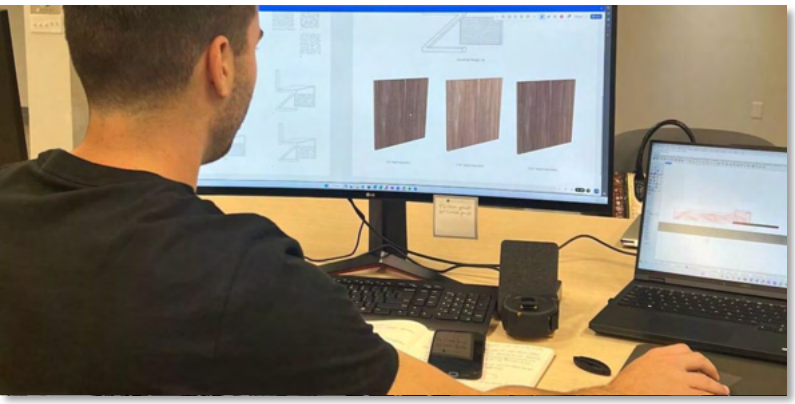
Perforate™

Andalusia Design's Parametric Wall and Ceiling Systems

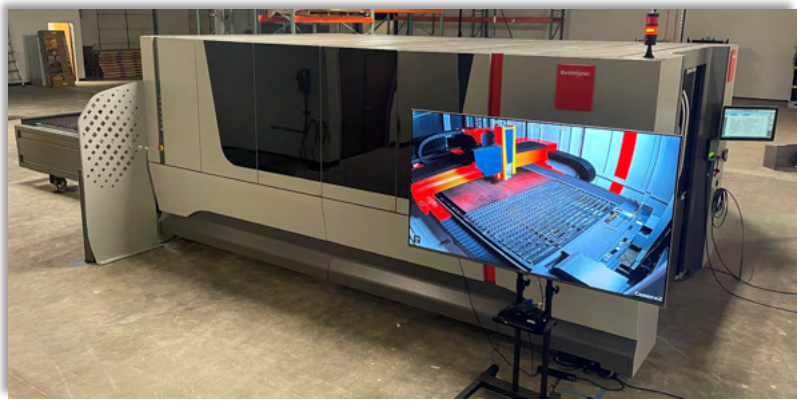
Andalusia Design

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™

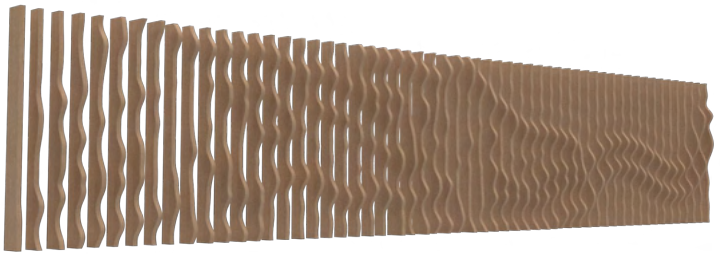
Andalusia products are parametric – giving designers control over the creative process

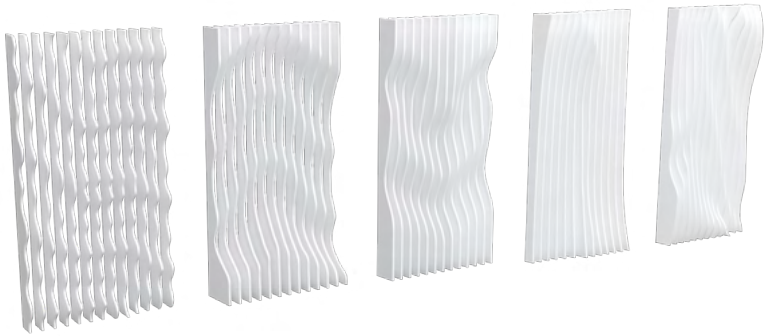
Designs are bounded by real-world engineering and manufacturability constraints – if you can design it, we can build it!

