

WAGNER RAIL SYSTEM

GLASS RAILING

CABLE RAILING

SPIRAL STAIRS BALCONIES

ALUMINUM RAILINGS

BRASS / SS FITTINGS

SPIRAL STAIRS FROM WAGNER

Custom-built **Spiral Stairs** arrive complete and ready to install in just a couple of hours.

Wagner Spiral Stairs are not kits.

Our **Spiral Stairs** are built to your specifications for your particular installation. The framework for our spiral stairs is structurally engineered to provide maximum strength and stability for a lifetime. We provide installation instructions in both printed and digital formats so that **even first-time installers are able to completely install one of our stairs in about two hours.**

Mix and match using **Wagner's** wide selection of metal and wood tread covers, platform covers, handrails, and center column finials. Swap balusters shown for any of our other balusters and panels – within tread width limitations.

Whether your stair is a simple one-level from a deck to the ground, or a pair of 50 foot tall *his and her* lighted spirals in an opera house, **Wagner** is your source for custom-engineered, custom-built **Spiral Stairs.**

Wagner Spiral Stairs are available in established designs as well as designs of your imagination. Work with our talented staff to design the stair of your dreams within the price point of your budget.



Terry • Sales

The **Old Faithful** and **Monterey Bay** designs shown below are our most popular selections. Other options are shown on the following pages or online at www.wagnercompanies.com/Spiral_Staircases.aspx.



OLD FAITHFUL **Model CID100**
 The Old Faithful was the first **Spiral Stair** built for this product line. Aesthetic, structural and installation design improvements have been made to it since it's inception, but we are pleased to continue to offer this affordable and simple design. No frills, straightforward, always popular - steel profile handrail with steel main and mid balusters.

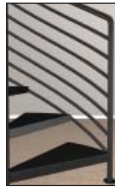
Shown with standard steel handrail and carpet grade treads. Carpet is to be supplied by others.



MONTEREY BAY **Model CID224N**
 Envision the serenity of a moonlit stroll along a warm pacific bay. There are treasures to be found at the water's edge. The round handrail of the Monterey Bay is supported by round main and mid balusters. Baluster and handrail options include a mix of polished brass, brushed stainless and painted steel.

Shown with round painted steel tube handrail and balusters, carpeted treads (by others) and dark pewter paint finish.

You can create your own stair model by substituting other balusters or panels for those shown.



GREENWICH JAZZ

The Greenwich Jazz stair retains the artistic horizontal sweep of the Soho, differing in the bottom detail. Ending on a staccato beat, the horizontal finishes directly into a vertical end post. Round horizontal tubes join to the vertical end post at the finish. Matching balcony railing is available. Balcony railing surrounds the stairwell opening or encloses the balcony area.

Shown with round painted steel tube handrail and panels, painted smooth pan treads and dark pewter paint finish.

Model CID154



SAUSALITO

Let your discovery of this splendid playground welcome you home. Sturdy wire mesh panels attached to round steel end posts and handrail seem to echo with the sound of children at play.

Shown with round painted steel tube handrail and panels, smooth treads, wire mesh panels and brick paint finish.

Model CID450



WILDWOOD

By blending contrasting materials we create a vibrant composition. The red oak handrail of the Wildwood is tamed – completely formed and pre-fit – to the shape of the metal **Spiral Stairs**. Round painted steel main and mid balusters support the handrail, which is usually shipped in two to four pieces. Other wood profiles are available. Please inquire.

Shown with red oak handrail and treads, and white paint finish.

Model CID105



COPPER MOUNTAIN

Rustic and sophisticated combination of steel and copper. Rugged hammered and chiseled balusters are the perfect complement to the diamond-shaped copper baskets and embossed copper handrail. Embossed handrails are also available in different patterns.

Shown with embossed copper handrail with fishtail scroll, red oak treads and dark pewter paint finish.

Model CID366

Wood tread and platform covers are available in ten different species. Please inquire.

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LEVEL I POWDER COAT FINISH (Included in base price.)
Spiral Stairs are supplied in a black non-textured powder coat finish with a flat or satin sheen. Other finishes shown here are available upon request at an additional charge. Contact **Wagner** for pricing.

