



Parasoleil

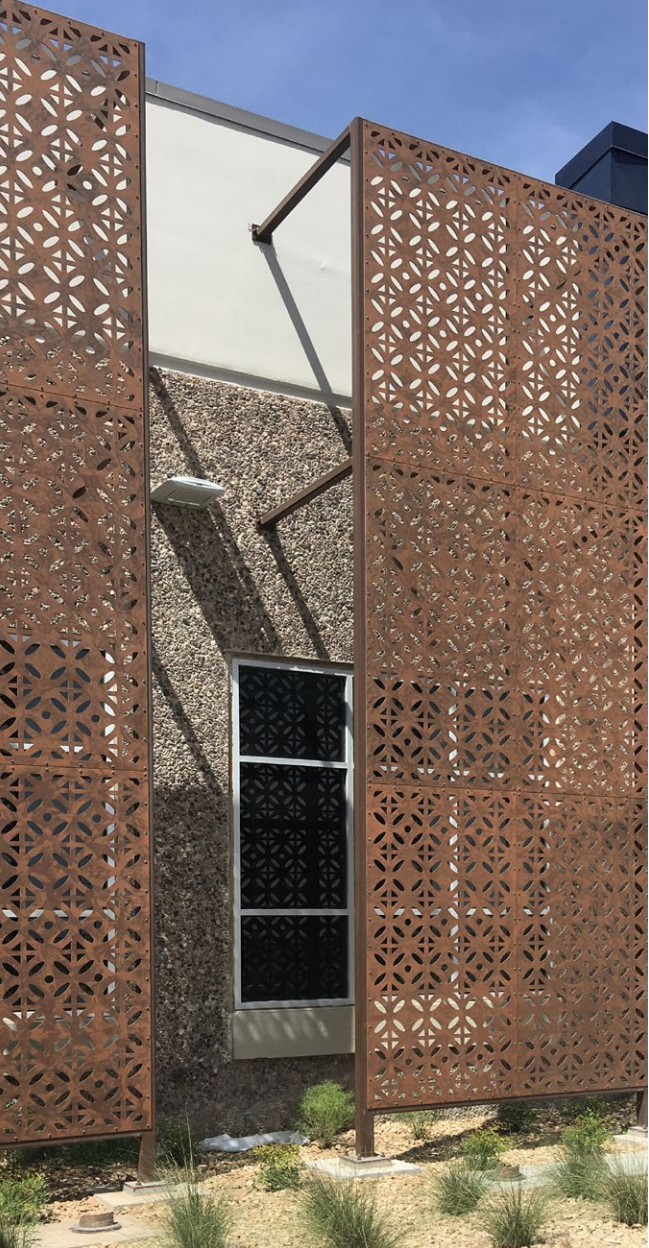
THE PARASOLEIL PROCESS
Easy Reference
Guide

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Parasoleil bridges art and environment to create places where people want to be. Built on the foundation of sculpture, the artistry in our architectural panel systems brings life to a space with the interplay of light and shadow.

Designed to delight, engineered to endure.

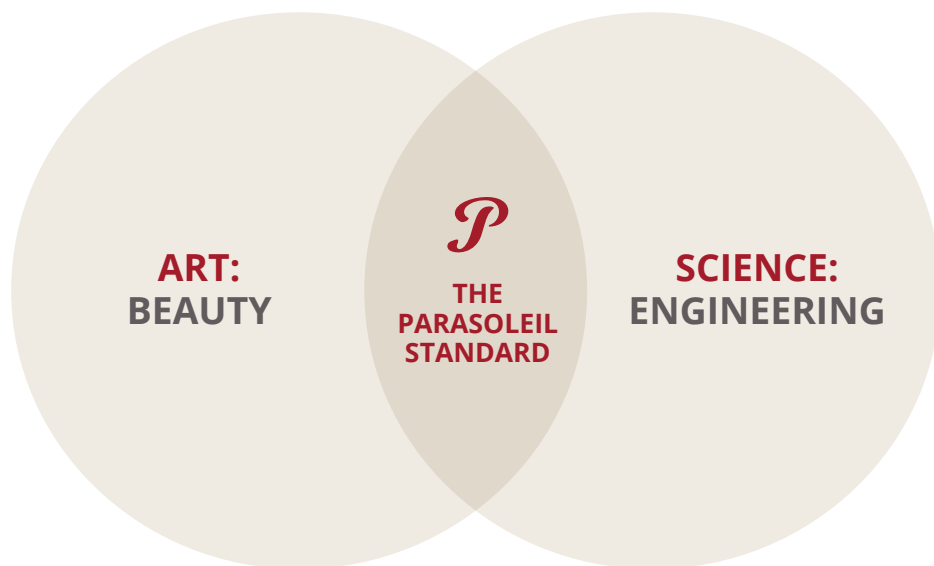


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The Art & Science of Parasoleil

The Parasoleil Standard is where the innovative beauty in pattern and the engineering needed for each client meets. This unique standard elevates your design and sets Parasoleil apart.



