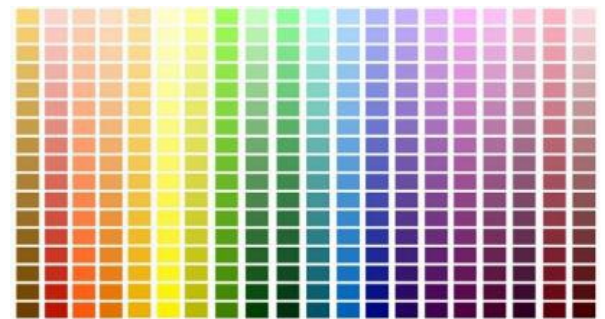
Andalusia's etch walls are made with architectural-grade MDF

MDF is the optimal material for intricately-designed parametric etch walls:

- Uniform strength
- Ease of groove cutting patterns
- Consistent surface quality
- Consistent cut quality and easy to embed dimensional tiles
- Can be sealed and painted



Moisture-resistant $\frac{3}{4}$ " MDF



A variety of standard and custom paint color options are available



MDF is the perfect material for cutting grooves and routing out pockets – due to quality and color consistency



Sustainability

Andalusia Design is dedicated to leading the way in sustainable manufacturing within the architecture and building design community



Responsibility

Taking care of our planet for future generations



Innovation

Continuously improving our processes to reduce environmental impact



Quality

Enhancing the quality and longevity of our products

Andalusia only sources FSC certified wood, ensuring our products are sourced from responsibly managed forests, contributing to environmental sustainability



MDF is certified as formaldehyde-free, ensuring a safer and more environmentally friendly option for your projects

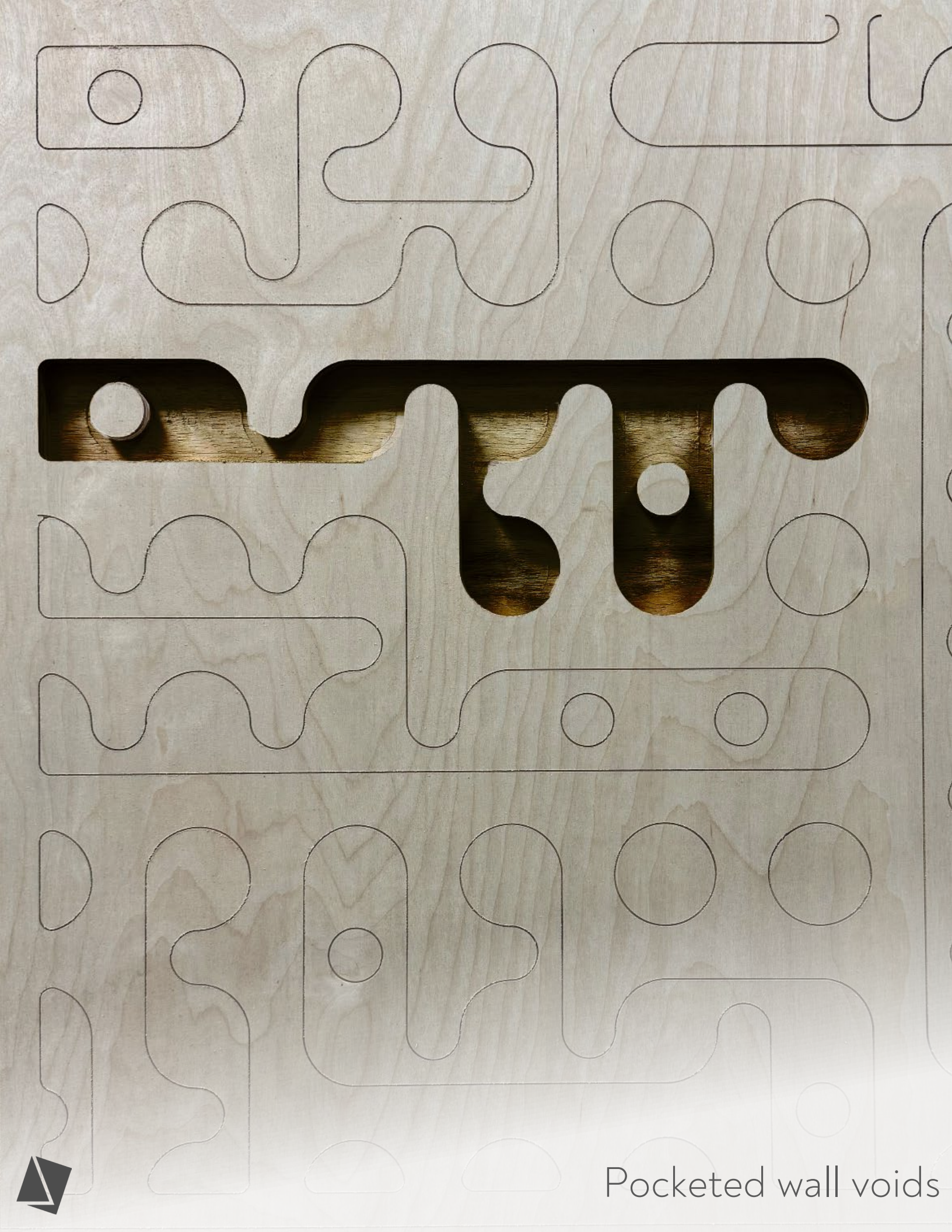
All paints and stains are water-based, which are environmentally friendly, emit lower levels of toxic fumes and allow for easier cleanup

All metals used have high recycled content and can be easily recycled

We utilize energy-efficient machinery, waste reduction strategies and recycling programs in our facility to minimize environmental impact

Our parametrically-designed products minimize material usage via intelligent material analysis and via optimized nesting during production





Pocketed wall voids



Creative color options





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