



Andalusia Design
Specification Guide

Flow

Perforate™ Parametric
Wall and Ceiling System

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.

PERFORATE

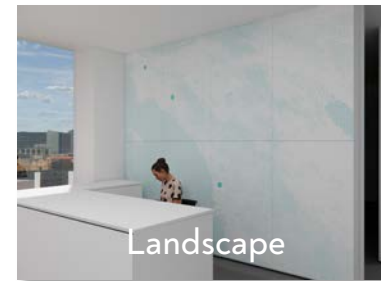
Andalusia Design's Perforate metal wall and ceiling system is a highly-configurable platform that gives designers the freedom to create unique perforated patterns for their client's spaces.

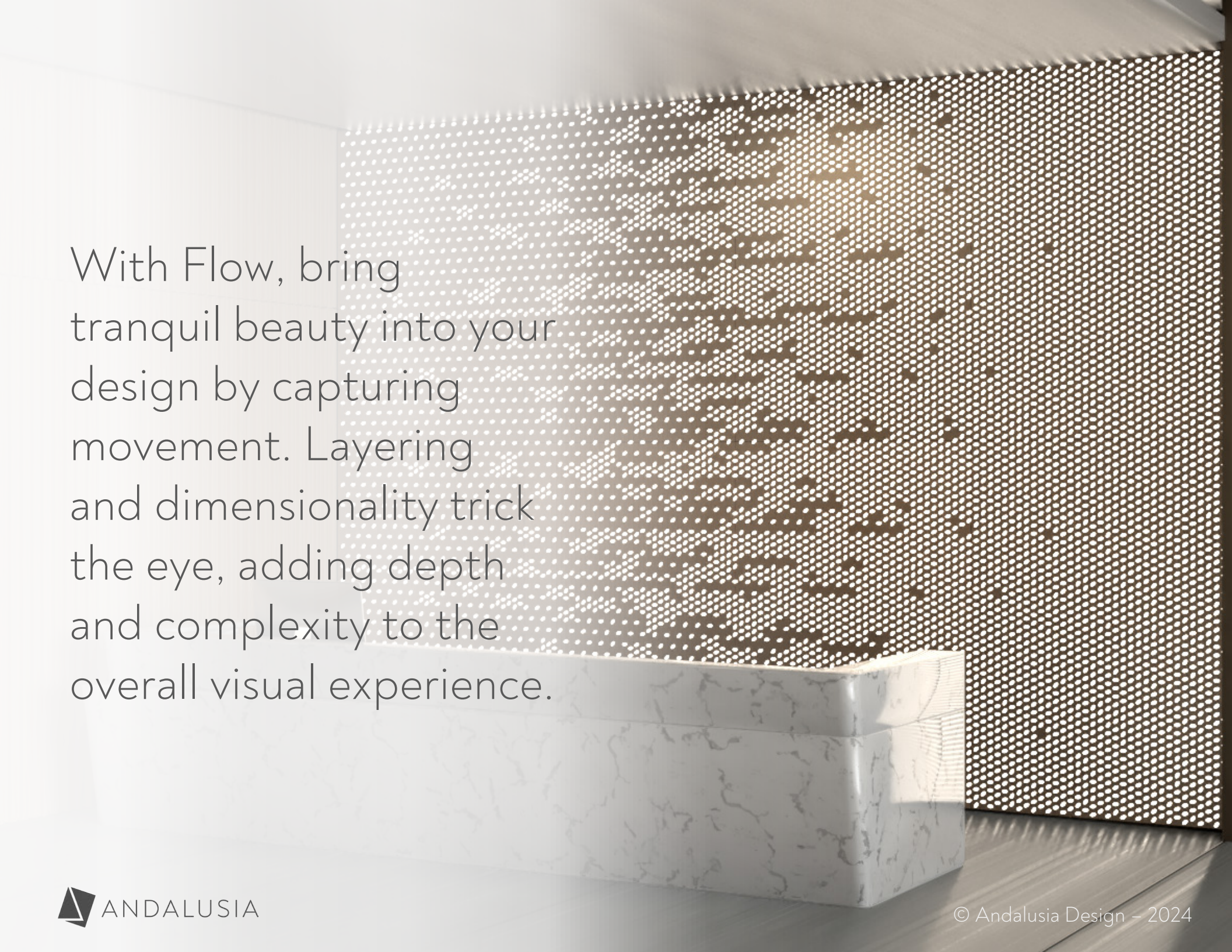
Driven by Andalusia's parametric design engine and in-house digital fabrication, Perforate is ideal for brand-forward, high-traffic areas for commercial and hospitality applications. Designs and hole patterns can be specified and optimized for both aesthetic and budget.

