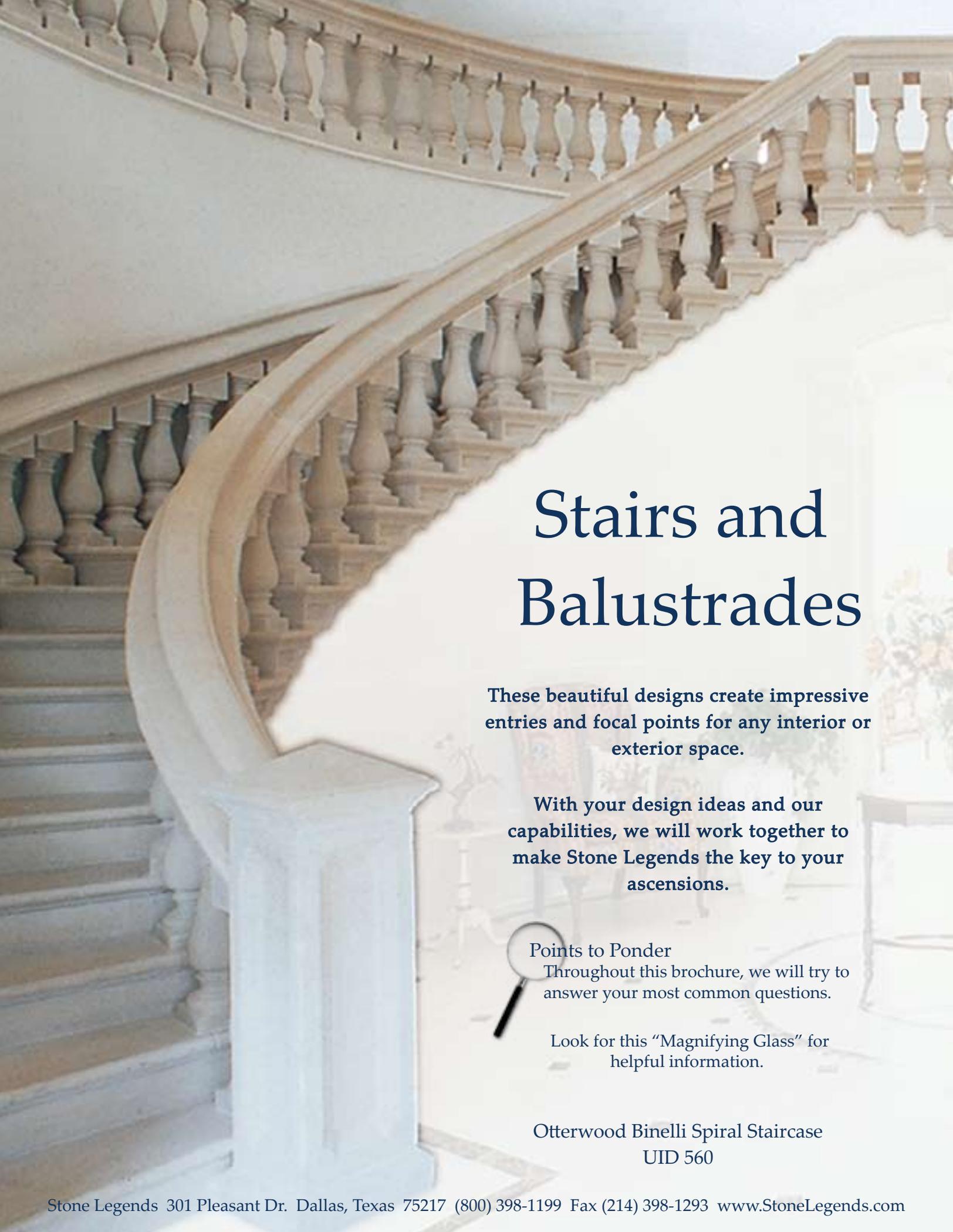




SL

*Stone Stairs
and Balustrades*

by Stone Legends



Stairs and Balustrades

These beautiful designs create impressive entries and focal points for any interior or exterior space.

With your design ideas and our capabilities, we will work together to make Stone Legends the key to your ascensions.



Points to Ponder

Throughout this brochure, we will try to answer your most common questions.

Look for this "Magnifying Glass" for helpful information.

Otterwood Binelli Spiral Staircase
UID 560



Stone Legends
introduces a collection of
staircases designed to elevate
your design ideas to new
levels.

www.StoneLegends.com

301 Pleasant Dr.
Dallas, Tx 75217

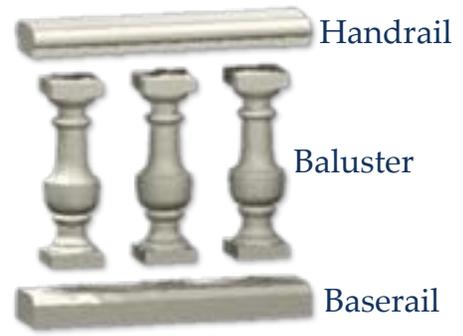
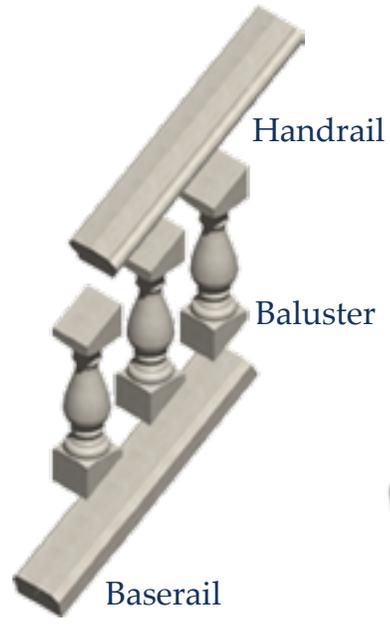
ph: (800)398-1199
fax: (214)398-1293



Balustrade Unit

A Balustrade Unit

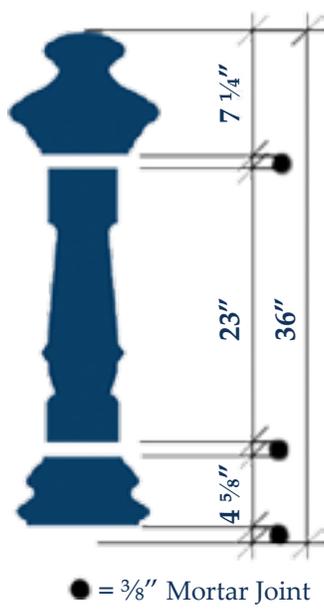
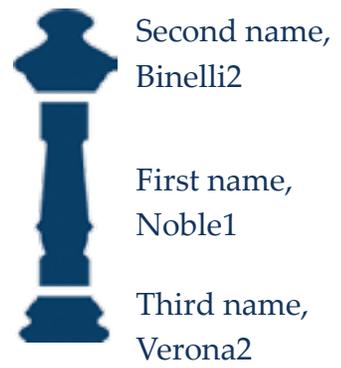
These same components can be used to build a balustrade or stair unit. Each unit can be identified by a profile name. Baluster or Stair units have three names. The baluster gives the first name, then the handrail, and last the baserail.



