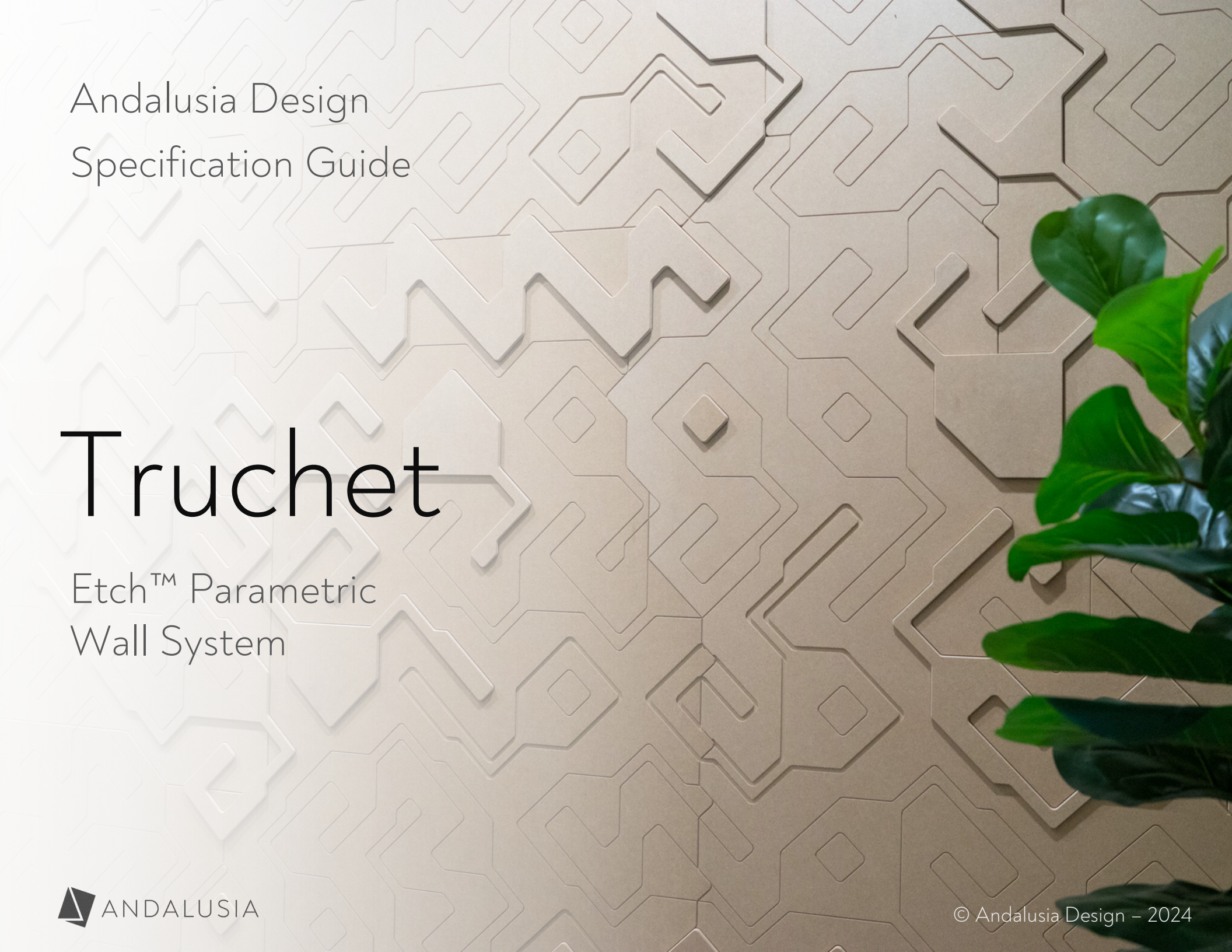
Andalusia Design
Specification Guide

Truchet

Etch™ Parametric Wall System



ANDALUSIA

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ANDALUSIA DESIGN

Andalusia Design is a manufacturer of specialty ceiling, wall and space divider solutions. We combine the power of parametric design with best-in-class digital fabrication capabilities to deliver high-design architectural systems with unparalleled speed and efficiency. We have a large showroom and vertically-integrated manufacturing facility in Austin, TX, USA.

ETCH

The days of the traditional 2x2 wall tiles are over!

Andalusia Design's Etch is a highly-configurable wood wall system that gives designers the freedom to create seamless, visually-interesting patterns for their clients' spaces.

Driven by Andalusia's parametric design engine and in-house digital fabrication, Etch is ideal for brand-forward, high-traffic areas for commercial and hospitality applications.









