

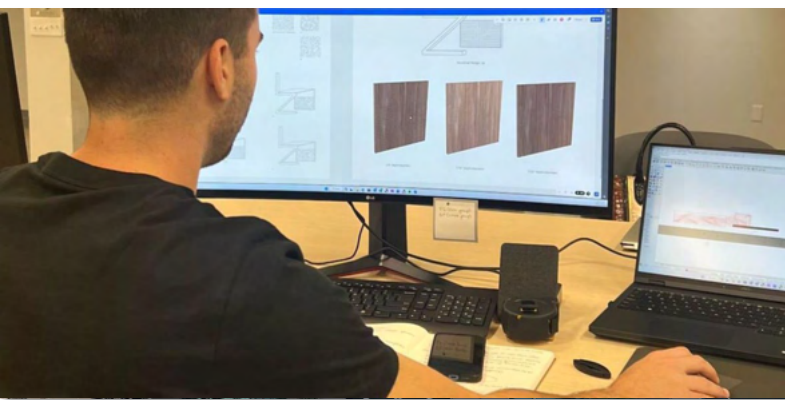


Contour Slats

Andalusia Design's Parametric Wood Wall and Divider Systems

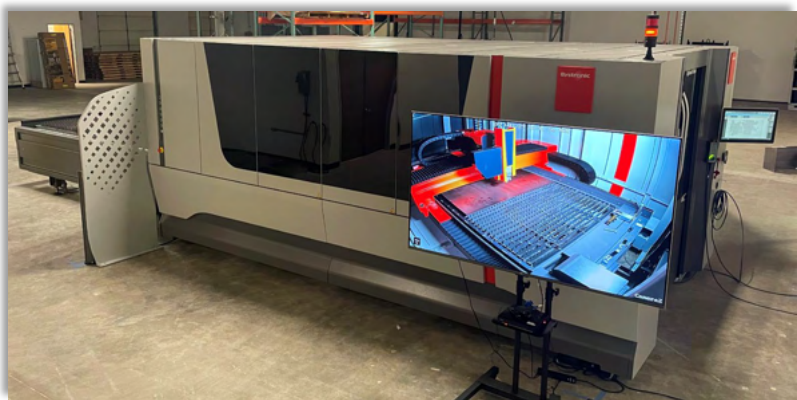
Andalusia Design

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™

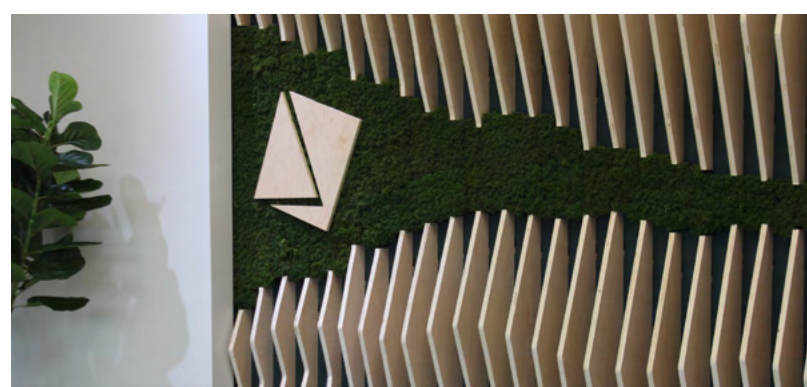
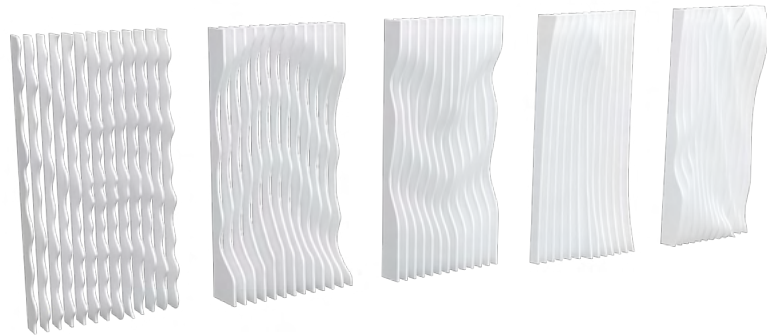
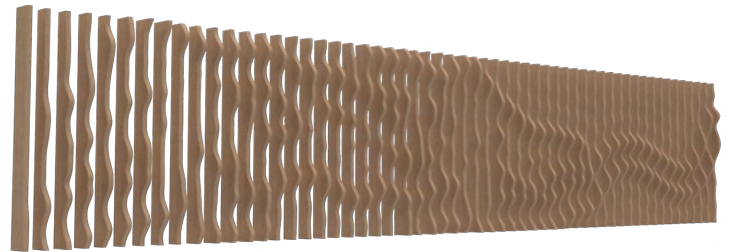
Andalusia products are parametric – giving designers control over the creative process

