Attic Base Replacement

Attic Bases are use in Classical columns with both Fluted and Smooth Shafts
They are used with columns that have the following Stylized Capitals
Doric, Roman Ionic, Scamozzi, Composite, Roman Corinthian,
Temple or Tower of the Winds.

Upper Torus ==========>
Concave Scotia =====>
Lower Torus =====>
Plinth =====>

Material Selection

HARDWOOD is the material of choice for customization. Attic Bases are custom made in 2 parts - the circular Torus and the square Plinth. For exterior applications select from Pine, Cedar, White Oak, or Fir. Wood allows for customization of every part. Like all hardwood architectural products, the bases are made from solid wood staves joined with exterior grade glue. The wood staves are kiln dried as per the NHLA standards to 6 to 8% moisture content. Wood stave construction, used for 200 years, is far stronger than solid wood which ends up cracking.

Replacement Issues:

You may need to replace a base and/or part of the column's shaft due to water or insect damage or just age. It is important that the plinth reside on a level surface be it concrete or a wood deck. The hardwood bases are subject to both fixed load from the column shaft and additional static loads from snow and ice. It is important that the base sit on a level surface. If the substrate is angled due to ground shifting, it will put excessive pressure on one side of the wood plinth's staves which could result in cracking over time. If the plinth sits on concrete as per the national building code, there should be a sheet of poly between the wood (an acid) and the concrete (an alkaline). Wood always wants to be a tree again and absorbs the lime moisture from the concrete resulting in rotting over time. If the rot of the base has infected the column's shaft, we can make a portion of the shaft only without replacing the entire shaft. We suggest locating the rot extent line and replacing 1 foot more above that line. All wood bases should be treated with preservatives visit Imperialcolumns.com

NON WOOD Attic Bases are made from molds and are hollow to wrap the column shaft or a load bearing plug that holds the weight of the shaft. There is customization available. All can be ordered split for wrap.
a) ArchPolymer™ is a high density polyurethane lite weight rot water & insect resistant. Not Load Bearing, both Torus and Plinth are integrated
b) GFRC-ZeamentTM is the material of choice; a composite of Portland Cement & Polymers with a smooth finish. This is the superior replacement for commerial and high end residential projects. The Torus is hollow to wrap and the Plinth is solid to hold load. Both parts are separate.

Imperial Productions® 1-800-399-7585 +1-416-264-6096
Imperial Productions & Distribution Inc
email sales@imperialproductions.com

Attic Base Replacement

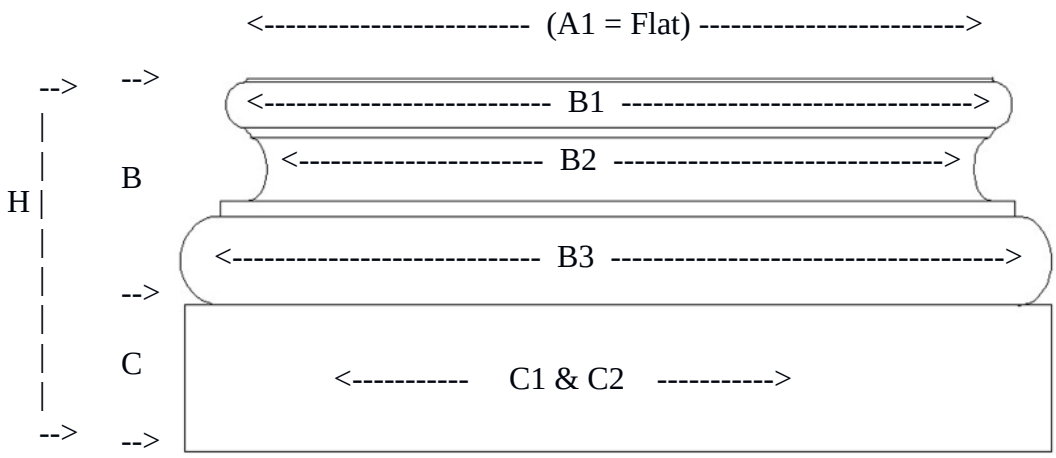
TAG _____

SC

Existing Column Shaft Bottom Circumference that touches the top of the base. The easiest way to measure any round portion is to take a string tape it to one end and go around the circle. The length of the string is the circumference.