Profiles:



(baluster) (handrail) (baserail)
Noble1 Binelli2 Verona2



Know the Height

To calculate the total height of a balustrade you must include a 3/8" mortar joint between the handrail and baluster, the baluster and baserail, and the baserail and ground. The same applies to a newel pier.

Baserail can be omitted, but this makes placing of balusters more complex if you keep a specific distance between balusters.



Finial

Steps

Newel Pier Unit

Newel Pier

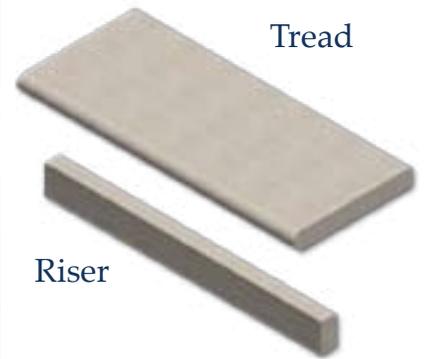
These same components can be used to build a balustrade or stair unit. Each unit can be identified by a profile name. Baluster or Stair units have three names. The baluster gives the first name, then the handrail, and last the baserail.



The newel can be omitted and the handrail can terminate with a finished end or volute end. The newel offers a deadman pier for durability and versatility.

Steps

Consist of two basic components. The difference between a steep or a shallow staircase is the size of the riser. A normal riser is between 6" and 7-1/2".



Risers can be omitted and replaced with brick or another suitable veneer. Printed in China.



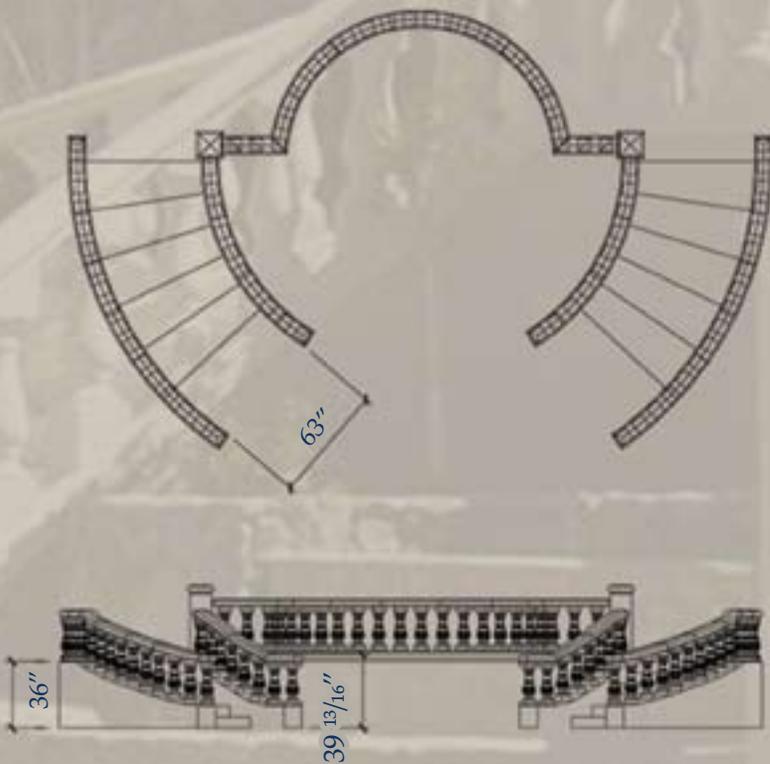
Finial

Finials are used to accentuate the top of your newel pier.

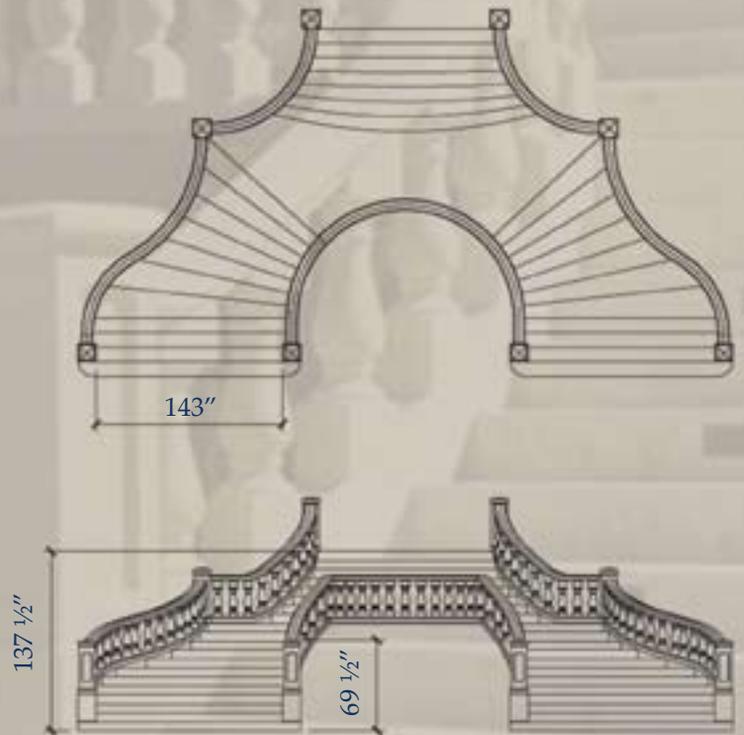
Grand Staircase

Higher in rank than others of the same class: Foremost, principal, great in size, marked by splendor, impressive, showing wealth or high social standing.

We build according to your specifications and ideas. Nothing is too complex.



UID 17113
Florentine Grand Stair



UID 17217
Otterwood Grand Stair 7
(as seen in photo above)

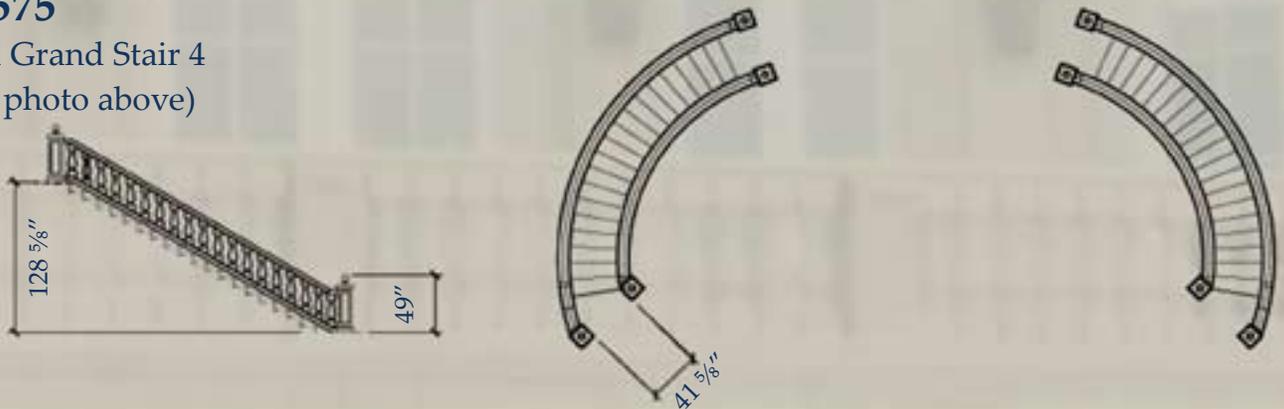


Grand Staircase

The staircase is the main focal point of this home offering individual emphasis and highlights to this homes exterior.

