



Best Stair Part

Aesthetic Value: Clean Modern Design without a Newel Post

Stair Safety: NO

Quality of Workmanship: Durable, Excellent Quality, Strong, Made in USA, Solid Steel. Furniture Grade, Quality Hardware

Technical Challenge: Fully Fabricated Curved Steel Stair System without Newel Posts













Best Stair Part

Aesthetic Value:

The sea horse newel and sea shell volute entering the stairs of this beach house set the atmosphere of fun for the entire house.

Stair Safety:

The large base of this newel gave the whole balustrade a great solid feel.

Quality of Workmanship:

8/4 White oak glue up was selected for color and grain and lots of time was spent to get a good looking representation of the seahorse with careful attention to finish sanding.

Technical Challenge:

Drawing this in 3D as well as programing the toolpaths.

NOTE: Entry met the code as enforced in the local jurisdiction













Best Stair Part

Aesthetic Value:

A spiral newel created out of the railing profile adds a unique element to this staircase. The rail flows all the way down to the starter step.

Stair Safety:

The newel is created in a manner that makes it look like it is floating in space yet it is still ridged and secure.

Quality of Workmanship:

Color matched white oak was used for the blocks for a seamless look through the lightcolored stain with magnetic hidden fasteners used at joints for no visible plugs or fasteners.

Technical Challenge:

It was a technical challenge to create the rail segments on our 5axis equipment and join them together to create an end product that appears seamless and in one piece.













Best Balustrade

Aesthetic Value:

Each baluster gives added value and character to each staircase. Steel balusters in urban black from Prestige Metal.

Stair Safety:

According to the Code, this railings take the form of a banister with vertical balusters B012 and T010 from Prestige Metal.

Quality of Workmanship:

All our balusters are painted in our factory. Dry powder paint is heat cured to high intensity. It covers uniformly and hides traces of welding and sanding. Durable, scratch-resistant finish.

Technical Challenge: Railing with steel balusters.

NOTE: Entry met the code as enforced in the local jurisdiction.













Best Balustrade

Aesthetic Value:

Custom iron balustrades as the focus of the entry and great room. The gold leaf accents compliment the many other gold features throughout the residence.

Stair Safety:

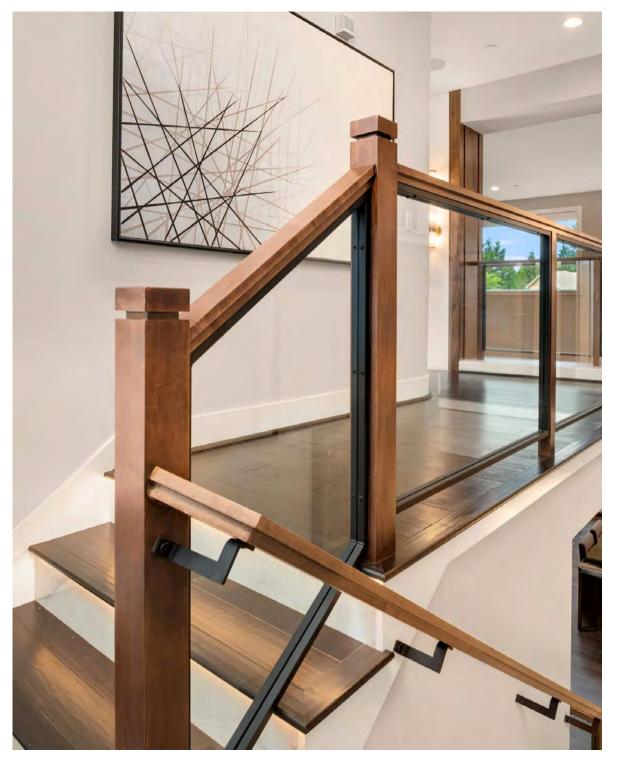
Guard height was raised slightly from the original to bring the handrail height to current codes.

Quality of Workmanship:

The custom iron balustrade provides a sturdy guard and dramatic aesthetics to this previously plain foyer.

Technical Challenge:

This was a collaboration between designer and stair builder. Initial design was from very general direction by the designer followed by several tweaks with direction from the designer and owner.





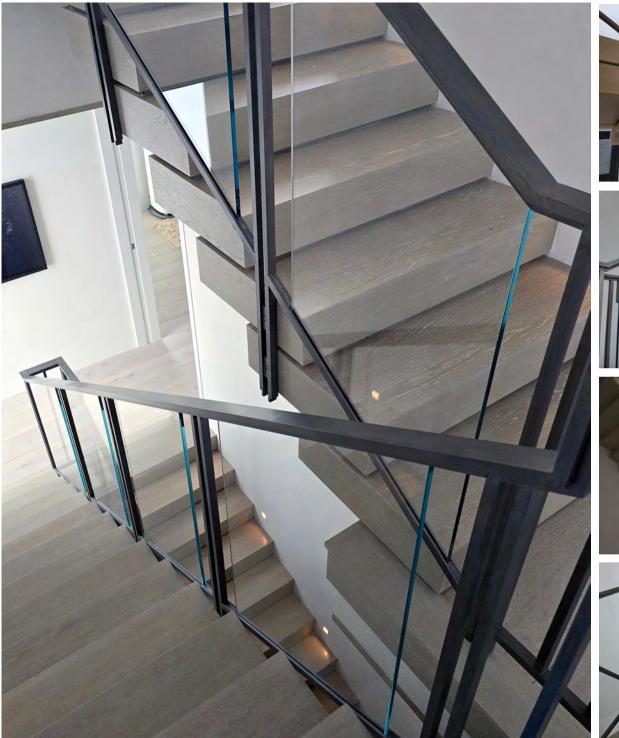
Best Balustrade

Aesthetic Value: Unique, Modern, Stylish

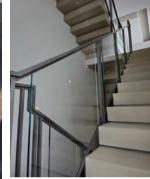
Stair Safety: Meets all safety standards

Quality of Workmanship: Premium Quality Fabricated Steel Glass Frames-powder coated to the highest standards

Technical Challenge: Design, Layout, and Installation













Best Balustrade

Aesthetic Value:

Modern straight balustrade with industrial vibes. The inclusion of glass panels with straight steel supports creates a look both monumental and open.

