



Specification Guide

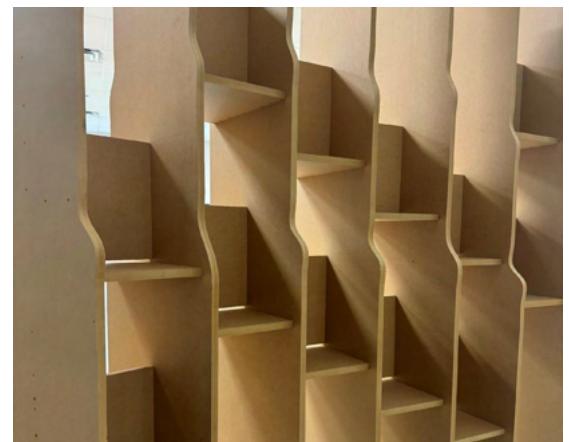
Contour Slats

Andalusia Design's Contour Slat system is a parametrically-designed, highly-configurable solution designed to meet the needs of your feature wall and space divider designs.

Driven by Andalusia's parametric design engine and in-house digital fabrication, architectural slats are ideal for brand-forward, high-traffic areas across a variety of commercial and hospitality applications.

Contour Slat System Features

- Choose from a variety of surfaces in Andalusia's library or work with us to create your own custom surface design
- Installation types include wall mount and free-standing dividers
- Easily integrate and design around corresponding space elements
- Component elements and constraints can be designed collaboratively from scratch, or the slat system can adapt to existing infrastructure
- Integrate interesting aesthetic features, like moss, brand logos, and other materials
- Create a system of practically any size – the solution will optimize each slat for aesthetic quality, packaging and installation
- Made from high-quality MDF and veneered plywood, with a wide variety of stain and paint colors
- We make the process of design changes easy – we will iterate with you in near real-time
- If you need to Value Engineer, our parametric platform will allow you to modify materials, spacing, surface area, etc. to hit the target price point
- Fast design turnaround times and product lead times
- Installation is intuitive – numbered slats and back panels with keyed joiners ensure the correct locations, and we use common hardware



How to Specify - Overview

Andalusia's mission is to make high-design, parametric systems accessible to the end market. A big part of that mission is to make the design, specification, ordering and installation processes as straightforward and seamless as possible!

1. Determine Application

Wall? Wall-to-ceiling? Free standing wall? Each has different technical requirements, which drives design options and installation.

2. Define Surface Characteristics

Do you like smooth or sharp transitions? A well-defined image or something more abstract? We will work with you on the front-end of design to present the best solution possible.

3. Determine Array Size, Spacing / Resolution and Slat Orientation

Array size, spacing and orientation all impact the final aesthetic and price point. We will help you visualize the options in your environment to select the best solution.

4. Integrate Elements and Design Around / Within Constraints

A major advantage of parametric design is in the ability to design around, or respond to, constraints, including components and other space elements, like furniture, curved walls, etc. We will provide you with design options and iterate when conditions change.

5. Select Wood Type and Finishes

Choose from a variety of stained plywood options or painted MDF

6. Price Quote and Design / VE Iterations

We can quickly generate pricing information based on the above variables – then work with you on iterations to make sure we hit your budget mark, while maintaining design intent.

7. Finalize Installation Documents

Installation may vary based on application, design and/or integration of components. We will construct shop drawings and schematics for your install

8. Design Approval

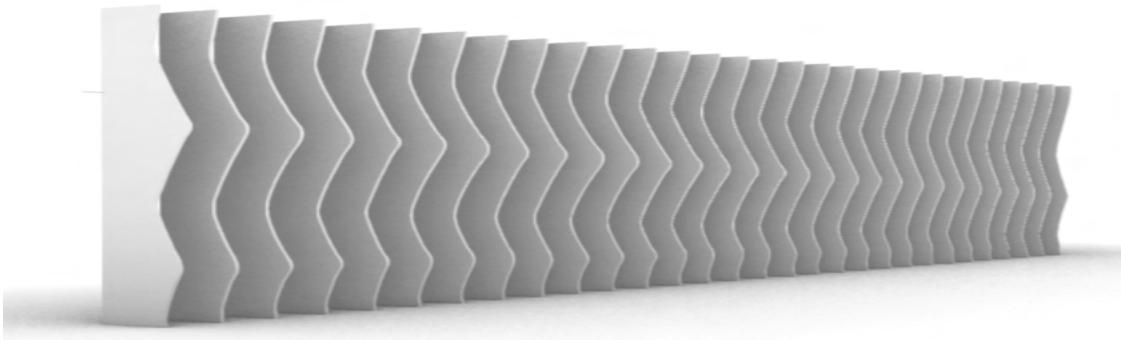


Contour Slats – Applications

The first step in the design process is to select your application. Slats are a great solution for walls, ceilings and free-standing dividers, but each application has unique design, technical and installation requirements and constraints.