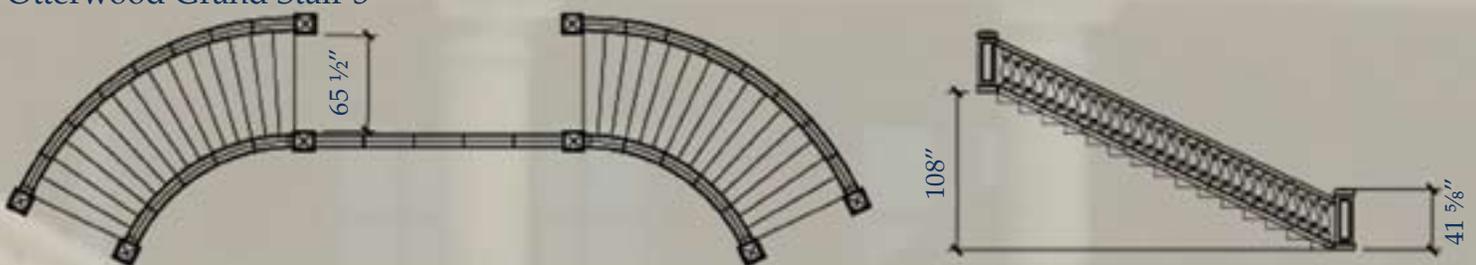
UID 16575

Otterwood Grand Stair 4
(as seen in photo above)



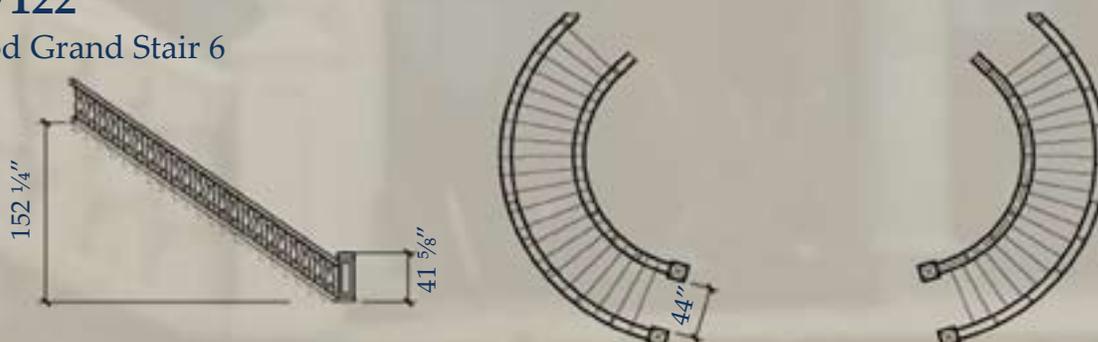
UID 15410

Otterwood Grand Stair 3



UID 17122

Otterwood Grand Stair 6



Helical Staircase

Having the shape of a helix, spiral.

Helical Staircase

Helicals can range from having a radius throughout it's length or using a radius at the very end of the balustrade.

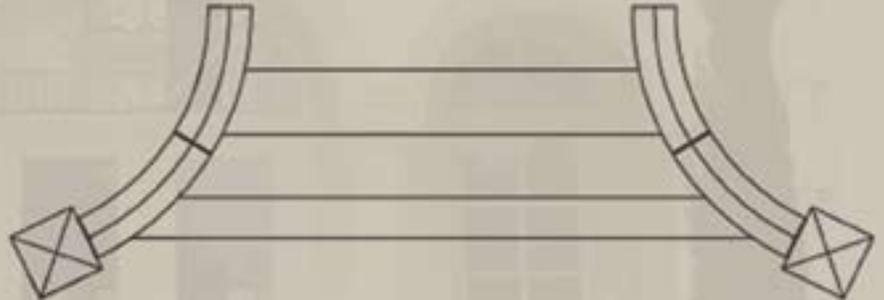


Treads and risers can be bought separately.



UID 14663

Kendal Connelly Cove

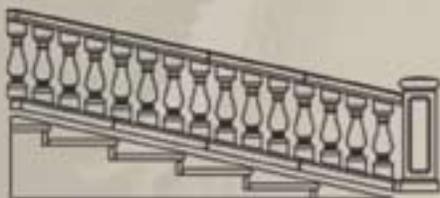


UID 18448

Kendal Connelly Cove

UID 15486

Kendal Connelly Cove



UID 14199

Otterwood Helical 18



UID 15260

Otterwood Helical 19

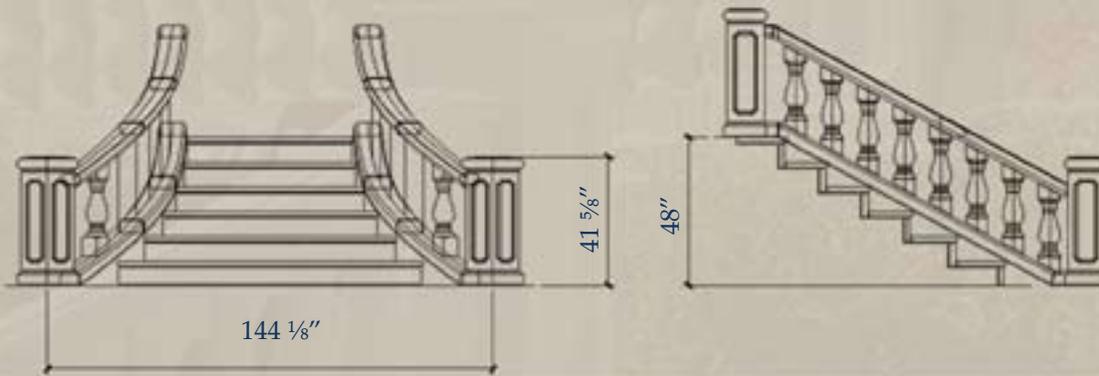


Helical Staircase

This simple helical stair will add a distinguished form of elegance to your home.