LEVEL II POWDER COAT FINISH OPTIONS

Black

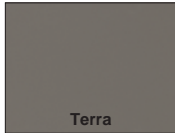
- Wrinkle texture in rich black
- Smooth, glossy black

White

- Smooth, bright glossy white or soft satin white.

Earthtone

- Non-textured warm earthtones of Terra (glossy) and Sand (satin).



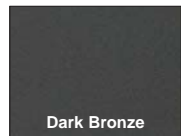
Terra



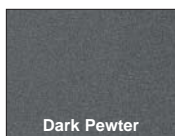
Sand

Glimmer

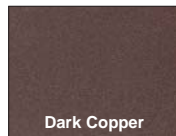
- Smooth, deep tones with a rich, metallic glimmer.



Dark Bronze



Dark Pewter



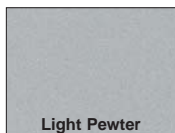
Dark Copper

Softglow

- Smooth, soft hues for a serene, metallic luster.



Light Bronze



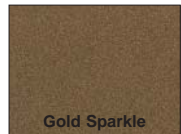
Light Pewter



Light Copper

Sparkle

- Smooth, multi-pigmented metallics with sparkle.



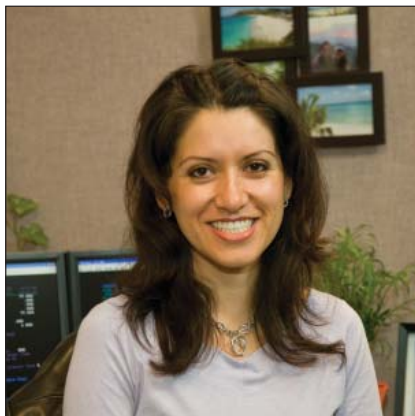
Gold Sparkle



Silver Sparkle



Copper Sparkle



Nelly • Production Control

LEVEL III FINISH POWDER COAT OPTIONS

Artifact

- A powder-coat alternative to weathered wash finishes done with liquid paints. Both Dark Rust and Dark Verdigris have a slight texture.



Dark Rust



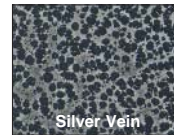
Dark Verdigris

Veins

- Vein textures in classic metallic hues of Bronze, Copper and Silver. All of our vein coatings have a low-gloss clear topcoat added.



Bronze Vein



Silver Vein



Copper Vein

FINISHES *These color samples are provided here as a guide. Do not use these samples as a source for accurate specification. Please request a metal finish sample before making your final selection or before placing your order.*



Photo courtesy of Patrick Hutchinson



Spiral stair photos courtesy of Homeowner Fred Burnett.

WAGNER RAIL SYSTEM

GLASS RAILING

CABLE RAILING

SPIRAL STAIRS BALCONIES



Tracey • Technical Services

ALUMINUM RAILINGS

BRASS / SS FITTINGS

The Silo
Allegan, Michigan

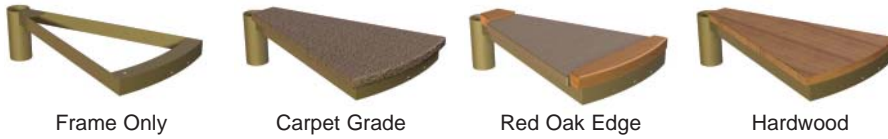
This **Cable Railing** and **Spiral Stair** was designed, engineered and fabricated by H & K Construction.

Photo courtesy of Vickie Heckman.

For more information on **Cable Railing**, see pages 48-61.

