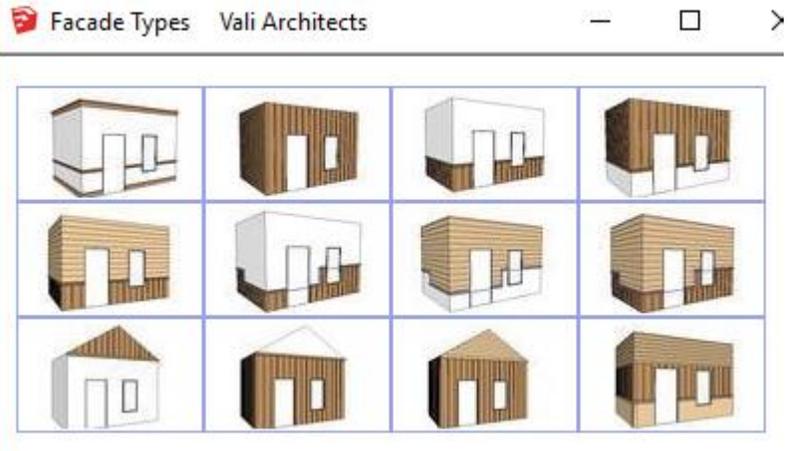
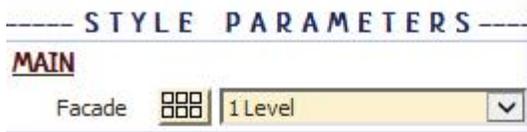


Instant Cladding Parameters

Most of the menu items are accompanied by an image to identify the function. Units for this tutorial are shown in inches, but any units that Sketchup supports including Metric or Architectural may be used.

Facade There are several types of façade. Click the  icon to display the image gallery.



Level 1 Datum If there is a wainscot, chair rail or 2 levels of cladding is chosen, set the datum to use for determining the 2nd level height. May be from bottom of wall or from elevation 0.0 in your model.

Set Level 1 From	<input type="text" value="Lowest Bottom of Wall"/>		Height 1	<input type="text" value="3'"/>	
Set Level 1 From	<input type="text" value="Highest Bottom of Wall"/>		Height 1	<input type="text" value="3'"/>	
Set Level 1 From	<input type="text" value="Elevation Call Out"/>		Elevation 1	<input type="text" value="3' 4''"/>	

Level 2 Datum If there is a wainscot, chair rail or 2 levels of cladding is chosen, set the datum to use for determining the 2nd level height. May be from bottom of wall, top of level 1, elevation 0.0 in your model, or top of wall (for crown moulding only)

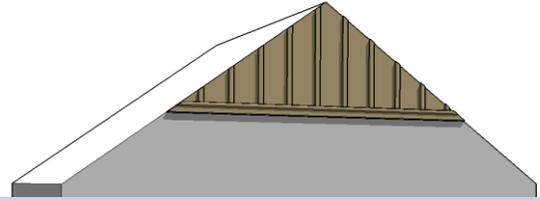
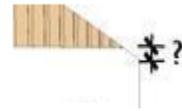
Set Level 2	<input type="text" value="Lowest Bottom of Wall"/>		Height 2	<input type="text" value="10'"/>	
Set Level 2	<input type="text" value="Highest Bottom of Wall"/>		Height 2	<input type="text" value="10'"/>	
Set Level 2	<input type="text" value="Distance above Level 1"/>		Height 2	<input type="text" value="10'"/>	
Set Level 2	<input type="text" value="Elevation Call Out"/>		Elevation 2	<input type="text" value="20' 10''"/>	

Set Level 2



Adjust Gable Height *If gable cladding or gable moulding is chosen, the height can be adjusted upward from the bottom of the gable.*

Adjust Gable Height



Mouldings *Base is set at bottom of wall, Chair Rail at the top of level 1, Crown at top of level 2, and Gable Moulding is located where the gable starts. Click the  icon to display the moulding profile icon menu. Set the parameters for thickness and height.*