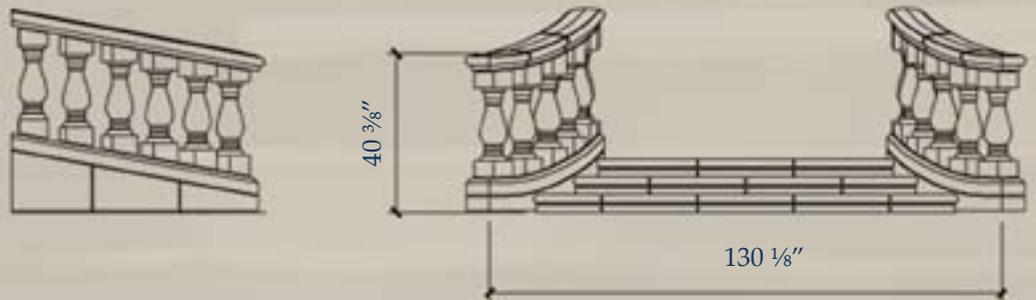
UID 9241

Otterwood Helical 9
(as seen above)



UID 182*

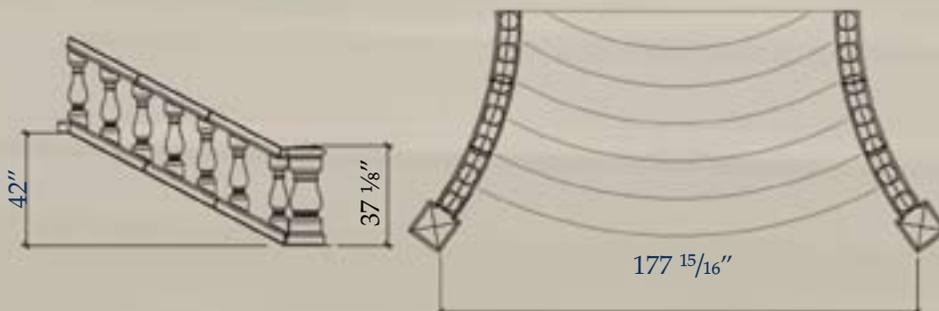
Otterwood Extrados Chamfer



* Unit includes
treads and risers

UID 17111

Otterwood Helical 26



Finishing the end of the Staircase

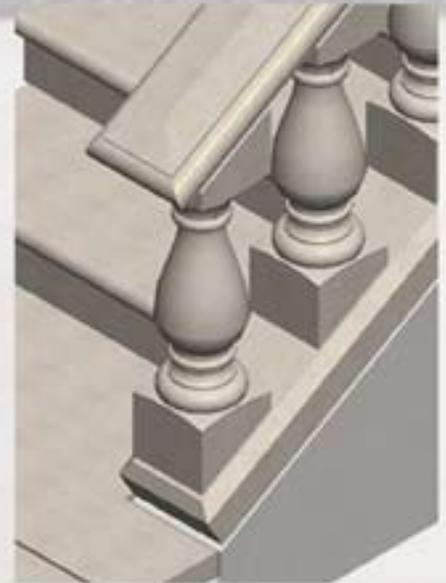
There are two ways to finish a staircase using either a finished end handrail or a newel pier.

Finished End

The handrail and baserail end at the bottom of the staircase. The handrail and baserail have a "finished end".

Newel Piers

With the use of a newel pier the handrail terminates directly into the newel pier shaft.



Finishing the top of the Staircase

Here are two other options for how to terminate the top of the staircase with a newel pier.

Ease-Up Extention

Handrail has a slight radius added to give a smoother transition.



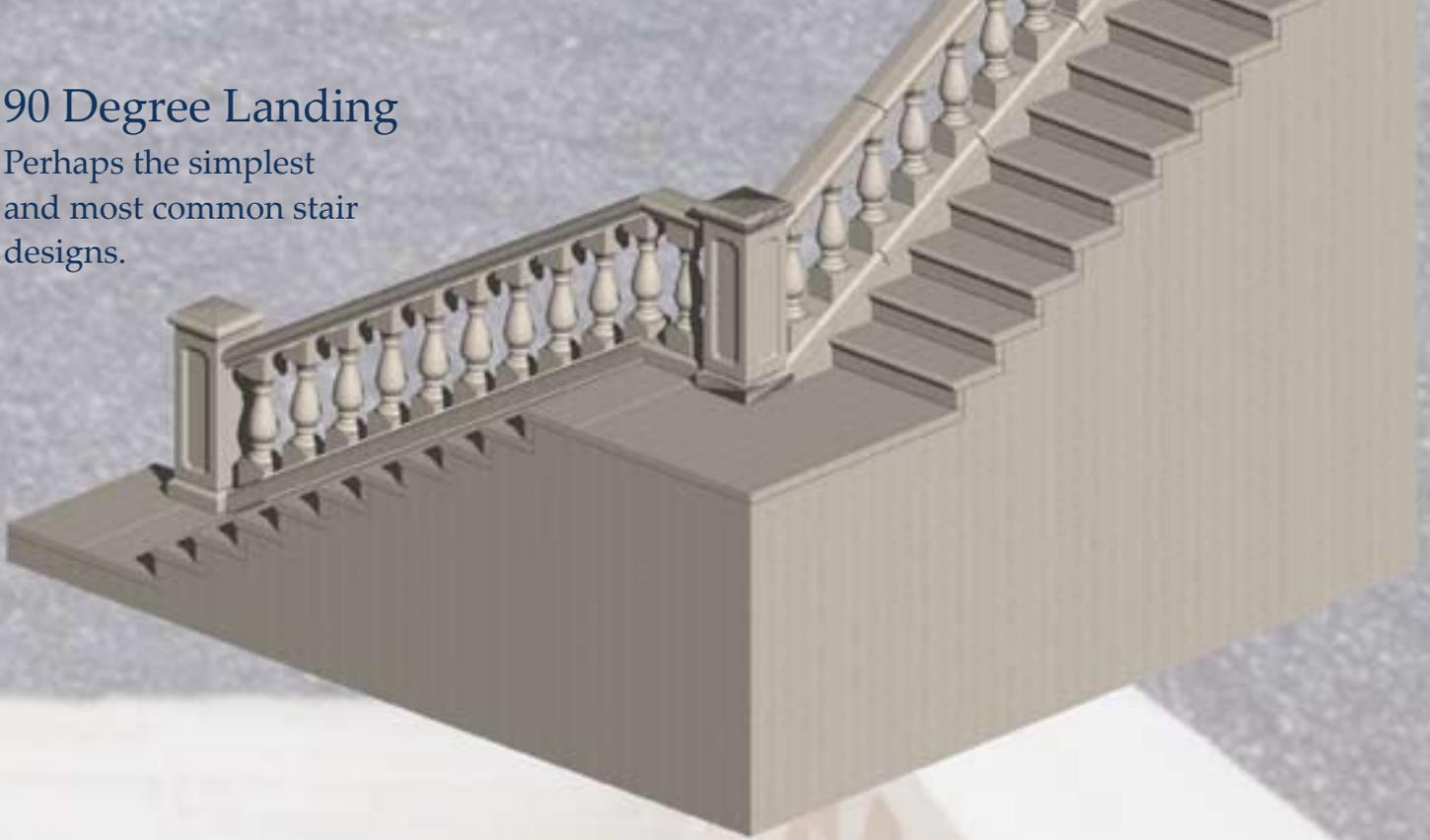
Gooseneck

When the newel pier is taller than where the handrail would connect, a vertical section is added to the handrail so the connection can be made to the newel pier.



