

Instant Wall Misc Parameters

The script takes a selected group as input. The group must contain a line or series of connected lines which may form at most a single closed loop. The script locates arch-spacing, pilasters, steps and/or fence posts at each line break. The number of line breaks may be increased by selecting the 'Shorten Segments' or 'Add Steps' parameters.

Slope / Step All styles can be modeled as sloped or stepped.

----- STYLE PARAMETERS -----

MISC PARAMETERS

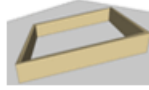
Slope Step

Drop to Terrain? [Yes No End Pts

Extend Bottom? [Yes No

Shorten Segments? [Yes No

Max Length



MISC PARAMETERS

Slope Step

Step Increment

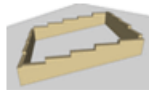
Add Steps? [Yes No

Drop to Terrain? [Yes No End Pts

Extend Bottom? [Yes No

Shorten Segments? [Yes No

Max Length



MISC PARAMETERS

Slope Step

Step Increment

Add Steps? [Yes No



Add Steps Attempts to add as many steps as possible based on the "Step Increment" parameter

MISC PARAMETERS

Slope Step

Step Increment

Add Steps? [Yes No

Drop to Terrain? [Yes No End Pts



MISC PARAMETERS

Slope Step

Step Increment

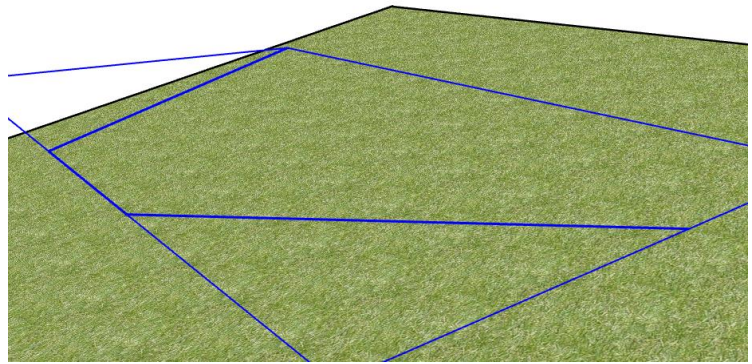
Add Steps? [Yes No

Drop to Terrain? [Yes No End Pts



Drop to Terrain *Sets elevation for bottom of wall and pilasters*

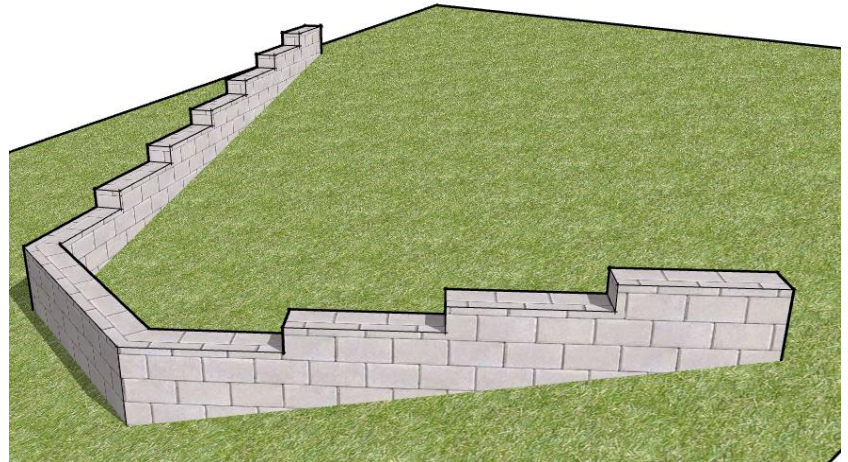
For the next 5 model images I started with a group enclosing 3 connected lines suspended over a sloped terrain.



Set bottom of pilasters at terrain elevation.