PERFORATE OPTIONS

Perforate is offered in standard configurable and customizable pattern styles. Key Perforate system attributes:

- Available in steel and aluminum, in a variety of standard and custom powder coated finishes
- Standard and custom fiber-laser cut patterns can be fit to your exacting wall and ceiling dimensions
- Option to integrate backlighting with acrylic diffuser to create a dynamic visual effect
- Option to add a composite backing for sound absorption
- Fits into standard grid configurations or can be customized





With Flow, bring tranquil beauty into your design by capturing movement. Layering and dimensionality trick the eye, adding depth and complexity to the overall visual experience.

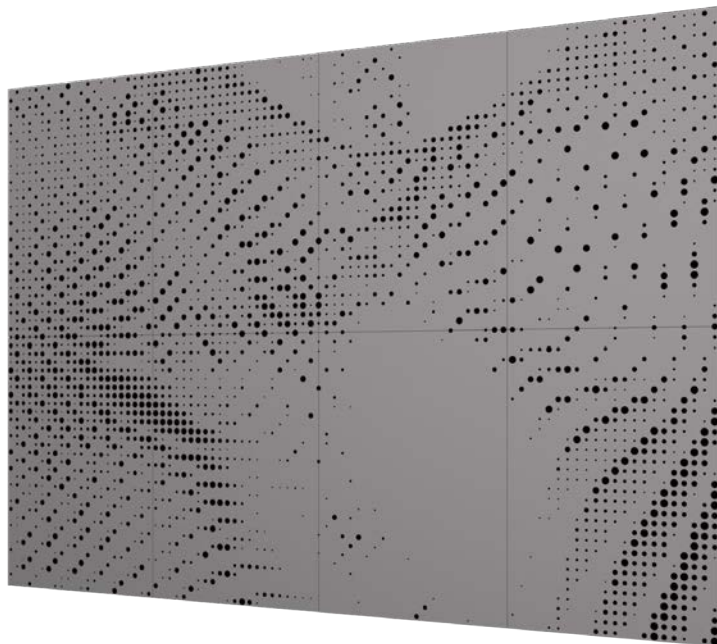
PERFORATE – WHAT IS THE FLOW STYLE?

The Perforate Flow style is a dynamic and versatile metal ceiling and wall solution designed to bring a sense of movement and fluidity to any space.

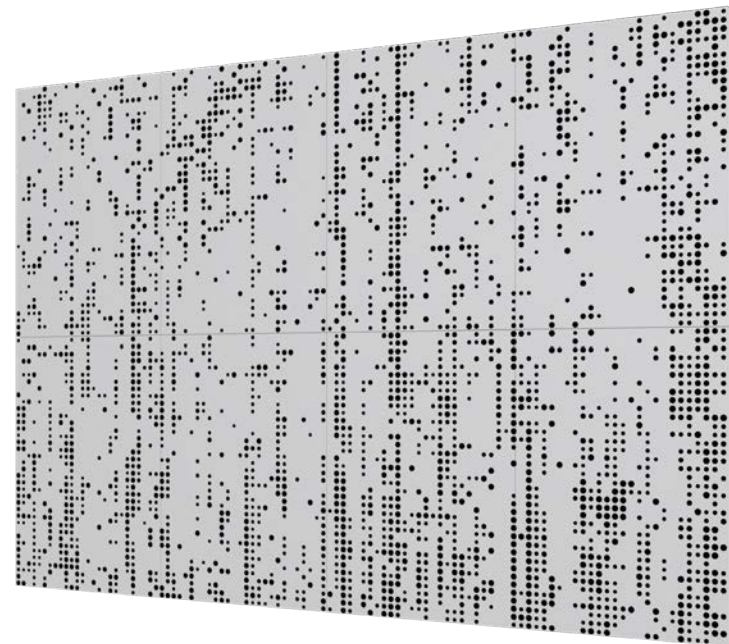
Inspired by natural elements like waves and clouds, this design captures the essence of organic motion, creating an environment that feels alive and ever-changing. Whether you're looking to evoke the calm of a gentle breeze or the energy of a flowing river, Flow seamlessly integrates with your architectural vision to deliver a unique aesthetic experience.