The Parasoleil Standard



Artistry

Accreditation with timeless, engineered patterns in a certified product

ART

Timeless patterns with purpose

SCIENCE

Certified engineered patterns



Dependability

Collaborative teamwork for design and structural quality

ART

Creative design assistance

SCIENCE

Skilled structural guidance



Durability

Reliable performance with our proprietary manufacturing process and installation system

ART

Pattern intricacy analysis

SCIENCE

Patented hardware system

The Cortivale Package

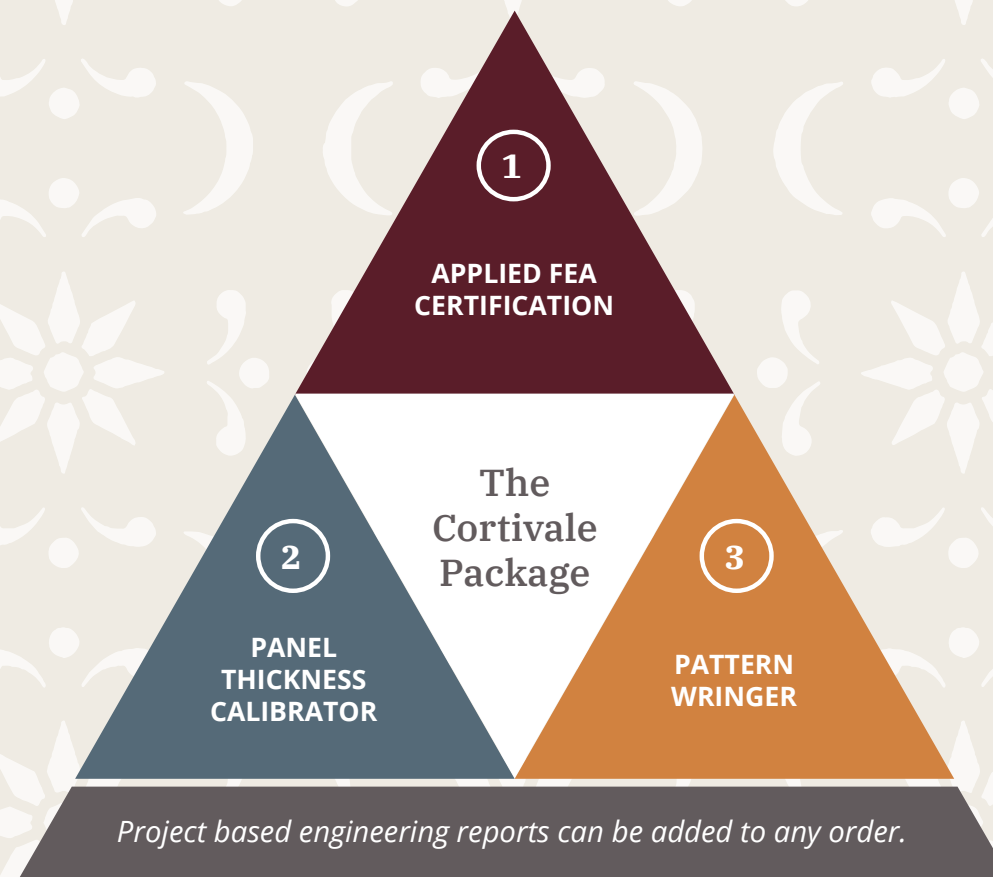
Certified Engineering

Cortivale is a three-part approach to structural integrity for our system of versatile panels, engineered patterns, and patented hardware. This unique engineering is built into every project.

Provide risk management and code compliance for General Contractors with The Cortivale Package.

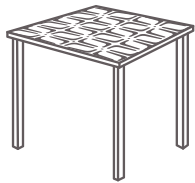
- 1 Applied FEA Certification:** Our panel system is tested and certified by IAPMO for high allowable pressures to guarantee our product meets Finite Element Analysis and specific building requirements better than any substitute.
- 2 Panel Thickness Calibrator:** Upfront analysis for design flexibility and performance ensures project is on budget and passes code.
- 3 Pattern Wringer:** Technical evaluation of pattern ensures no heat warping during the manufacturing process to maintain FEA performance results.