MISC PARAMETERS

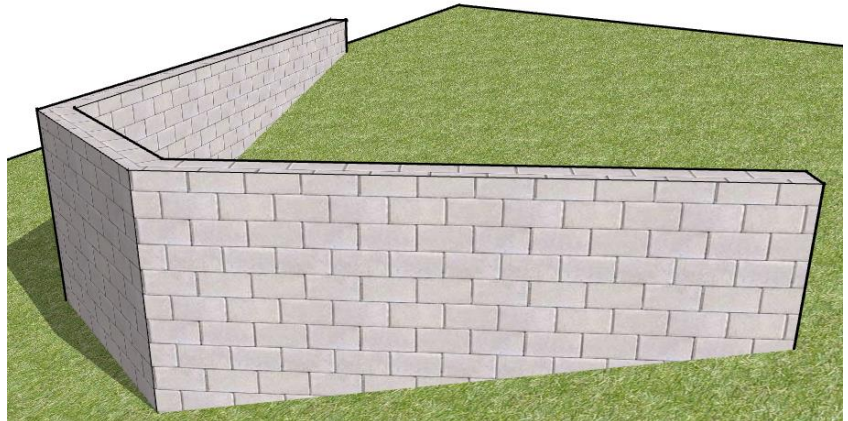
- Slope Step
- Step Increment
- Add Steps? Yes No
- Drop to Terrain? Yes No End Pts
- Extend Bottom? Yes No
- Additional Depth
- Shorten Segments? Yes No



Set bottom of pilasters or wall breaks at input curve elevation

MISC PARAMETERS

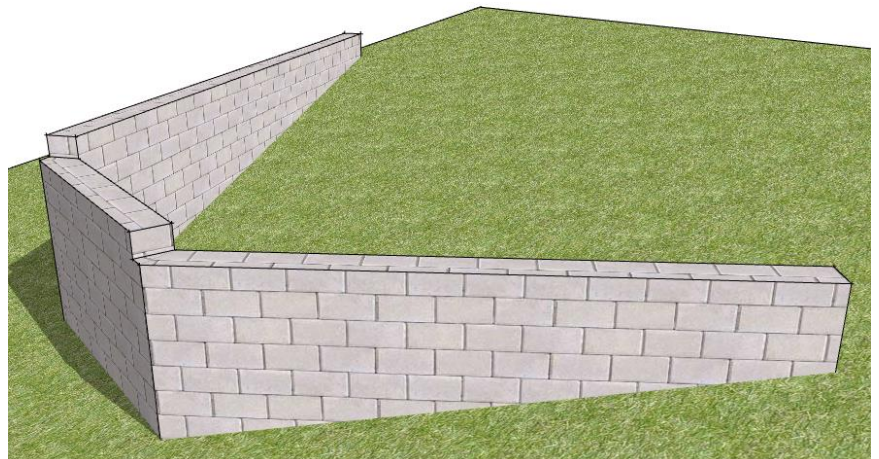
- Slope Step
- Step Increment
- Add Steps? Yes No
- Drop to Terrain? Yes No End Pts
- Extend Bottom? Yes No
- Additional Depth
- Shorten Segments? Yes No



For retaining walls. Sets beginning and end of wall at terrain and interpolates a flat slope between them

MISC PARAMETERS

- Slope Step
- Step Increment
- Add Steps? Yes No
- Drop to Terrain? Yes No End Pts
- Extend Bottom? Yes No
- Additional Depth
- Shorten Segments? Yes No



Extend Bottom *Option to add depth to wall and pilasters. Required for retaining walls. Often useful for other sloped conditions.*

MISC PARAMETERS

Slope Step

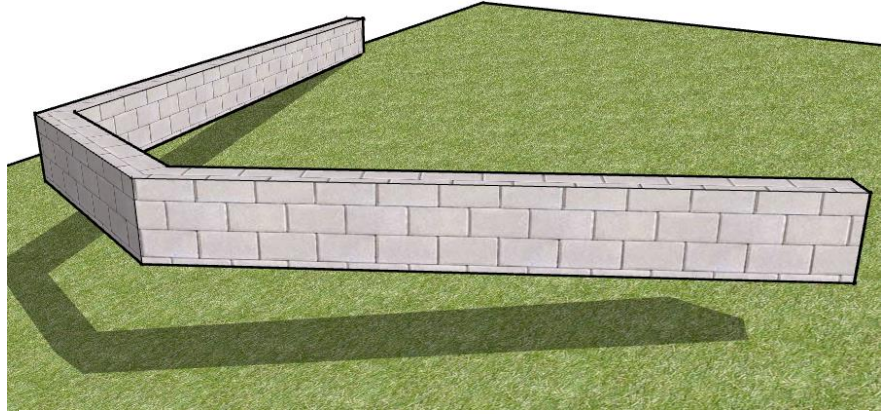
Step Increment:

Add Steps?: Yes No

Drop to Terrain?: Yes No End Pts

Extend Bottom?: Yes No

Shorten Segments?: Yes No



MISC PARAMETERS

Slope Step

Step Increment:

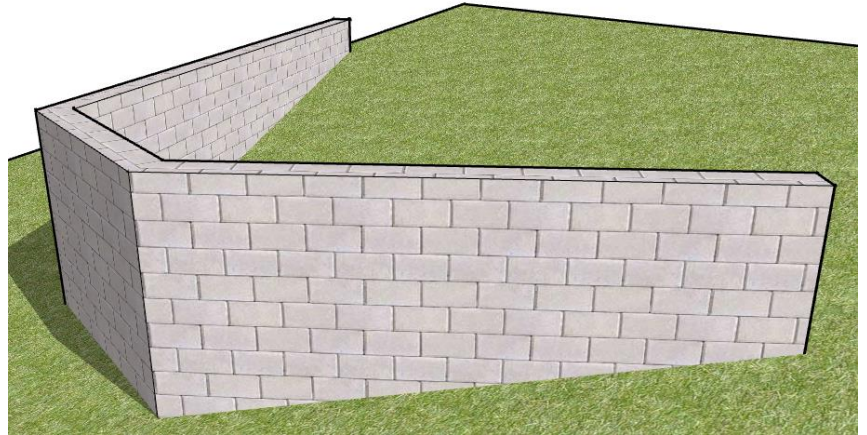
Add Steps?: Yes No

Drop to Terrain?: Yes No End Pts

Extend Bottom?: Yes No

Additional Depth:

Shorten Segments?: Yes No



Additional Depth

Extend Bottom?: Yes No

Additional Depth:

Shorten Segments?: Yes No



Shorten Segments *Adds intermediate wall breaks and pilasters between and in addition to the breaks in the input curve*

MISC PARAMETERS

Slope Step

Step Increment:

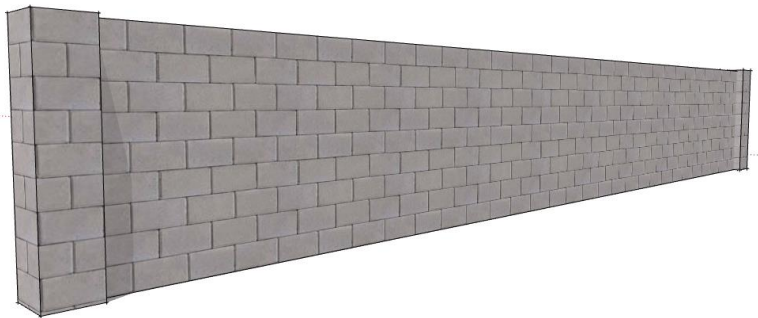
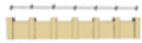
Drop to Terrain?: Yes No End Pts

Extend Bottom?: Yes No

Shorten Segments?: Yes No

Max Length:

Pilaster Rotation:



MISC PARAMETERS

Slope Step

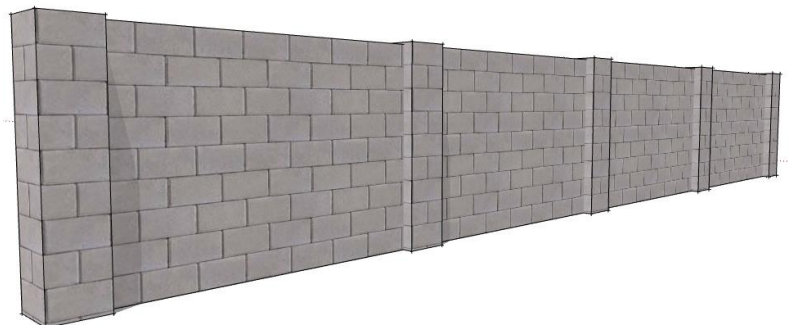
Step Increment:

Drop to Terrain?: Yes No End Pts

Extend Bottom?: Yes No

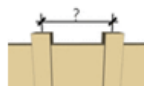
Shorten Segments?: Yes No

Pilaster Rotation:

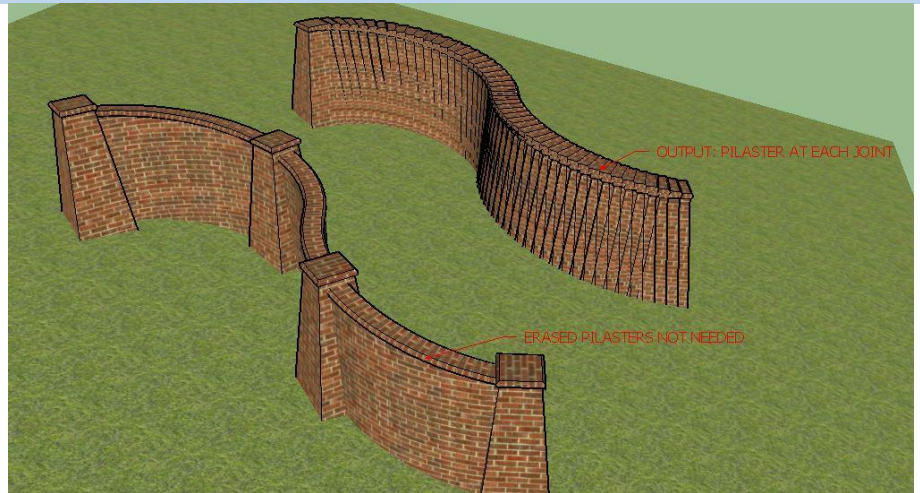


Shorten Segments?: Yes No

Max Length:



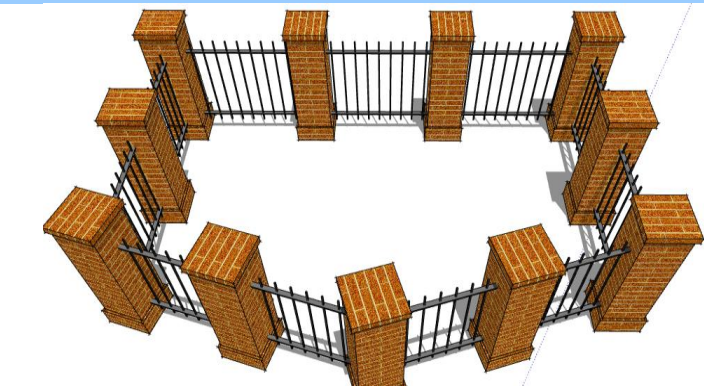
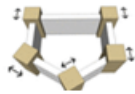
Pilaster Locations *Pilasters are placed at each break in the input curve plus intermediate points if Shorten Segments is selected. If this results in more pilasters than desired, simply erase the extra ones.*



Pilaster Rotation *Several options for pilaster rotations.*

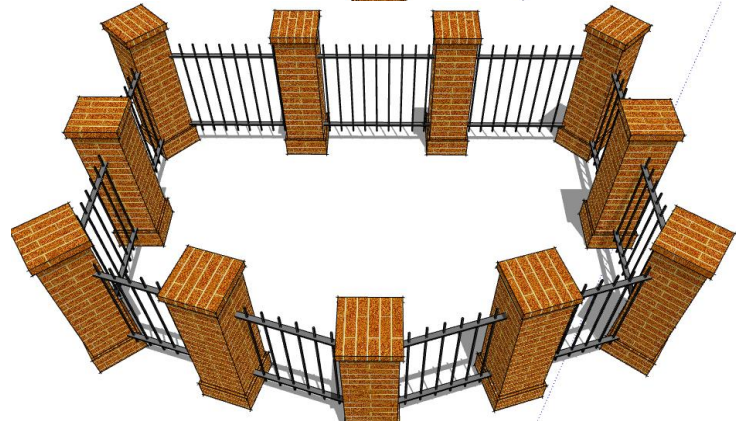
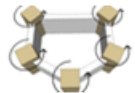
MISC PARAMETERS