Crafted with precision, the Flow style transforms ordinary surfaces into captivating canvases of art. Its customizable patterns can be tailored to suit various design intentions, from subtle undulations to bold, rhythmic waves. The play of light and shadow across its perforated surface adds depth and dimension, making it an ideal choice for spaces that seek to inspire and engage. With Flow, you can effortlessly infuse your interiors with the beauty of nature's movement, offering a modern and sophisticated touch to any commercial or residential project.

Ripple wave perturbations and interference creates a dynamic pattern



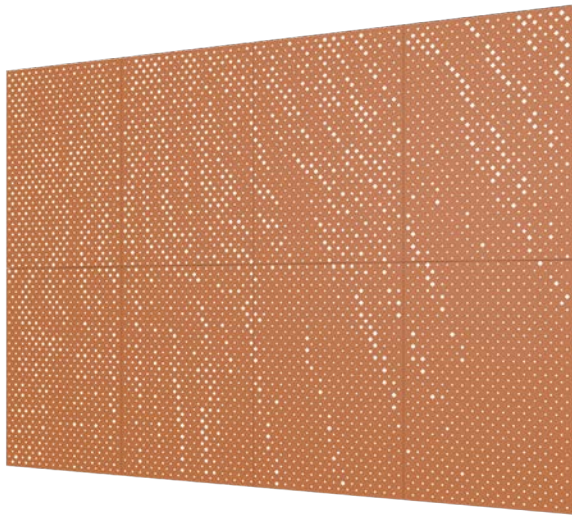
Pattern that mimics rainfall – vertical array, with random interference and reflections



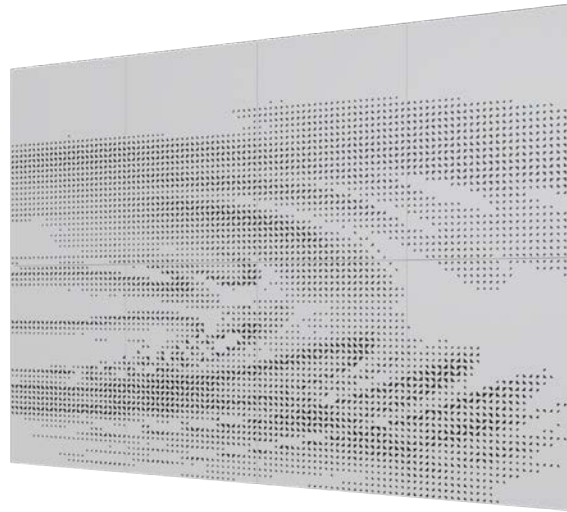
DESIGN STEP 1: CHOOSE YOUR PATTERN

Flow comes in a variety of patterns. Choose one that best represents the design intent of your space, or contact us to create a pattern unique to you and your client.