TREAD OPTIONS

WAGNER RAIL SYSTEM



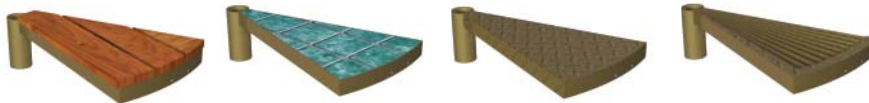
Frame Only

Carpet Grade

Red Oak Edge

Hardwood

GLASS RAILING



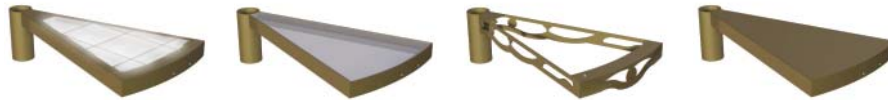
Cedar Deck

Pan (fill not included)

Checkerplate

Radial Grate

CABLE RAILING



Glass Block

Laminated Glass

Laser

Smooth

RISER OPTIONS

SPIRAL STAIRS BALCONIES



Econo Riser

Oak Riser

Scroll Riser

Solid Riser

ALUMINUM RAILINGS

FINIAL OPTIONS



Painted Cap

Hardwood Cap

Basket Finial

Painted Finial

Brass Finial

Chrome Finial

BRASS / SS FITTINGS

CLOSURE OPTIONS



Hardwood

Smooth

Glass Block

ALTERNATIVE WOOD PROFILES



CI6010

CI6210

CI6600

CI6900

CIR10515

CIR10503

CIR10505

OPTIONS

All parts necessary for a complete stair and matching platform rail are included in the price of a **Wagner Spiral Stair**. **Wagner Spiral Stair** models include: carpet grade tread covers, carpet grade platform covers and painted center column cap. For an additional cost, other materials are available.

TREAD OPTIONS

Carpet grade tread and platform covers are included in the price of each **Wagner Spiral Stair**. Otherwise, select from the styles of tread and platform cover options shown at left. Several different wood species are available for tread and platform covers.

- | | |
|-------------------------|-------------------|
| <i>Red Oak</i> | <i>Hard Maple</i> |
| <i>Hickory</i> | <i>White Oak</i> |
| <i>Beech</i> | <i>Cherry</i> |
| <i>Brazilian Cherry</i> | <i>Walnut</i> |
| <i>Quarter Sawn</i> | <i>White Oak</i> |

Please inquire about other species of wood not listed here. **All wood products are supplied unfinished – natural.**

RISER OPTIONS

Risers are attached between the treads of a **Spiral Stair** to provide a pass-through barrier between the treads. We offer the four riser options shown left: Econo, Oak, Scroll and Solid.

FINIAL OPTIONS

A painted center column cap is included in the price of each **Wagner** spiral stair. You can add an optional finial to top the center column at the platform rail. Additional options are: Hardwood Cap, Basket, Painted, Brass and Chrome.

CLOSURE OPTIONS

Optional tread bottom closures provide a clean look to the underside of a spiral stair. Options include: Hardwood, Smooth and Glass Block.

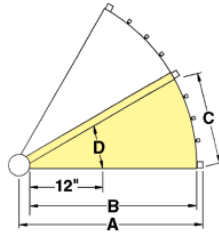
ALTERNATIVE WOOD PROFILES

Wood handrails for the Wildwood spiral stair are available in four industry standard profiles plus three additional rectangular profiles. All but the rectangular handrail profile are available in the same species listed above for wood tread and platform covers – with the exception of quarter sawn white oak. All wood products are supplied unfinished – natural.

SPIRAL STAIRWAY GUIDE

1. DIAMETER

Common sizes of **Spiral Stairways** range from 3½' to 6' diameter. A 5' diameter **Spiral Stair** meets requirements of many building codes. Custom Diameters are available upon request. The finished opening should be 4" larger than the stair diameter to assure proper handrail clearance.



Tread Dimensions

Dimensions C and D are from the nosing of one tread to the nosing of the next tread.

	Diameter of Your Stair					
	3½'	4'	4½'	5'	5½'	6'
A (radius)	21"	24"	27"	30"	33"	36"
B	18"	21"	24"	27"	30"	33"
C @ 30°	10¼"	11¾"	13¼"	15"	16½"	18"
D @ 30°	7½"	7½"	7½"	7½"	7½"	7½"
C @ 27°	9¼"	10¾"	12"	13½"	14¾"	16¼"
D @ 27°	6⅝"	6⅝"	6⅝"	6⅝"	6⅝"	6⅝"

2. HEIGHT

Measure the vertical distance from finished floor to finished floor. The stair is not adjustable. Tread quantity is determined by finished floor to floor height divided by 9.50.