Column Bottom Shaft Circumference = _____ (SC)

(SC) / Pi (3.14) = Bottom Shaft Diameter _____ (SD)



SC) Column Shaft Circumference _____ or Diameter _____

A1) Top Flat where Shaft sits on Circumference _____ or Diameter _____

Round Section Torus
B) Total Height: _____

(B1) Height _____ Diameter _____

(B2) Height _____ Diameter _____

(B3) Height _____ Diameter _____

SQUARE PLINTH: * Note: GFRC-ZeamentTM Holds Load

C) Height _____ C1) width _____ C2) Depth_____

H) Total Height of all parts _____

Quantity: _____ Whole

Quantity: _____ Split for 1/2 column

Material Input # _____

<u>Hardwood - Solid</u>
1) White Pine
2) Douglas Fir
3) Western Red Cedar
4) White Oak (best)

<u>Non Wood - Hollow</u>
5) ArchPolymer™
6) GFRC Zeament™

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SEP-25

Attic Base & Part of Shaft Replacement

TAG _____

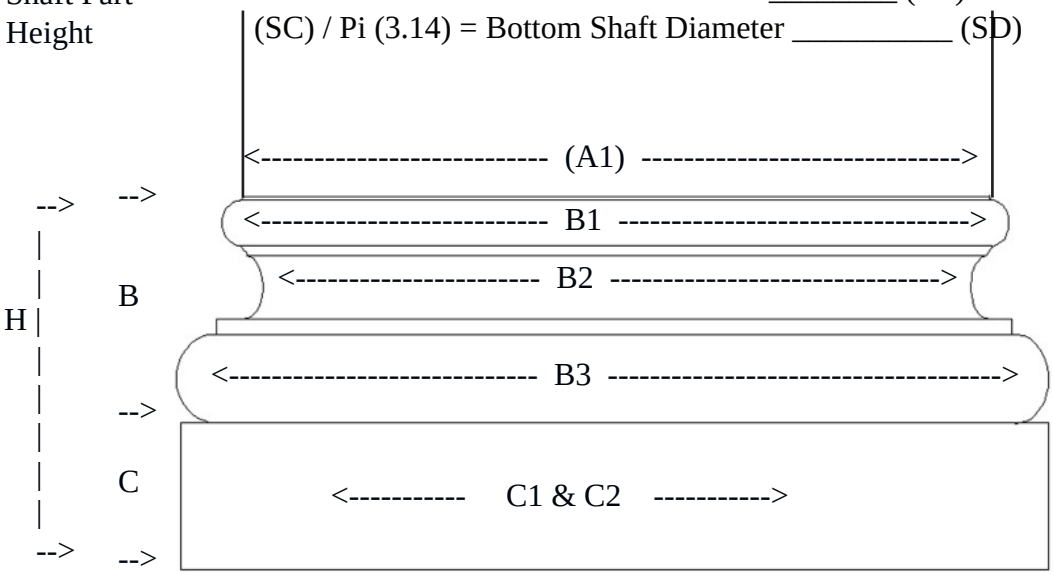
Rather than replacing the entire column we can fabricate part of the shaft plus a new load bearing Attic Base

Load Bearing 3 parts

G) Column Shaft Part Height

Column Bottom Shaft Circumference = _____ (SC)

(SC) / Pi (3.14) = Bottom Shaft Diameter _____ (SD)



H

B

C

Materials:
Input #

_____

1) Pine
2) Douglas Fir
3) Western Red Cedar
4) White Oak

Hollow Non Wood
5) ArchPolymer™
6) FRP-PolyComp™

SD) Bottom of Shaft Diameter _____ G) Shaft Height Replacement _____

A1) Top Flat Diameter where Shaft sits on _____

Round Section Torus
B) Total Height: _____

(B1) Height _____ Diameter _____

(B2) Height _____ Diameter _____

(B3) Height _____ Diameter _____

Square Plinth C) Height _____

C1) width _____ C2) Depth_____

H) Total Height of all parts _____

Quantity: _____
Whole

Quantity: _____
Split for 1/2 column

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