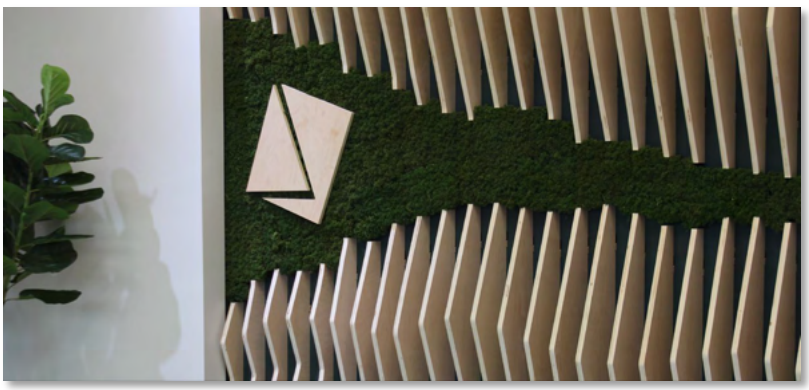
Each system is responsive – adapting to elements, constraints and interior design

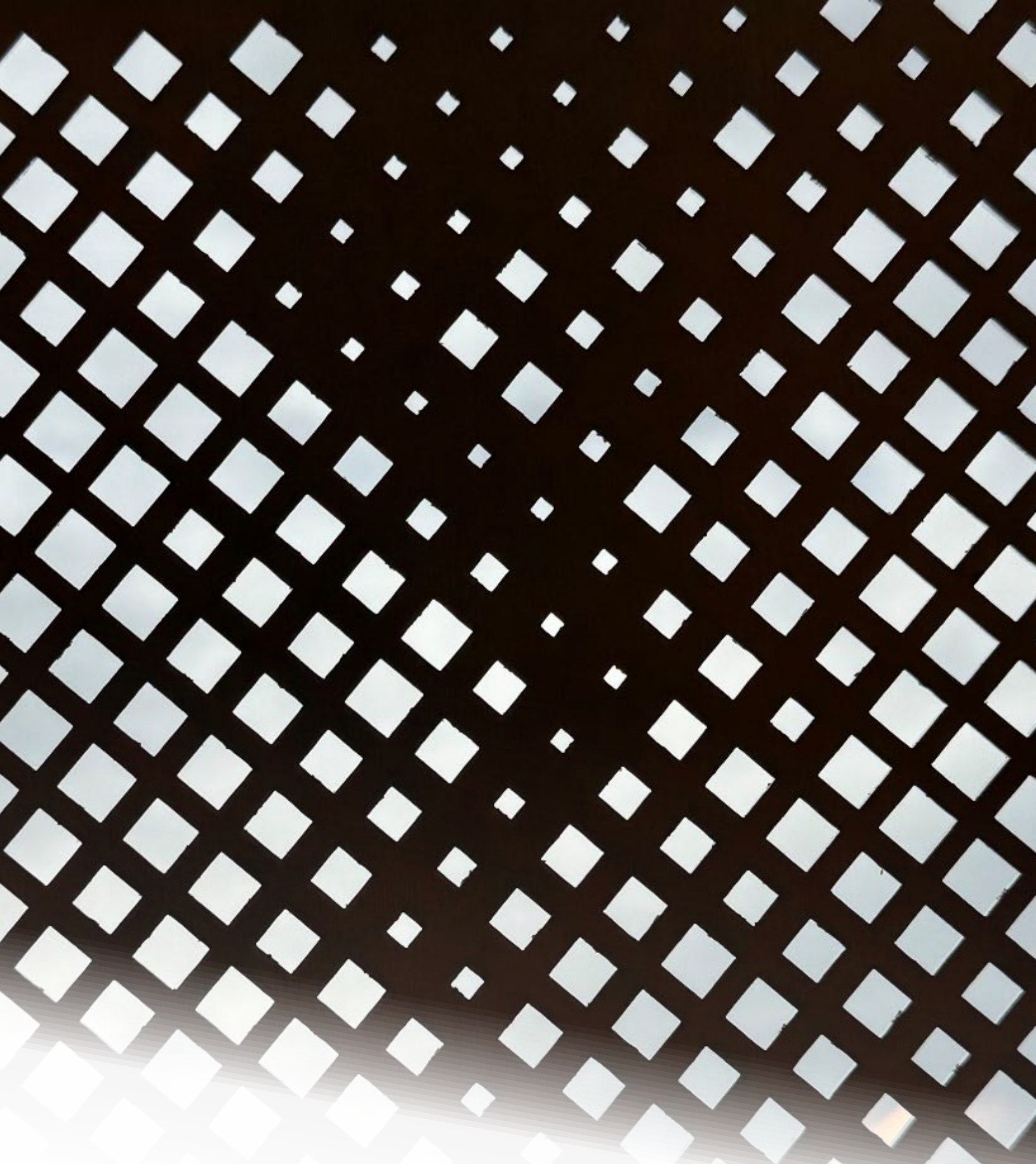
Real-time pricing & material transparency during the entire project lifecycle