Slope Step
 Drop to Terrain? Yes No End Pts
 Extend Bottom? Yes No
 Shorten Segments? Yes No
 Pilaster Rotation: **Align with Wall**
 Datum for Infill Pilaster Wall Grade



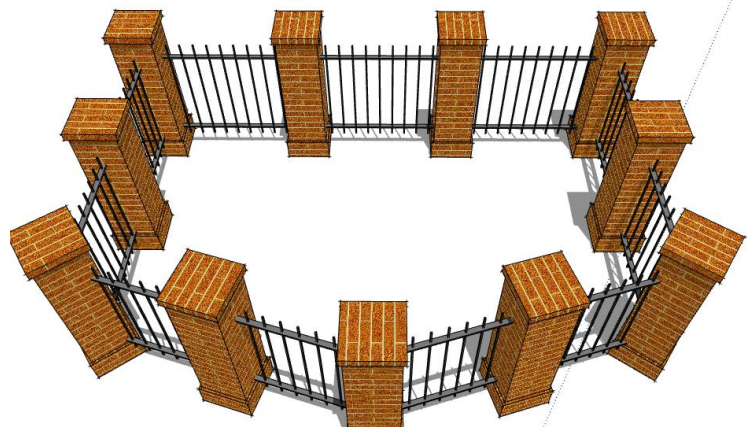
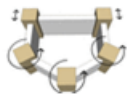
MISC PARAMETERS

Slope Step
 Drop to Terrain? Yes No End Pts
 Extend Bottom? Yes No
 Shorten Segments? Yes No
 Pilaster Rotation: **Align with Miters**
 Datum for Infill Pilaster Wall Grade



MISC PARAMETERS

Slope Step
 Drop to Terrain? Yes No End Pts
 Extend Bottom? Yes No
 Shorten Segments? Yes No
 Pilaster Rotation: **with Miters except 90 Deg**
 Datum for Infill Pilaster Wall Grade



MISC PARAMETERS

Slope Step

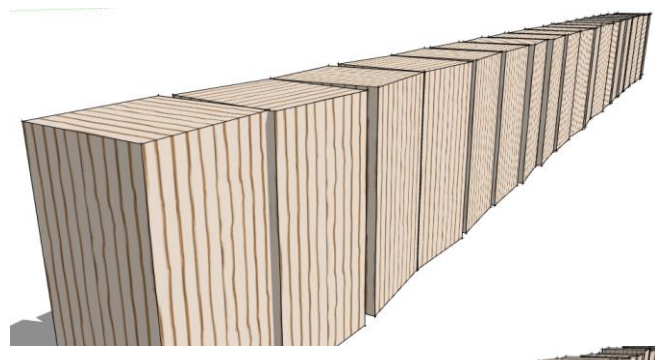
Drop to Terrain? Yes No End Pts

Extend Bottom? Yes No

Shorten Segments? Yes No

Pilaster Rotation: **Wiggle Rotation**

Datum for Infill Pilaster Wall Grade



MISC PARAMETERS

Slope Step

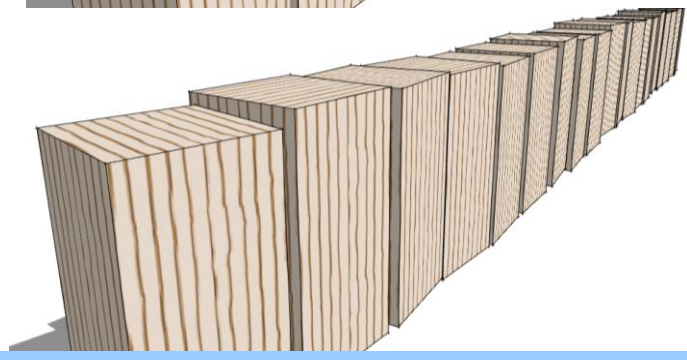
Drop to Terrain? Yes No End Pts

Extend Bottom? Yes No

Shorten Segments? Yes No

Max Length: **1' 1"**

Pilaster Rotation: **Wiggle Rotation and Height**



Datum for Infill Sets baseline height for added posts, rails and infill panels.