ETCH STYLES

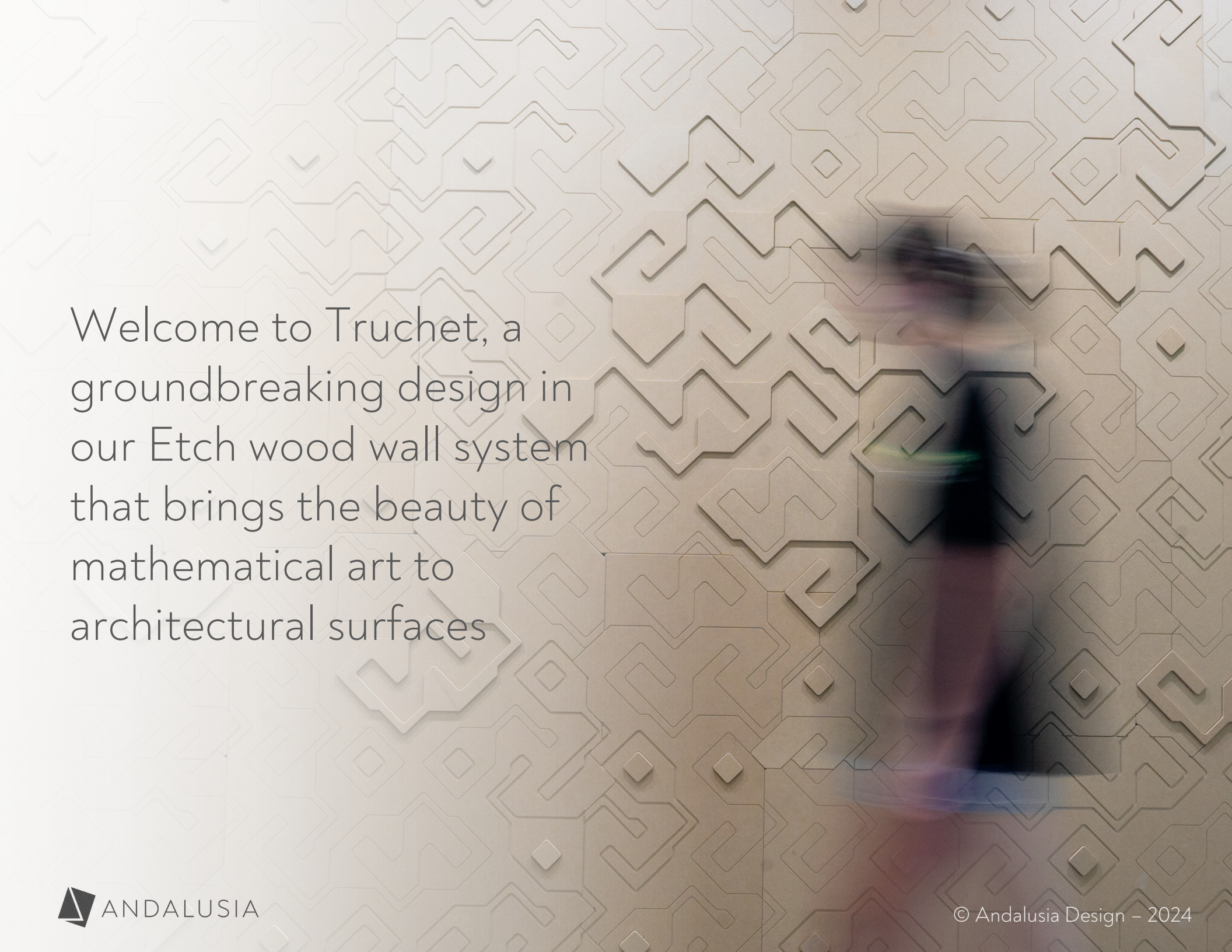
Etch is offered in both standard configurable and customizable pattern styles. A few key Etch system attributes:

- Wood base material options include veneered, stained plywood and painted MDF
- Standard and custom CNC-etched patterns that can be fit to your exact wall dimensions
- Option to integrate and mix materials and colors across the pattern, including wood, metal and composites
- Add dimension and visual interest with 3D tile inserts
- Intelligent panelization minimizes visually-obstructive seams



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Welcome to Truchet, a groundbreaking design in our Etch wood wall system that brings the beauty of mathematical art to architectural surfaces



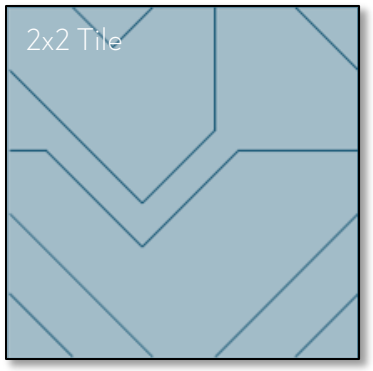
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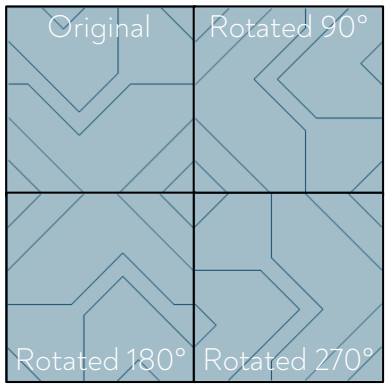
ETCH – WHAT IS TRUCHET TILING AND HOW DOES IT WORK?

Truchet is a dynamic wood etch wall system featuring rotationally asymmetric tiles that, when combined and rotated, create unique, seamless patterns across the wall surface..