- From 88" to 95" 9 treads
- From 95" to 104½" 10 treads
- From 104½" to 114" 11 treads
- From 114" to 123½" 12 treads
- From 123½" to 133" 13 treads
- From 133" to 142½" 14 treads
- From 142½" to 144" 15 treads

Stairs are available to any height. Multiple story spirals are available. Please inquire.

3. PLATFORM STYLE

- A. No Platform** 90° corner by others. Shown with 27° treads – see *Degree of Rotation* at right. Please determine the upper floor system thickness and then check with us.
- B.** Designed for use in a stairwell. The stairwell is assumed square unless specified round or otherwise. **B** platforms connect at two sides to the opening. If the finished opening is not 4" larger than the stairway, please provide dimensions.
- C.** Designed for attaching to a balcony and has railings on two sides.
- D.** Designed for attaching to a balcony and has an *L* shaped railing on two sides.

Custom platforms are often required when access is limited. Please contact **Wagner**.

Degree of Rotation

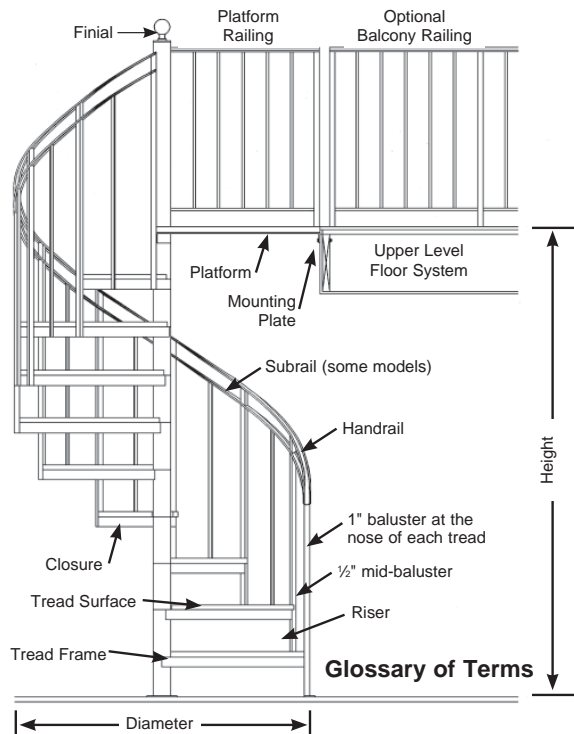
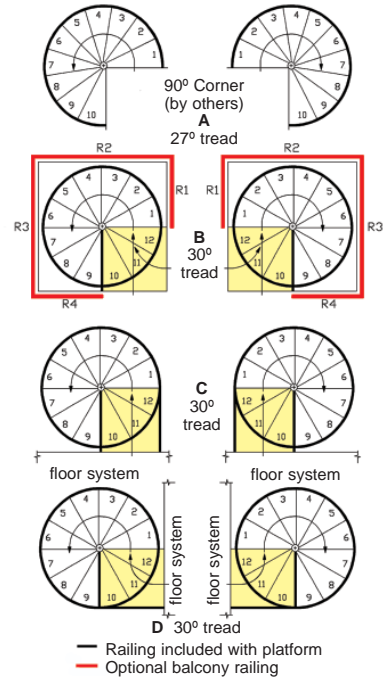
30° Many building codes require 30° treads. **Spiral stairs** with platform B,C or D are supplied with 30° treads unless specified otherwise.

27° Stairs with no platform are supplied with 27° treads to increase headroom under your 90° corner – unless otherwise specified.

Custom tread rotation is also available.

4. DIRECTION OF ROTATION

Down to the **left** counter-clockwise Down to the **right** clockwise



Glossary of Terms

WAGNER RAIL SYSTEM

GLASS RAILING

CABLE RAILING

SPIRAL STAIRS BALCONIES

ALUMINUM RAILINGS

BRASS / SS FITTINGS

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ALUMINUM RAILINGS

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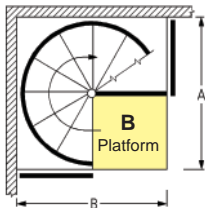
BALCONY RAILINGS

Balcony railings can NOT be cut to length on site. Balcony railings are very sturdy because they are built to job specifications. All posts are welded to the railing.