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

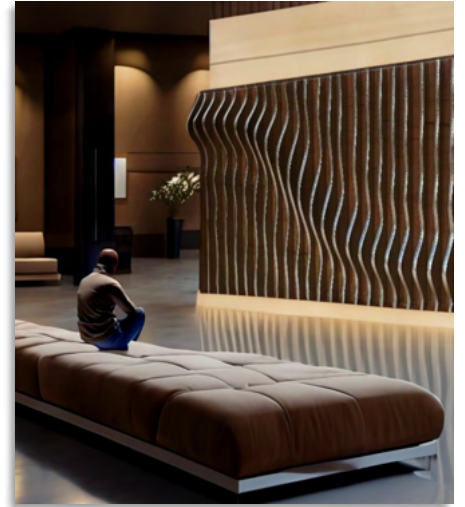




Elevate your spaces with
slat designs that are unique
to you and your clients



Andalusia's Contour Slat wall and divider systems are highly-configurable and customizable.



Perfect for use as feature surfaces for high-traffic, branded areas in commercial applications, including offices, healthcare facilities and hospitality.



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.



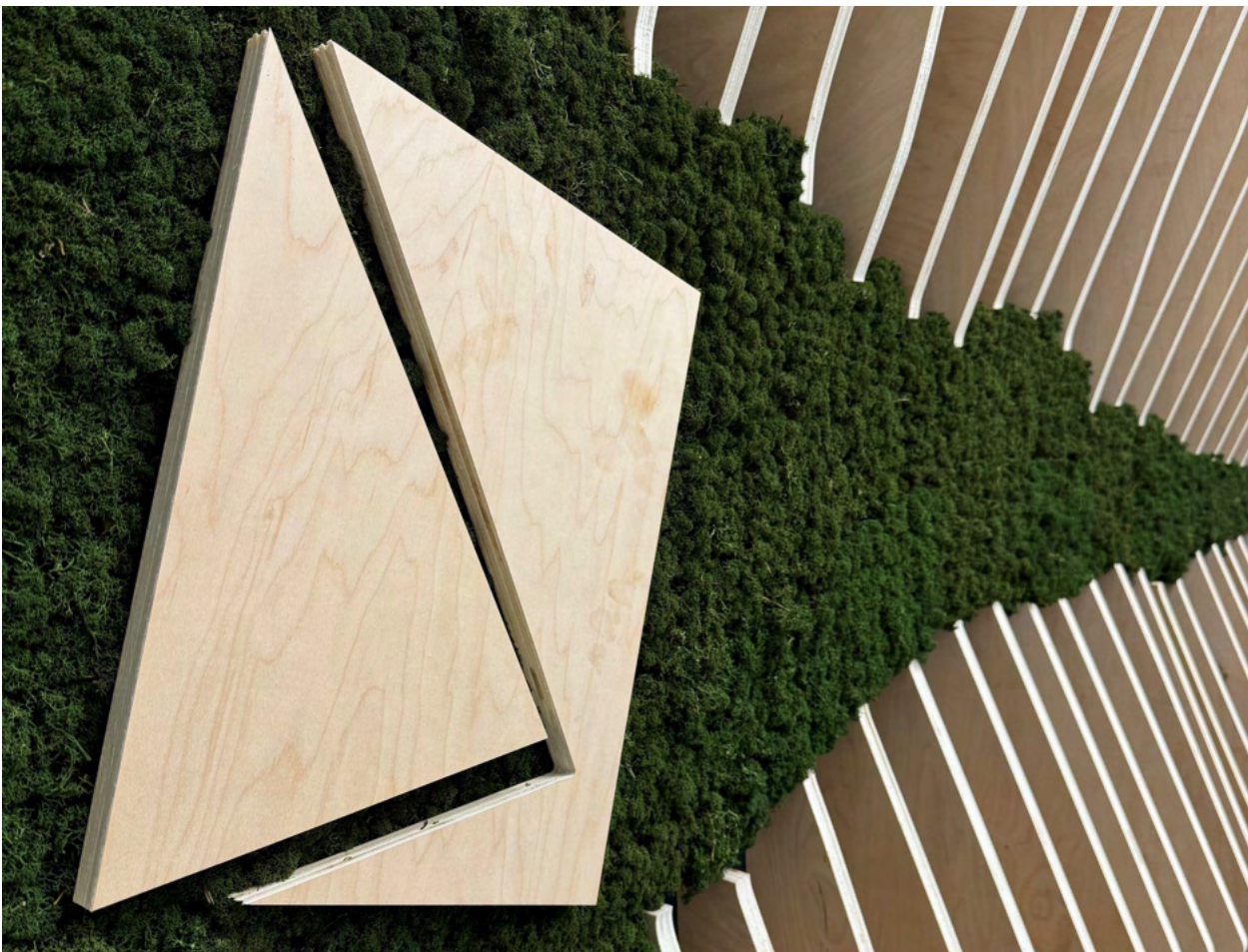


Office Atrium

Application: Wall

Surface: Straight slats

Material: Walnut stained ply



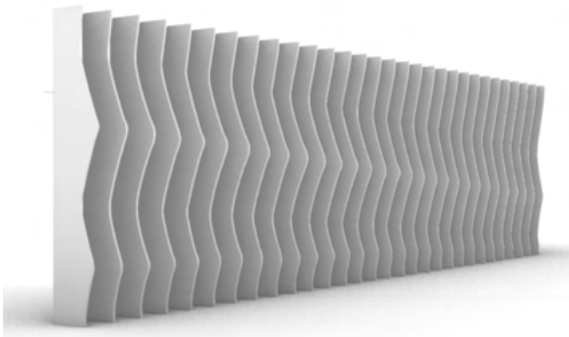
Wall
Systems

Space
Dividers

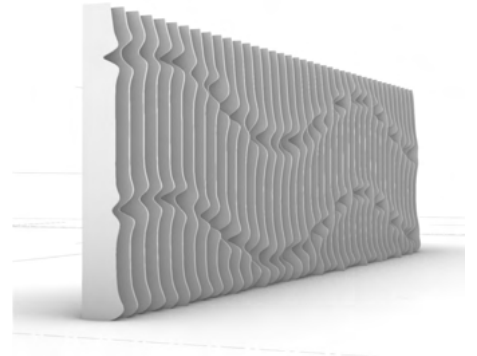
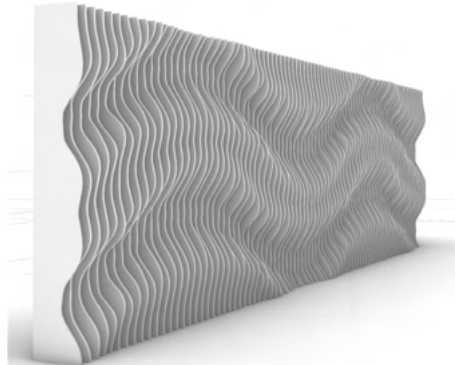
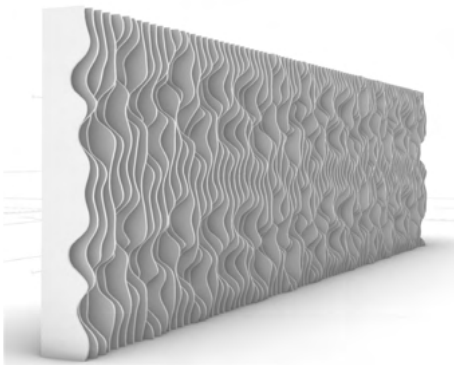


Contour Slats Surface Configurations

Andalusia's slat system can be designed to meet the unique needs of your project – and the unique brand of your client.

