



PATINA FINISHES BY BRANDNER DESIGN

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Patinas result from a reactive process of applying acids to steel and common alloys to create completely original designs, colors and textural finishes. For 15 years, Brandner Design has been leading the architectural trend of using these unique artistic metal finishes in both commercial and residential spaces across the world.



## The Patina Craft

Every metal surface and acid finish has its own method, and with our 15 years of experience creating patina finishes, we have mastered an extensive palette of colors.

Through an artistic use of acids, heat, humidity, time and experienced craftsmanship, the finished product will feature timeless colors, textures and designs and can be applied on steel (and stainless steel), copper, brass, aluminum, bronze and zinc. All our patina'd products are sealed with a hand rubbed wax, acrylic urethane or a clear powder coat and can be used for interior or exterior applications.



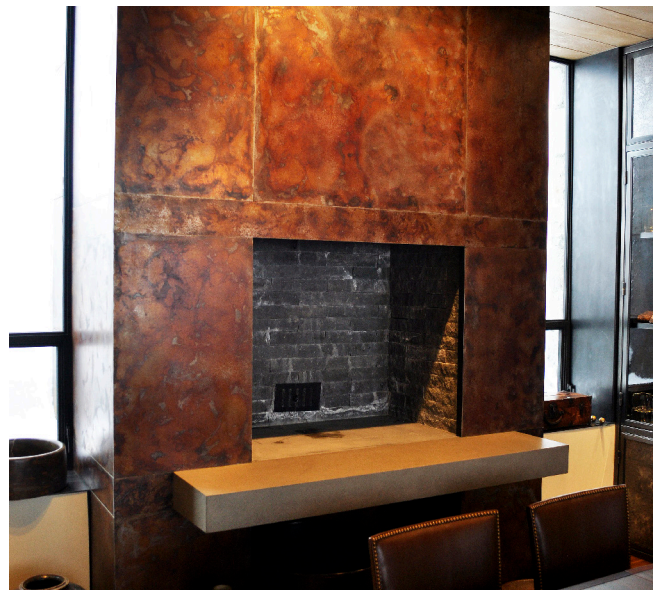
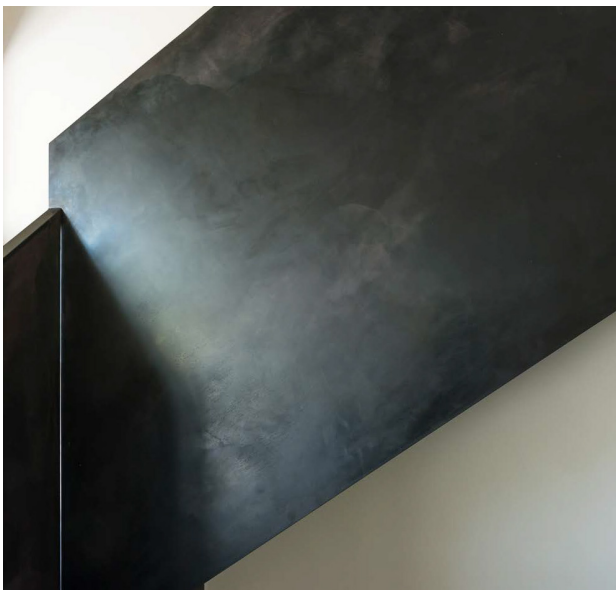
## The Artisans

We're committed to creating timeless and signature architectural works of art in metals, wood, glass, concrete, leather and acrylics. Everything is designed and built in our 33,000 square foot studio in Bozeman MT— a state-of-the-art facility featuring a complete millwork, cabinet shop, metal fabrication, Trumpf fiber laser and CNC brake, finishing department and design studio. Staffed with 35 woodworkers, metal workers, artisans, architectural designers and engineers, we thrive by solving complex problems and continually reinventing what's possible in the design world.



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# Patina Gallery



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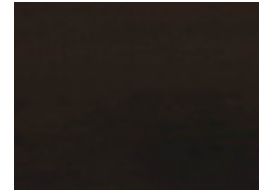
# An Acid of Many Colors