Stair Safety:

Complies with all codes and far exceeds all code required loads.

Quality of Workmanship:

Natural steel finish, all welds are ground absolutely smooth and flush with all finishes blended. Each post has a machined step on the bottom tip and glass grooves were machined into the steel.

Technical Challenge:

Designing a rail system that could be built of site with a detachable rail for access to install the glass was a challenge. The pieces had to be manageable to lift to install the glass.











Best Straight Stairway -Traditional

Aesthetic Value:

The stained would compliments the painted skirt boards and metal baluster system. The stair works with and enhances the design elements of the home.

Stair Safety:

The heavy steel post and solid half inch balusters provide for a very stiff and stable rail system.

Quality of Workmanship:

The metal balustrade is carefully filleted in the rail and curbs to both create a finished look and to even further strengthen the railing.

Technical Challenge:

The balusters were all made out of solid bar and welded to precise angles. The finish product was then powder coated.











Best Straight Stairway -Traditional

Aesthetic Value:

Stairs are totally unsupported with direct views to outside.

Stair Safety:

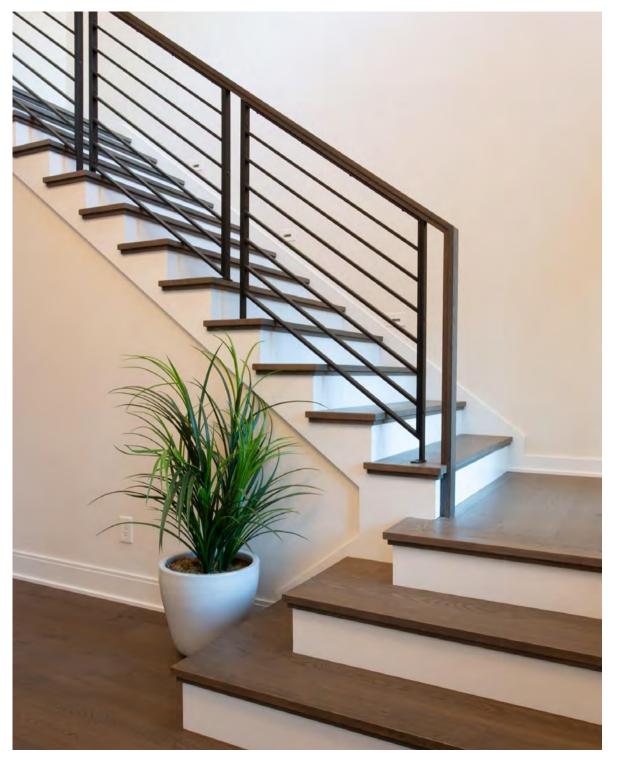
Rake rail height set to 34", Level rail height set to 36"

Quality of Workmanship:

Poplar Primed stringers & risers w/Rift + Quarter sawn white oak treads, plank nosing, white oak cove scotia. Rail - sapele w/custom hand carved wreaths at transition points. Custom turned balusters.

Technical Challenge:

We had to make some changes to the run to maintain the rake rail height on all those custom transitions.





Best Straight Stairway -Traditional

Aesthetic Value: Unique, Modern, Stylish, Waterfall Hardwood Handrail

Stair Safety: Meets all safety codes.

Quality of Workmanship: Premium Quality Steel and Wood--Powder Coated Steel and Stained Hardwoods.

Technical Challenge: Design, Layout, Installation











Best Straight Stairway -Traditional

Aesthetic Value:

Mono central steel stringer to support its structure efficiently and uniformly. For a traditional and vintage look, we recommended steel stringer with balusters railings and wooden steps.

Stair Safety:

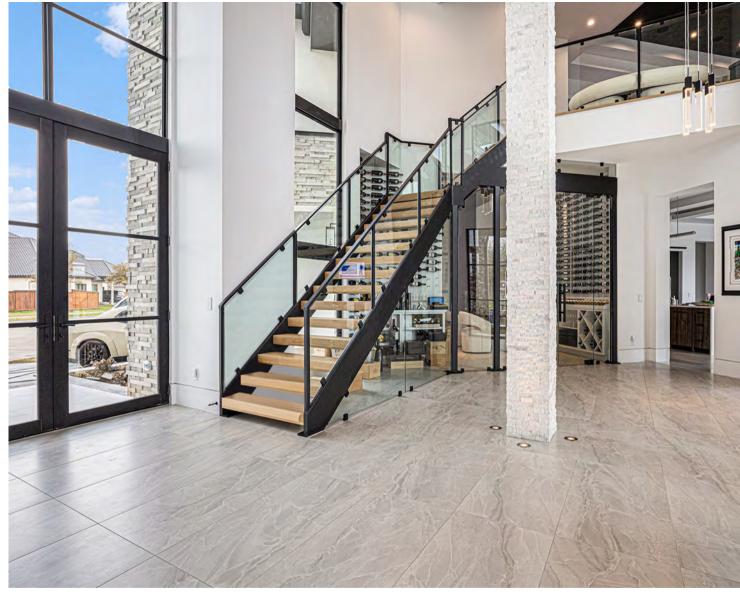
Stringers conform to the building code and have been approved by an engineer. It complies with the building regulations of the region where it's installed.

Quality of Workmanship:

Each stringer is custom made thanks to a technical drawing. Steel stringer is painted (powder paint) in our factory. This one is in urban black.

Technical Challenge:

Straight staircase with steel stringer and balusters railings.