Let us determine the railing lengths. Supply a sketch of the finished opening with your order, including drywall or other finish material. The examples in this section illustrate the type of information required for railings to be built accurately.

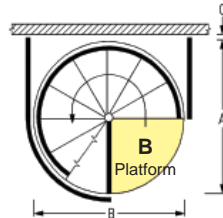
Safety balcony railings are designed 36" tall with spaces less than 4" – unless otherwise specified. This complies with most residential building code requirements.

Your balcony railings will fit well and install easily.



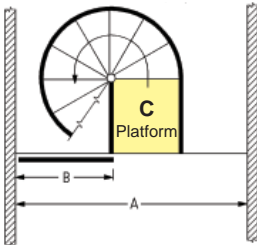
Square Opening

A & B are finished opening dimensions – down to the right.



Round Opening

A & B are finished opening dimensions. C is the distance from the finished opening to the finished wall – down to the left.



Balcony or Loft Railing

A & B are finished balcony dimensions – down to the left.



TECHNICAL SPECIFICATIONS

CONSTRUCTION

KD Unless otherwise noted, all *Spiral Stairs* are shipped **Knocked-Down**. A **KD stair is not a kit**. Enjoy the confidence of knowing your stair is completely assembled during fabrication. This minimizes field assembly time and assures a quality product.

SU A stair that's shipped **Set-Up** has all welded connections. It cannot be *knocked-down*.

MATERIAL

A variety of materials can be used for the basic stair center column and tread frames:

- **Steel** – assumed unless specified otherwise
- **Galvanized Steel** – actually zinc-plated steel
- **Aluminum** – will usually have tapered tread legs
- **Stainless Steel** – brushed finish

EXTERIOR STAIRS

Aluminum or galvanized steel are recommended for exterior applications to prevent corrosion. An SU steel stair is also an option, but packing and freight costs can be substantial. **A KD steel stair is intended for interior use only.**

TREAD AND PLATFORM SURFACES

All thicknesses listed below are actual.

- **Frame Only:** A pattern is supplied. The stair will be built for your 3/4" particle board with carpet.
- **Carpet Grade:** 3/4" high-density particle board on the treads and 3/4" CDXU plywood on the platform.
- **Red Oak Edge:** 1 3/4" Red Oak and 3/4" particle board.
- **Hardwood:** A 1" tread is available for all sizes.
- **Cedar Deck:** 1" x 5 1/4" decking.
- **Pan:** Build for your application. Our standard pan is made of 12 gauge steel and is 1 1/4" deep.
- **Smooth or Checkerplate:** 12 gauge steel is standard.
- **Radial Grate:** The maximum space is less than 1".
- **Glass Block:** 1" thick block set in a special pan.
- **Laminated Glass:** 1" thick laminated glass set into a special pan.

RISERS

Closed risers are required to meet some building code requirements. Our optional closed risers will pass the 4" sphere test.

CLOSURES

Available to conceal the bottom of the tread frame. Depending on the tread surface chosen, flathead screws may be visible. They may be puttied, sanded smooth and then painted over during installation.

Complete this form and let us design and quote your *Spiral Stair*.

Fax to 414-214-8321

Model Name/Number: _____

Diameter (4" smaller than finished opening) _____

Height (Finished floor to floor) _____

Building Code (if known) _____

Design Choice:

Circle your choices below. Standard is noted in **Red** while options are noted in *Gray*.

Construction: **KD** (*disassembled*) • **SU** (*Set Up*)

Material: **Steel** • *Galvanized Steel* • *Aluminum* • *Stainless Steel*

Center Column Finial: **Painted Cap** • *Hardwood Cap* • *Basket Finial* • *Painted Finial* • *Brass Finial* • *Chrome Finial*

Tread Surface: **Carpet Grade** • *Frame Only* • *Red Oak Edge* • *Hardwood* • *Cedar Deck* • *Pan* • *Checkerplate* • *Radial Grate* • *Glass Block* • *Laminated Glass* • *Laser* • *Smooth*