The Cortivale Package engineers patterned panels to guarantee performance and longevity for every project.

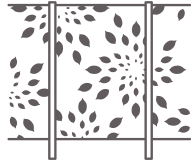


Common Applications for Panel Systems

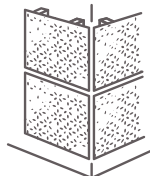
Our panel systems are a cohesive aesthetic with reliable and simple installation—designed, patented, and engineered to fit together perfectly.



SHADE



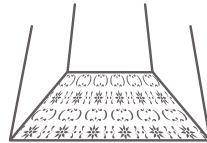
SCREEN



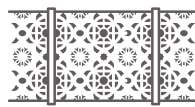
CLADDING



RAILING



CEILING



GUARDRAIL

Parasoleil qualifies as a functional element for public art requirements

Why Parasoleil is the Industry Leader

- Largest range of engineered standard patterns
- Proprietary patina powdercoats for a natural aesthetic
- Design assist from our team of in-house artists, designers, and engineers
- Patterned panels, finishes, and hardware designed as a complete system
- 10-year finish warranty for UV performance and adhesion to base metal
- Wind-load tested and IAPMO certified for architectural use
- Alloys and durable powdercoats used for barriers to galvanic reaction
- Designed, engineered, and manufactured in the USA
- Full product range allows for easy customization and reduced lead times

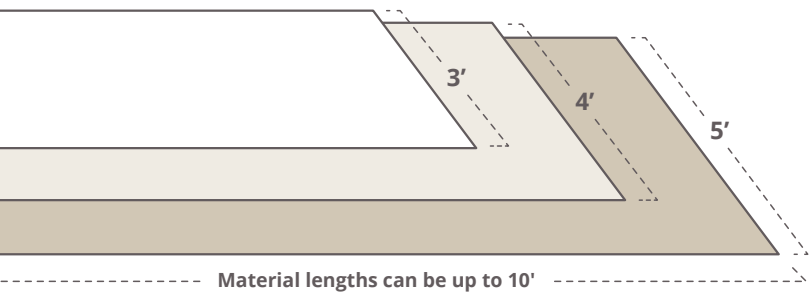


Panel Materials

Our panels are engineered to select thicknesses and sizes. This ensures dependable pricing, material availability, and reliable lead times.

- Material options: aluminum and steel
- Aluminum is typically powdercoated and steel is typically raw
- Thicknesses: 1/4", 3/16", 1/8", 1/16"
- Panels are laser cut with precision
- Panels have 2" border for structural attachment
- Custom materials for select projects

Panels can be any size up to 5'x10', ask for the most effective use of material for each project. See below for efficient material sizes.



Widths and lengths are nominal dimensions and are reduced by 1/16" on all sides to allow for expansion and contraction.



Minimize cost in material waste and structural support by determining preliminary support span and panel thickness.

ALUMINUM PANEL SPECS

THICKNESS	WEIGHT*	SPAN BETWEEN SUPPORTS**
1/8"	1.8 lbs/sf	24-36"
3/16"	2.6 lbs/sf	30-48"
1/4"	3.5 lbs/sf	36-52"

* Subtract pattern open % for final weight.

** General guideline only, please ask Parasoleil for further design assistance.

FINALIZE YOUR DESIGN WITH OUR TEAM

Maximize structural integrity for your project with the Cortivale Package for design assist and value engineering. *This is the Parasoleil difference.*