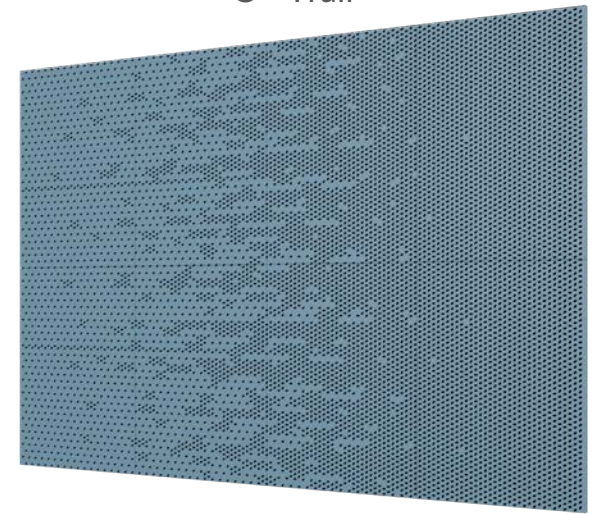
A - Rays



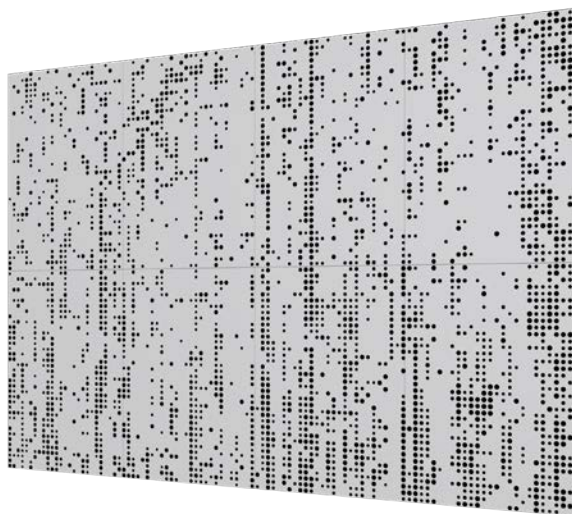
B - Drops



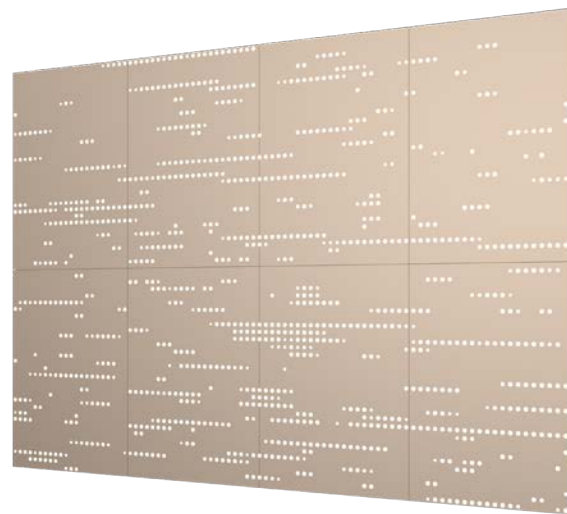
C - Trail



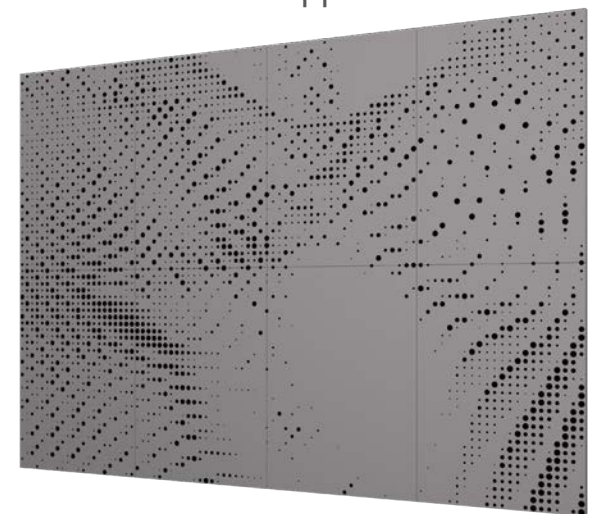
D - Rain



E - Tracks

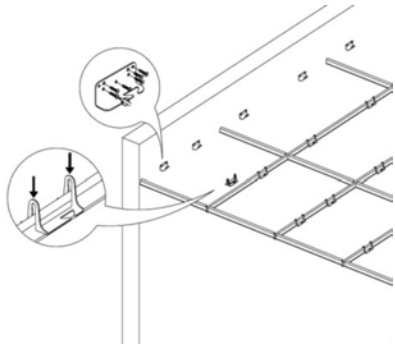


F - Ripple

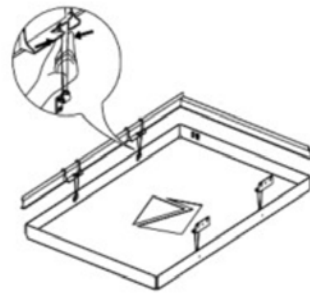


DESIGN STEP 2: CHOOSE YOUR APPLICATION – CEILING, WALL OR WALL-TO-CEILING

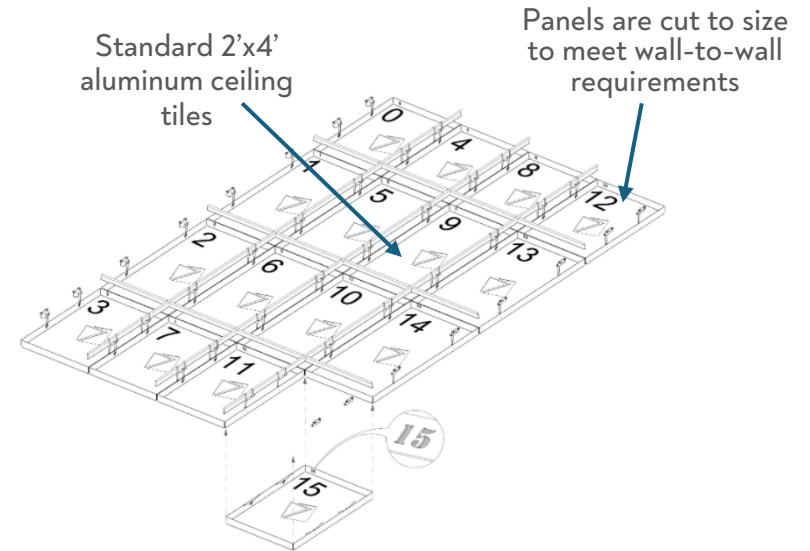
Perforate can be used for wall, ceiling and wall-to-ceiling applications. Wall and ceiling materials and installation differ slightly, but both work with standard installation components and are easy to install.