Best Straight Stairway - Modern

Aesthetic Value:

double steel stringer with block treads and glass panels

Stair Safety:

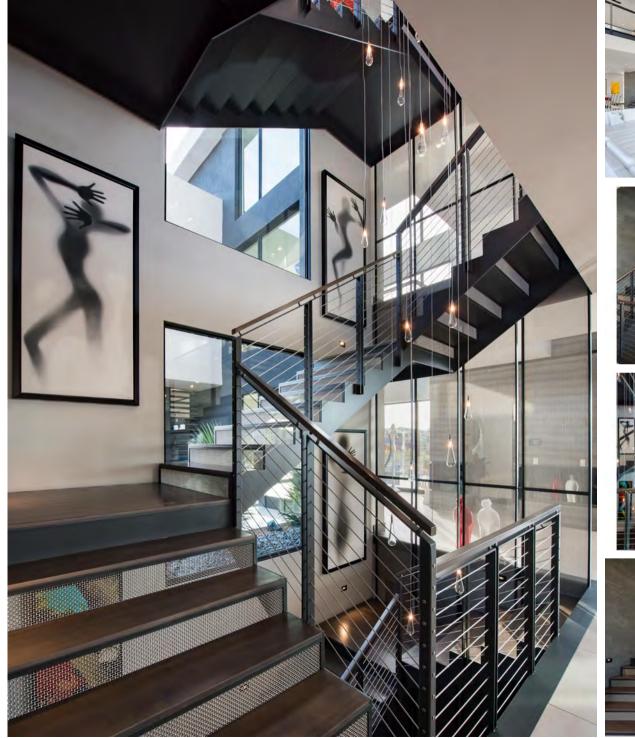
everything was installed at code with proper riser and rail heights.

Quality of Workmanship:

We ended using all steel rectangular tube for the stringer with white oak butcher block treads and 1/2" tempered glass

Technical Challenge:

this was not on the plan so we had to figure out what was the best possible way since this had a wine room underneath the staircase.













Best Straight Stairway - Modern

Aesthetic Value:

This unique stair has stainless steel mesh risers that we integrated into the plate steel stringers and maple wood treads

Stair Safety:

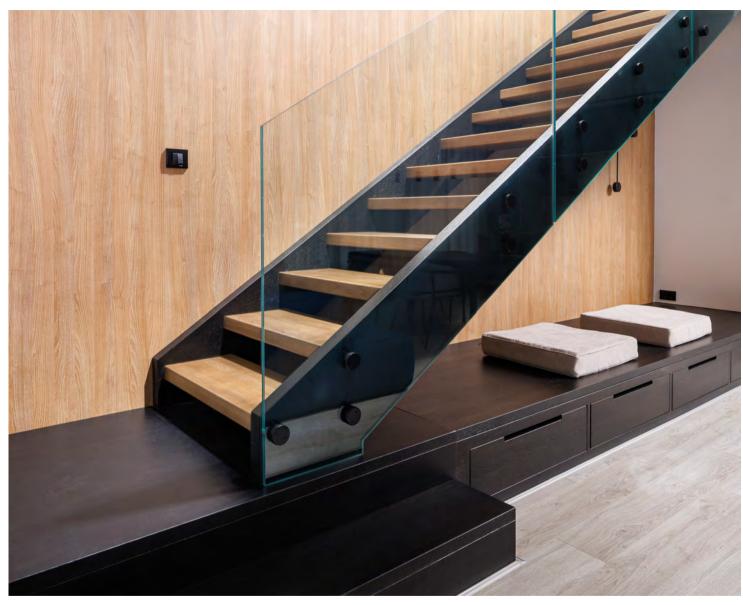
The code compliant handrail mounts on top of stainless-steel pegs. Each section of rail is modular and mounts on to the side of the plate steel stringer

Quality of Workmanship:

This stair is 3 stories high. All 3 flights are suspended perfectly over top of one another.

Technical Challenge:

If you look closely, one of the faces of the stair has a mesh screen that spans all 3 stories and integrates into the stair well. That was part of the stair install.













Best Straight Stairway - Modern

Aesthetic Value:

With a simple and elegant design, ingeniously integrating a drawer system for efficient storage and providing a practical and stylish seating space, the glass balustrade adds a contemporary touch

Stair Safety:

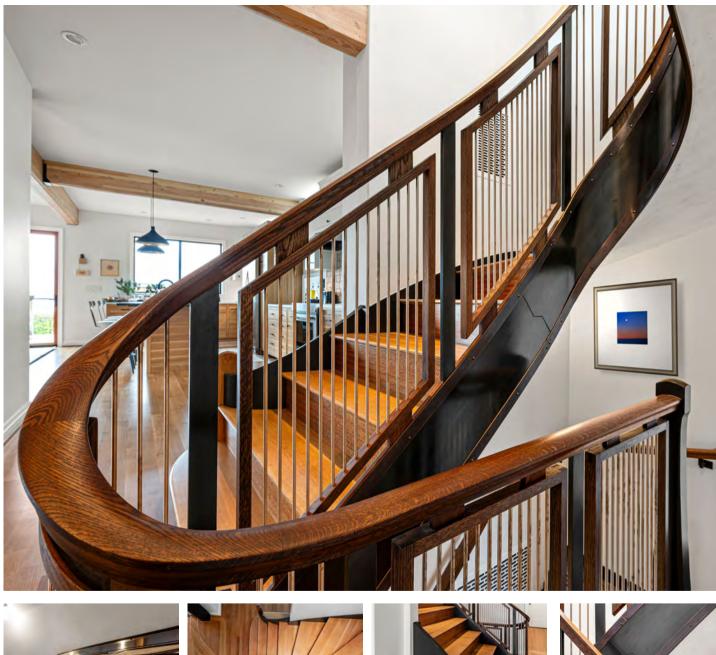
The stair respects national standards

Quality of Workmanship:

Premium 60mm oak, top finishing solutions, best glass quality.