Platform Surface: **Carpet Grade** • *Frame Only* • *Red Oak Edge* • *Hardwood* • *Cedar Deck* • *Pan* • *Checkerplate* • *Radial Grate* • *Glass Block* • *Laminated Glass* • *Laser* • *Smooth*

Closures: **None** • *Hardwood* • *Smooth* • *Glass Block*

Risers: **None** • *Econo* • *Oak* • *Scroll* • *Solid*

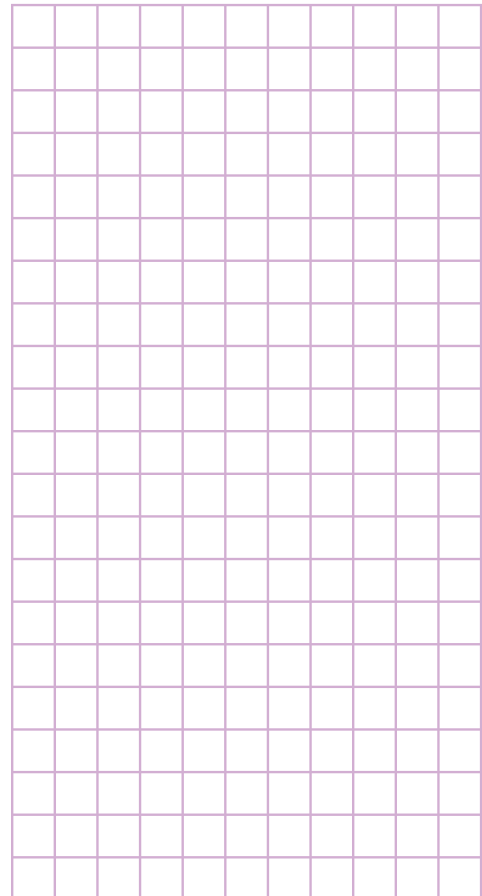
Color: **Classic Color Series** • *Medallion Series* • *Artifact Series*

Platform Style **A** • **B** • **C** • **D**

Rotation *Counter Clockwise* • *Clockwise*

Other Specifications:

Provide a sketch to aid in our quote:



Name: _____

Company: _____ **Fax Number:** _____

Street: _____ **Phone:** _____

City: _____ **State:** _____ **Zip Code:** _____

E-mail Address: _____

WAGNER RAIL SYSTEM

GLASS RAILING

CABLE RAILING

SPIRAL STAIRS BALCONIES

ALUMINUM RAILINGS

BRASS / SS FITTINGS

- Produced in **Light-Weight, Architectural Grade Aluminum with a Powder Coat Finish** to provide many years of maintenance-free enjoyment.
- Sized to fit standard 4', 5' or 6' French doors.
- Available as a **True Balcony** or a **False Balcony**.
 - **True Balconies** have a 15½" deck projection with support braces. It is suitable for *walk-out* applications.
 - **False Balconies** have a 4¼" or 6½" deck projection and no support braces.
- Shipped pre-assembled for mounting directly to the face of your structure. Fasteners will depend on your substrate and are not supplied by **Wagner**.
- Standard dimensions are approximately **80" Deck Width** with a **Height of 37"** above the deck to the top of the railing. Check local codes to determine height requirements.



WAGNERAIL SYSTEM

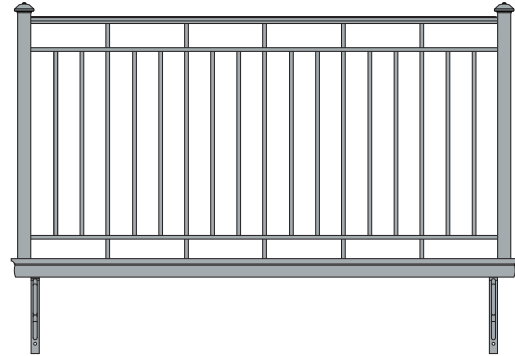
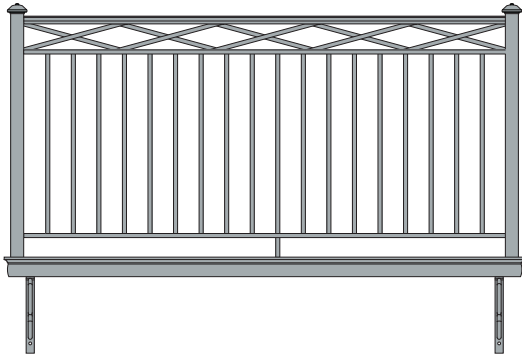
GLASS RAILING