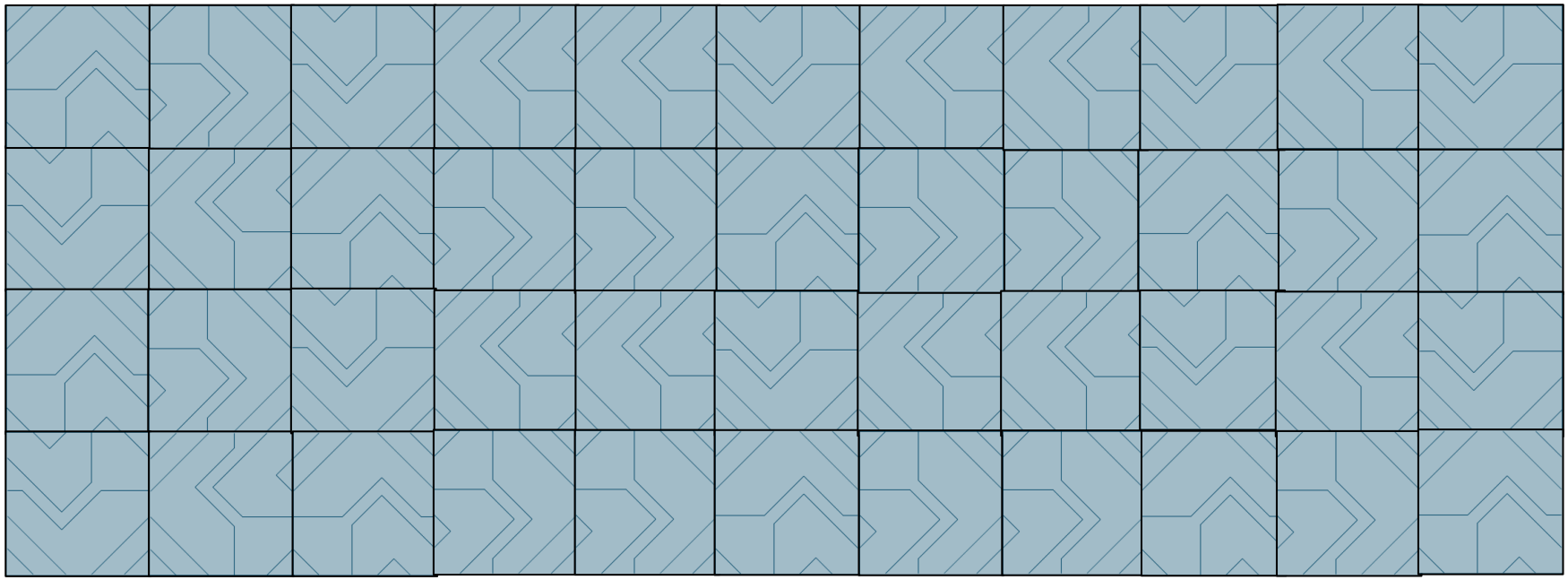
A. Truchet starts with a basic 2x2 tile where each tile is designed to be rotationally asymmetric



B. This unique rotational property allows each tile to be rotated and combined in various orientations across the wall surface



C. When extrapolated and rotated across the surface, the resulting pattern is a seemingly random, but cohesive design



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ETCH – TAKING TRUCHET TO THE NEXT LEVEL

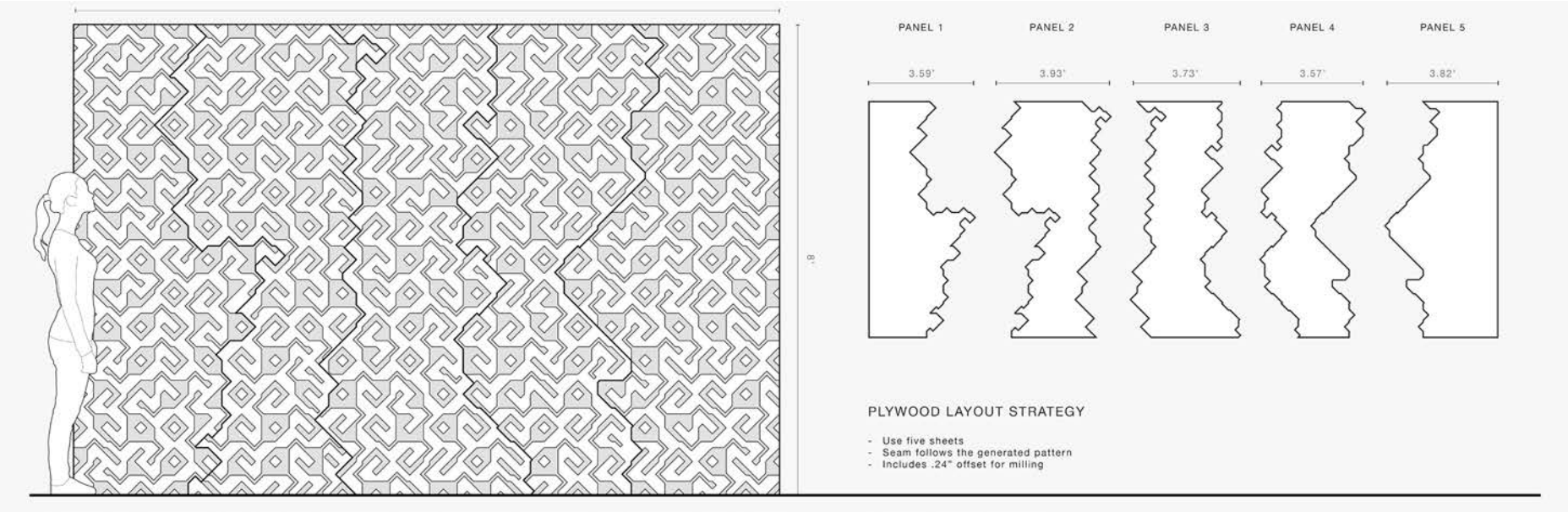
Using the novel combination of parametric design and advanced digital fabrication tools, Andalusia takes Truchet wall tiling to the next level!

ENDLESS DESIGN POSSIBILITIES

Andalusia offers standard tiles and can work with designers to create custom tiles unique to their design.

SEAMLESS WALL DESIGN

Once the design is complete, the visually-intrusive 2x2 grid elements are removed, leaving only the etched pattern. This creates a smooth, uninterrupted visual flow across the entire wall. The completed Etch system is shipped in custom pieces to the job site. The result is a seamless, visually-cohesive design that is easier for a contractor to install.