Technical Challenge:

Dimensions of the platform and fixturing system was the challenge for this project





Best Straight Stairway - Modern

Aesthetic Value:

A sinuously compact, true jewel box of a staircase. Mid century styling blends silicon bronze, wood and gunmetal steel, featuring glamour plus practicality with a built-in bench and art drawer.

Stair Safety:

This stair would never have met code, so we required the architect to raise the kitchen and dining room a full 12" to ensure risers of 7 3/4" or less.

Quality of Workmanship:

The stair combines the best of mid century materials and design, in a combining Q-sawn W. oak, ribbon cut mahogany, Plaster soffit

Technical Challenge:

The impossible joint: Harry Potter style zigzag structural steel connections at the start and finish of the swirling 180° steel U-turn. Do you see the joints? Airtight tolerances.





















Best Straight Stairway -Modern

Aesthetic Value:

Maintaining the shadow line of the handrail consistently atop the rake wall to pony wall.

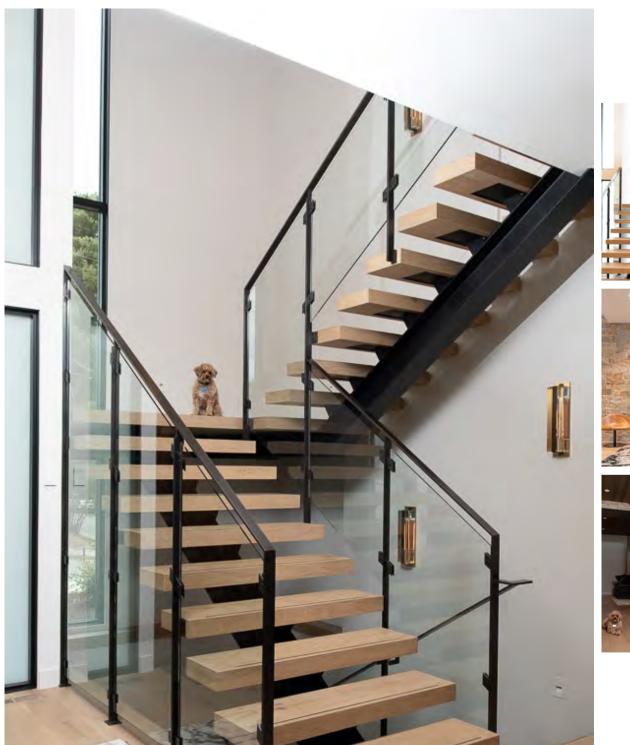
Stair Safety:

Floating treads supported by 5/8" large steel brackets.

Quality of Workmanship: Top notch.

Technical Challenge:

Hand manufacturing the wreathed rake to level fitting











Best Straight Stairway - Modern

Aesthetic Value: Contemporary Modern Glass Design Stair and Rail

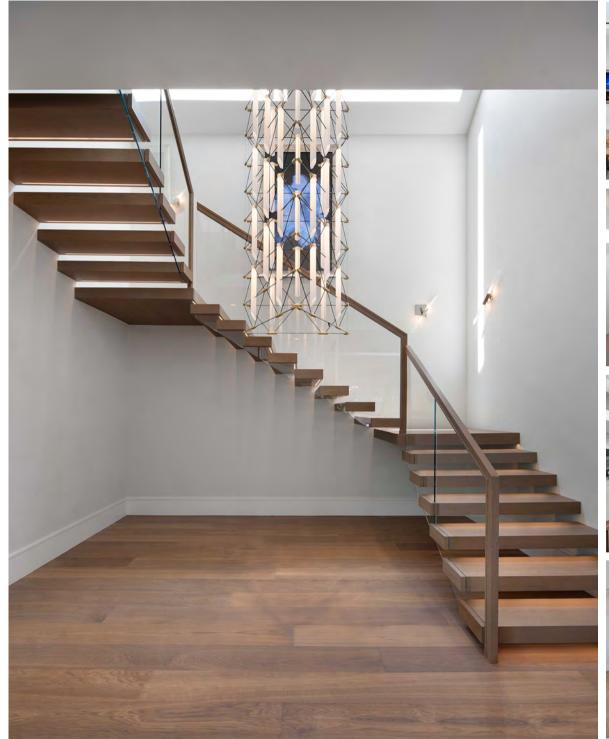
Stair Safety: Meets all stair safety codes

Quality of Workmanship:

Custom Petina and Field Waxed Cold Drawn Steel Post and Rail. Premium, High End Fabricated Steel and Glass System with I-Beam Mono Stringer

Technical Challenge:

Custom Glass Clamps. Multi-Level Glass and Posts













Best Straight Stairway - Modern

Aesthetic Value:

Simple modern flare with straight lines and floating cantilevered treads. Each tread is lit with a recessed LED light strip.

Stair Safety:

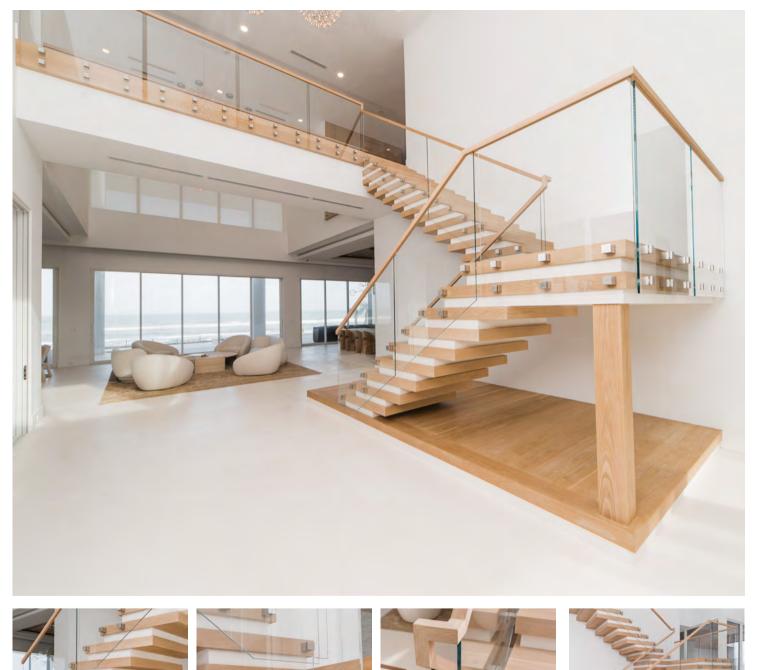
Complies with all aspects of the code standards.