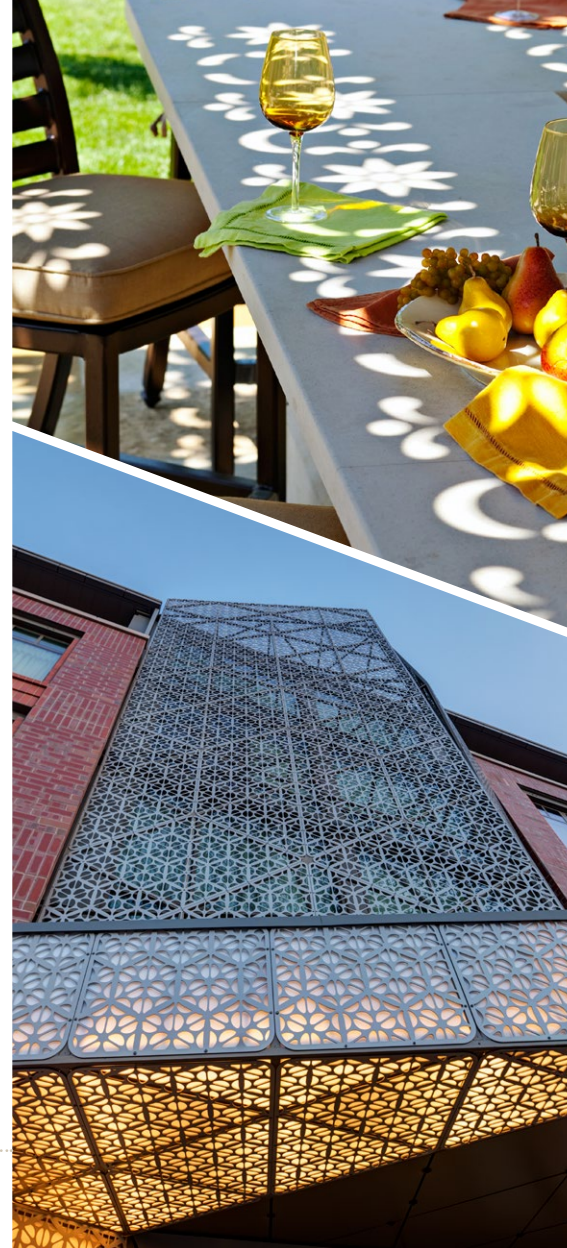
Artistic Patterns

Parasoleil has the largest range of engineered standard patterns to choose from. Pre-engineered panels and structural calculations reduce change orders, allow for easy customization, and ensure structural integrity.

- Online library for standard pattern selection
- Custom pattern options range from tailoring standard library patterns to full custom pattern development
- Open percentage, airflow rating, shade analysis, and temperature control study available on every pattern
- Pre-engineered patterns for ease of permitting and code compliance
- Guaranteed copyright fidelity to protect projects from legal issues
- All patterns in the library are priced the same

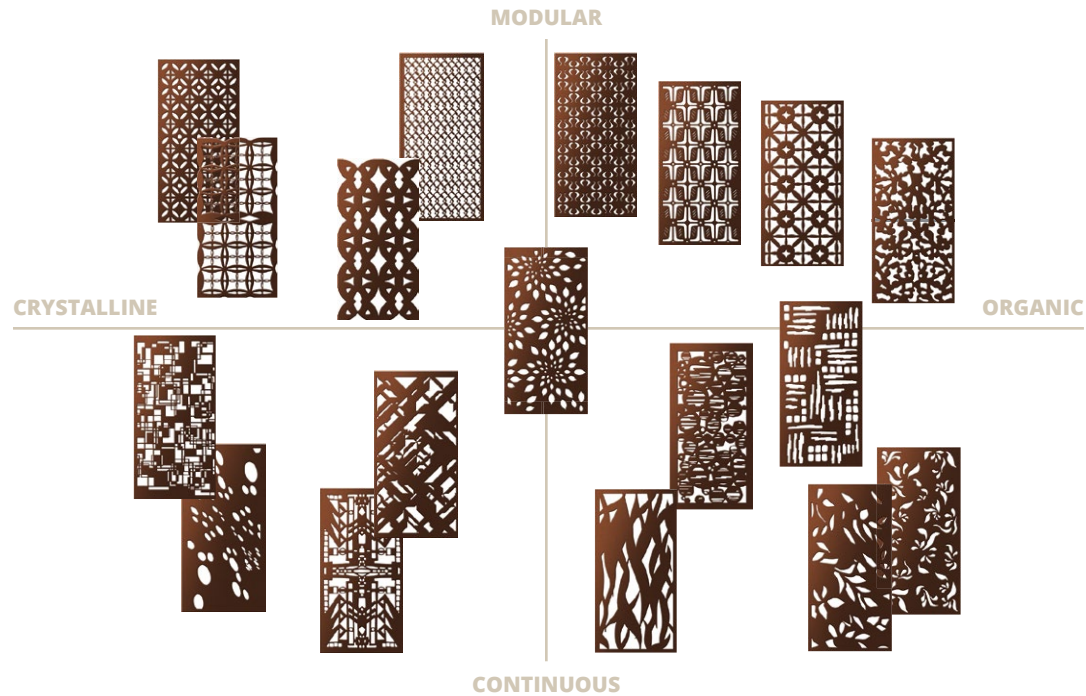
We are the pattern people. Allow our experts to assist you with the best patterns to meet your design intent.

View full pattern library at www.parasoleil.com/patterns



PATTERN MAPPING

Pattern mapping compares the structure and nature of patterns and how they perform in a particular space. The map evaluates a pattern on four key elements: **Crystalline, Modular, Organic, and Continuous**. Fractal patterns share qualities from all four quadrants.