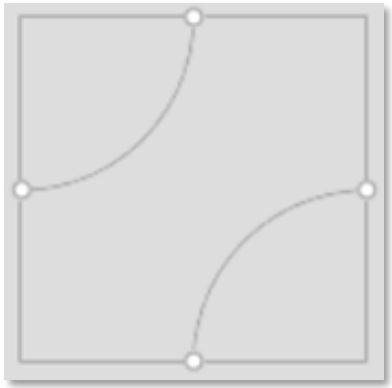


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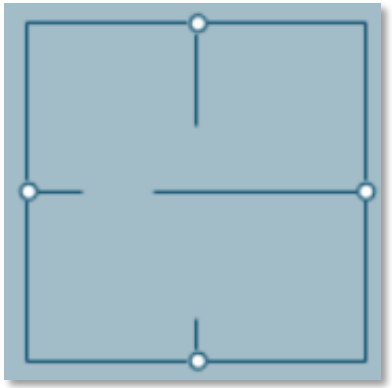
DESIGN STEP 1: CHOOSE YOUR TILE

Choose from a variety of standard patterns in Andalusia's library or call us to create a custom tile and pattern.

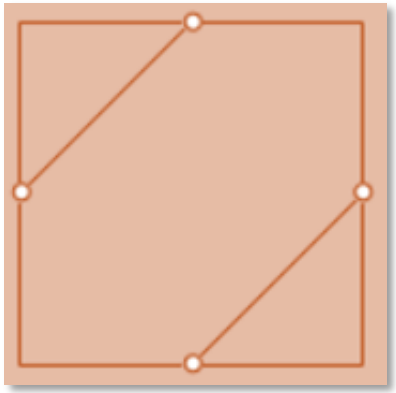
A - SALK



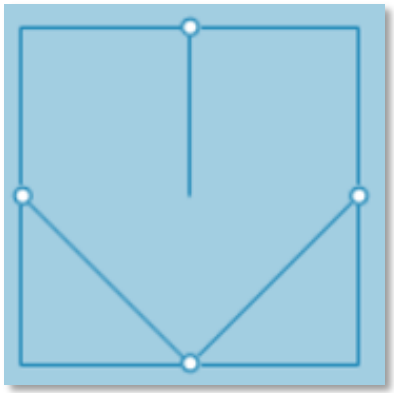
B - MORSE



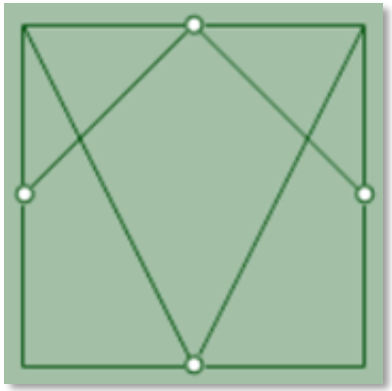
C - PAVLOV



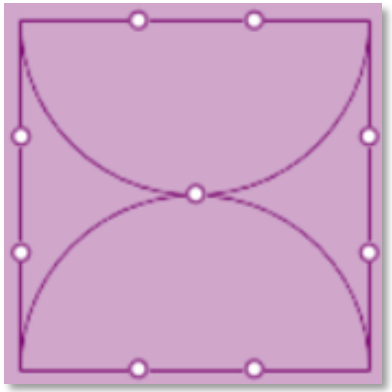
D - NEWTON



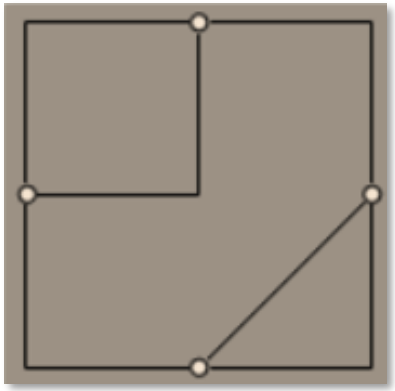
