Instant Wall *Infill* Geometry created on top of wall, between or on top of pilasters, or between posts

Infill Types

INFILL
Type: Solid
Top: 3'
Bottom: 4"
Thickness / Diameter: 2"

INFILL
Type: Vertical Boards

INFILL
Type: Horizontal Boards

INFILL
Type: Vertical Pipes

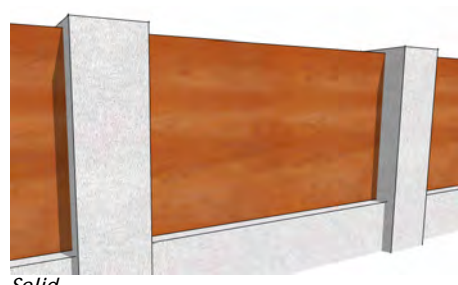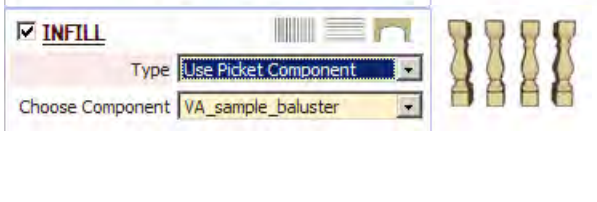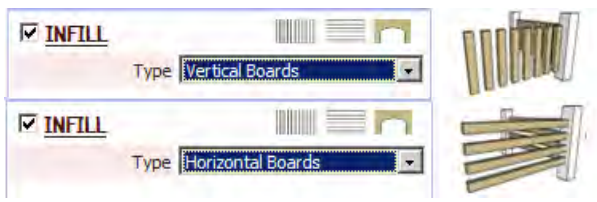**INFILL**
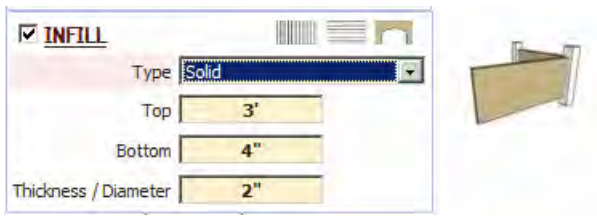Type: Horizontal Pipes