90 Degree Landing

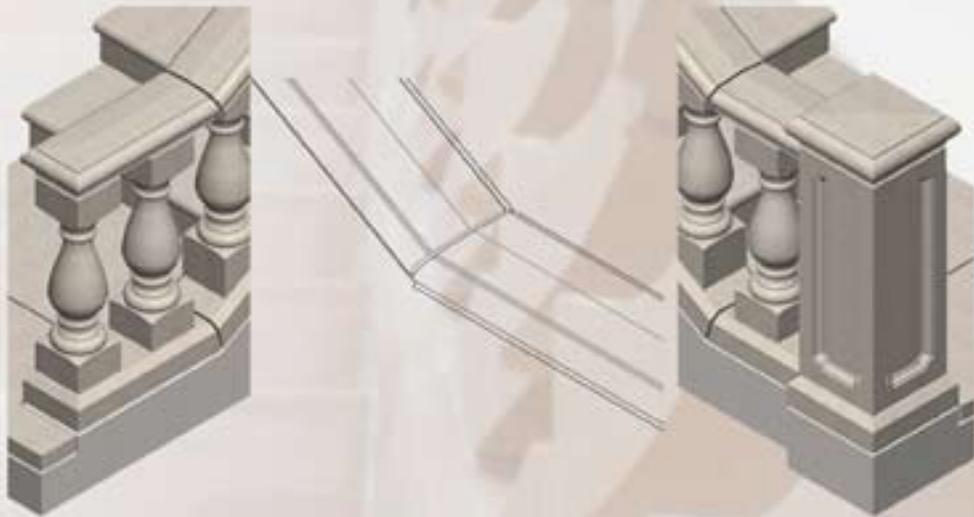
Perhaps the simplest and most common stair designs.



Other methods to finish the end of the Staircase.

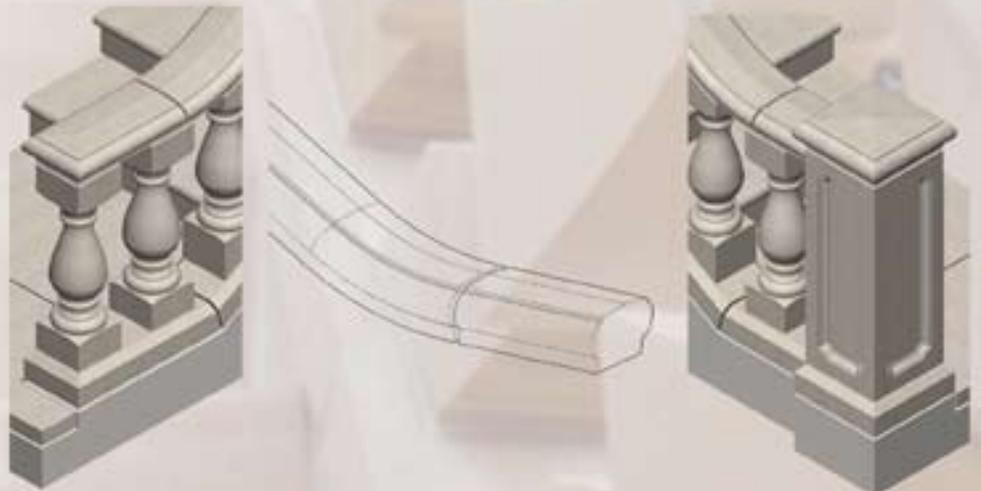
Miter Cut Extension

A standard "Field Miter Cut" was used to extend this handrail. It is a beautiful addition if space permits.

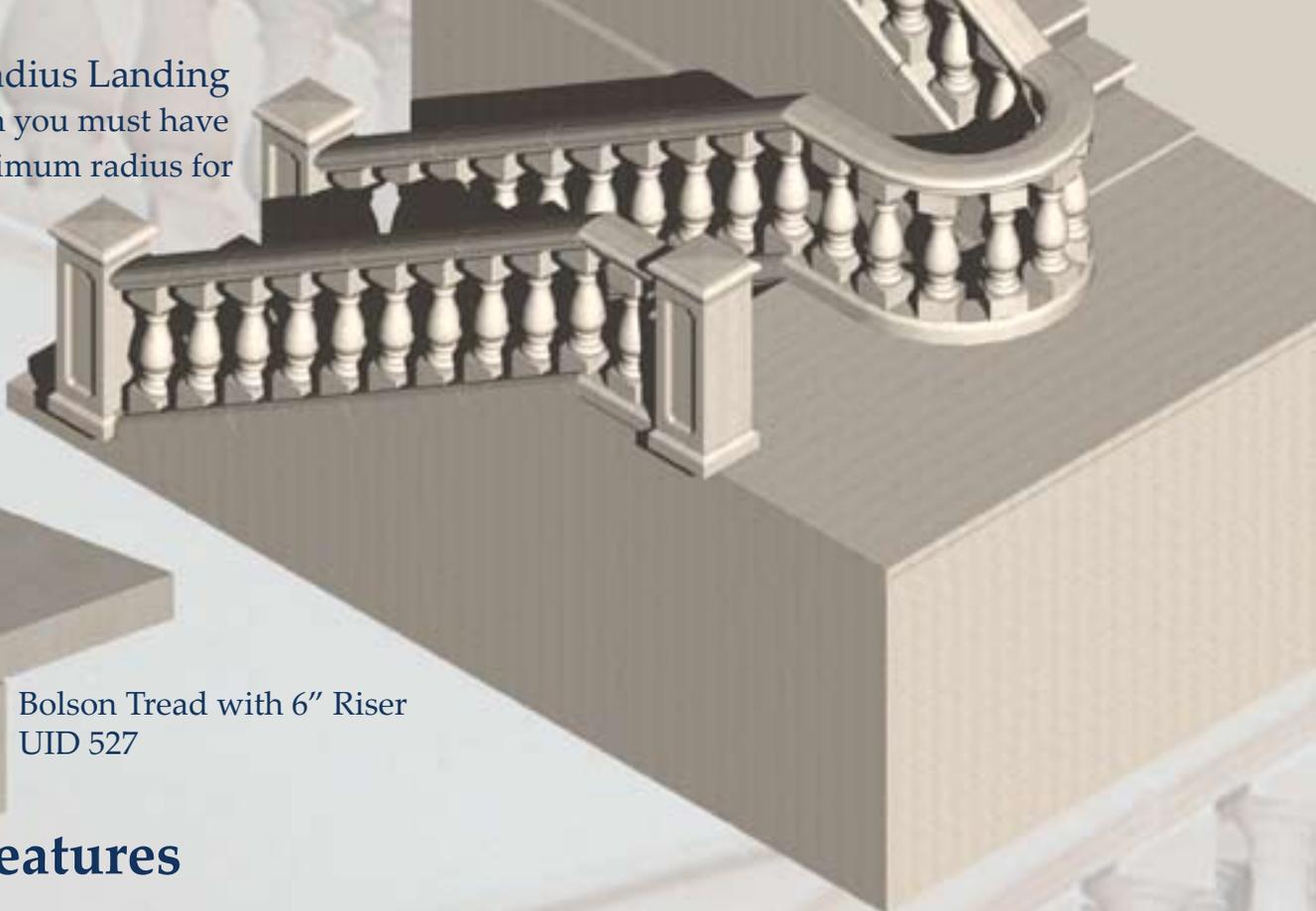


Ease-Down Extension

With the use of a slight radius to the handrail we achieve a smooth extension.