Andalusia saddle clips are added to standard ceiling grid



Torsion spring mechanism locks ceiling panels in place



Wall-mounted system uses simple Drop and Lock mechanism

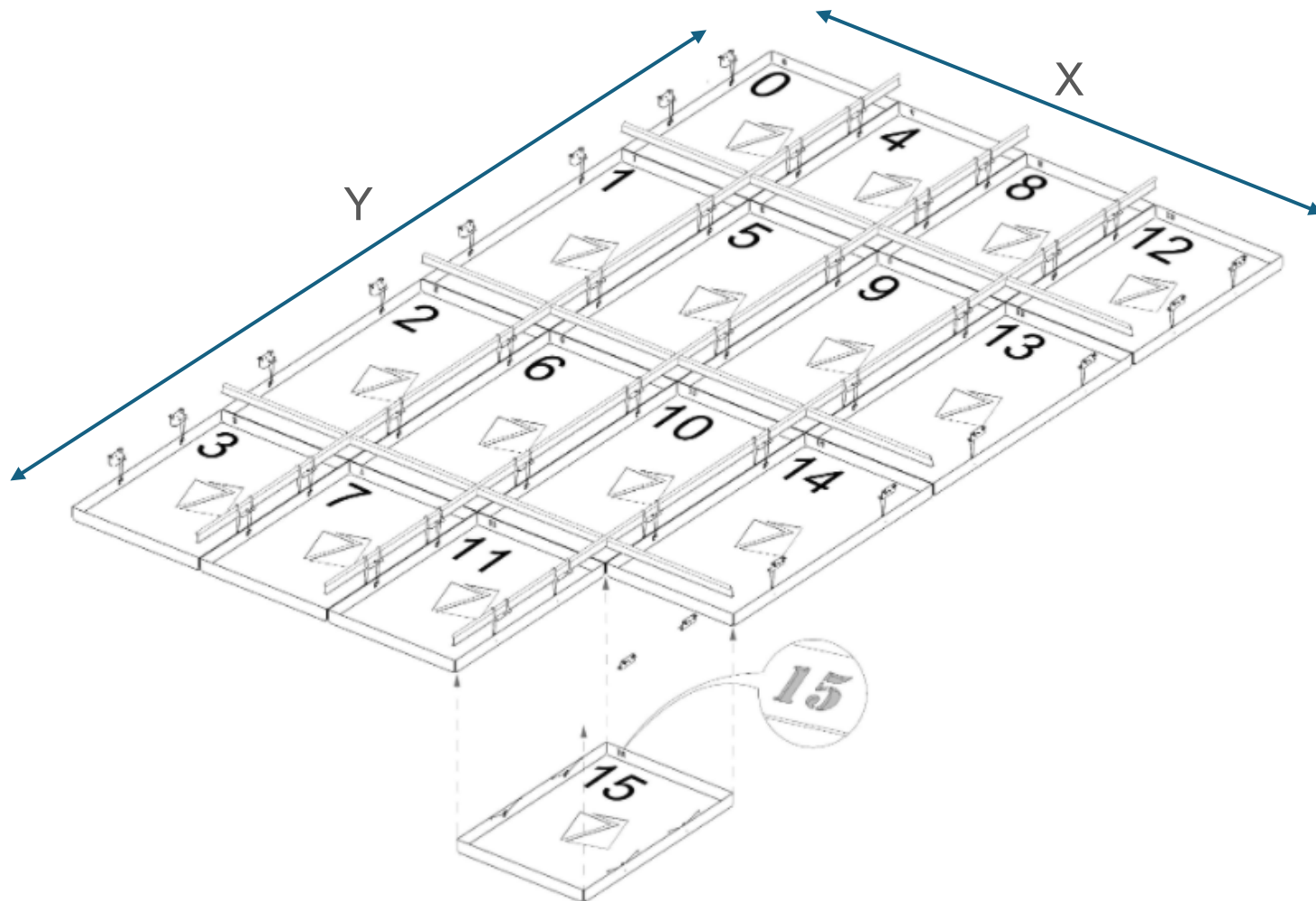


All tiles are numbered with the associated final schematic to ensure ease-of-installation

DESIGN STEP 3: DETERMINE YOUR ARRAY SIZE

Determine the dimensions of your wall and/or ceiling plane. Andalusia will typically work with