Note: CEU available – *Pattern Mapping for Lasting Design* accredited by AIA, ASLA, and for HSW

MODULAR

CRYSTALLINE, MODULAR

Blends into architectural forms; allows the eye to pass through the pattern.



ORGANIC, MODULAR

Often used to bridge inside spaces and the outdoors; inspired by nature.



FRACTAL

Balanced; best for transitional spaces.

CRYSTALLINE

ORGANIC



CRYSTALLINE, CONTINUOUS

Best for a strong architectural design element.



ORGANIC, CONTINUOUS

Best for privacy or hiding something; brings nature into the focal point.

CONTINUOUS

Proprietary Finishes

Our proprietary patina and standard powdercoat finishes ensure industrial durability. The array of colors and textures are derived from natural patina processes such as rusted weathering steel, blackened industrial steel, raw copper, aged bronze, verdigris copper, and turquoise.

- Online library for standard finish selection
- 10-year finish warranty for UV performance and adhesion to base metal
- Patina powdercoats ensure that each panel is unique, as it would be in nature
- UV stable, no VOCs, and exterior grade
- Custom finish options available
- All finishes in the library are priced the same
- Raw panels available upon request

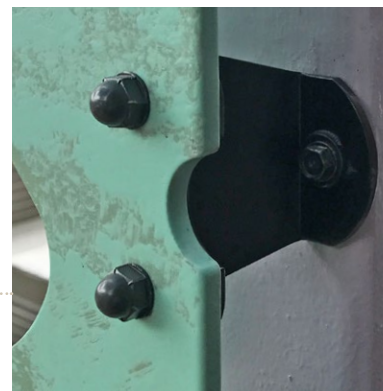
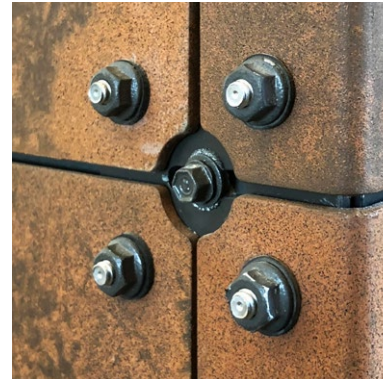
View full finish library at www.parasoleil.com/finishes

Award-Winning Patina Finishes

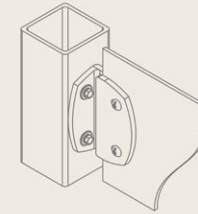
Patented Hardware Installation System

Parasoleil developed universal bracket systems to accommodate the installation method best suited for your design intent and application. We recommend the system that is appropriate for your environment to stand up to wind and snow loads.

- Patented panel hardware installation system guarantees structural integrity
- Hardware system provides for unique aesthetics and designs
- Panels pre-drilled in factory for hardware or direct mount for ease of installation
- UV stable and exterior grade
- Corrosion resistant protected
- Custom accessories available for select projects



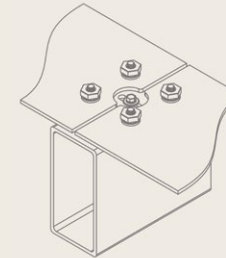
BRACKET SYSTEMS



Inset Mount

Parasoleil Bracket Inset (PBI):
mounts inside of supports

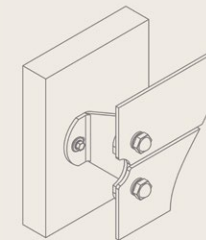
- Tested for wind loads
- Aesthetically pleasing when viewed from the front or the back



Flat Mount

Parasoleil Flat Bracket (PFL):
mounts flush with supports

- Allows for narrow support beams
- Shows clean, even seams



Offset Mount

Parasoleil Stand-Off Bracket (PSO):
mounts offset from supports

- One center fastening point for easy install and maintenance
- Exposed hardware celebrates structural integrity of the art

DIRECT FASTENERS

FASTENER TYPE

INSTALLATION TOOL (INCLUDED)