Quality of Workmanship:

The project consisted of plain sawn European Oak and low iron glass. All glass mounting hardware being hidden by the wooden tread end caps.

Technical Challenge:

Hidden steel supports and plates create a floating look. All supports and plates had to be installed and hidden within the wall cavity build out.





Best Straight Stairway - Modern

Aesthetic Value:

The stacked boxes configuration, glass, and sleek top rail contribute to provide crisp, clean lines of this stairway. The lines throughout the landing blend seamlessly with the rest of the stair.

Stair Safety:

Safety glass is used along with a plowed top rail to provide a secure guard.

Quality of Workmanship:

The glass is low iron and the glass standoffs are solid 316 stainless steel.

Technical Challenge:

The large stacked box configuration required extensive internal components to ensure a sound structure and allowed the boxes to be assembled on site. All exposed wood was lock mitered and face grain.

> NOTE: Entry met the code as enforced in the local jurisdiction.

BEFORE













Best Straight Stairway - Modern

Aesthetic Value:

Mono central steel stringer to support its structure efficiently and uniformly. Subsequently, for a modern and minimalist look, we recommended glass railings and wooden steps.

Stair Safety:

Stringers conform to the building code and have been approved by an engineer. It complies with the building regulations of the region where it's installed.

Quality of Workmanship:

Each stringer is custom made thanks to a technical drawing. Steel stringer is painted (powder paint) in our factory. This one is in urban black.

Technical Challenge:

2 steel stringers First floor : Stringer with 3 winder steps and a 45° attachment. Second floor : Stringer in L-shaped with a 90° landing. Crossbeam at the top.













Best Curved Stairway -Traditional

Aesthetic Value:

Staircase is main focal point of the home. Running from garage level to rooftop, 4 stories.

Stair Safety:

Being elliptical achieving a consistent 10" run at path of walk. Legal rail heights.

Quality of Workmanship:

Collaboration with fellow SMA member, highest quality wreathed handrail parts. Pristine details for a multi-million dollar home in San Francisco's Pacific Heights neighborhood.

Technical Challenge:

Laying out the steel beams to support landings during the rough framing of the house and craning in the stringers.













Best Curved Stairway -Traditional

Aesthetic Value:

The freestanding stair provides elegant, sweeping curves as it passes in front of the windows of this curved stair tower. The handrail flows seamlessly throughout all floors.

Stair Safety:

The handrail provides uninterrupted graspability as you traverse the various flights. Walkline remains consistent throughout bowed winders.

Quality of Workmanship:

The all wood carriage has embedded steel brackets to secure the stair to the structure a the top and base headers. Balusters were custom made our machine shop.

Technical Challenge:

The balusters were machined with slots to slide two halves together without any welds for a very crisp look. The handrail was made with many custom wreathed fittings throughout various pitch changes.













Best Curved Stairway -Traditional

Aesthetic Value:

Flowing curves and traditional balusters make a statement in the space. Flowing into rather than just filling it.

Stair Safety:

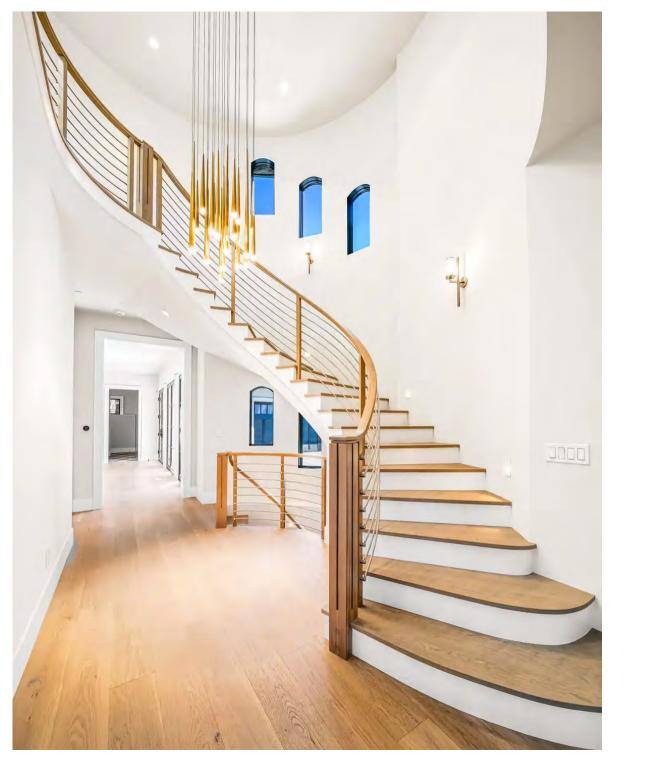
The walk line of this stair and baluster was carefully planned to comply with code.

Quality of Workmanship:

A flowing rail system with climbing volutes completes the package for this beautifully curved stairway. Solid hardwood rails and treads combined with metal balusters creates a picture of elegance.