MISC PARAMETERS

Slope Step

Drop to Terrain? Yes No End Pts

Extend Bottom? Yes No

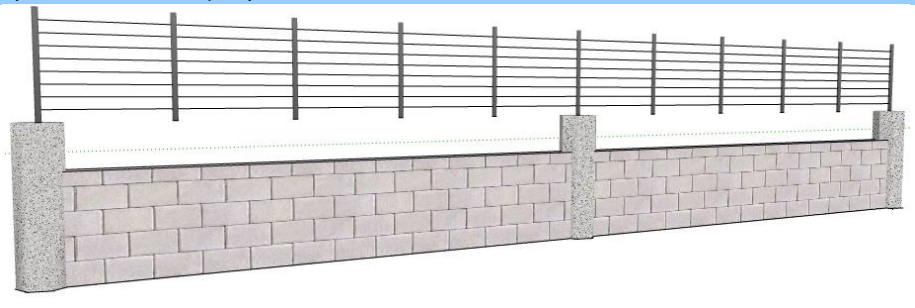
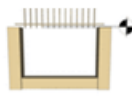
Shorten Segments? Yes No

Max Length: **16'**

Circle Precision: **7**

Pilaster Rotation: **Align with Wall**

Datum for Infill Pilaster Wall Grade



MISC PARAMETERS

Slope Step

Drop to Terrain? Yes No End Pts

Extend Bottom? Yes No

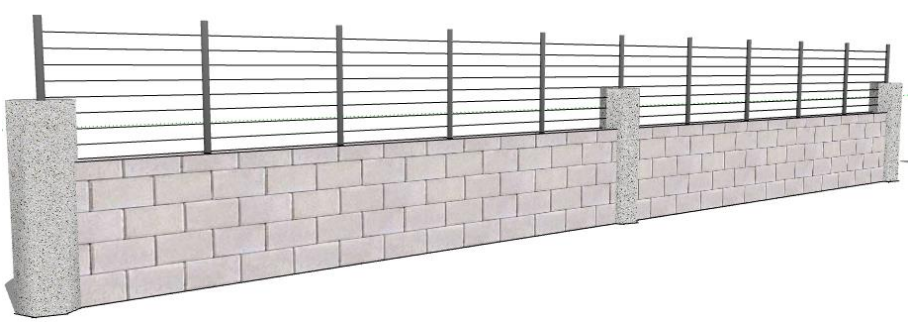
Shorten Segments? Yes No

Max Length: **16'**

Circle Precision: **7**

Pilaster Rotation: **Align with Wall**

Datum for Infill Pilaster Wall Grade



MISC PARAMETERS

Slope Step

Drop to Terrain? Yes No End Pts

Extend Bottom? Yes No

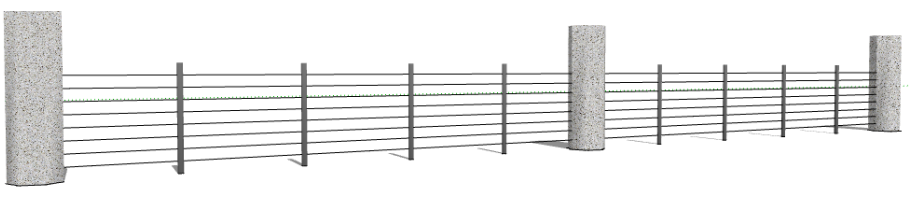
Shorten Segments? Yes No

Max Length: **16'**

Circle Precision: **7**

Pilaster Rotation: **Align with Wall**

Datum for Infill Pilaster Wall Grade



Arch Precision Number of arch segments

Arch Precision

VOUSSOIRS



Circle Precision *Number of circle segments for round posts, pilasters, rails, etc.*