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



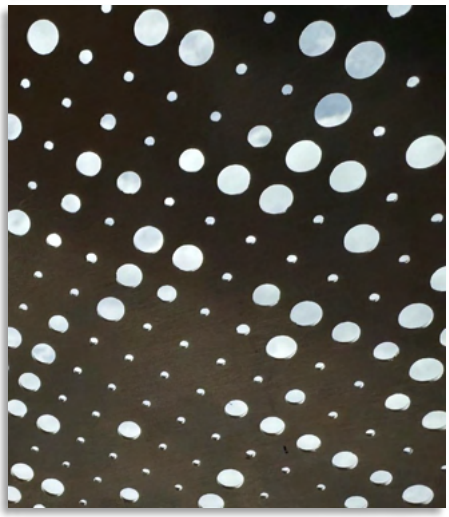
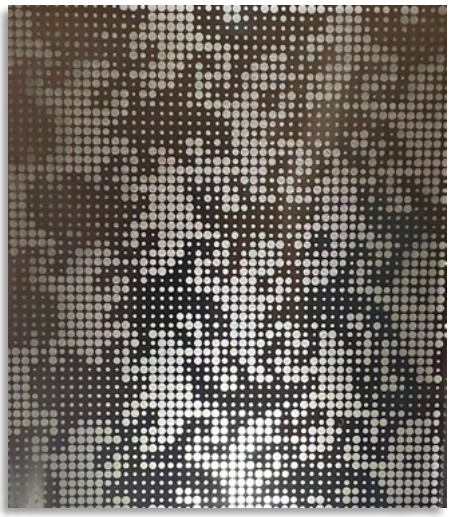




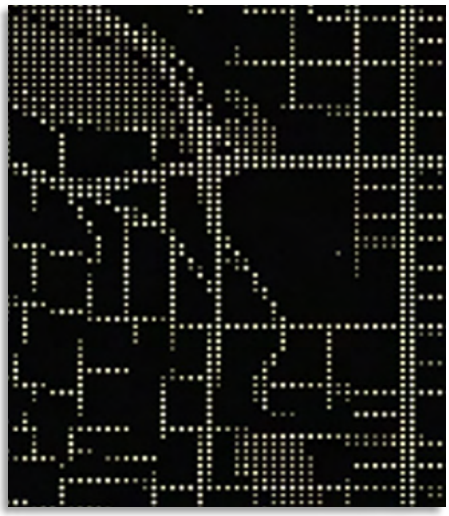
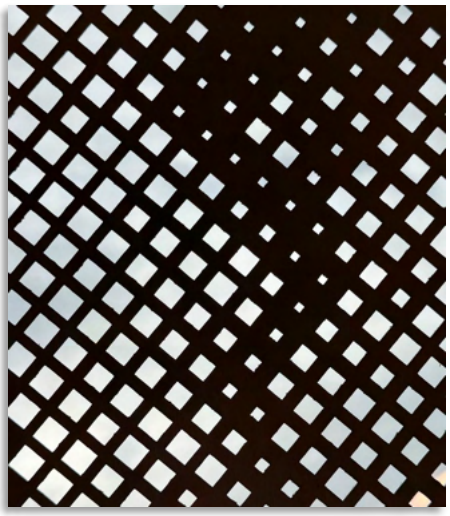
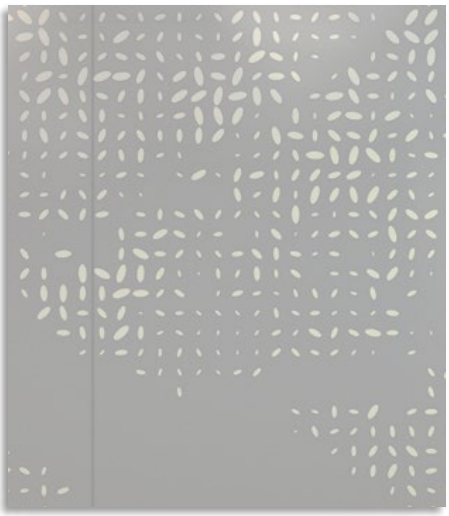


Elevate your walls and ceilings with Perforate – a parametric metal perf platform from Andalusia

Andalusia's parametric perf wall and ceiling systems are highly-configurable and customizable.