INFILL
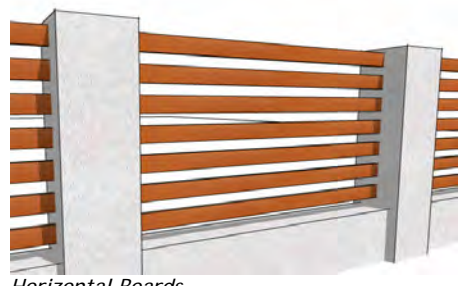Type: Baluster1

INFILL
Type: Baluster2

INFILL
Type: Baluster3

INFILL
Type: Baluster4

INFILL
Type: Wrought Iron Picket 1

INFILL
Type: Wrought Iron Picket 2

INFILL
Type: Arch-Elliptical

INFILL
Type: Arch-Pointed

INFILL
Type: Arch-Segmental

INFILL
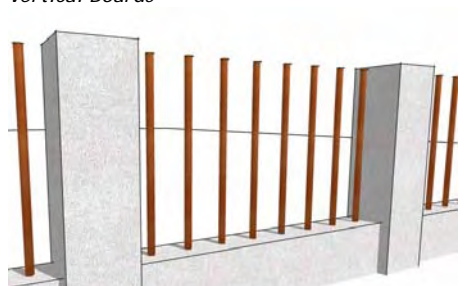Type: Use Picket Component
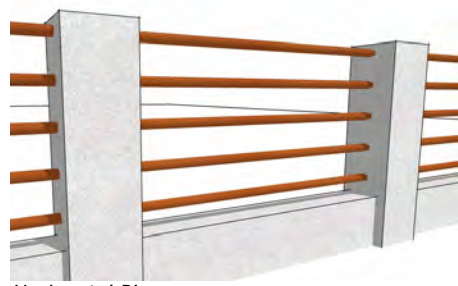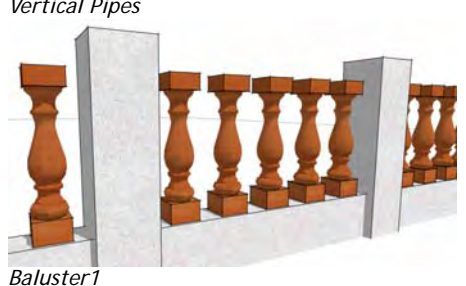Choose Component: VA_sample_baluster
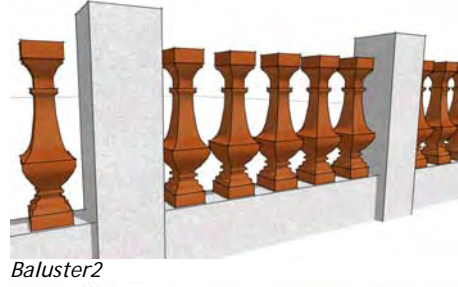
Solid
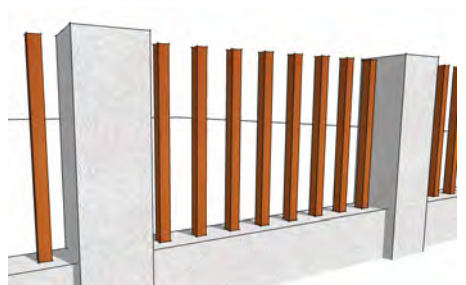
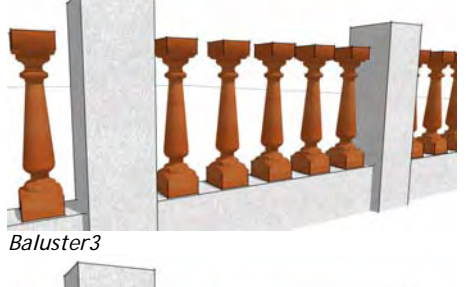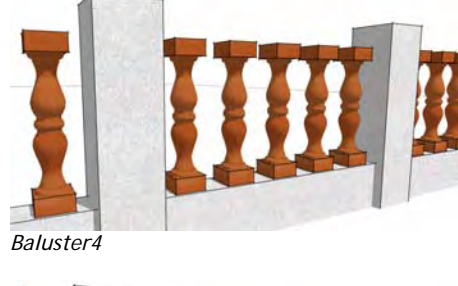*Vertical Boards*

Horizontal Boards
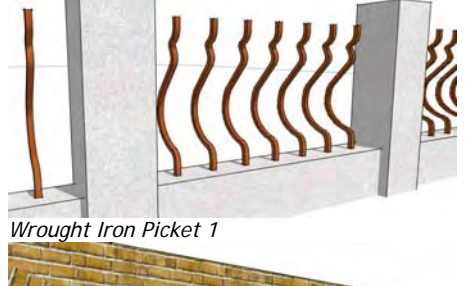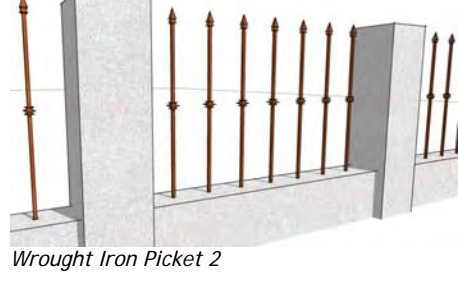
Vertical Pipes

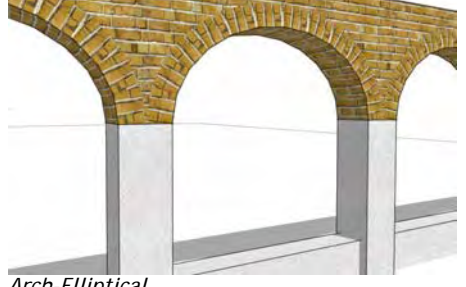*Horizontal Pipes*

Baluster1

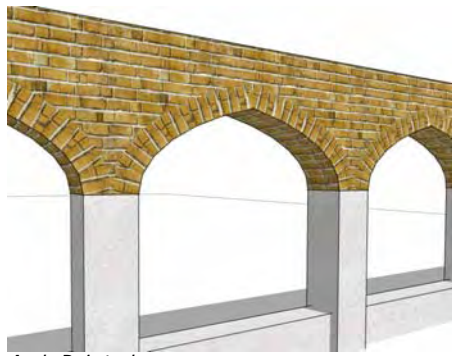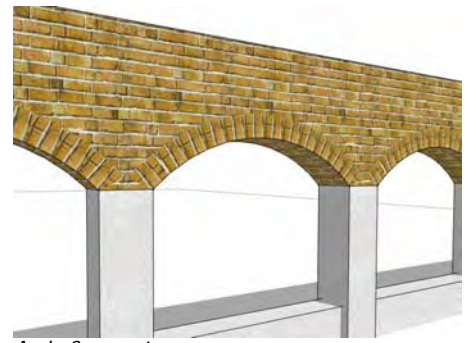*Baluster2*