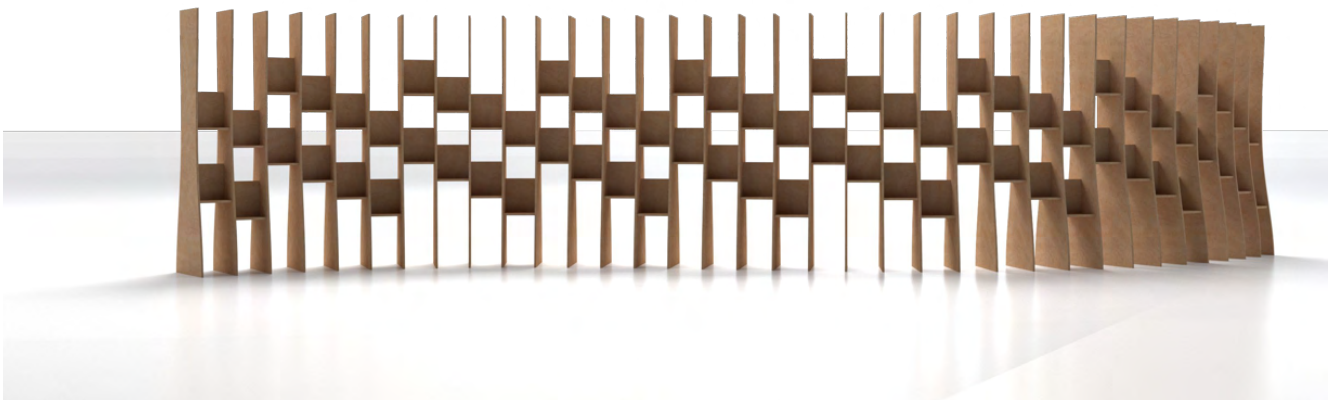
Wall-Mount

Wall-mounted slats offer the most design flexibility of all applications. A great solution for feature walls or to add dimension to a surface.



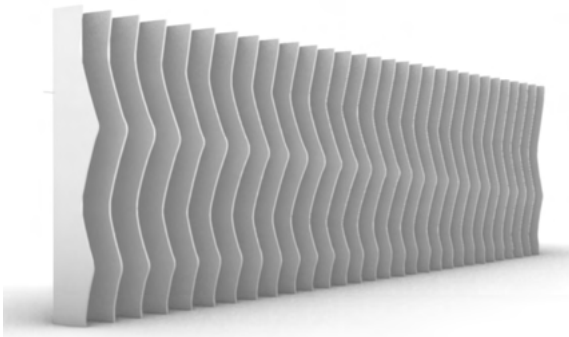
Free-Standing Wall / Divider

Free-standing dividers add dimension to an open space. Structural considerations alter the design approach relative to wall and ceiling mounts.