Specify a variety of designs and hole patterns – perfect for adding or enhancing your unique brand.

Andalusia will provide the backbone of the system to ensure structural integrity and high-quality finishes... but we will leave the design in your hands.

Design Inspiration

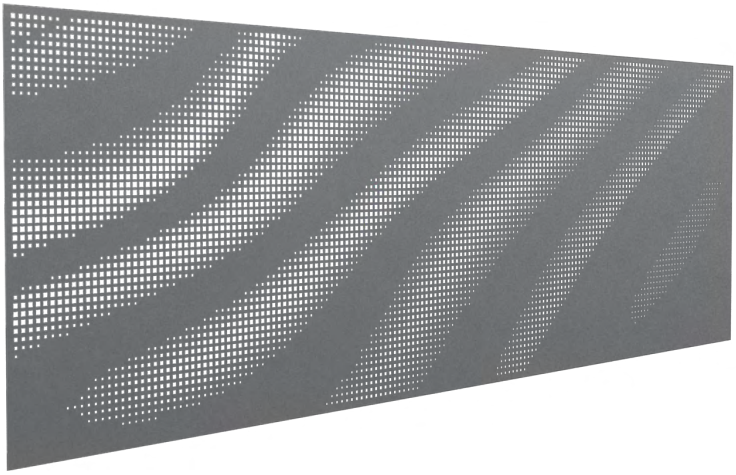
Our parametric capabilities and precision metal laser cutting allow for near-infinite hole cutting and patterning options