E - WOLFRAM



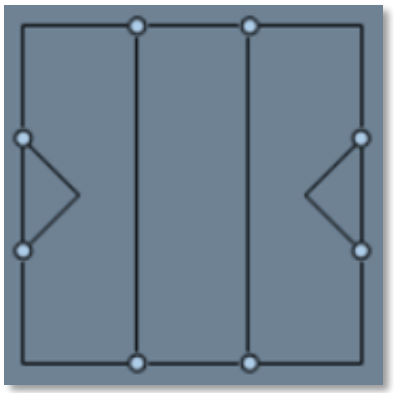
F – THOMPSON



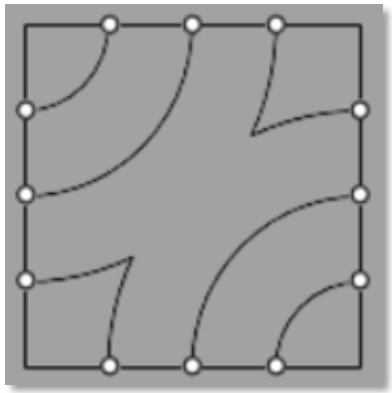
G - SENECA



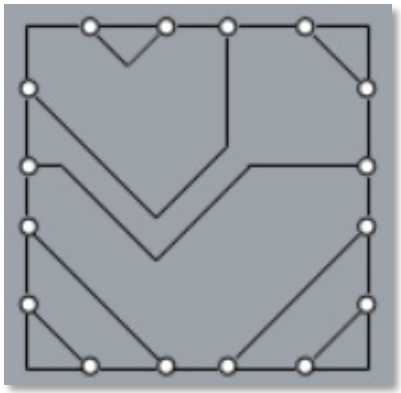
H - BUSHNELL



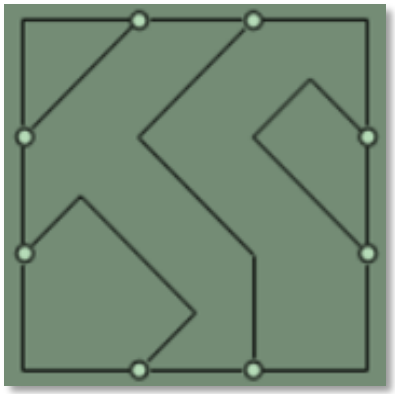
I - FARADAY



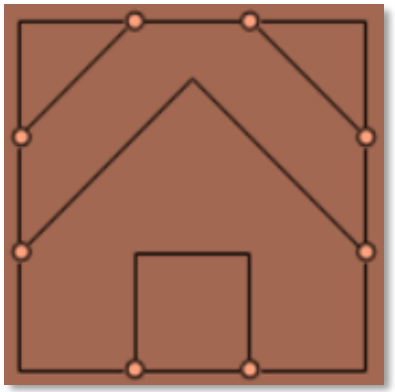
J - BARDEEN



K – HAWKING



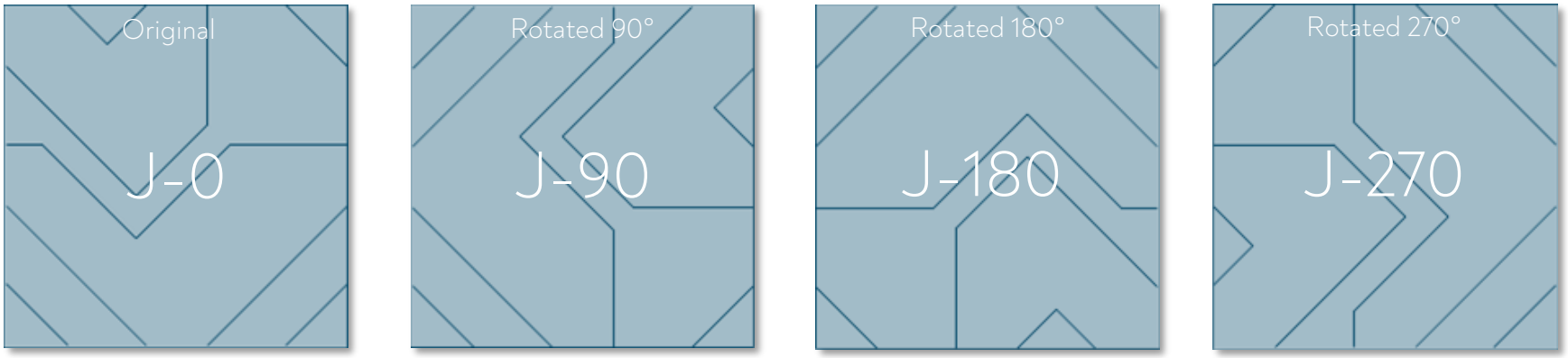
L - GAUDI

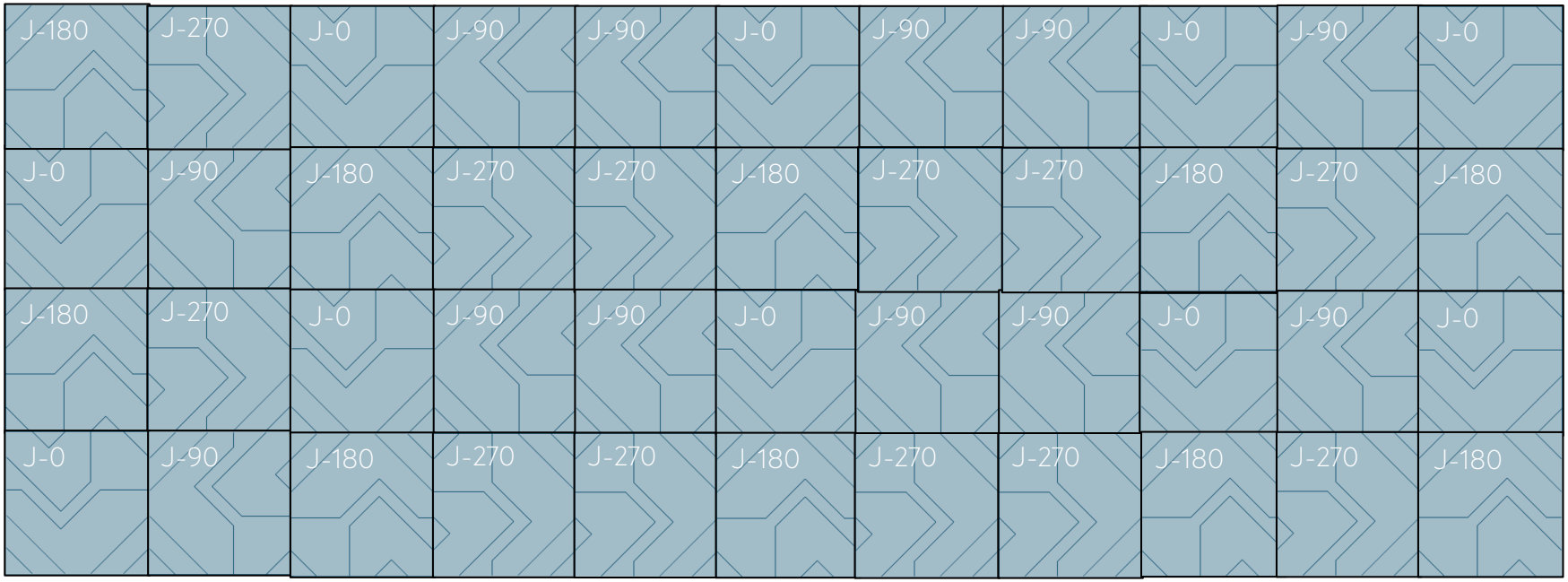


DESIGN STEP 2: CREATE YOUR PATTERN

Create your pattern by combining the tiles and labeling them based on their rotation.