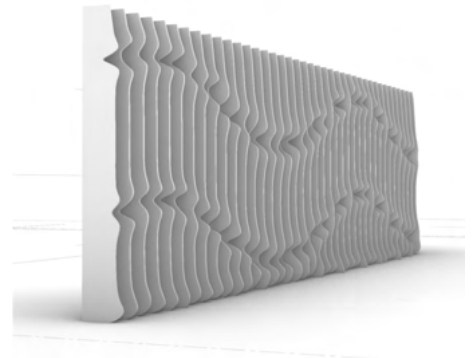
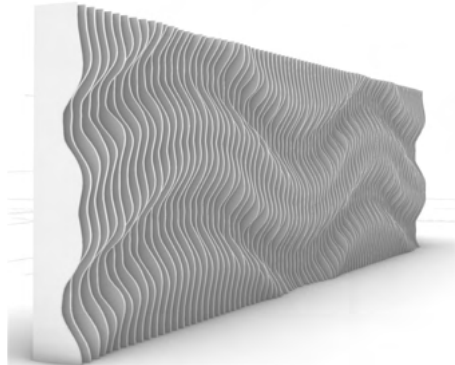
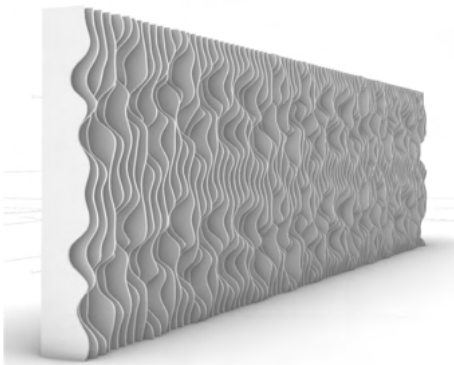


Contour Slats – Surface Configurations

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!



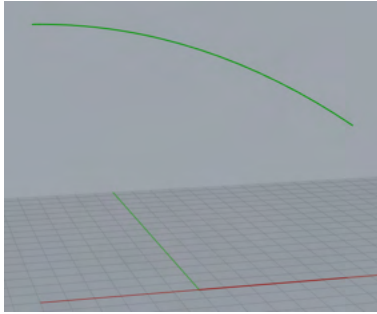
You can also change the design within the design!

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 – Dimensions and Spacing

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.

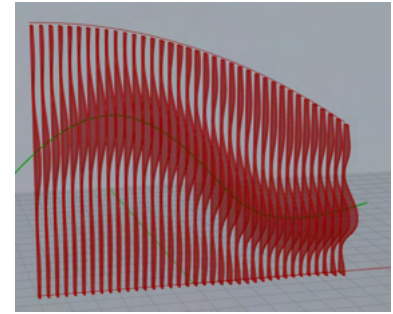
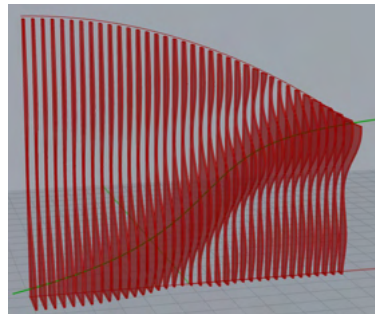


1 Define working area

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.

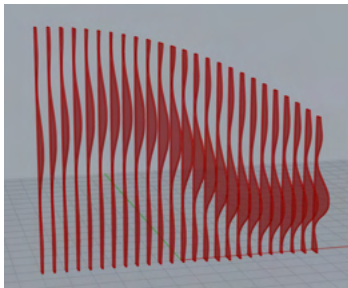
2 Create surface

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

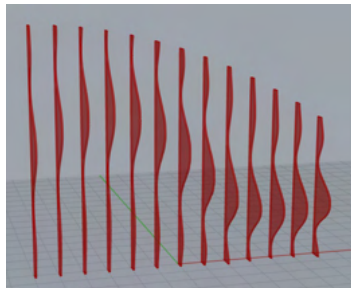


3 Optimize variables

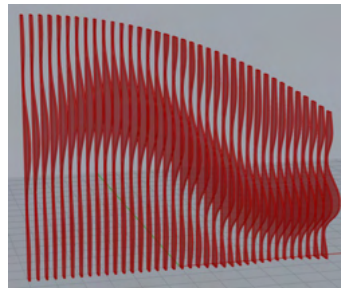
Once you have the ideal surface design, now we can play with slat spacing and slat depth (how far the slats protrude out of the surface), to optimize for aesthetic and cost.