Repeating pattern / density

Open / closed cells

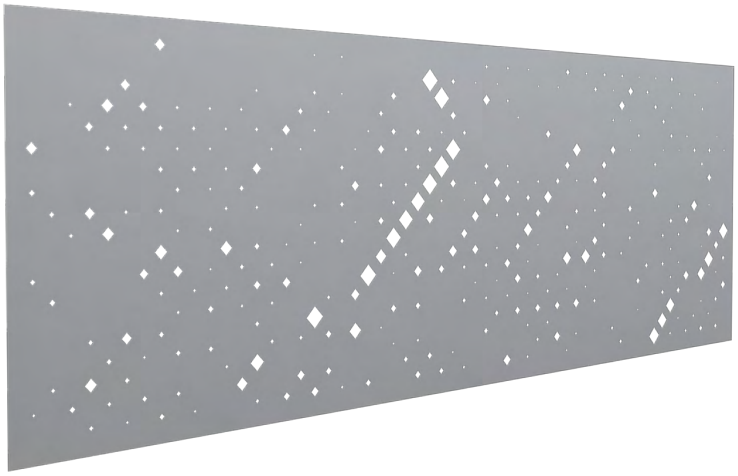
Varied hole sizes

Varied hole shapes / vectors



Inspiration: Ripples

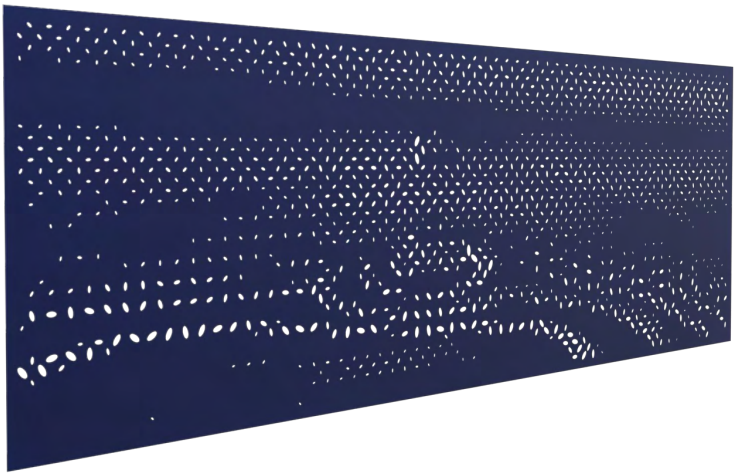
Hole Type: Square



Inspiration: Street Grid

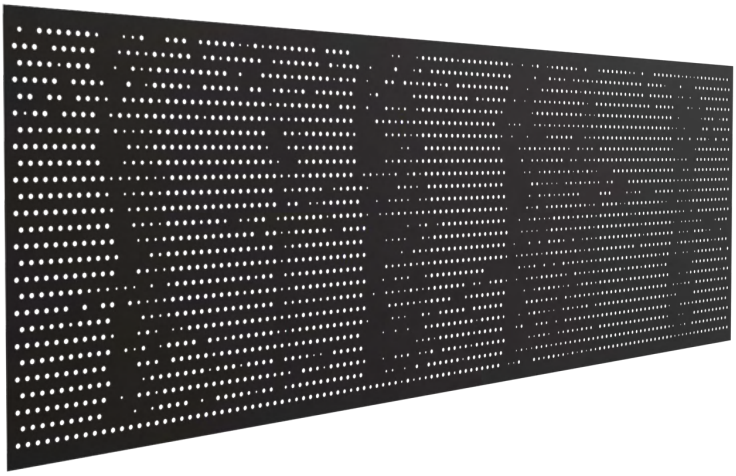
Hole Type: Diamond

Design Inspiration



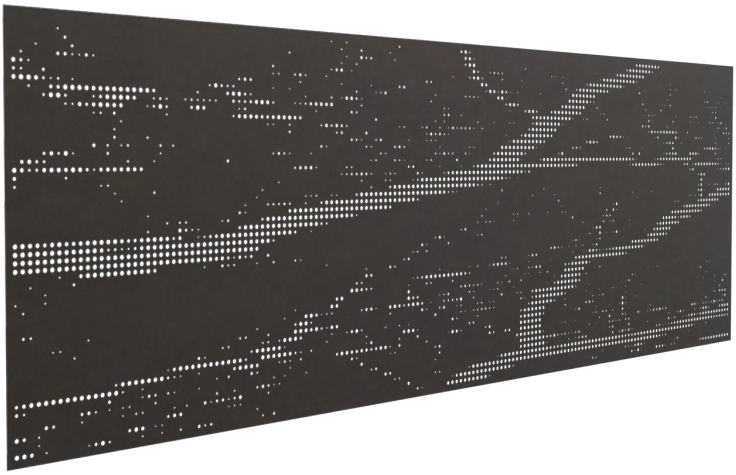
Inspiration: Raindrop

Hole Type: Oval



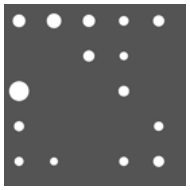
Inspiration: Forest

Hole Type: Circle



Inspiration: Tree Branches

Hole Type: Circle



Office Lobby

Application: Wall

Inspiration: Nature

Hole Pattern: Oval / Leaf

Material: Steel, silver powdercoat

Wall
Systems

Ceiling
Systems

Layout and Panel Sizes

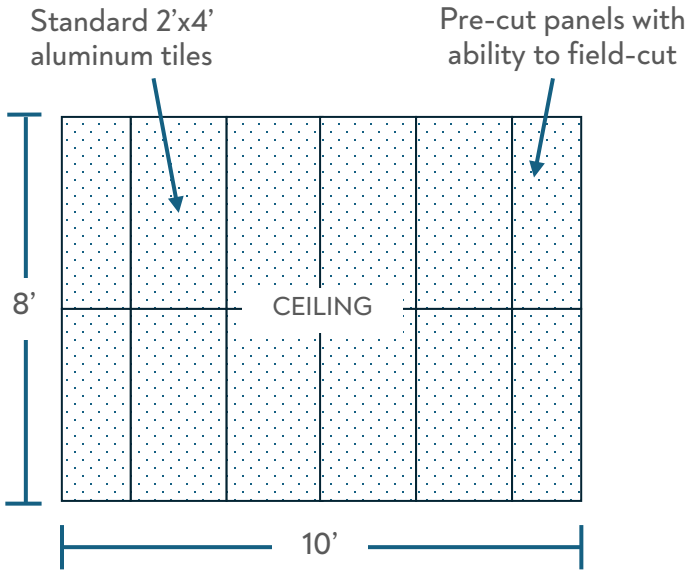
Panels can fit on standard grid sizes, or can be built to custom specification