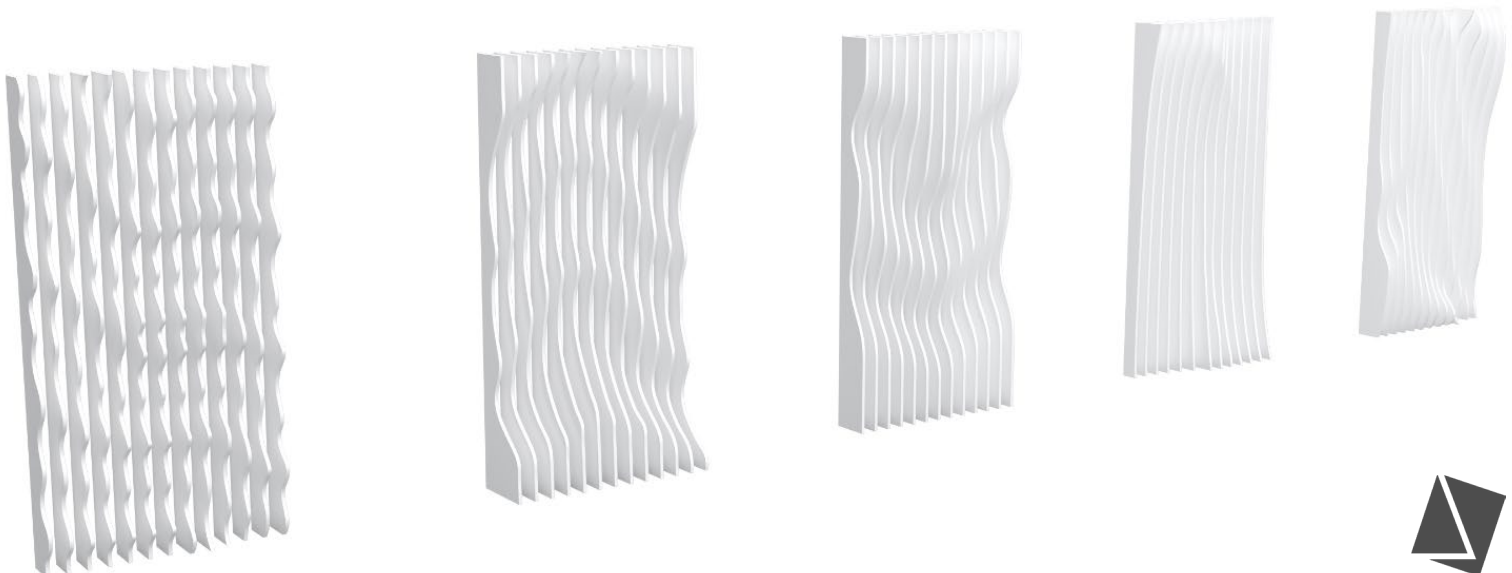


Choose from a large library of surface configurations, including waves, facets, bumps, etc., or we can help you create something new!



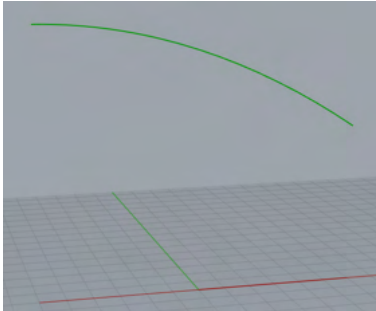
You can also change the design within the design!

The sine wave pattern (above) can be modified to create different cut outs. The ripple pattern (below) can be designed to change its 'waviness'.



Contour Slats Design Process

Once you have a sense of the surface design you're looking for and the size of the system, you can change variables to optimize your aesthetic, including: relative location of the surface design, slat spacing, slat depth and overall shape.

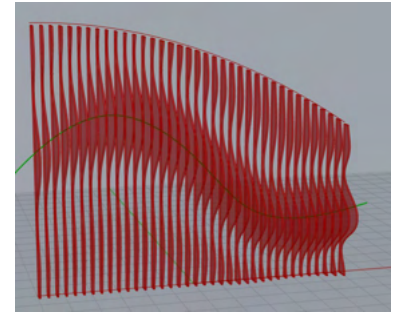
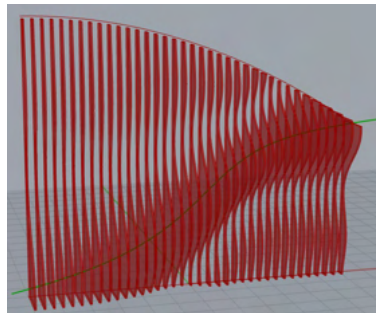


1 Define working area

Whether working in Revit, AutoCAD, Rhino, Sketchup or another modeling software, we will create an outline in a 2D plane or 3D space for where the slats will be used, then port that information into our parametric platform.

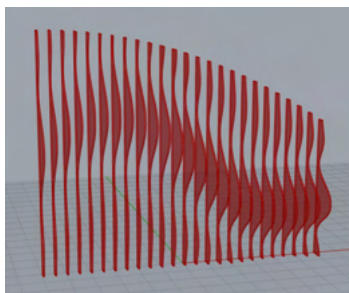
2 Create surface

We will apply different surface options to determine the most interesting and relevant aesthetic.

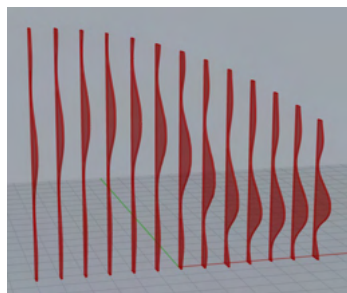


3 Optimize variables

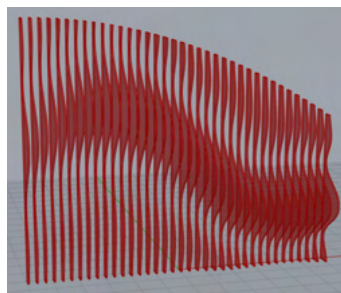
Once you have the ideal surface design, now we can play with slat spacing and slat depth (how far the slats protrude out of the surface), to optimize for aesthetic and cost.



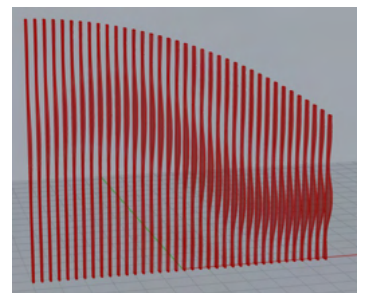
Slats spaced 6" o/c
2"-12" depth from wall