Baluster3

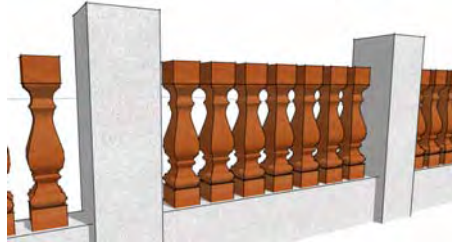*Baluster4*

Wrought Iron Picket 1

Wrought Iron Picket 2

Arch-Elliptical

Arch-Pointed

Arch_Segment
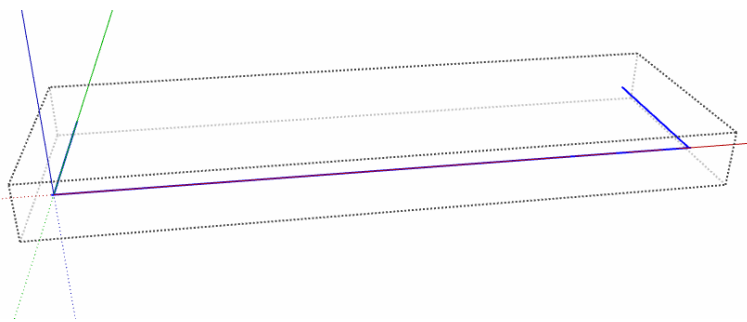

Use Picket Component
VA_sample_baluster

1. For this example I created a picket component.

2. I made a balcony outline and enclosed it in a group.

3. I set the following parameters

MISC PARAMETERS

- ◉ Slope   ○ Step
- Drop to Terrain? ○ Yes ◉ No ○ End Pts
- Extend Bottom? ○ Yes ◉ No
- Shorten Segments? ◉ Yes ○ No
- Max Length   10'
- Pilaster Rotation Align with Wall
- Datum for Infill ○ Pilaster ○ Wall ◉ Grade

☐ **WALL**

☑ **PILASTERS**
- Type Square
- Height   8'
- Width   6"
- ☐ PLINTH
- ☐ CAPITAL
- ☐ PAIRED

☐ **POSTS**

☑ **RAILS**
- Type Rectangular ~
- Number of Rails   2
- Width / Diameter   4"
- Vertical Thickness: 3"
- Top Rail Height   3'
- Bottom Rail Height   7"
- Rail Continuity ◉ Warp ~ ○ Allow Breaks