Circle Precision



Vousoir Parameters

MISC. PARAMETERS

Slope Step

Drop to Terrain? Yes No End Pts

Extend Bottom? Yes No

Shorten Segments? Yes No

Max Length

Circle Precision

Pilaster Rotation

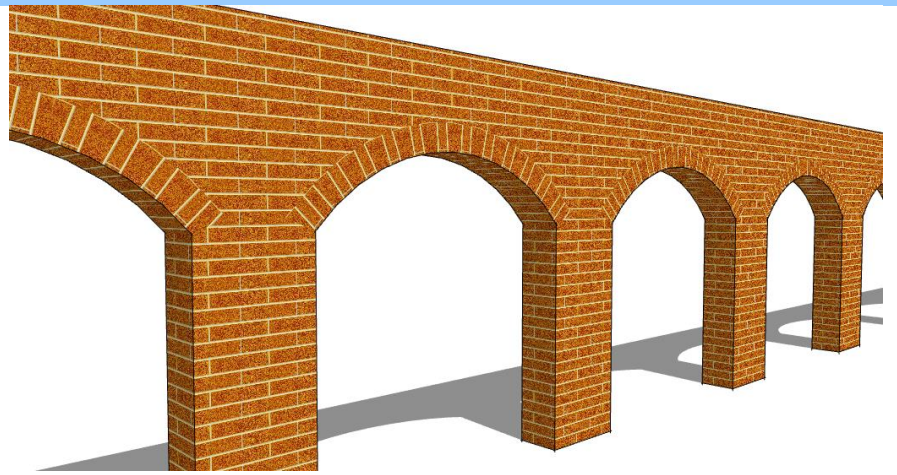
Datum for Infill Pilaster Wall Grade

VOUSSOIRS

Vousoir Depth



Vousoir Surface



MISC. PARAMETERS

Slope Step

Drop to Terrain? Yes No End Pts

Extend Bottom? Yes No

Shorten Segments? Yes No

Max Length

Arch Precision

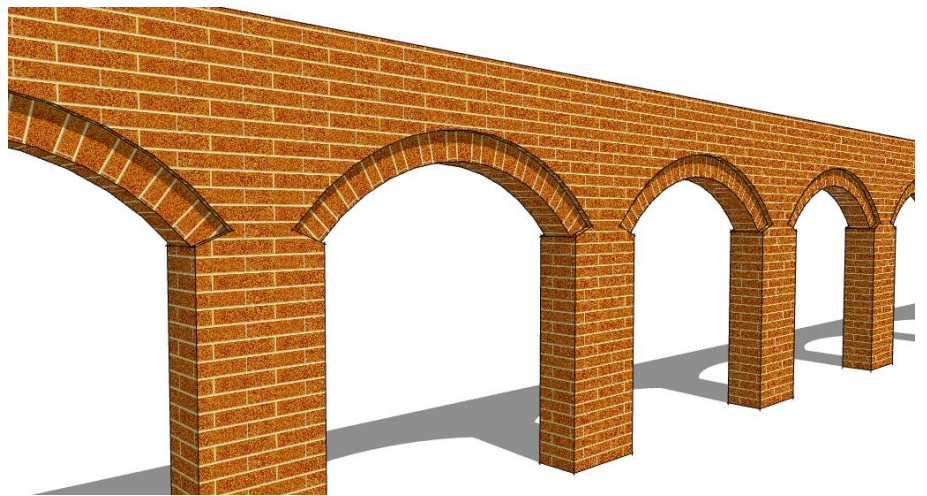
VOUSSOIRS

Vousoir Depth



Vousoir Surface

Reveal



MISC PARAMETERS

Slope Step

Drop to Terrain? Yes No End Pts

Extend Bottom? Yes No

Shorten Segments? Yes No

Max Length

Arch Precision

VOUSSOIRS 

Voussoir Depth

Voussoir Surface

Reveal



VOUSSOIRS 

Voussoir Depth

Voussoir Surface

Reveal



VOUSSOIRS 

Voussoir Depth

Voussoir Surface

Reveal