TILE J - BARDEEN

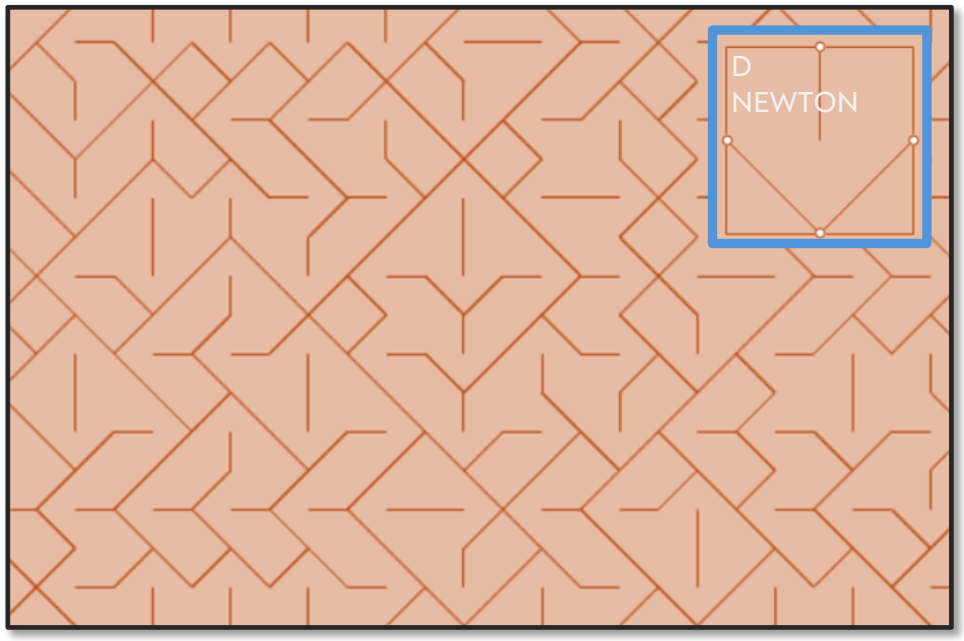


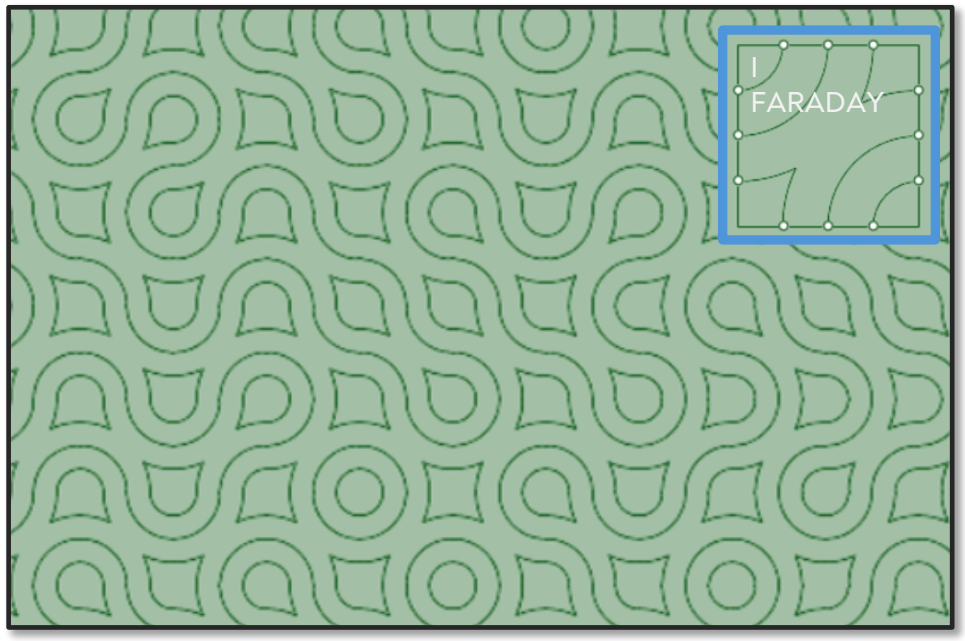


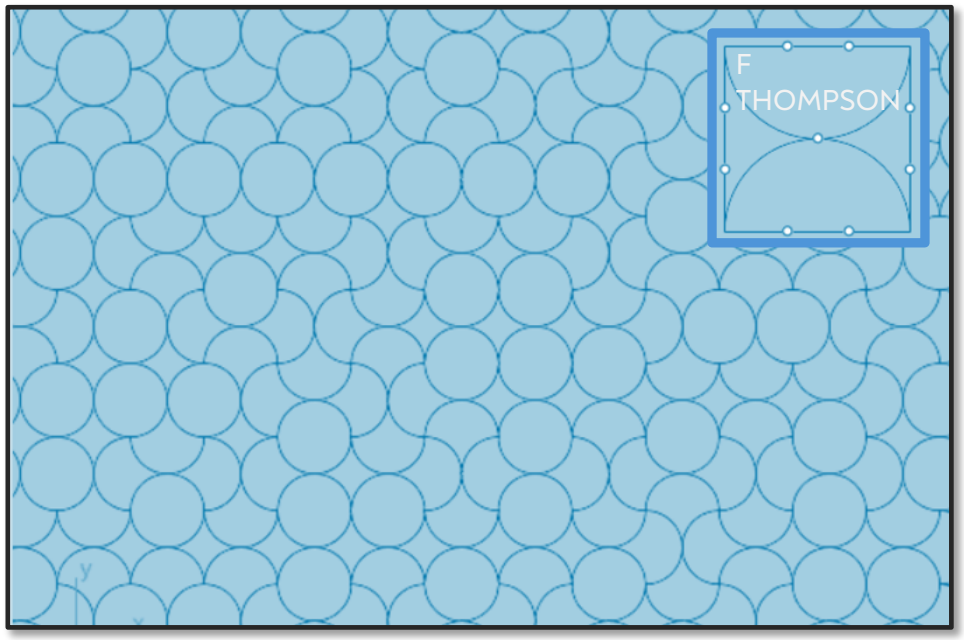
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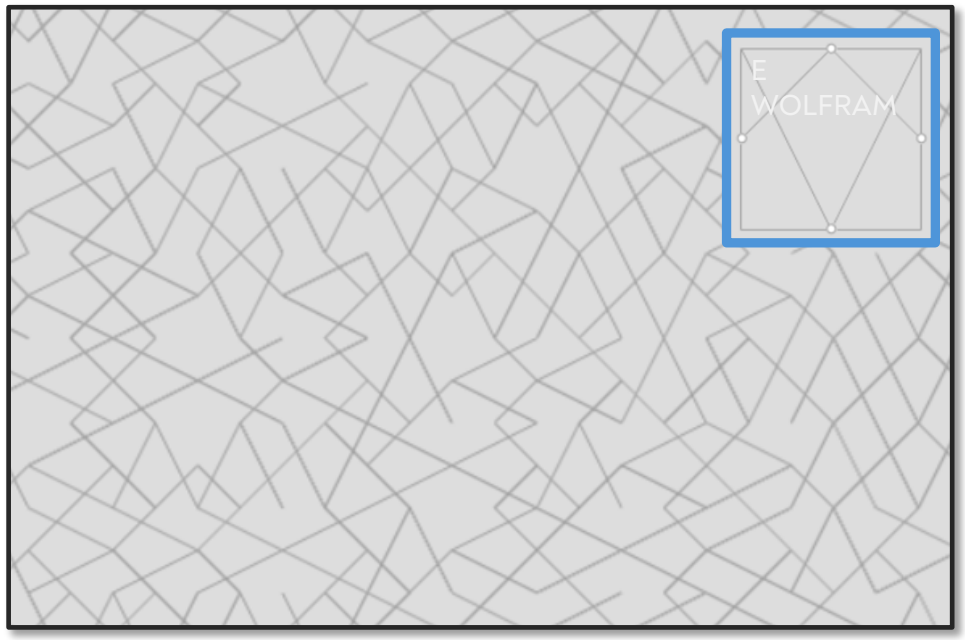
DESIGN STEP 2: CREATE YOUR PATTERN

Here are extrapolated, randomized pattern examples for standard tiles:





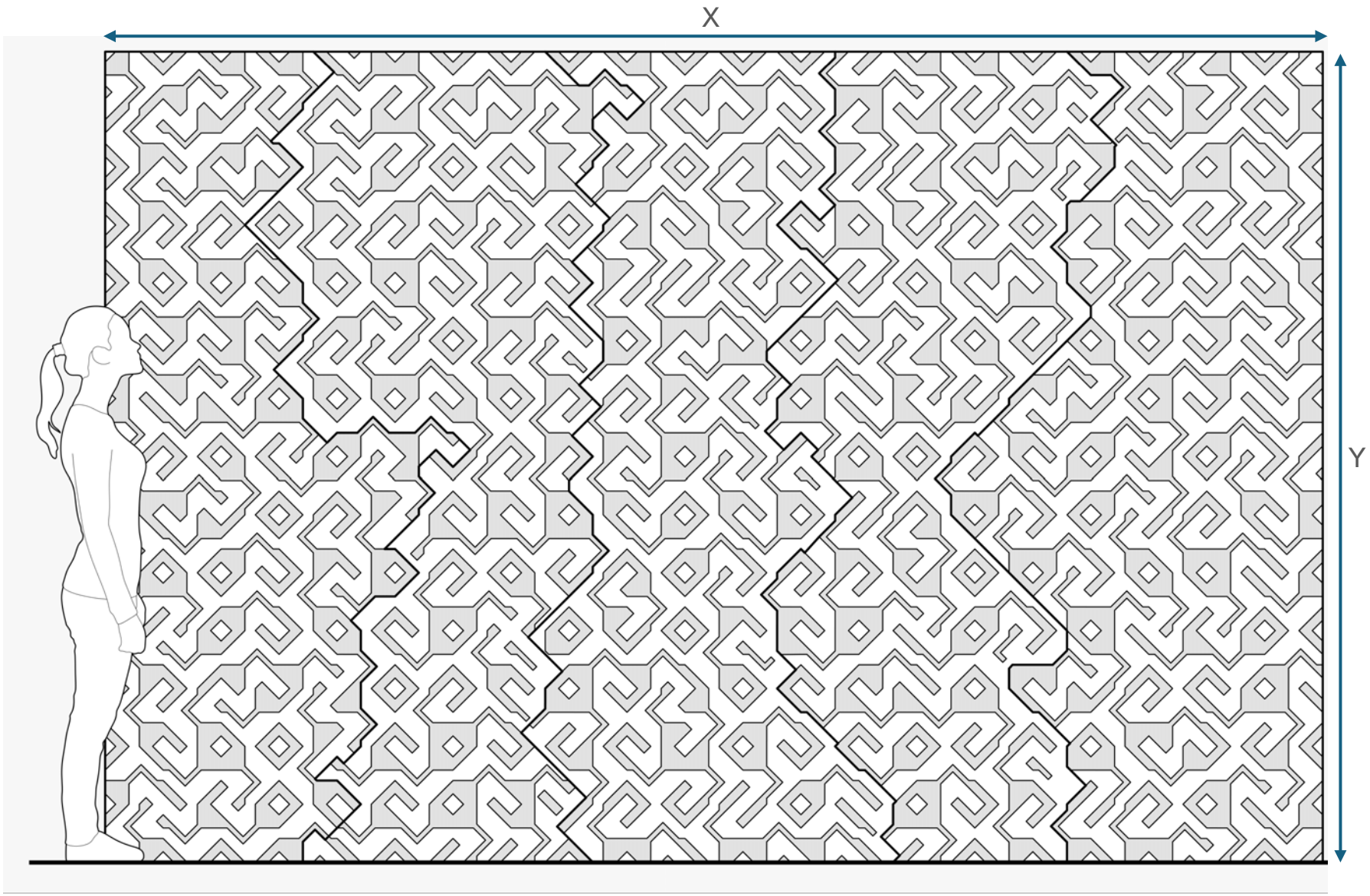




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DESIGN STEP 3: [OPTIONAL] DETERMINE WALL SIZE

Unlike traditional tiling systems, Andalusia's Etch platform doesn't have to limit you to your standard tile formats for overall array size. Just give us your ideal wall coordinates with your pattern and we'll make it happen for you!



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DESIGN STEP 4: CHOOSE MATERIALS AND FINISHES

Andalusia sources the best quality plywood and MDF needed for Etch processing, construction, price and aesthetic. All wood is sourced by local distributors and all processing, including cutting, sanding, staining, painting and finishing is done in our Austin, TX, digital fabrication facility.

MATERIAL AND FINISHES

Select a base material:

- ¾" thick plywood
- ¾" MDF
- Custom options are available

Select a color:

- 5 standard stain options for plywood
- 9 standard color options for MDF
- Custom options are available

Plywood and MDF are optimal materials:

- Uniform strength
- Ease of machining into complex shapes
- Consistent surface quality
- Consistent cut quality

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

Standard MDF Paint Colors



Standard Plywood Stains



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CUSTOMIZATION OPPORTUNITIES



Create an Etch for your client that is on-brand... or just have fun making your own tile! Contact Andalusia to learn more.



Add interesting dimension to your Etch system by replacing elements of your Etch wall with tile inserts.



Using MDF or plywood as the base material, you can add other materials, including different color wood, metal and/or composites based on your aesthetic and functional needs.



Instead of restricting you to a 2x2 grid, we can work with you on full wall-to-wall applications, as well as help integrate elements, such as lighting, outlets, electronics... you name it!

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SERVICES AND DOCUMENTATION

Below is a list of typical design and technical services, along with the documentation you can expect to receive when designing, specifying, procuring and installing an Andalusia Etch system.

DESIGN PHASES

Services and Outputs:

- Collaborative and iterative design development, starting as early as concept design
- 3D parametric model development; ability to collaborate in Rhino and Revit or output to any standard CAD platform