PDS
low profile, stainless
drill screw for light
gauge metal (tamper
resistant)*



low profile drill
screwdriver



PDW
stainless, star
screw for wood



T-15 Star Bit

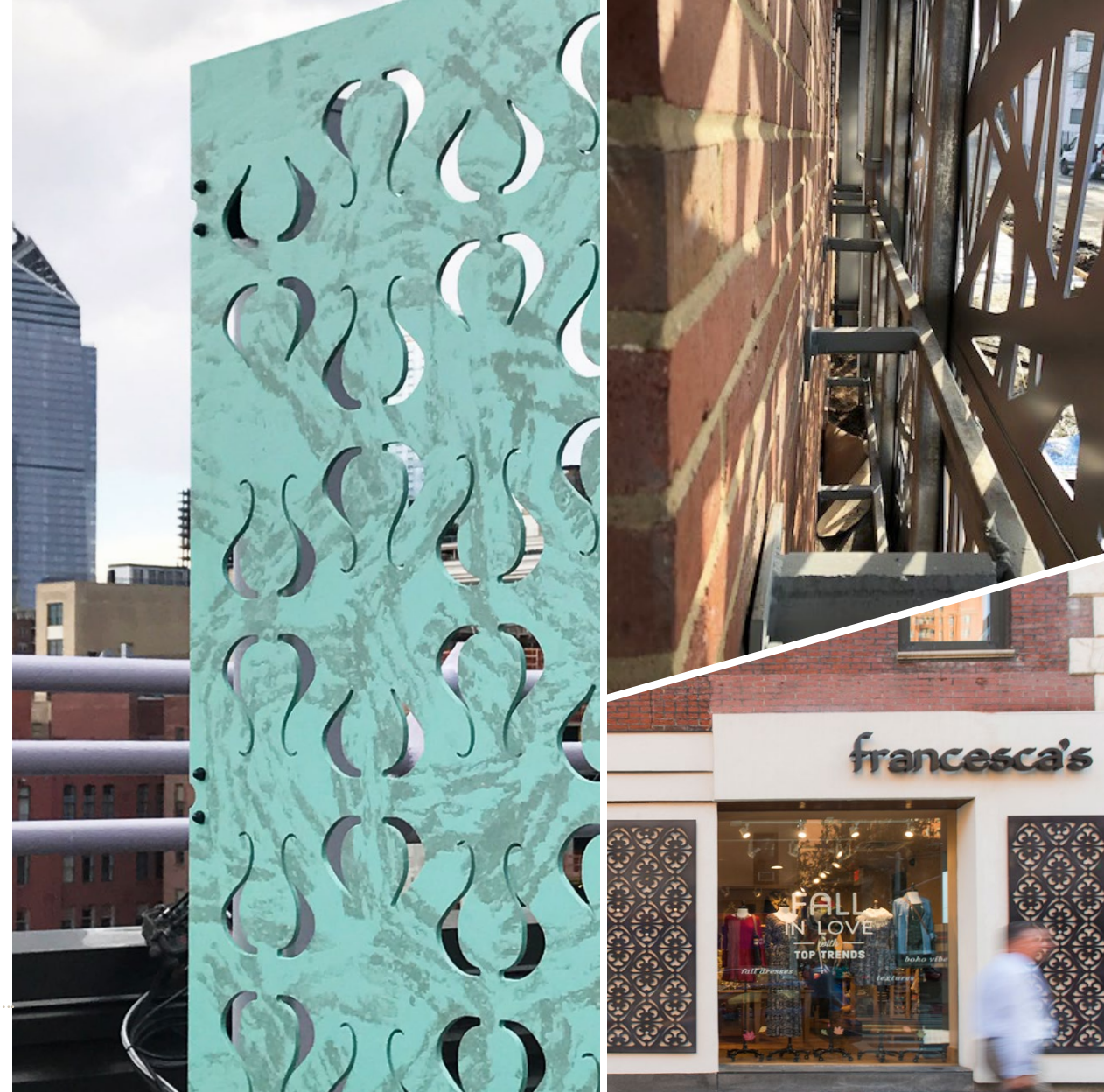


PDH
hex drill screw for
structural steel



5/16" Hex
Socket Bit

*1/8" panel thickness maximum



The Parasoleil Process

PROJECT CONCEPT

Determine the best products for your parameters, budget, and lead times. Choose from Eclipse Collection standard structures, or Library standard patterns and finishes, or custom designs.



Reduce lead times with standard products.



PROJECT SPECIFICATIONS

With Cortivale, Panel Thickness Calibrator clarifies dependable design and verifies code requirements based on application and performance criteria. Download spec and data sheets.



Reduce lead times with pre-engineered products.

VALUE-ENGINEERING

Collaborate with specifier, GC, and owner to coordinate project goals and value engineering options to ensure project lead times and budget.



PURCHASE ORDER

Submit purchase order and deposit to begin project and confirm lead times are on target.



Reduce lead times by ordering Eclipse Collection, skip to payment and production.

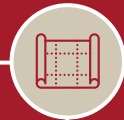


DESIGN AND ENGINEERING

Coordinate meetings with design assist and engineering experts for the best pattern and finish selection to guarantee design and structural integrity. We recommend owner/specifier approval on all custom options.