standard 2'x4' grid tile sizes for ceilings and 4'x4' tiles for walls, but can accommodate different sizes, including near edge conditions.

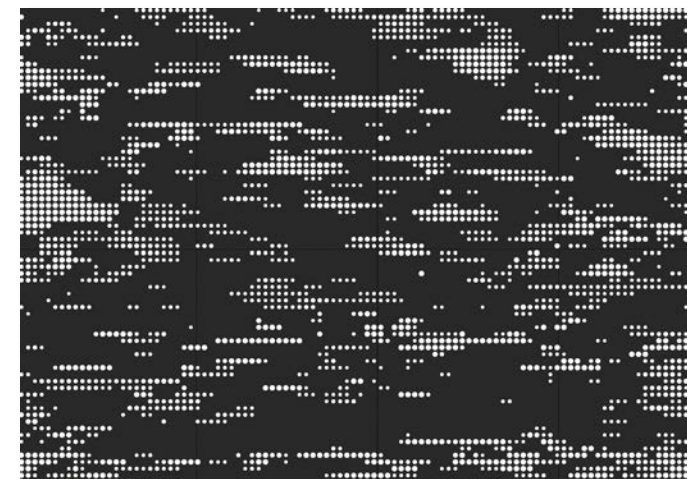
Measure the overall dimension of your array – X and Y dimensions.



DESIGN STEP 4: SELECT YOUR COLOR / FINISH

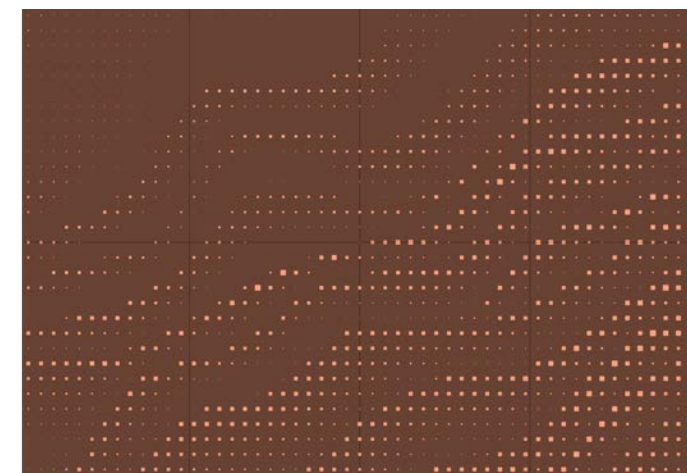
Choose from a variety of standard color / finish options, or work with Andalusia to create something unique!