- Renderings in Enscape, VRay
- Real-time pricing information during design iterations and design-for-budget / VE support
- Thorough product design proposals
- Physical material samples and color swatches
- Custom samples to demonstrate form / function of unique designs
- Assistance with client-facing presentations, as desired

POST-DESIGN / SPEC SUPPORT

Services and Outputs (in addition to Design outputs):

- Technical drawings – elevations, sections, details
- CSI MasterSpec document
- Comprehensive dimensions, thickness, weight information
- Final digital 3D model
- Final contractor net pricing
- Performance data, including ASTM E84 fire ratings, structural data, acoustic analysis, along with necessary supporting test data
- Sustainability certifications, EPD, HPD, Declare
- Detailed step-by-step installation instructions
- Maintenance and warranty information
- Reference part numbers and details
- Andalusia contact information

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ONE-PAGE ETCH DESIGN CHECKLIST

Let's get started! Fill out the attached form, along with a full pattern in CAD or other medium, and we'll get to work!

TILE TYPE

- ❑ A – Salk
- ❑ B – Morse
- ❑ C – Pavlov
- ❑ D – Newton
- ❑ E – Wolfram
- ❑ F – Gaudi
- ❑ G – Seneca
- ❑ H – Bushnell
- ❑ I – Faraday
- ❑ J – Bardeen
- ❑ K – Hawking
- ❑ L – Undefined
- ❑ Custom (describe)
  _____
  _____
  _____

BASE MATERIAL

- ❑ Plywood
- ❑ MDF

PATTERN

- ❑ Randomize
- ❑ Attached schematic
- ❑ Let Andalusia decide!
- ❑ Notes
  _____

SIZE

- ❑ Number of tiles
  _____
- ❑ Square Feet (XxY)
  _____
  _____

STAIN COLOR (plywood)

- ❑ White Frost
- ❑ Light Oak
- ❑ Gray
- ❑ Warm Walnut
- ❑ Espresso

PAINT COLOR (MDF)

- ❑ Pure White
- ❑ Soft Beige
- ❑ Slate Blue
- ❑ Sage Green
- ❑ Warm Taupe
- ❑ Navy Blue
- ❑ Slate Gray
- ❑ Beechwood Brown
- ❑ Matte Black
- ❑ Other Finish
  _____

CUSTOMIZATION INTEREST

- ❑ 3D Tiles
- ❑ Wall-to-wall
- ❑ Other materials
  _____
- ❑ Integrated components (TV, shelving, other)
  _____

OTHER QUESTIONS

Project stage _____

Approximate SF _____

Approximate budget / SF _____

Modeling software _____

Other unique variables
_____
_____
_____
___

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Need Assistance on your next Project?

Contact us at
hello@andalusia.design

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