Reduce lead times with standard patterns, finishes, and hardware.



SHOP DRAWING DEVELOPMENT

Confirm design direction, discuss batching, and verify field measurements. Final shop drawings require client approval for production.



Reduce lead times with quick client feedback.

PRODUCTION

Coordinate production timing based on client requests and any custom fabrication within contract time lines. Manage hand-tooled process and proprietary powdercoating.



QUALITY CONTROL

Conduct rigorous quality control process to ensure each panel meets our high-quality standards.



LABELING AND CRATING

Label product parts, build custom wooden crate(s) for entire panel system, and package to ensure all parts are protected for transport, storage, and staging.



DELIVERY COORDINATION AND SHIPPING

Confirm delivery details prior to shipping Parasoleil products with installation guidelines.



INSTALLATION SUPPORT

Contact Parasoleil as needed with installation questions from the field.



CUSTOMER FOLLOW-UP

Parasoleil cares about your experience. Please provide feedback regarding process flow, warranty, and the impact the final space has for those using it.



Spec-Lock Language

Protect Your Spec

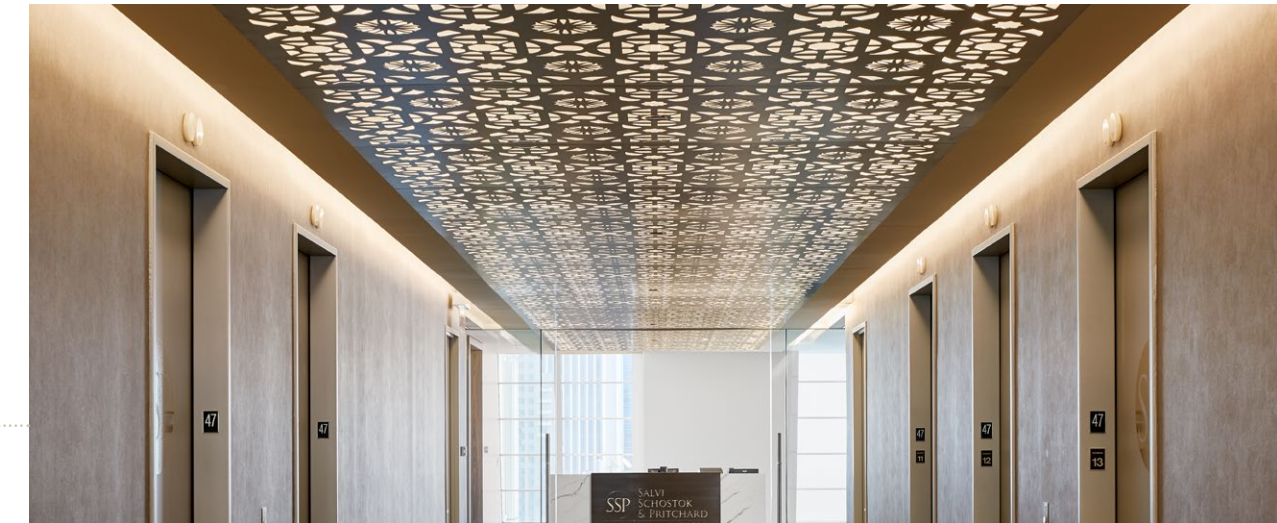
Your design intent and project success is our priority from start to finish. You can use any of the specific language that is appropriate to protect your specification.

NAMED SPECIFICATION:

1. Parasoleil, no substitutions
2. Pattern name© – see library for design preference
3. Finish name™ – see library for design preference
4. Parasoleil Hardware name™ – see library for design preference
5. Patterned panel system engineered with The Cortivale Package:
 - **Applied FEA Certification:** Tested and certified by IAPMO for high allowable pressures to meet specific building requirements.
 - **Panel Thickness Calibrator:** Upfront analysis for design flexibility and performance.
 - **Pattern Wringer:** Technical evaluation of pattern ensures no heat warping during the manufacturing process to maintain FEA.