Slats spaced 12" o/c
2"-12" depth from wall



Slats spaced 4" o/c
2"-12" depth from wall

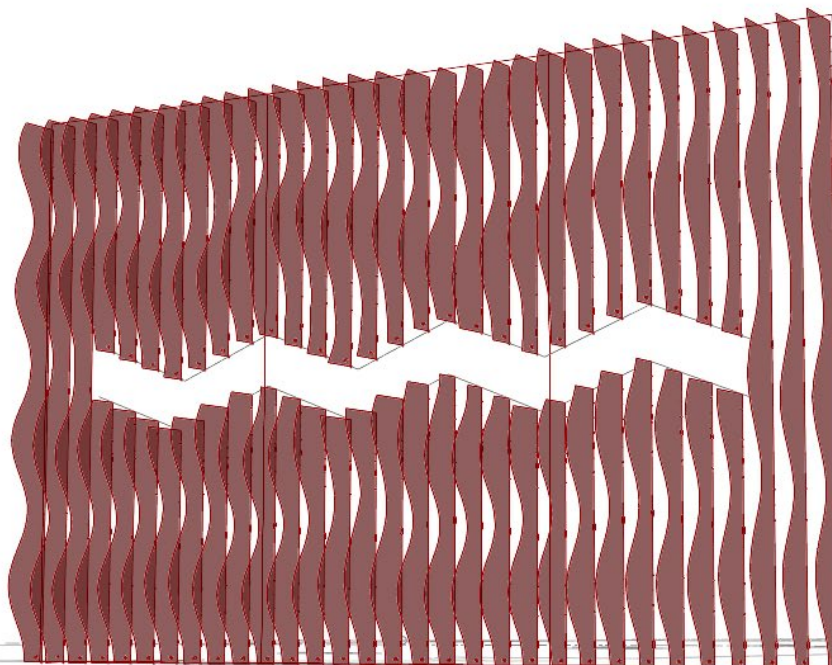
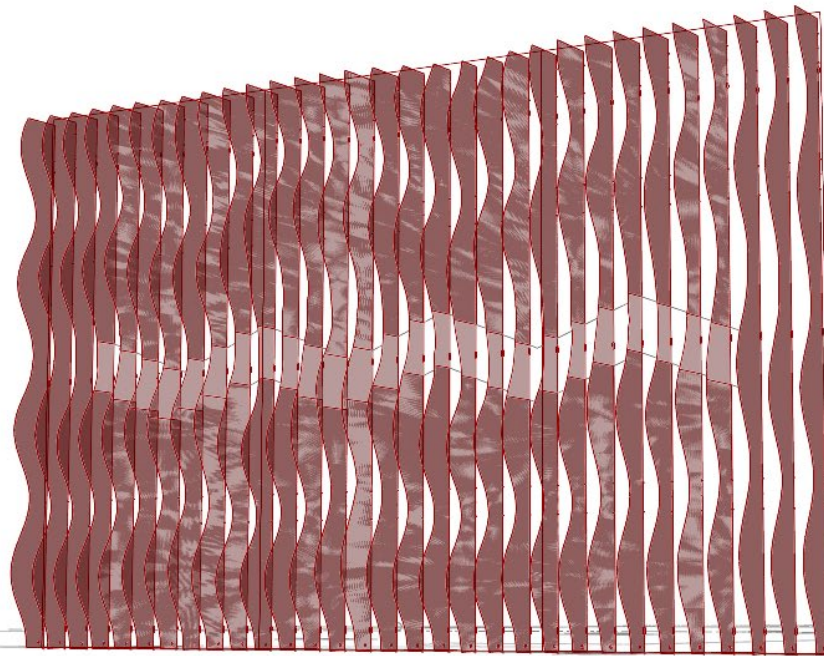