Technical Challenge:

The stringers, top, and lower mounting was designed to provide for a rigid structure with no bounce. Careful attention was paid to ensure all radiused parts followed the perfect path.





Best Curved Stairway -Traditional

Aesthetic Value: Sweeping Modern Staircase featuring a Nautical Aesthetic

Stair Safety: Meets all Codes

Quality of Workmanship: Highest Quality of Steel and Hardwood Products

Technical Challenge: Radius Steel Rod Application





Best Curved Stairway - Modern

Aesthetic Value: Modern Sweeping Curved Staircase with Sleek Design and Rich Colors

Stair Safety: Meets all Codes

Quality of Workmanship: Black Stainless Steel Solid Rod with Stained Hardwoods

Technical Challenge: Extremely Tight Radius













Best Curved Stairway - Modern

Aesthetic Value:

The curved strings made out premium oak, layered and machined in details, are the central point of this project, beside the asymmetrical balusters that give a unique signature.

Stair Safety:

The stair accomplished the national standard

Quality of Workmanship:

Made out of premium oak, top finishing products from Bona and Rubio Monocoat, each detail controlled and refine form production to installation

Technical Challenge:

This was the our first curve string with a radius bigger than 300mm

:)













Best Curved Stairway - Modern

Aesthetic Value:

This Beautiful Stairway has a $\frac{1}{2}$ " plate steel inside stringer bent to a 27" radius. The outside stringer is 1"x12" steel. The Starphire glass is attached with standoffs custom made from 1" steel.

Stair Safety:

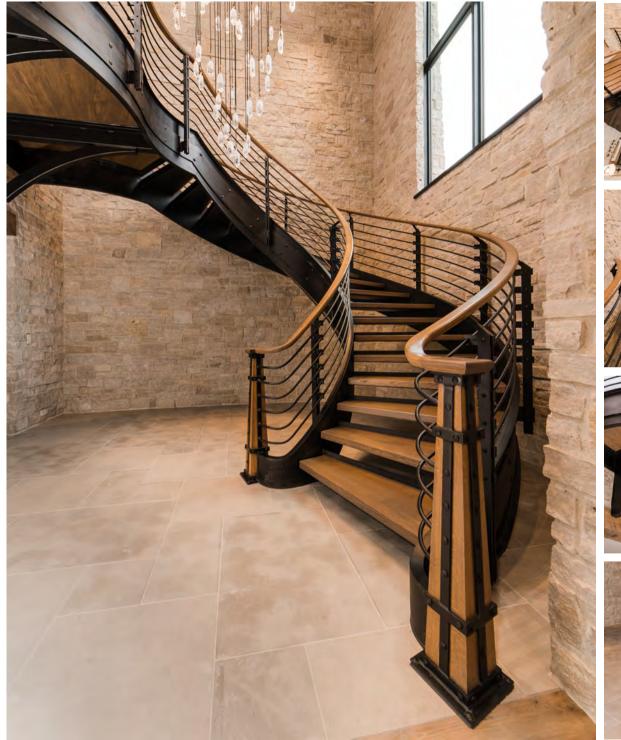
The Maple wood open riser treads are wrapped around a tube steel core with integrated LED lights. The handrail is also maple. 2" round profile

Quality of Workmanship:

This stair had to be carted in the house in pieces to get it through the front door. There was a lot of site welding. The outside stringer wraps around to create a landing at the top of the stair.

Technical Challenge:

Because of the custom standoffs, we could only use a 5/8" holes to attach the glass. That left us very little wiggle room to get the glass to line up. With no top rail the alignment had to be perfect













Best Curved Stairway - Modern

Aesthetic Value:

This design meshed an old world and a modern photo submitted by the architect. Large freestanding landing provides awe and small details like the hammered rivets provide a unique and pleasing look.

Stair Safety:

The space allowed for commercial rise and run in this private residence. The newel placement at the bottom provided additional handrail at the bottom of the stair.

Quality of Workmanship:

The freestanding carriage and sizable landing are supported with curved C-channels fabricated in house. The grain direction on the large platform is arrayed to run parallel to the front and back edge.

Technical Challenge:

Extensive rigging was required to erect the stair and landing because it was prebuilt in the shop and delivered in three pieces. Smart stain finish is applied to the metal.













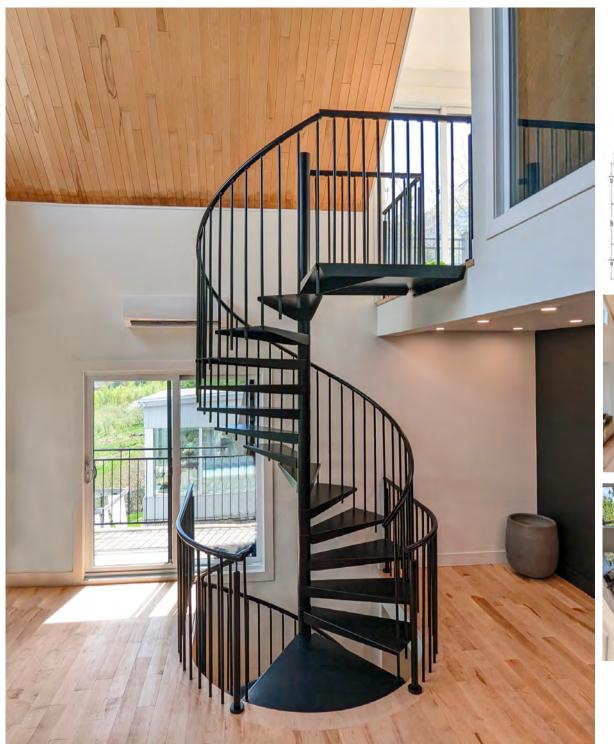
Best Curved Stairway - Modern

Aesthetic Value: Words here

Stair Safety: Words here

Quality of Workmanship: Words here

Technical Challenge: Words here











Best Spiral Stairway

Aesthetic Value:

Steel stringer with steel steps. We have installed tree E 56 - E 67 models from Prestige Metal with balusters which finished under the step. Black color.