PERFORMANCE SPECIFICATION

- Parasoleil panel system or equivalent for performance and warranty
- 10-year finish warranty for UV performance and adhesion to base metal
- Supplier to provide stress and deflection calculations on patterned panels to confirm compliance for all applications
- Non-corrosive alloys and durable powdercoats used for barriers against galvanic reaction
- Supplier to provide copyright fidelity to protect against legal infringement





PRESCRIPTIVE SPECIFICATION

- Patterned panels, finishes, and hardware designed and provided by same company as a complete system
- Supplier to ensure finish is a patina powdercoat, and finish on each panel looks unique for project biomimicry requirement
- Hardware system to maintain even 1/8" space between all panels to allow for aluminum expansion and contraction
- Supplier to have minimum of three IAPMO or IBC Product certifications for decorative perforated metal panel applications
- Designed, engineered, and manufactured in the USA

PROCESS SPECIFICATION

- Supplier to provide sample of cut edge quality and finish variations
- All applied powdercoat finishes to come with ASTM D3359-17 test results of minimum "4B"
- Supplier to provide detailed installation instructions for each installation method and attachment used
- All patterns in the library are priced the same
- Supplier to provide pattern open percentage, airflow rating, pattern map report, shade analysis, and/or temperature control study for each pattern and application
- Supplier to provide WELL AP advisor and report for relevant areas of project
- All custom options to be approved by architect/designer/owner prior to production of panels
- GC to contact supplier upon being awarded project to confirm lead-times and custom development process

*Confirm applicable project qualifications with Parasoleil

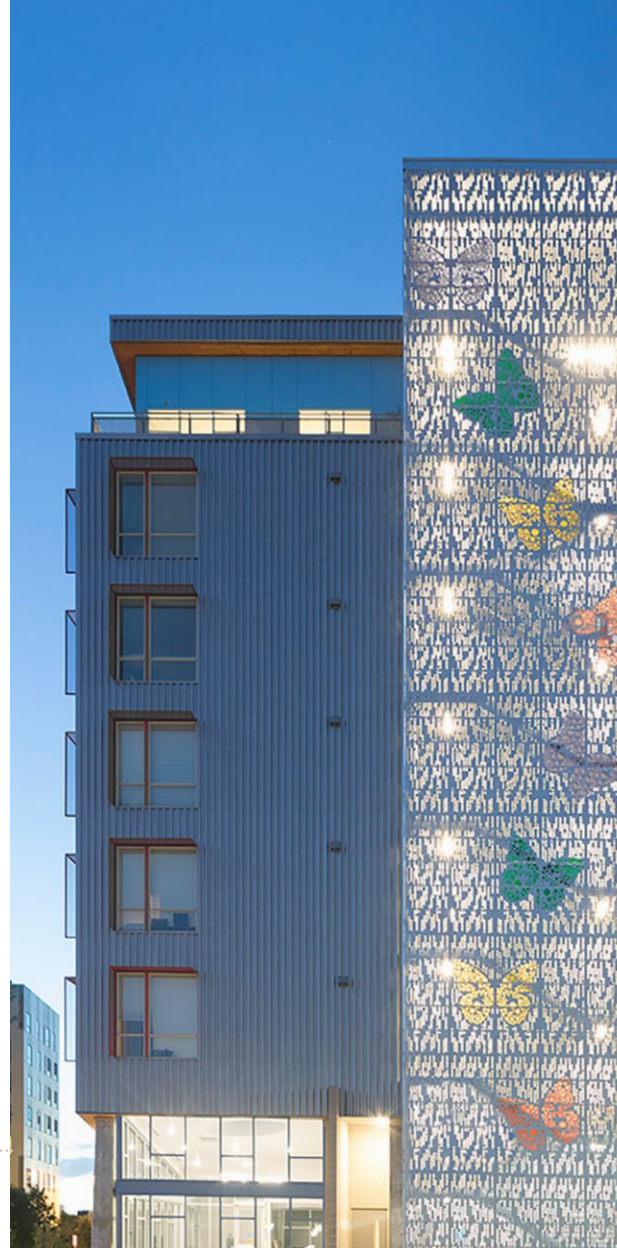
Design for People

Parasoleil bridges art and environment to create places where people want to be, connect, and thrive. Our goal is to humanize the built environment and design for wellness to create spaces with intention and timeless beauty.

Our panel systems integrate biophilic design by drawing upon natural patterns that allure and allow people to feel a connection to nature, whether they are indoors or outdoors. Our team's creativity and innovation give a sense of identity and understanding for every community we touch—creating memorable experiences for all.

Ask Parasoleil for a WELL AP consultant to advise on any project.

Explore continuing education courses and receive 1.0 LU/HSW.
Contact us today!



Experience the Art & Science of Parasoleil

WAYS TO GET IN TOUCH

6510 West 91st Avenue, Suite 100
Westminster, CO 80031

Phone | 303.589.4524

Email | hello@parasoleil.com

Web | parasoleil.com

 /ParasoleilUSA

 /Parasoleil

 /ParasoleilUSA





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