Slats spaced 4" o/c
2"-6" depth from wall



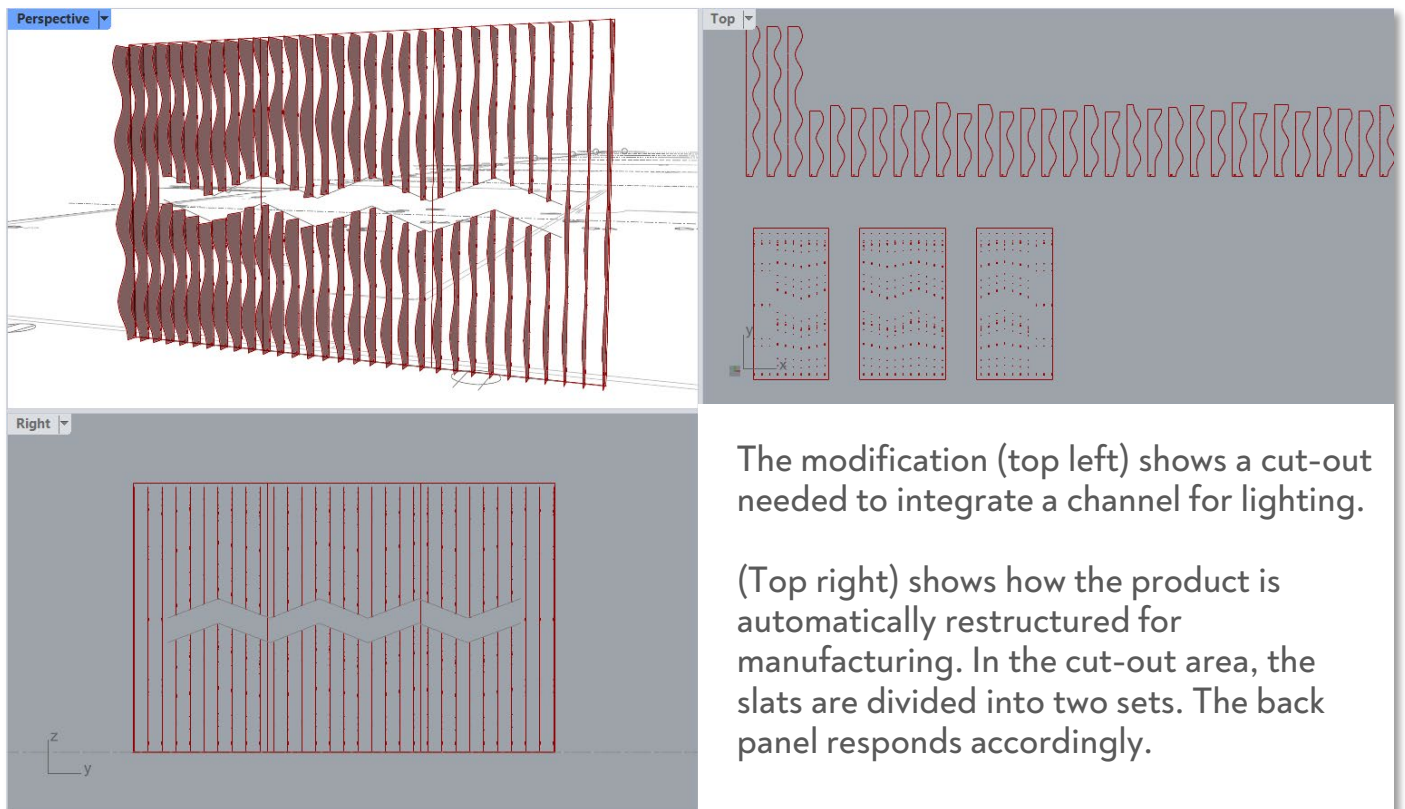
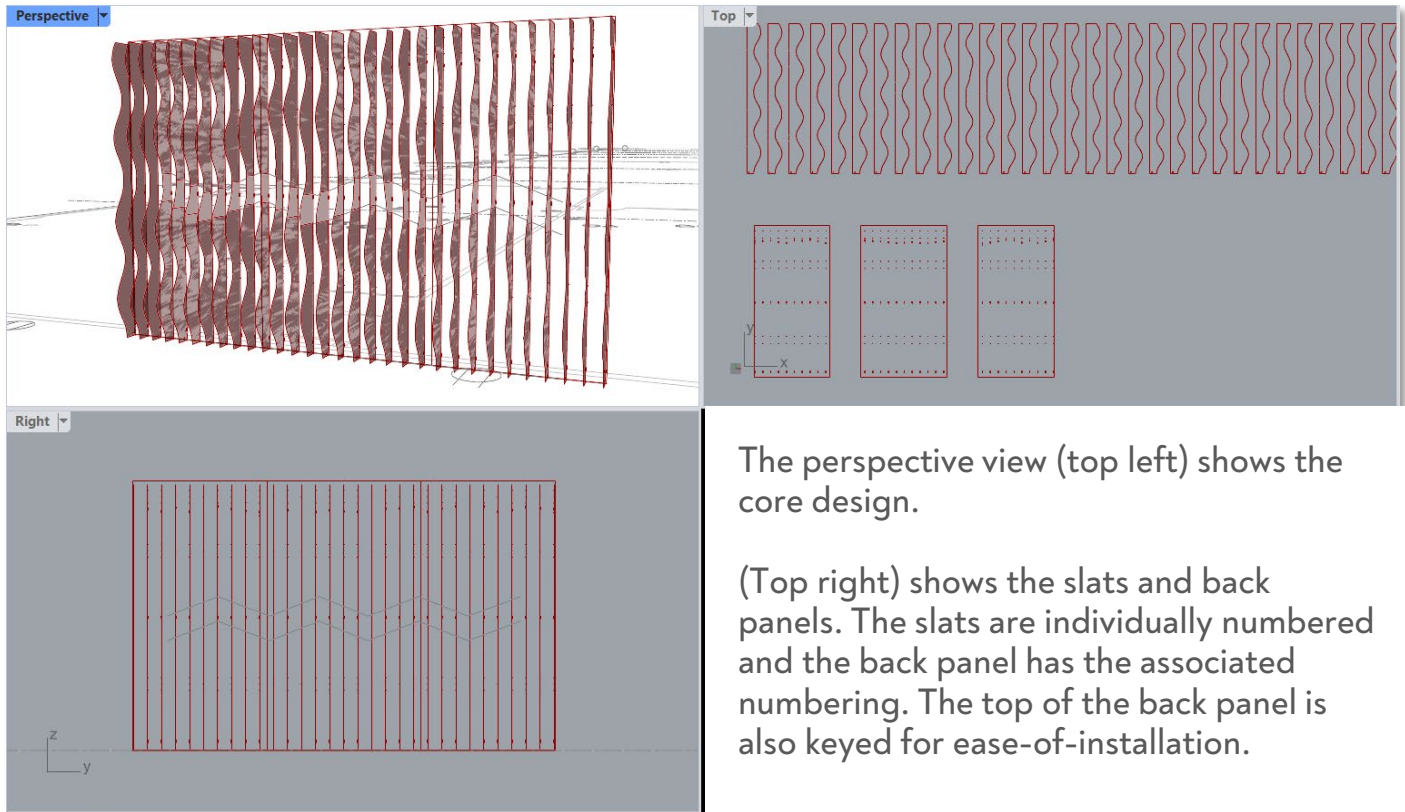
Contour Slats Responsive Design