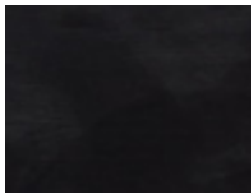
01 Directional  
Black Veil



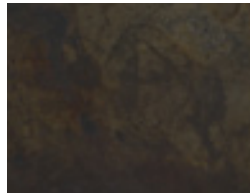
06 Blue Heat



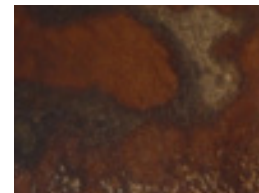
11 Bronze Veil Dark



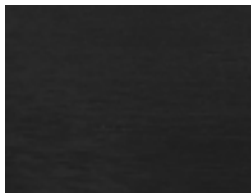
02 Random  
Black Veil



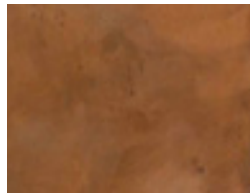
07 Antique  
Brown Black



12 Autumn Veil



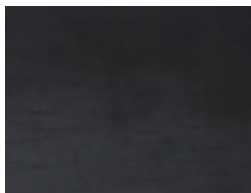
03 Grained  
Black Veil



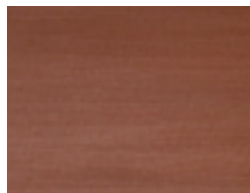
08 Burnt Copper



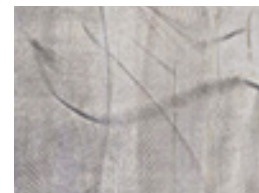
13 Rust Veil



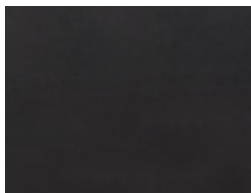
04 Blackened  
Hot Rolled



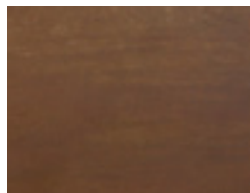
09 Copper Veil



15 Antique  
Pewter Veil



05 Charcoal Steel



10 Bronze Veil Light



16 Pewter Veil

# Our Patina Process

DESIGN > PRODUCTION > SHIPPING & INSTALLATION

## DESIGN

Our staff of drafts people and designers will help with layout, choice of material, finish and engineering of installation. We will meet the needs of whatever our clients want to create and offer advice if there are unknowns.



## PRODUCTION

Parts are custom laser cut per order and formed by True Cut Laser, a division of Brandner Design. Panels can be prepped with countersunk holes for face screws or glued to a substrate to receive a z-clip hanger for a hidden fastener.

## SHIPPING & INSTALLATION

We ship nationally and internationally. We can install a project anywhere, but we also provide consultation with installers to ensure a successful end result.





## Steel, Five Different Ways

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### HOT ROLLED STEEL

**Hot Rolled Steel** is distinguished by its inherent blue mill scale. This mill scale is what makes Hot Rolled Steel unique and gives it its “Industrial” look. We add an acid patina to our Hot Rolled to enhance these qualities.



### COLD ROLLED STEEL

**Cold Rolled Steel** does not have Blue Mill Scale. This is a clean steel that allows us to use a variety of acid patinas to create an array of colors and patterns.



### STAINLESS STEEL

**Stainless Steel** has low carbon content and is extremely rust resistant. This steel can be patina'd different shades of light to dark charcoal color.



### GALVANIZED STEEL

**Galvanized Steel** is steel coated with Zinc. The Zinc coating can be patina'd with several acids to create beautiful charcoal and bronze colors.



### ZINC SHEETING

**Zinc Sheeting** is rust and corrosion resistant and comes in a light grey color. This material can be patina'd a light to dark charcoal color.

## Steel, Available Thicknesses

### Available Thicknesses:

All of these steel types are available in various sizes: (add decimal sizes next to each of these)

**18 gauge**

**16 gauge or 1/16" thick**

**10 gauge or 1/8" thick**

**12 gauge or**

**3/16" thick**

**1/4" thick**

**3/8" thick**



### Panel size and shape:

True Cut Laser can laser cut any size or shape steel panel from any thickness of steel. Our CNC Laser cuts with a high level of precision from CAD based drawings that we produce from dimensions provided by our clients.



## Fastening Systems and Methods

### Fastening systems and methods

Our panels can be fastened by three different methods: **Exposed fasteners**, **Z-Clips** or **Hidden Fasteners** and **Adhesive fastening**.



### Exposed Fasteners

**Exposed Fasteners** in the form of either a Pan Head Screw or a Counter Sunk Screw.

**Pan head screws** are typically a round head screw that lies on top of the panel.

**Counter Sunk Screws** are a flush head screw counter sunk into the panel. Panels to receive counter sunk screws can be produced with pre-countersunk holes.



## Fastening Systems and Methods

### Z-Clips or Hidden Fasteners

**Z-Clips** are small cleats that are fastened to the back of the steel panel and subsequently are clipped to a corresponding cleat on the wall.

Z-Clips can be welded to the back of the panels or screwed to a wood substrate that is pre-glued to the back of the panel. Z-Clips are often used when fasteners do not want to be visible.



## Fastening Systems and Methods, Cont.

### Floating Panel

If the design requires a “Floating Panel” they are typically pre-fastened to a substrate such as ½” plywood and when the panels are hung a space is set between them giving the effect they are floating, as seen on the right.



### Tight Panel

Panels can also be set tight together using Z-Clips such as on this fireplace to the left.

### Adhesive Fastening

Brandner Design can provide a very effective adhesive for gluing steel panels or tiles to a wood, concrete or plaster substrate. Typically adhesive applications work best with 16g or 12g steel.

The thinner gauge steels tend to work best with gluing. One of the most important concerns when gluing is to prep of the substrate. Making sure the substrate is as flat and true as possible. The better the substrate prep the better the final fitting of the glued panels.



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## Contact Brandner Design

Our 33,000 square foot facility in Bozeman, Montana is our main office and fabrication shop. We also maintain our original studio located 45 miles west of NYC in Califon, New Jersey.

Please call or email us with any questions.

[Sales@BrandnerDesign.com](mailto:Sales@BrandnerDesign.com)

406.582.0711