Stair Safety:

Spiral staircases are conform to the building code and have been approved by an engineer. It complies with the building regulations of the region where it's installed.

Quality of Workmanship:

Each stringer is custom made thanks to a technical drawing. Spiral staircase is painted (powder paint) in our factory.

Technical Challenge:

Installed a staircase in a limited space. This staircase is made up of 3 spiral staircases, one on top of the other with a square landing at the top.













Best Spiral Stairway

Aesthetic Value:

This spiral stair became a focal point of the home as it changed the entire design of the lower level. The central helical column and outside stringer enhanced the design of this modern masterpiece.

Stair Safety:

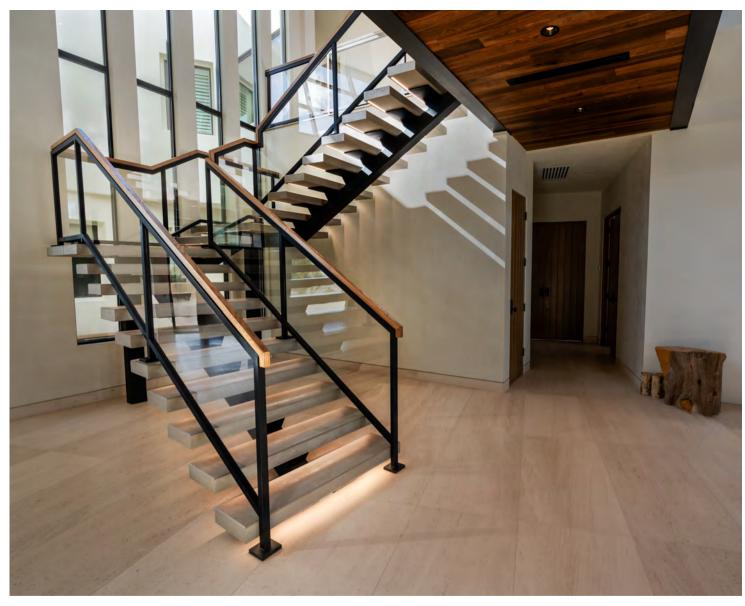
This stair has a 71" diameter making it much easier to walk than the original 36" diameter spiral that was in this home. Railing and spacing between horizontal rods comply with code.

Quality of Workmanship:

The finish of the wood treads resembles the finish of a Steinway Piano. The metal stringer & center column have a custom powder coat finish as the client wanted it to resemble stainless steel.

Technical Challenge:

The challenge was to fit a code compliant spiral in this villa to access a newly renovated 2nd floor livable area while still maintaining full use of the small lower level.













Best Stairway Renovation

Aesthetic Value:

Wow, What a face lift. This older stair was just not what the client wanted anymore. They said, "Get rid of everything and give me something new, modern, and unique." So We did!

Stair Safety:

This mono stringer stairway has precast concrete treads. Resting on the concrete treads is an aluminum and glass railing system that is 100% custom. No visible fasteners, no visible glass hardware

Quality of Workmanship:

The white oak handrail is fastened intricately around these difficult goose necks and corners you see in the images. It has a shadow line between it and the aluminum rail to give it a custom feel.

Technical Challenge:

All the precast treads were poured with appropriate slots to receive LED lighting that runs through the stringer. This stair is now the showpiece of the home.

NOTE: Entry met the code as enforced in the local jurisdiction.

BEFORE













Best Stairway Renovation

Aesthetic Value:

Double steel stringer to support its structure efficiently and uniformly. Subsequently, for a minimalist look, we recommended white stringer with glass railings and wooden steps.

Stair Safety:

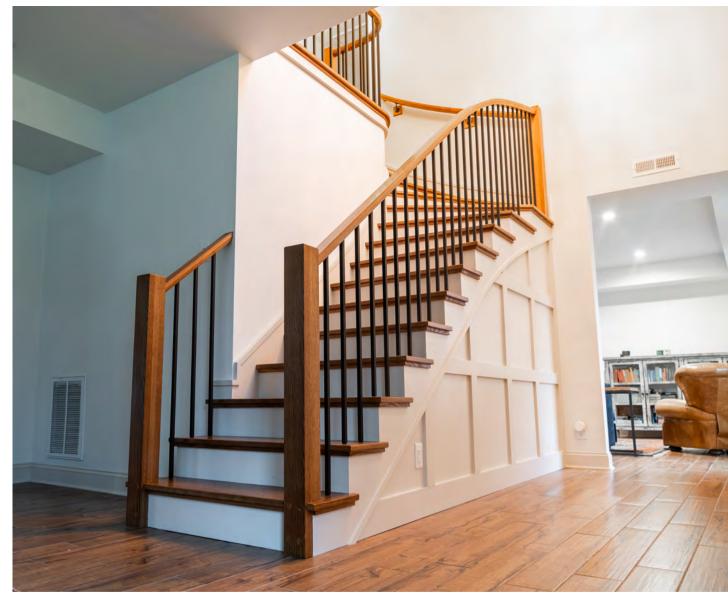
Stringers conform to the building code and have been approved by an engineer. It complies with the building regulations of the region where it's installed.

Quality of Workmanship:

Each stringer is custom made thanks to a technical drawing. Steel stringer is painted (powder paint) in our factory.

Technical Challenge:

1 double steel stringer with a 180° landing





Best Stairway Renovation

Aesthetic Value:

We incorporated three radius design aspects, making a contrast with all square parts. Because the handrail follows the sweep of the stringers we achieved a simple flowing appeal.

Stair Safety:

The original stair had 4" treads with carpet making it dangerous to ascend or descend. We now have a consistent Code-compliant walk line through the treads and winders.