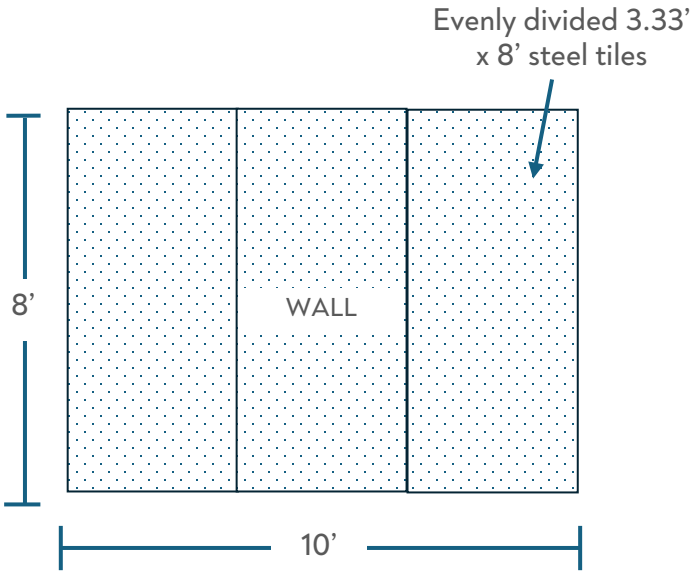
For ceilings, we offer up to 4’ x 4’ grid tiles

Most common (and recommended) standard tile size is 2’ x 4’

Custom tiles can be developed based on non-standard grid types

Custom sized-tiles can be developed to specification for wall-to-wall applications





For walls, Andalusia provides the wall mounting drop-and-lock hardware

Panels are parametrically designed to be evenly partitioned based on the dimension of the design

Maximum standard panel size is a nominal 4’ x 8’

Custom panels can be sourced up to a nominal 5’ x 10’

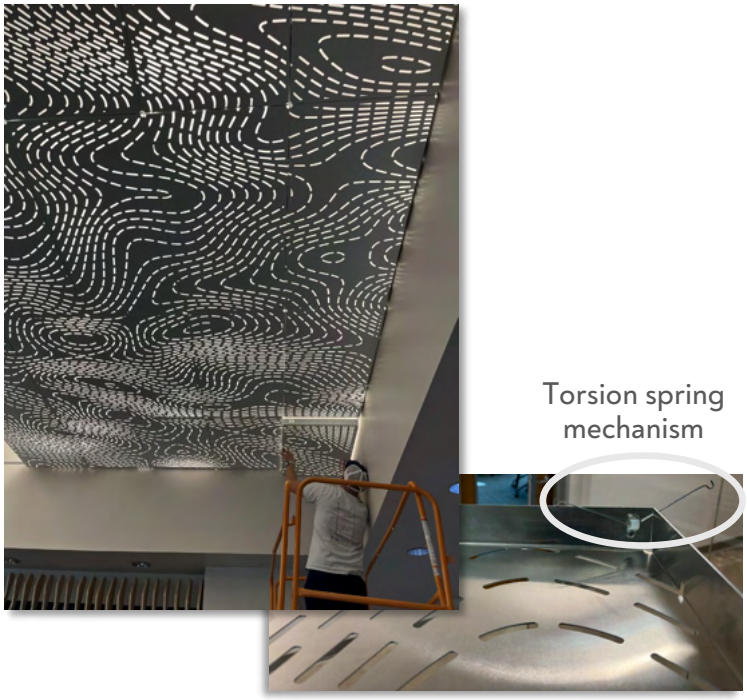
Construction

Perforate panels are designed for wall and ceiling applications. Construction methods for both are intuitive and designed to minimize panel-to-panel transition seams.