Standard Color Palette



Black

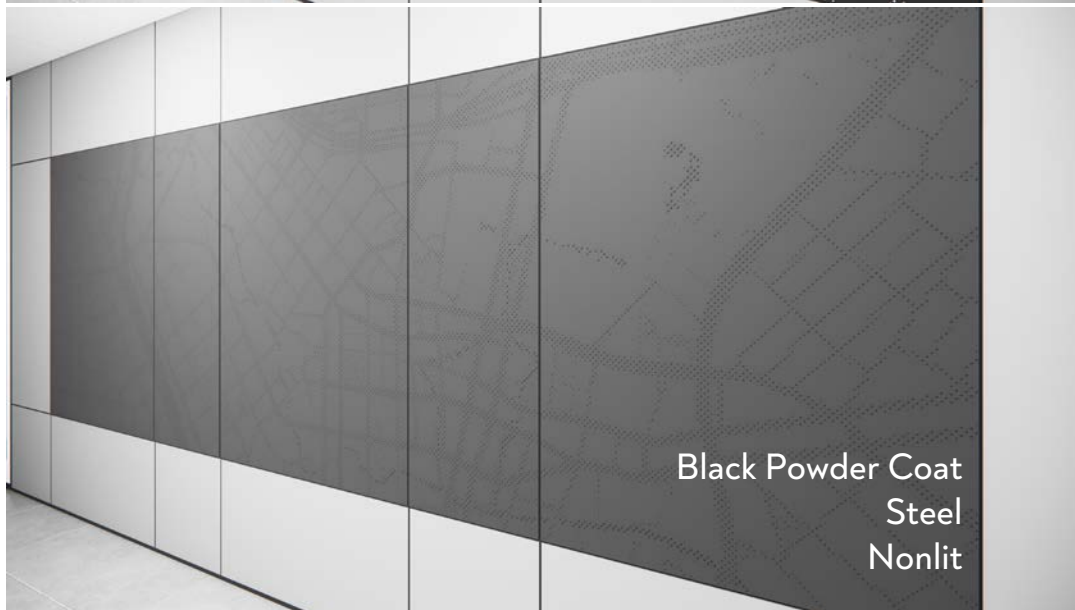
Premium Color Palette



Scarlett Shine

DESIGN STEP 5a: OPTIONAL BACKLIGHTING

Perforate can be enhanced with backlighting to make the Perforate Flow 'pop'. Backlighting the system adds additional cost and complexity – below are considerations when designing.



- A. Andalusia does not offer its own backlighting solution, but has recommended partners in every region
- B. When specifying backlighting, Andalusia offers a standard acrylic diffuser that is custom fit into each Perforate panel
- C. For most backlighting applications, a sheet LED array with 6" diode spacing is ideal. The LED array must be mounted at least 3" from the panel diffuser.
- D. The more room there is behind the panels, the more opportunities there are for cost-effective lighting solutions. Contact Andalusia to learn more.
- E. Andalusia can work with you to optimize hole sizes and patterns to help achieve any functional lighting requirements you may have

DESIGN STEP 5b: OPTIONAL FELT BACKER

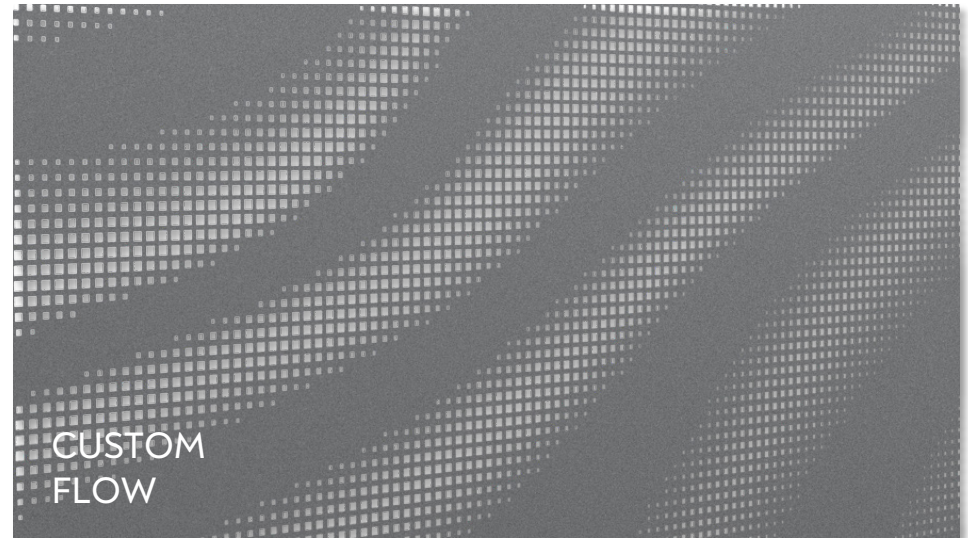
If the Flow is in a well-lit area of a space and you're looking to add a pop of color and/or functional acoustic performance, Perforate can be supplied with a standard composite backer. Contact Andalusia for more information on standard and custom options, along with functional specifications.