☑ **INFILL**
- Type Use Picket Component
- Choose Component Balcony Picket
- Bottom   7"
- Spacing   6"
- Layout Between Pilasters
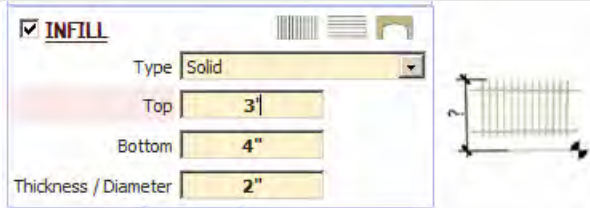
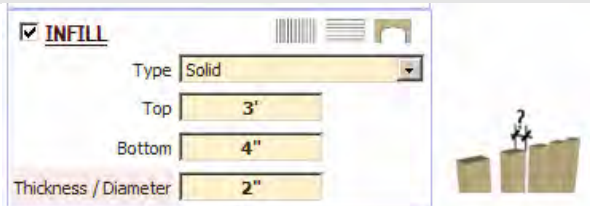**4. Here is the output:**
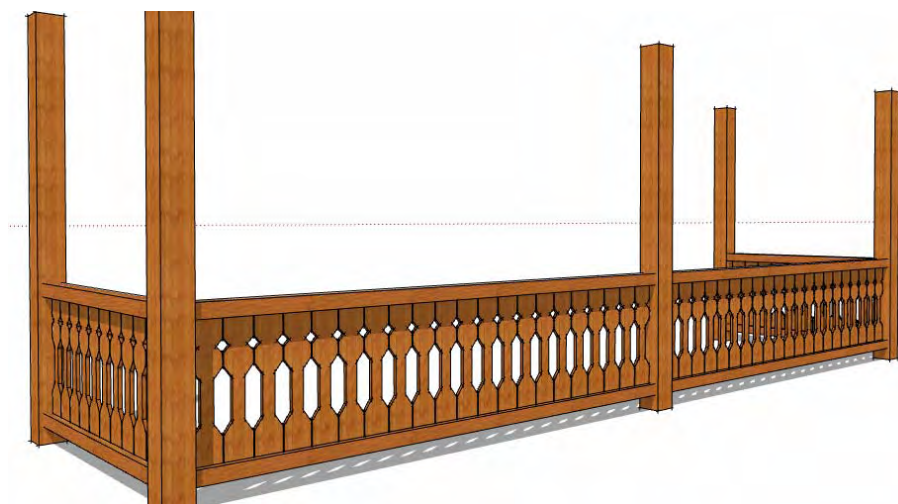
Infill Parameters

Top *Relative to 'Datum for Infill" setting under 'Misc Paramters'*

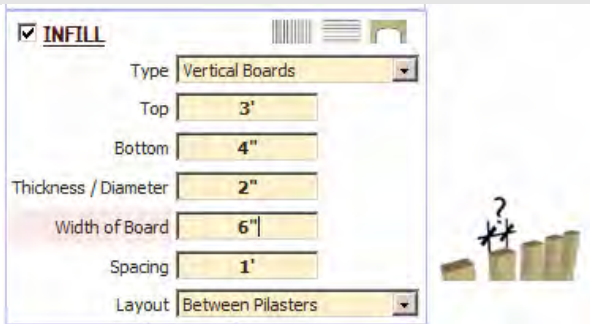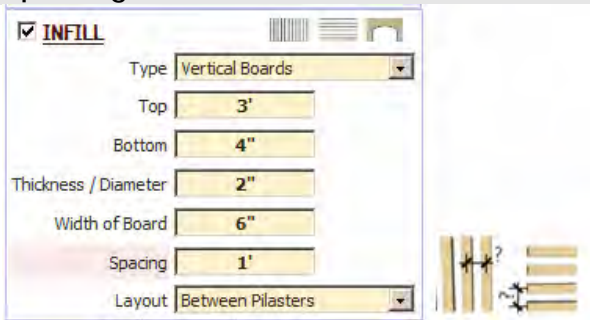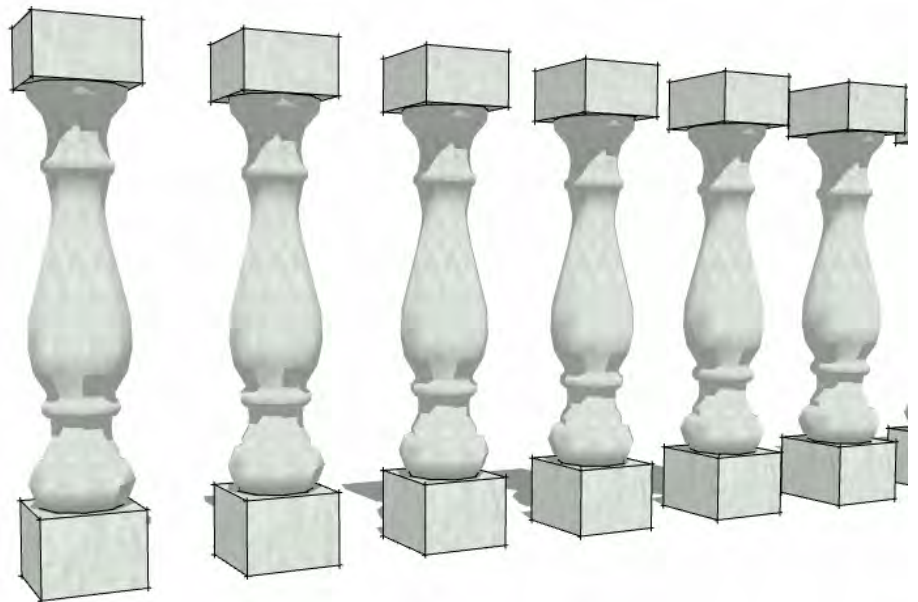## Botttom *Relative to 'Datum for Infill" setting under 'Misc Paramters'*