Quality of Workmanship:

This was CNC machined, shopbuilt utilizing mortise joinery techniques. The removal of intermittent newels gives it a consistent grasp of handrail, making it visually appealing.

Technical Challenge:

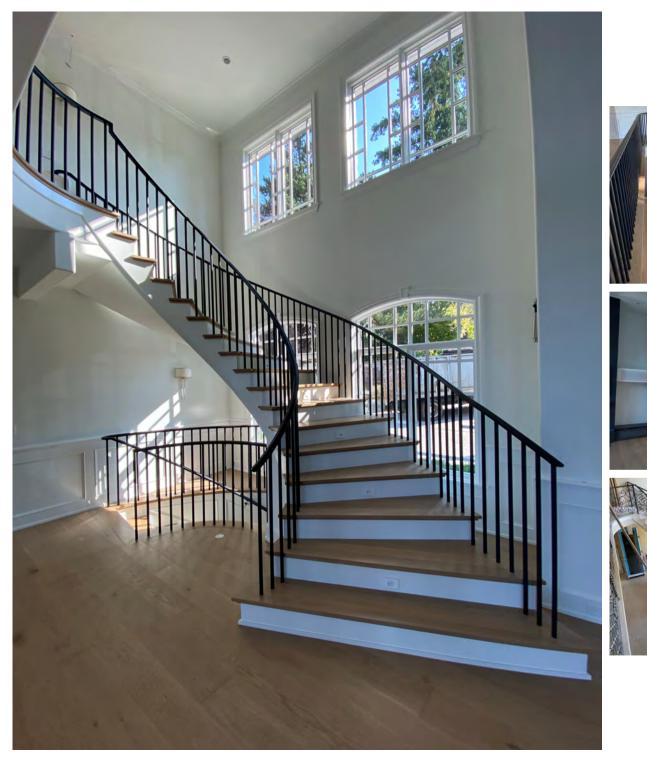
Designing a safe, Code-compliant stair to fit into a small foyer where the original staircase was 40" from the front entryway. We now have 64 inches from the entryway to the stairs.













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Best Stairway Renovation

Aesthetic Value:

Clean Modern Design without a Newel Post

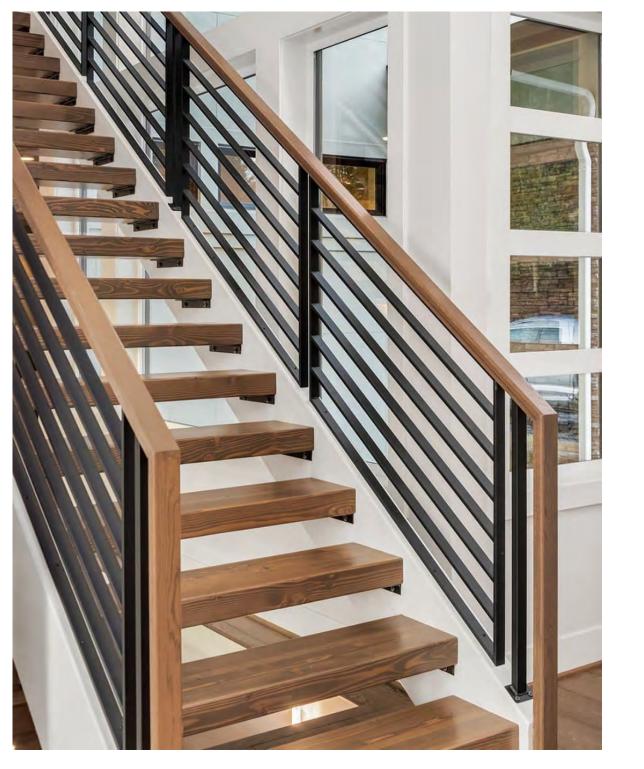
Stair Safety: Meets all Stair Codes

Quality of Workmanship: Highest Quality fully Fabricated Steel Design

Technical Challenge:

Fully Fabricated Curved Steel Stair System without Newel Posts







Best Production Stairway

Aesthetic Value: Unique, Modern, Stylish

Stair Safety: Meets all Codes

Quality of Workmanship: High Quality Powder Coated Steel Frames with Stunning Hardwood Handrails

Technical Challenge: None! Easy to Install!







Best Production Stairway

Aesthetic Value:

This half mono beam, half framed stair is a great upgrade for the production home. The hidden fastener glass system flows right through the treads on both the floating treads and the framed treads.

Stair Safety:

All the treads and rail are hard maple stained with a rich mocha stain. We match the framed in section to the floating section so all the treads have a uniform appeal to them.

Quality of Workmanship:

Even on the balcony, the glass comes right out of the floor with no visible fasteners.

Technical Challenge:

The timeline for these stairs are extremely short. We have to be in and out so all the other trades can finish. Protecting the finished treads during the rest of construction has been a struggle.





Anything But Stairs

This project was a lot of fun. The client brought us a piece of tile that he would be using on the outside of the house. He taped off a small section of the tile and asked us to create him a beautiful screen on the front of his home that was inspired from the design found in the tile. It came out beautifully. We also created a dog run screen with an integrated gate on the back side of the house. These large featured were about 12' tall and 15' wide.

















Anything But Stairs

We participated in an update to a unique, 1950 mid century gem. We wanted to create the feel of stepping back in time, a fresh curiosity at every turn, and a desire to touch and engage with the home and the materials.

We contributed:

The window seat/column/drawer Mantel/crown mold/black curio Entry divider and bench Art deco doorway

We used mahogany recycled from the original home, with new features in white oak.

We defined the entryway with a divider for space to say hello and goodbye where there had been none.

We employed LED illumination in each feature.

We turned the 10' column to punctuate the wall end and capture the window seat.

We were able to preserve and restore the original fireplace stonework.

Please enjoy the results.