180 degree Radius Landing
 With this option you must have
 at least 30" minimum radius for
 the handrail



Bolson Tread with 6" Riser
 UID 527

Design Features

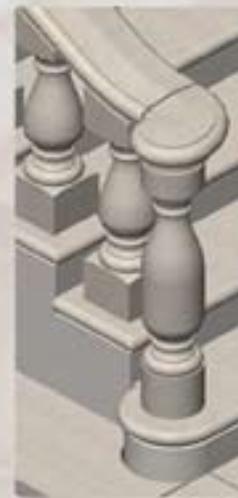
No-Baserail

These design options
 pertain to balusters
 installed directly on
 the treads of your
 staircase.



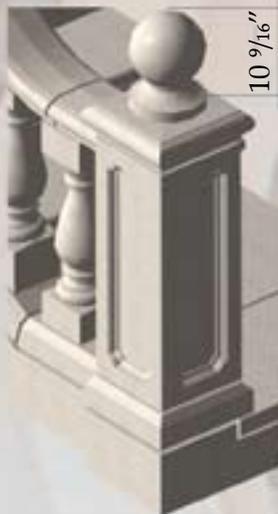
Volute

The bottom
 baluster is
 lengthened to
 fit on the
 starter step.



Finial

Additions to a newel
 pier that add "that
 little something
 extra" to the total
 design.



Ball With Pedestal
 UID 1082

Here are some other finial designs
 visit www.StoneLegends.com for more options.



Veronice
 UID 14086



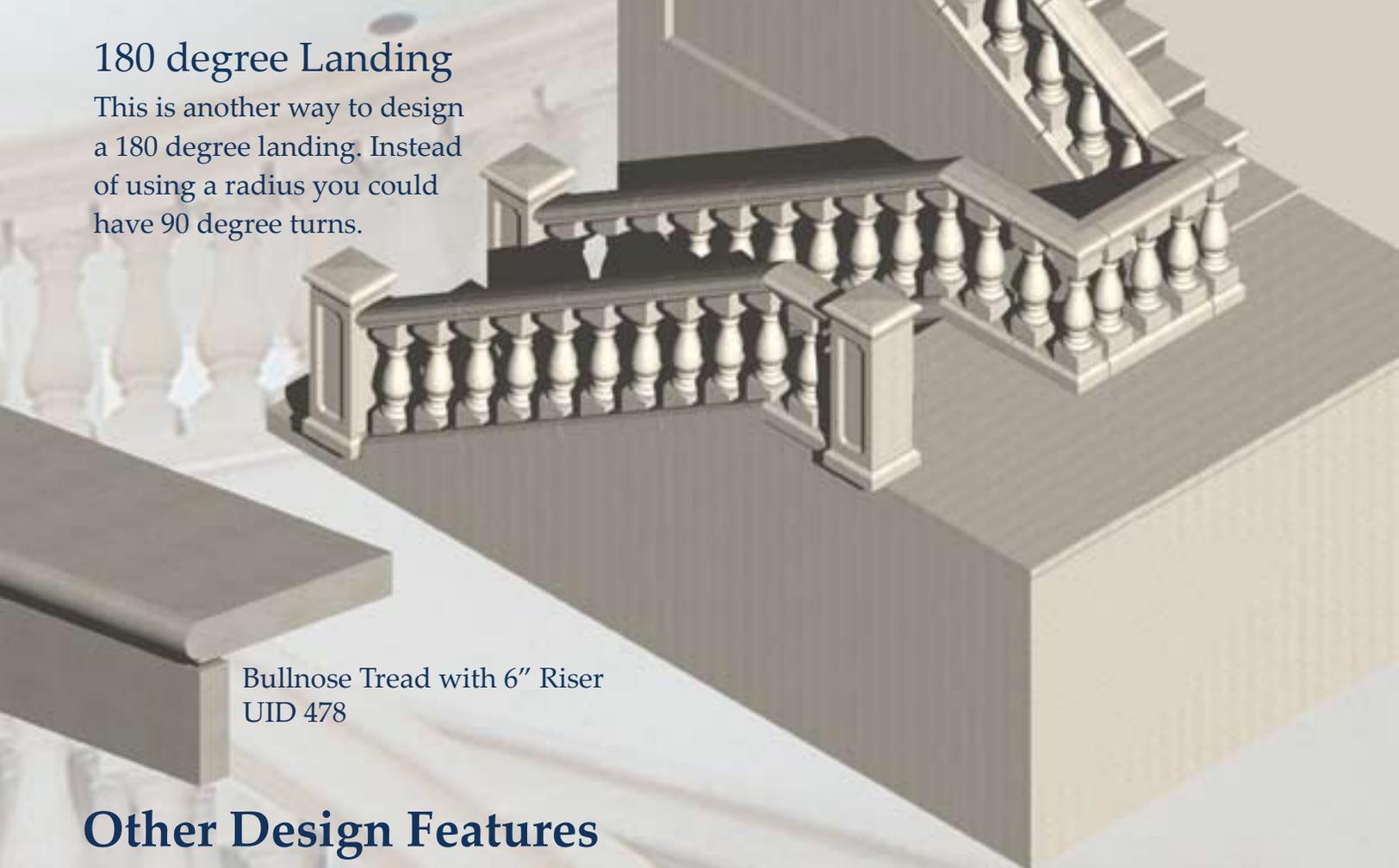
Steeple
 UID 1076



Pineapple
 UID 14386

180 degree Landing

This is another way to design a 180 degree landing. Instead of using a radius you could have 90 degree turns.



Bullnose Tread with 6" Riser
UID 478

Other Design Features

Banding

Banding adds decoration to the lower edge of the stair.



Coped Tread/Riser

The tread and riser can be seen on two sides of the stairs.
UID 17617



Scrolls

Scroll brackets are beautiful additions to any open ended staircase.
UID 20602



Recess Lighting

Recess lighting inserted in the riser is another feature offered to your designs.



Straight Staircase



UID 13735

Oakley1 Ogle1
Chamfer1 StraightStair

By adding a straight staircase to this home they have added an elegance seen throughout history.

The thing to remember when you are ordering a Straight Staircase or a Grade Balustrade is that you are buying the handrail, baluster, and baserail as a unit by the linear foot.

UID 9734

Otterwood1 Extradots1
Chamfer1 StraightStair

By using more balusters the effect created has complimented this house with it's bold lines.



Grade Balustrades

UID 182

Otterwood1 Extrados1
Chamfer1 Grand
Balustrade



There is no limit to what the imagination holds in store for you.

By adding custom designs you can add to the overall look without blocking the natural beauty.

UID 225

Otwell2 Duran1 Cole1
Grand Balustrade

This Balustrade, with its custom radius and inline newel piers, combined together definitely makes a statement to your guests enjoying the view from the terrace.



Newel Piers

Newel Piers consist of three parts: the shaft, cap, and base. We suggest locating newel piers at all corners, tops and bottom of stairs, the end of railings such as openings or against the structure, at 15-20 feet on center for long straight runs.