A key benefit of parametric design is the ability to write rules around how your design responds to elements, including lighting, HVAC and other components. Your design can also adapt to curved walls, structural elements, window cut-outs... or even your interior design!



Contour Slats Real-Time Manufacturability

Andalusia's automated CAD-to-CAM capabilities allows your design to be modified and immediately pushed to production via parametric capabilities. This allows us to provide real-time pricing, lead time estimates and material usage for sustainability metrics.



Construction - Divider

The slat wall divider is engineered to operate as a free-standing privacy and shelving system.

Aesthetically, the system can be designed with a variety of surface characteristics to create a dynamic space element.

The vertical panels and horizontal shelves provide visual division, solid structure and functional utility to the client.

All divider systems are made with MDF, painted to any RAL.



Horizontal Shelf



Vertical Panel

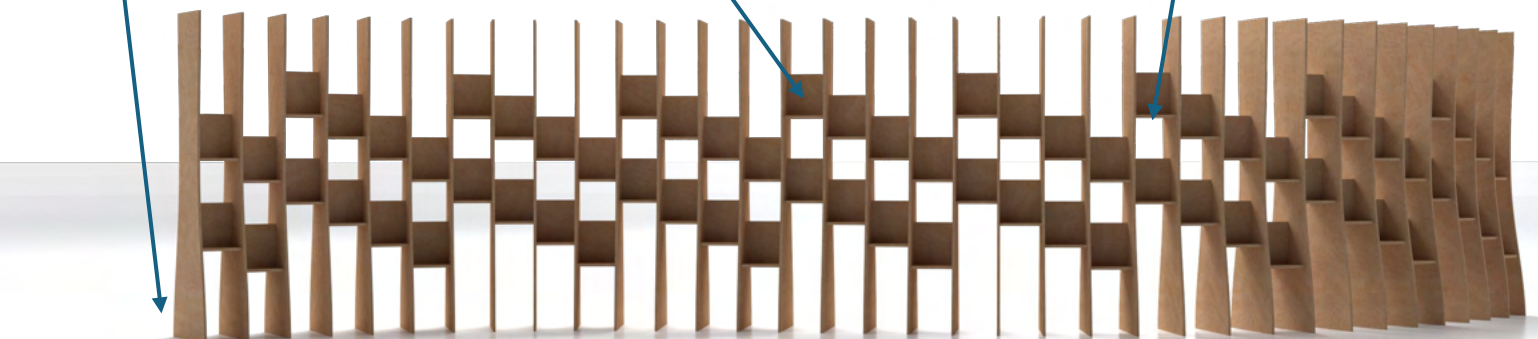


Invisible joiner hardware to connect components

Wide base for structural stability

Vertical panels to prevent racking / provide visual privacy

Horizontal elements for structural stability and shelving



Construction - Walls

The Contour Slat system can be mounted to any wall plane, designed with a variety of surface options

Back panel that houses the slats anchors directly to the structural wall studs

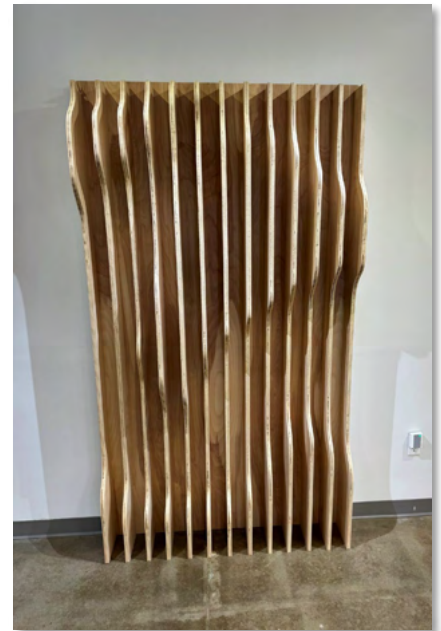
The contoured wall slats engage with a slotted and keyed back panel for a clean aesthetic, structural stability and ease of installation