For ceilings, each tile is equipped with torsion springs on its corners and are designed to fit securely into corresponding clips on the grid framework

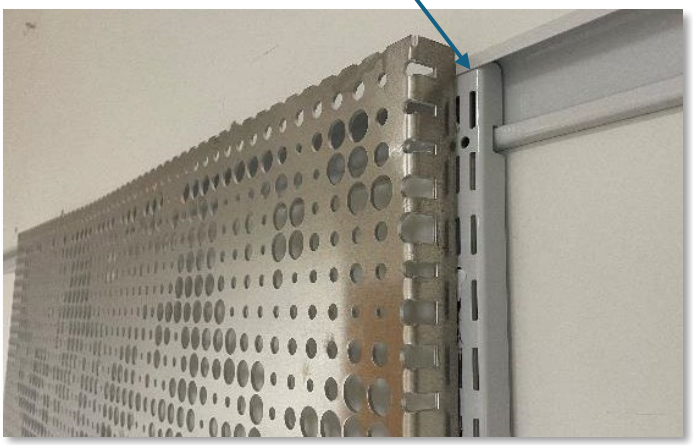
Torsion springs are critical components that allow for the easy installation and secure fastening of the tiles to the ceiling grid

The flexibility of the torsion spring system allows for easy adjustment and alignment of the tiles - if a tile needs to be repositioned or removed, the springs can be compressed, allowing the tile to be moved or taken down without damage



Torsion spring mechanism

Drop and lock system for walls



For walls, we use a common drop and lock system to ensure a tight fit across panels

Metal bends on the sides – flat on the top and bottom

All accessory hardware, including the top rail and strut, are off the shelf

The wall tiles are designed with engagement hooks on the panel ends and mount via a drop-and-lock method

Materials

Andalusia's perf system uses a variety of metal options, tailored for the specific space application

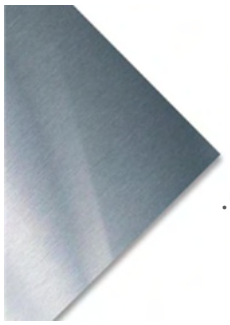
For wall applications, we use 16 and 20 gauge steel

Steel is heavier than aluminum and is more durable for wall applications – especially in high-traffic zones

For ceiling applications, we use .060" to .1" aluminum

Aluminum is perfect for overhead applications - its light weight is better for loads and for installation

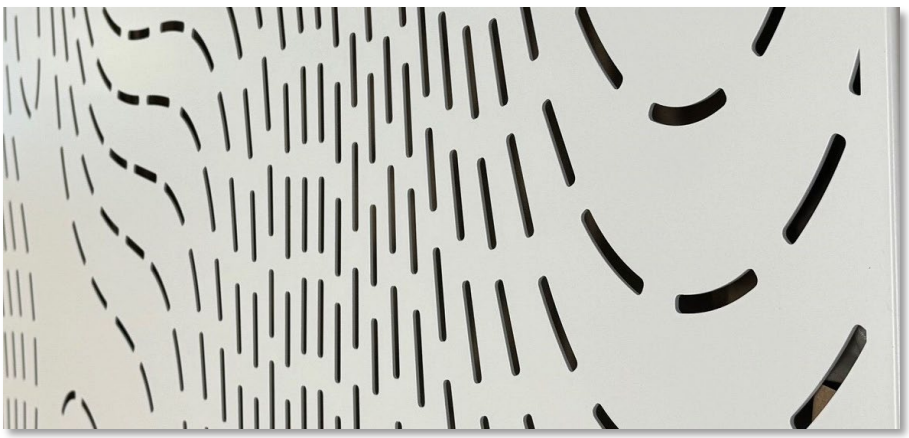
All products can be powder coated to a specified RAL



16 and 20 gauge steel

.060" and .100" aluminum

Andalusia's fiber laser allows for detailed precision cuts



Standard powder coats and custom RALs are available

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

All raw aluminum and steel used have high recycled content and can be easily recycled

We utilize powder coating on metal surfaces, a process that reduces waste and eliminates VOCs

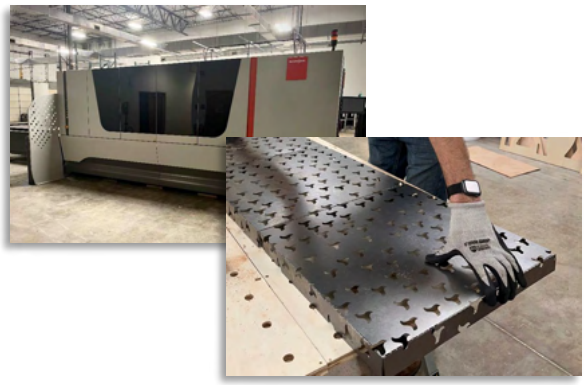
We only source FSC certified wood, ensuring our products are sourced from responsibly managed forests, contributing to environmental sustainability