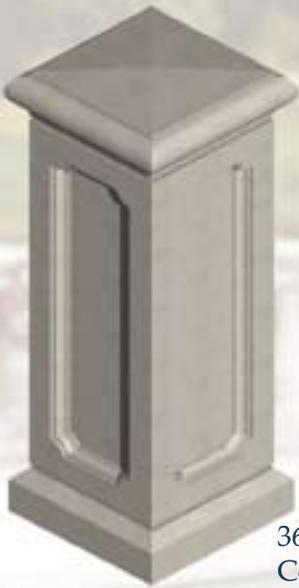


Shown are our standard newel piers with different caps and bases. Only the heights vary to compliment the balustrade family. Therefore, any cap or base may be used with any newel, making customizing easy.



Newel Pier Connections

Choose 306, 270, 180, or 90 degree newel piers, as required by your design. There is also the choice of using Half newel piers to terminate at a wall.



360 Degree Connection



90 Degree Connection



180 Degree Connection



270 Degree Connection



Half Connection

Pass Through Newel Piers

Optional pass through newel piers are shorter than the standard piers. The hand rail aligns with the top of the newel cap.



90 Degree Connection



180 Degree Connection



270 Degree Connection



Half Connection

Balustrades

Balustrade units are dimensionally coordinated designs composed of a baluster, handrail, and baserail. Balustrades are produced in three foot sections, and sold by the linear foot.



(baluster) (handrail) (baserail)
 Otterwood1 Extrados1 Chamfer1
 UID 18384

Balustrade Profile Names

Each balustrade unit can be identified by a profile name. A profile name consists of three names. The baluster gives the first name, then the handrail, and last the baserail.



Kendal1 Extrados1 Chamfer1
 UID 1250



(baluster) (handrail) (baserail)
 Oakley1 Ogle1 Chamfer1
 UID 13735



Jefferson1 Connelly1 Cove1
 UID 17951



Belleville1 Extrados1 Verona1
 UID 20088



(baluster) (handrail) (baserail)
 Noble1 Binelli1 Verona1
 UID 247

Design Options

You may choose to have a different handrail but only if the handrail is the same width or wider than the baluster.



Kinnard1 Connelly1 Cove1
 UID 249

Screens

Our screen units offer a unique look to any installation. Screen units are available in straight runs only and must use newel piers for corners and ends. Shown are custom newel piers, that are sold as their own unit.



UID 1379
Tally



UID 7
Waverly



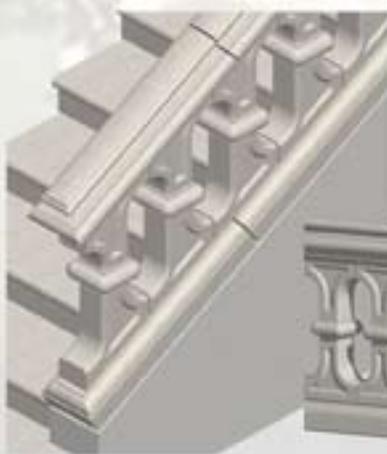
UID 15638
Quatro



UID 16566
Morpheus

Different Look,
Same Parts

Contemporary Concepts



This custom design can be used for either stairs or as a regular balustrade.



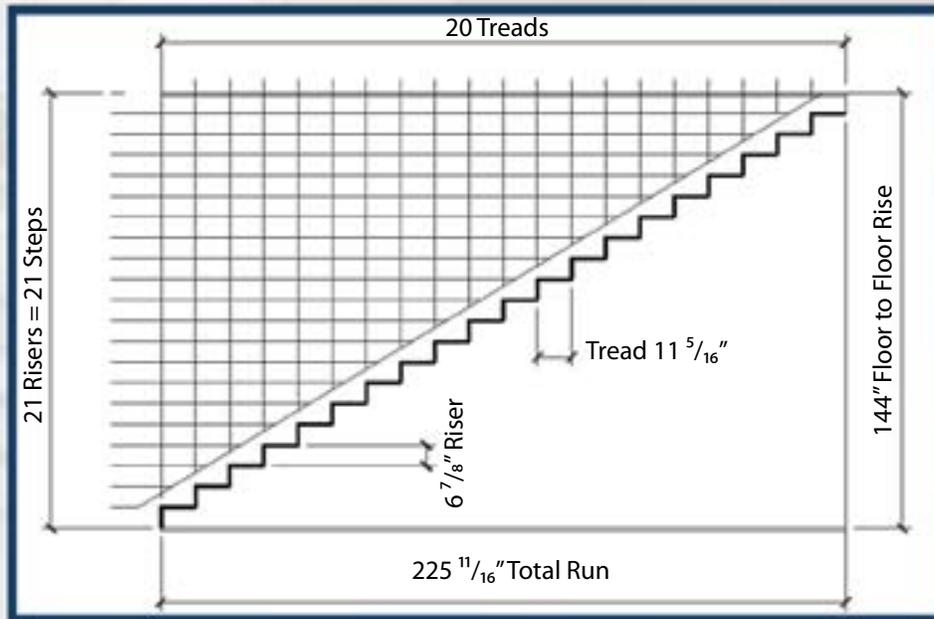
If you can dream it, we can build it.



Calculations

There are four basic formulas to be used to determine the number of steps (tread & riser).

The most practical Riser heights range between 6 and 7-1/2".



①

Number of Steps

(fl) (floor levels) in inches
divided by 6.75"
and rounded to a
full number
=
"ns" (number of steps)

②

Rise Height

(fl) (floor levels) in
inches
divided by
(ns) (number of steps)
=
"rh" (Rise height)

③

Total Depth

25" - (rh x 2)
=
(tl) (Tread length)

④

Total Run of Staircase

Ns (Number of steps)
- 1)
x tl (Tread length)
=
tr (Total Run)

Building Codes

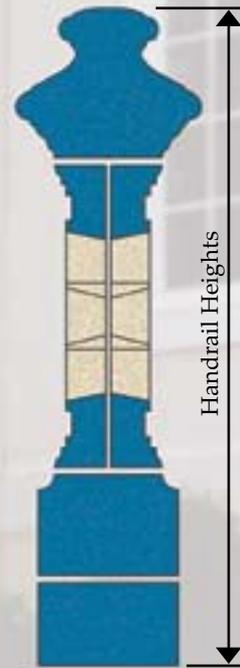
Every City Council abides by one of the many Building Codebooks. It is important to determine which Code your city prescribes to so that your stair-building project will comply.

Some of the most commonly used codes are listed below.

1999 BOCA National Building Code

1999 SBCCI / Standard Building Code

2000 NFPA 101 Life Safety Code: Industrial



Handrail Heights

Building Codes also specify handrail heights for various applications.

Grabbable Handrail

Some building codes require a grabbable handrail for certain applications.

A standard handrail can be used with a cast stone handrail or the Binelli handrail can be used if you want to avoid the additional rail.

Ball Code

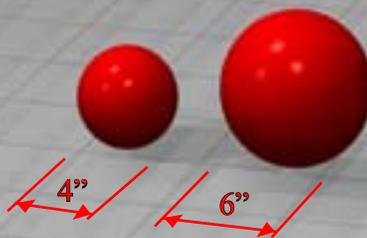
The purpose of a ball code is to prevent falling accidents.