CABLE RAILING

SPIRAL STAIRS BALCONIES

ALUMINUM RAILINGS

BRASS / SS FITTINGS

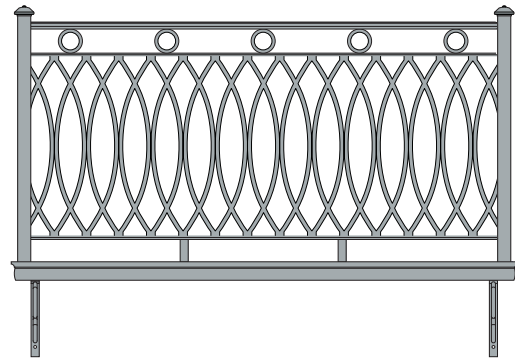
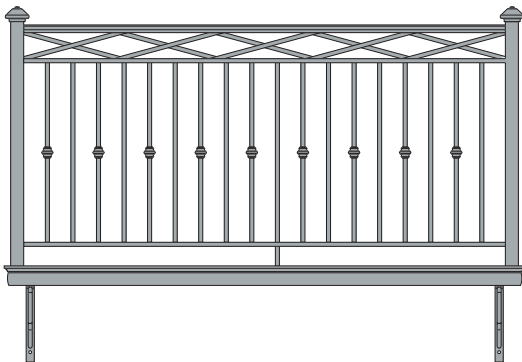


CAPULET

Color	True Balcony Depth 15½"	False Balcony 6½" Depth
Dark Roast	PFB004T3DR	PFB004F3DR
Flat Black Texture	PFB004T3FB	PFB004F3FB
Gloss Black	PFB004T3GB	PFB004F3GB
Mineral Bronze	PFB004T3MB	PFB004F3MB
Gloss White	PFB004T3GW	PFB004F3GW

BALTHAZAR

Color	True Balcony Depth 15½"	False Balcony 6½" Depth
Dark Roast	PFB002T3DR	PFB002F3DR
Flat Black Texture	PFB002T3FB	PFB002F3FB
Gloss Black	PFB002T3GB	PFB002F3GB
Mineral Bronze	PFB002T3MB	PFB002F3MB
Gloss White	PFB002T3GW	PFB002F3GW



MONTAGUE

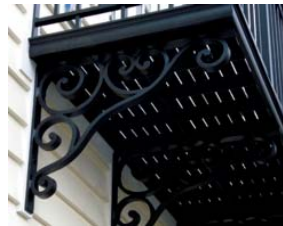
Color	True Balcony Depth 15½"	False Balcony 6½" Depth
Dark Roast	PFB008T3DR	PFB008F3DR
Flat Black Texture	PFB008T3FB	PFB008F3FB
Gloss Black	PFB008T3GB	PFB008F3GB
Mineral Bronze	PFB008T3MB	PFB008F3MB
Gloss White	PFB008T3GW	PFB008F3GW

MERCUTIO

Color	True Balcony Depth 15½"	False Balcony 6½" Depth
Dark Roast	PFB219T3DR	PFB219F3DR
Flat Black Texture	PFB219T3FB	PFB219F3FB
Gloss Black	PFB219T3GB	PFB219F3GB
Mineral Bronze	PFB219T3MB	PFB219F3MB
Gloss White	PFB219T3GW	PFB219F3GW

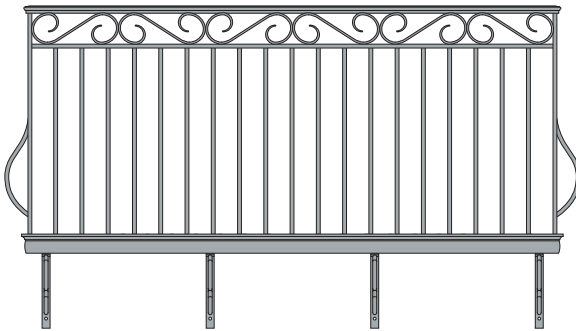
STANDARD COLORS

Colors are shown for comparison only. Contact **Wagner** for actual color samples.