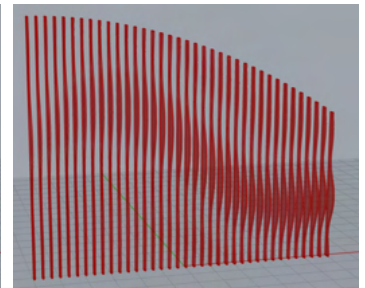
Slats spaced 6" o/c
2"-12" depth from wall



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



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



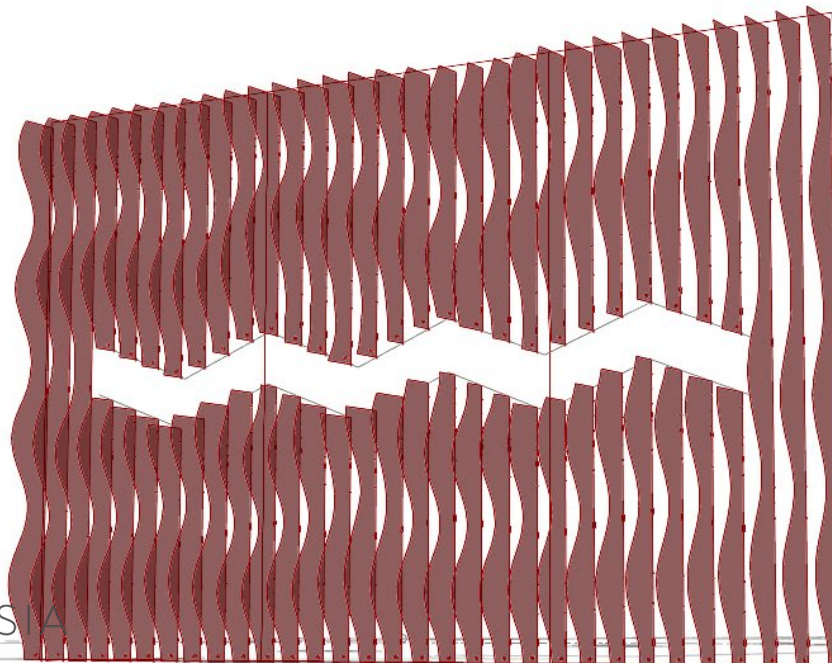
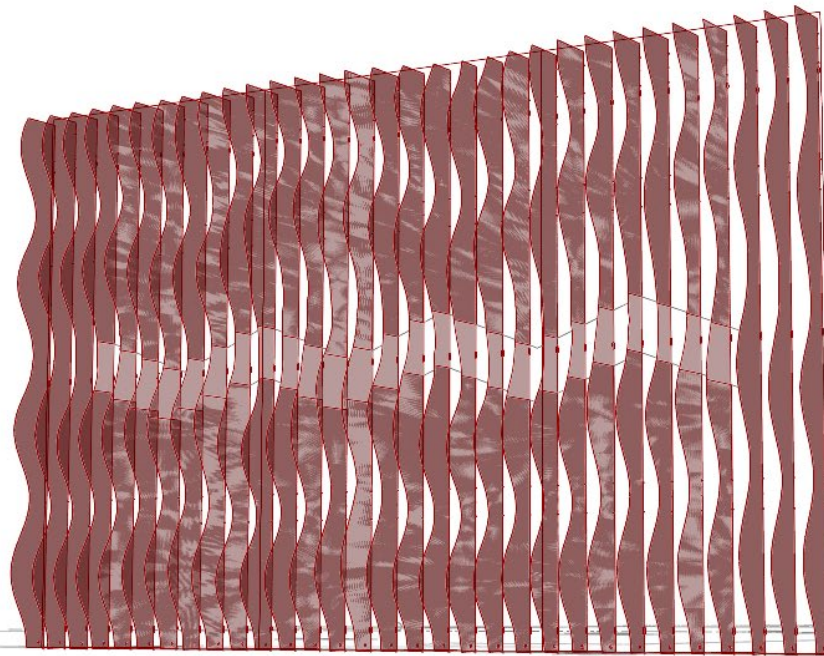
Slats spaced 4" o/c
2"-6" depth from wall

Contour Slats – Responsive Design

A key benefit of parametric design is the ability to write rules around how your design accommodates and responds to elements, including lighting, HVAC and other components, without the typical long change process.

Your design can also adapt to curved walls, structural elements, window cut-outs... or even your interior design.

Contact Andalusia Design to discuss your exacting project needs.