The 4" or 6" delineator refers to the "maximum diameter" of a hypothetical ball used to measure the maximum gap between balusters.

A ball mimics a small child's head. If a child's head can pass through, a chance exists that the child's body can pass through also. Check local building codes for Ball Code requirements pertaining to your specific installation.

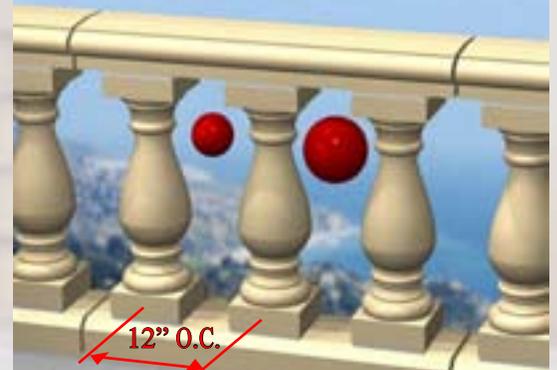
Ball Codes

Local building codes typically require a 4" or 6" Life Safety Ball Code requirement for balustrade installations above ground elevations or where falling hazards exist.



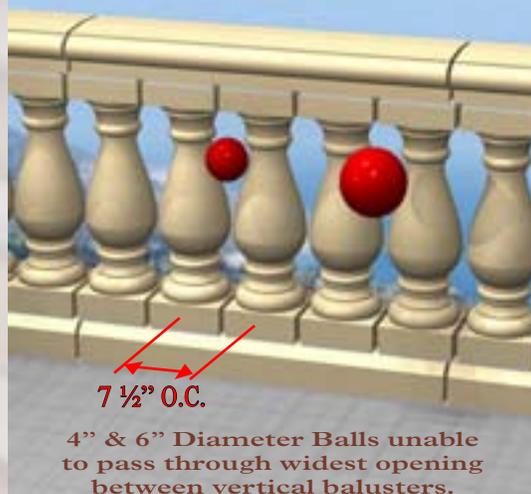
The 4" or 6" Ball Code is designed to prevent a small child from passing between the widest point of a vertical baluster.

Standard Installation



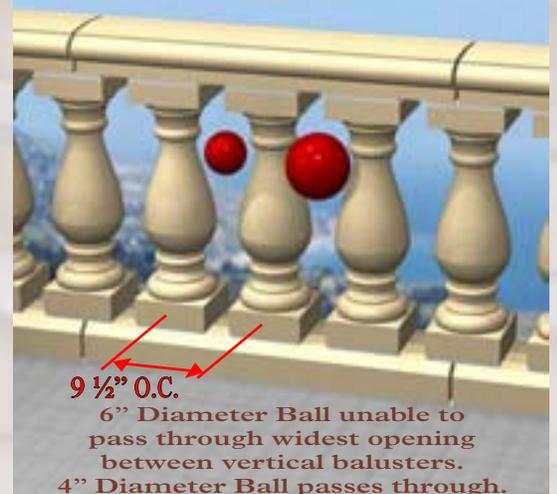
4" & 6" Diameter Balls pass easily through widest opening between vertical balusters.

4" Ball Code



4" & 6" Diameter Balls unable to pass through widest opening between vertical balusters.

6" Ball Code



6" Diameter Ball unable to pass through widest opening between vertical balusters. 4" Diameter Ball passes through.



We recently came upon this polished marble staircase that emanated such a rich and luxurious feel that we just had to admire its artistry. The ornate brasswork accentuated the stone piers, while decorative scroll brackets gave depth to the overall composition. Speak to our experts about your natural cut stone project.



**DeBoulle Jewelry
Dallas, Texas**

Interior cast stone applications are often overlooked when designing projects. Bringing together the elegance of cast stone, with the matching elegance of wrought iron railing, creates an impressive vision.



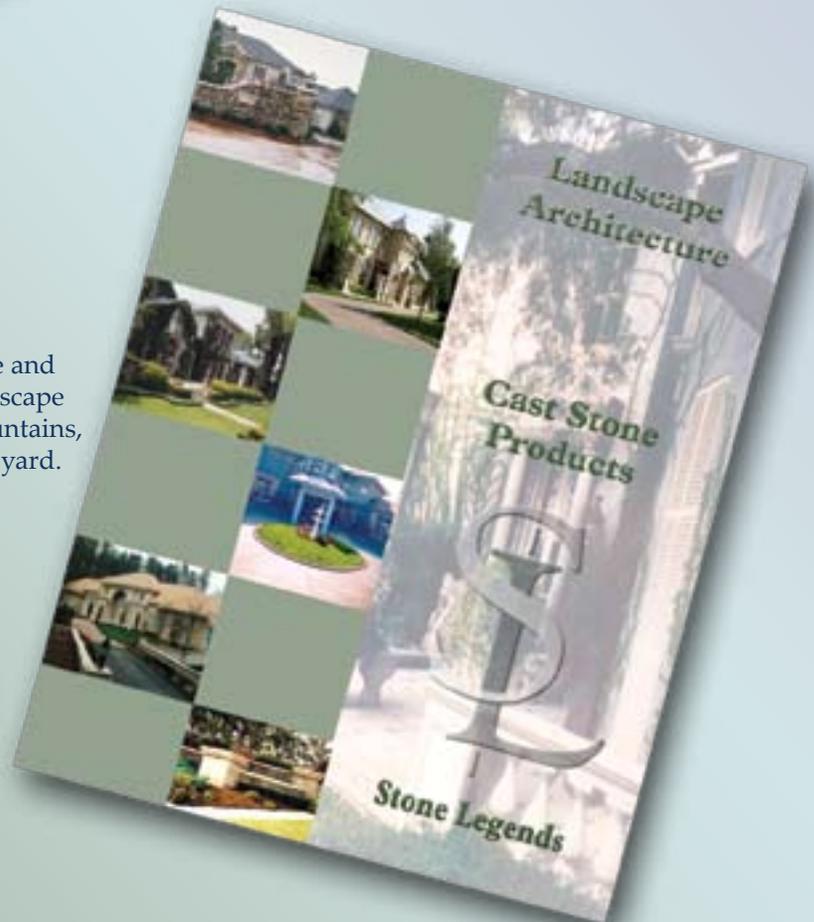


Pool & Patio

The next step in the evolution of your dream home design is the pool and patio area. Along with balustrade and stairs, Stone Legends offers pavers, planters, and even statuary that will enhance the beauty of any home.

Landscape Architecture

Stop worrying about the interior of your home and start wondering what you can do to your landscape with cast stone. See how pavers, wall caps, fountains, and much more can enhance the view of your yard.



A photograph of a staircase with ornate wrought-iron railings. The railings feature decorative scrollwork and a twisted baluster. A large potted plant with broad green leaves is positioned to the left of the stairs. The stairs are light-colored and have a decorative base.

Send Us Your Plans!

Get a complete estimate for your project that includes shipping to your job site.



Stone Legends

301 Pleasant Drive

Dallas, TX 75217

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Fax: (214) 398-1293