Thickness / Diameter

Example: Baluster-1 profile, Thinkness / Diameter= 6"

Width of Board

Spacing

Example: Baluster-1 profile, Thinkness / Diameter= 2"
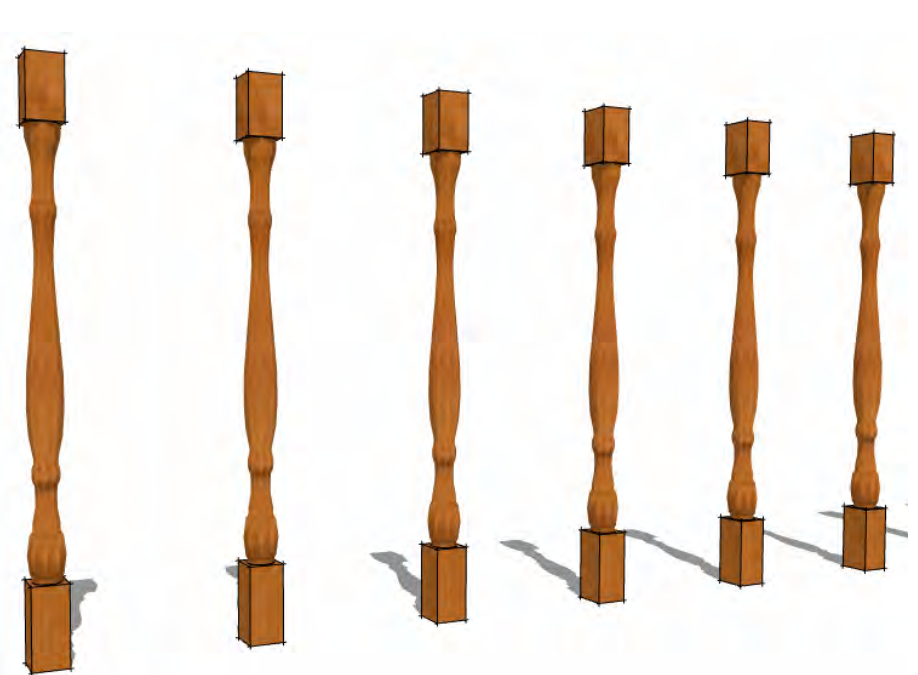
Layout

☑ **INFILL**

Type	Vertical Boards
Top	3'
Bottom	4"
Thickness / Diameter	2"
Width of Board	6"
Spacing	1'
Layout	Between Pilasters

☑ **INFILL**

Type	Vertical Boards
Top	3'
Bottom	4"
Thickness / Diameter	2"
Width of Board	6"
Spacing	1'
Layout	Ignore Posts and Pilasters
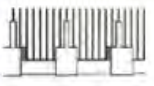
☑ **INFILL**

Type	Vertical Boards
Top	3'
Bottom	4"
Thickness / Diameter	2"
Width of Board	6"
Spacing	1'
Layout	Between Posts

Pier Width *For Arches*

☑ **INFILL**

Type	Arch-Elliptical
Top	3'
Bottom	4"
Thickness / Diameter	2"
Pier Width	6"
Rise	1'
Spring Line Height	2'

Rise *For Elliptical and Pointed Arches*

☑ **INFILL**

Type	Arch-Elliptical
Top	3'
Bottom	4"
Thickness / Diameter	2"
Pier Width	6"
Rise	1'
Spring Line Height	2'

Spring Line Height *For Arches*

INFILL	
Type	Arch-Elliptical
Top	3'
Bottom	4"
Thickness / Diameter	2"
Pier Width	6"
Rise	1'
Spring Line Height	2'
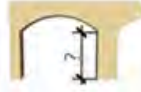
Subtended Angle *For Segmented and Round Arches*

INFILL	
Type	Arch-Segmental
Top	3'
Bottom	4"
Thickness / Diameter	2"
Pier Width	6"
Subtend Angle(deg)	90
Spring Line Height	2'