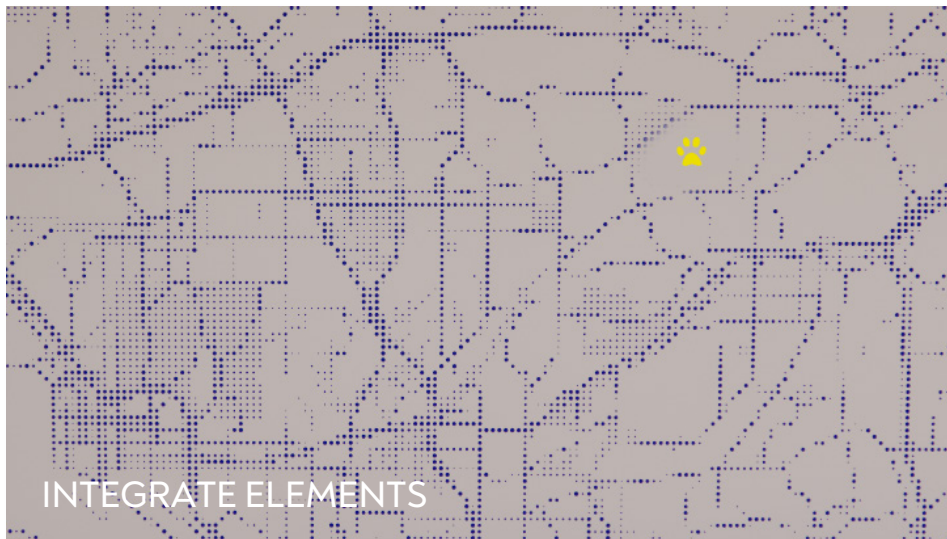
CUSTOMIZATION OPPORTUNITIES



Add a replaceable magnetic center insert that can be used to highlight a brand; light it independently with RGB!



Create custom flow patterns! Contact Andalusia to discuss your ideas – we're happy to ideate and draw up options.



Downlights, sprinkler heads and other elements can be added without losing design intent.



Wall-to-wall and wall-to-ceiling applications are easy to work with. Contact us to ensure the right fit with custom panels to fill the surface!

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 Perforate 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, V-Ray
- 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

ONE-PAGE PERFORATE 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!

APPLICATION

- W – Wall mount
- C – Ceiling
- WC – Wall-to-ceiling

PATTERN

- A – Rays
- B – Drops
- C – Trail
- D – Rain
- E – Tracks
- F – Ripple
- Something different:

POWDER COAT FINISH

- Signal White
- Traffic White
- Pure White
- Champagne
- Quartz Gray
- Anodized Silver
- Black
- Sea Blue*
- Azure Horizon*
- Copper Ember*
- Vintage*
- Scarlett Shine*
- Tourmaline*
- Ancient Ore*
- RAL _____

* Denotes Premium Finish

ARRAY SIZE

- X Dimension

- Y Dimension

BACKING OPTION

- Backlighting with Acrylic diffuser
- Notes:

- Composite backing
- Color: _____
- Notes:

CUSTOMIZATION INTEREST

- Custom Insert

- Wall-to-wall
- Integrated components (HVAC, sprinklers, etc.)

OTHER QUESTIONS

Project stage _____
Approximate SF _____
Approximate budget / SF _____
Modeling software _____
Other unique variables

Need Assistance on your next Project?

Contact us at
hello@andalusia.design