Wall slats are individually numbered and keyed to the corresponding back panel location

Wall systems can be specified with stained plywood or painted MDF

The slat system can be specified up to any height with 3" minimum slat spacing

No visible hardware with embedded joiner



Wall slat system with plywood back panel – no visible hardware



All slats are individually numbered



Auto-generated keyed back panel for ease of installation



Hidden joiner hardware



Materials

Andalusia's architectural slats can be specified with $\frac{3}{4}$ " plywood or MDF

Plywood and MDF are the optimal materials for intricately-designed parametric wood slats:

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

A variety of standard and custom stains and paint color options are available



High-quality Garnica plywood offers durability and great surface finish



Moisture-resistant MDF





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



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

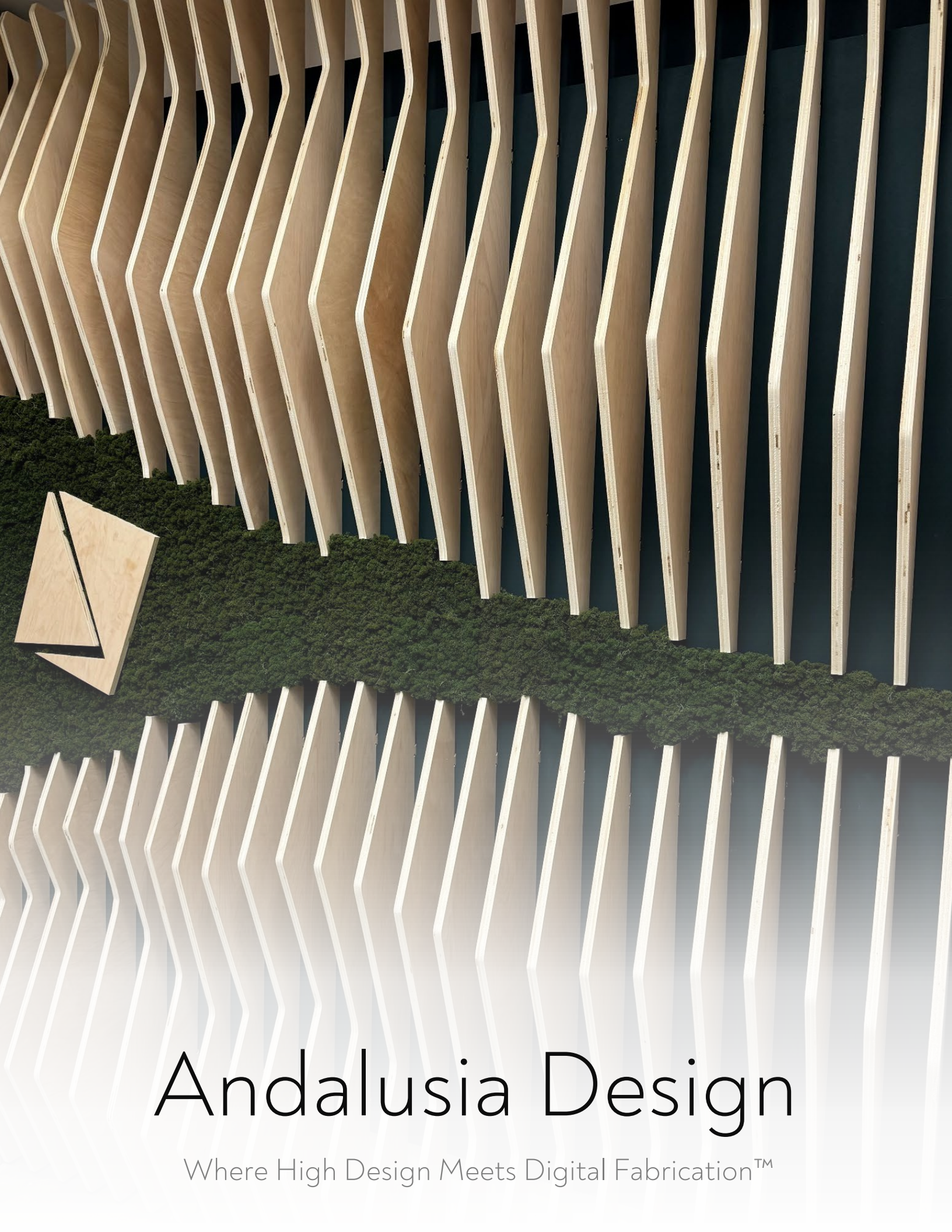
Our parametrically-designed products minimize material usage via intelligent material analysis and via optimized nesting during production

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





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