Contour Slats – Space Divider Construction

The Contour 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

The divider can be specified up to 8' tall with 12" minimum slat spacing

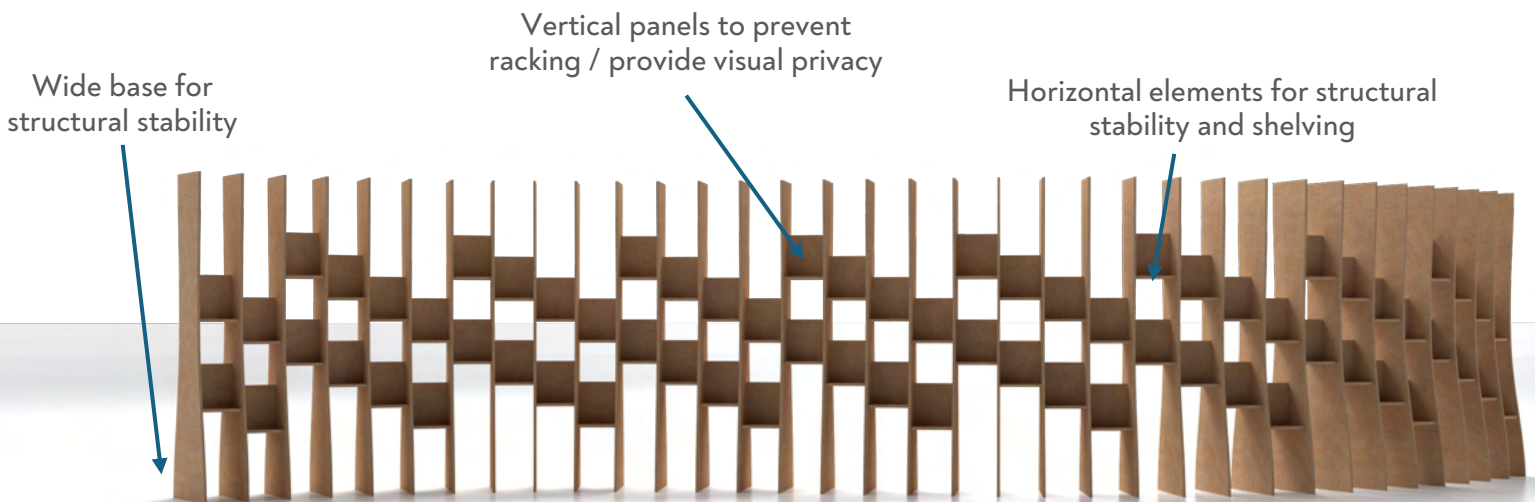
2 vertical panels and shelves are required per gap

Shelves have a 6" depth and panels are 8" tall

Shelves and panels can be painted different colors, upon request



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



Contour Slats – Wall Construction

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

Back panel houses the slats and 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

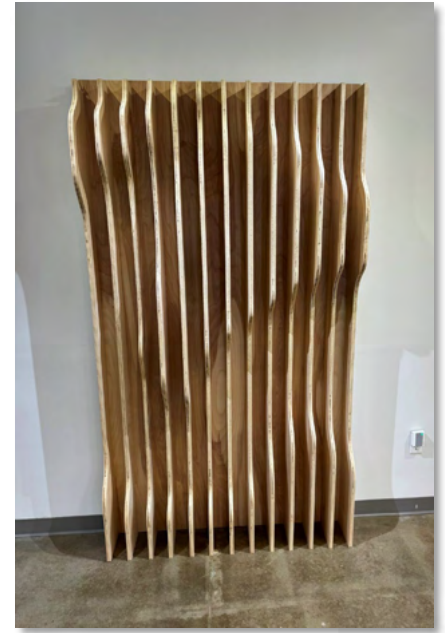
Wall slats are individually numbered and keyed to the corresponding back panel location

Wall systems can be specified with stained plywood or painted MDF

The back panel can be specified with a different color than the slats

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 numbered individually



Auto-generated keyed back panel for ease of installation



Hidden joiner hardware



Contour Slats – Materials

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

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



High-quality Garnica plywood offers durability and great surface finish



Moisture-resistant, high-density MDF



Andalusia Design – Contact Us

Andalusia Design combines parametric design with digital fabrication to deliver the highest quality architectural specialty ceiling, wall and space divider solutions.

Our headquarters are in Austin, TX, where we house best-in-class metal and wood fabrication equipment, along with a large product showroom.

Contact us today to learn more about our company, products and design services.

Website: andalusia.design

Email: hello@andalusia.design

Address: 4401 Friedrich Ln, Ste 200, Austin, TX 78744