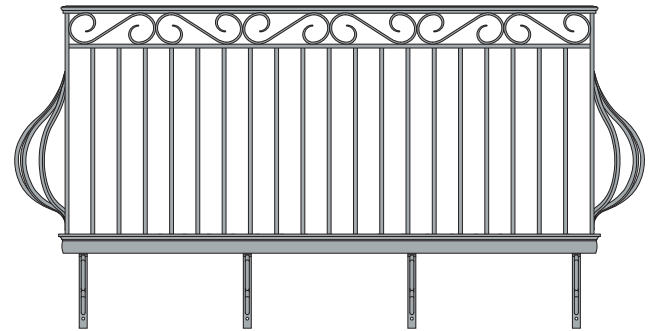
Gail • Sales

Standard dimensions are approximately **80" Deck Width** with a **Height of 37"** above the deck to the top of the railing. Check local codes to determine height requirements.



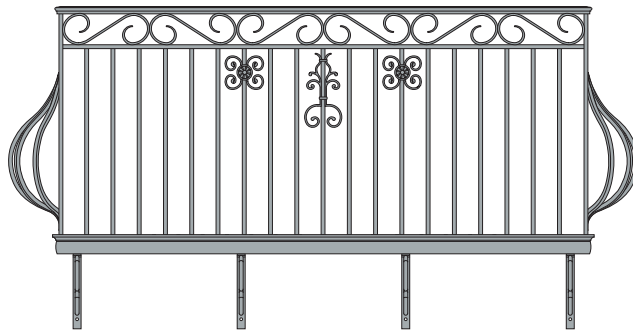
TYBALT

Color	True Balcony Depth 15½"	False Balcony 4¼" Depth
Dark Roast	PFB117T3DR	PFB117F3DR
Flat Black Texture	PFB117T3FB	PFB117F3FB
Gloss Black	PFB117T3GB	PFB117F3GB
Mineral Bronze	PFB117T3MB	PFB117F3MB
Gloss White	PFB117T3GW	PFB117F3GW



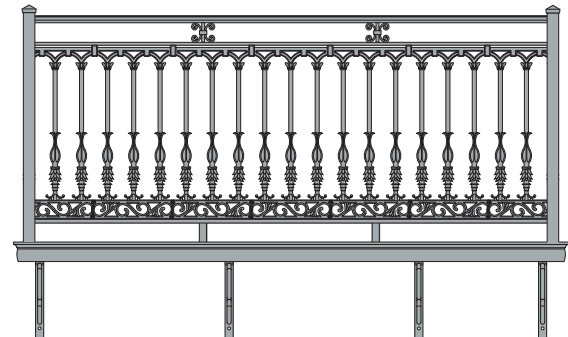
ROMEO

Color	True Balcony Depth 15½"	False Balcony 4¼" Depth
Dark Roast	PFB125T3DR	PFB125F3DR
Flat Black Texture	PFB125T3FB	PFB125F3FB
Gloss Black	PFB125T3GB	PFB125F3GB
Mineral Bronze	PFB125T3MB	PFB125F3MB
Gloss White	PFB125T3GW	PFB125F3GW



JULIET

Color	True Balcony Depth 15½"	False Balcony 4¼" Depth
Dark Roast	PFB107T3DR	PFB107F3DR
Flat Black Texture	PFB107T3FB	PFB107F3FB
Gloss Black	PFB107T3GB	PFB107F3GB
Mineral Bronze	PFB107T3MB	PFB107F3MB
Gloss White	PFB107T3GW	PFB107F3GW



ROSALINE

Color	True Balcony Depth 15½"	False Balcony 6½" Depth
Dark Roast	PFB304T3DR	PFB304F3DR
Flat Black Texture	PFB304T3FB	PFB304F3FB
Gloss Black	PFB304T3GB	PFB304F3GB
Mineral Bronze	PFB304T3MB	PFB304F3MB
Gloss White	PFB304T3GW	PFB304F3GW