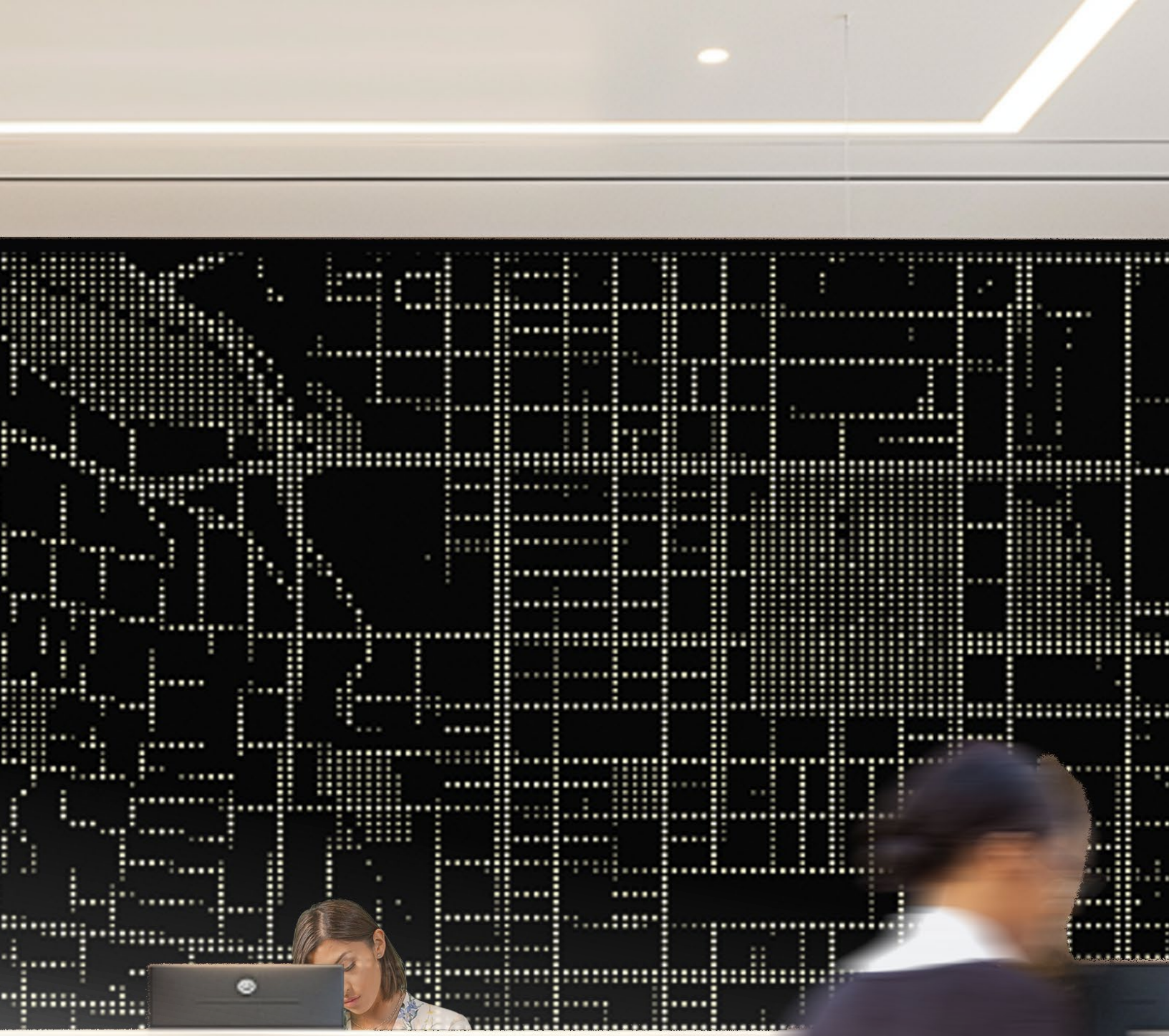
Our MDF material is certified as formaldehyde-free

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

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





Office Lobby

Application: Wall

Inspiration: Street Map

Hole Pattern: Oval

Material: Steel; black matte

Andalusia Design

Where High Design Meets Digital Fabrication™