MOULDINGS

BASE

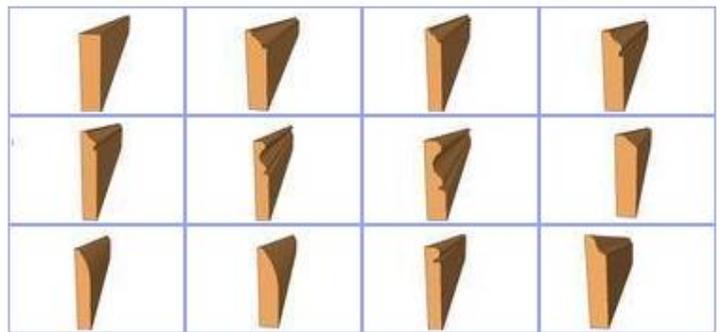
Type  Base 1

Base Thick

Base Height

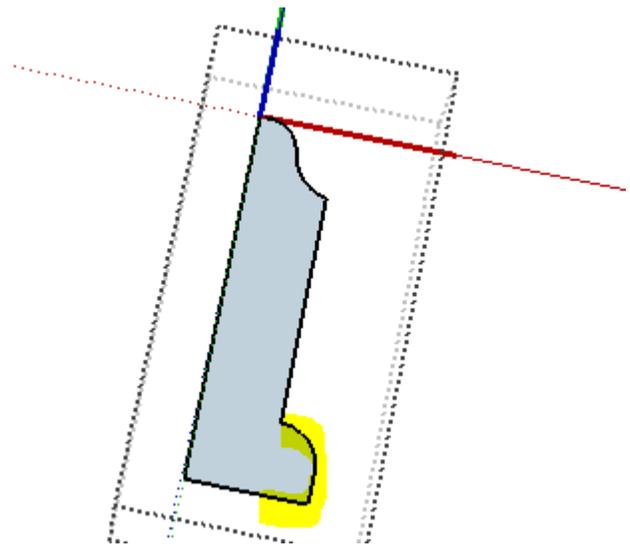
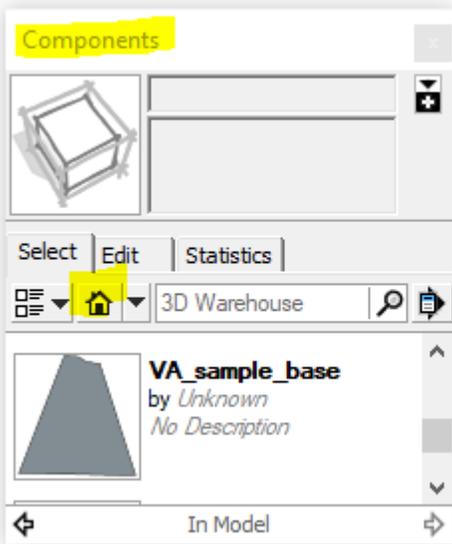


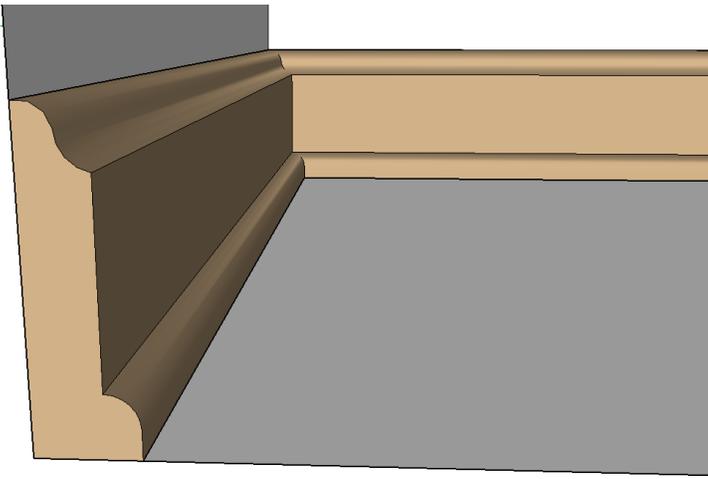
Base Profiles Vali Architects



For User Component Profile, the easiest way is to choose VA_sample_base for the component and make a test base moulding. Then insert the component using Sketchup's component browser and edit the component to make your own profile. Then run the script again using the revised component. Similar for Chair Rail, Crown, and Gable mouldings.

Type  User Component Profile
Choose Component





CHAIR RAIL

Type

ChairRail 1

Chair Rail Thick

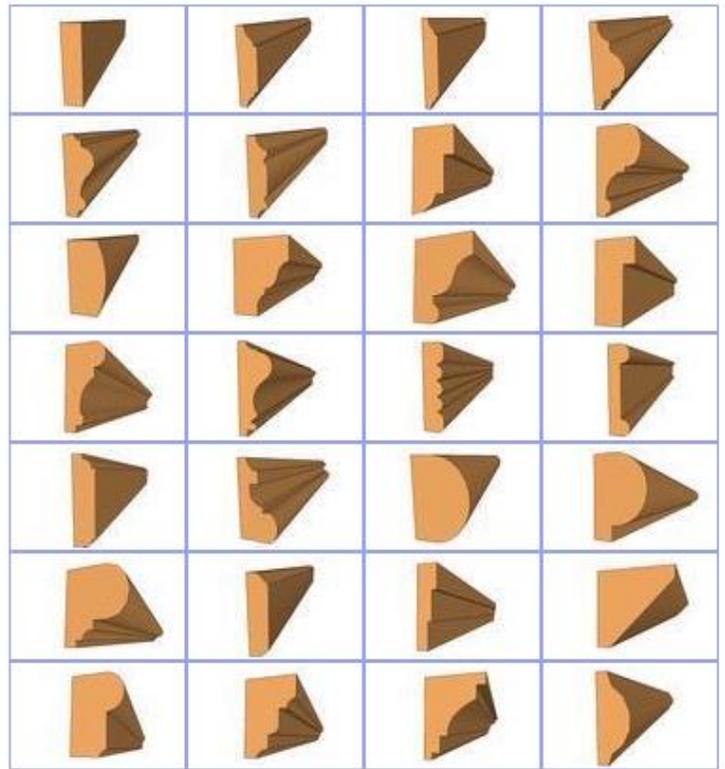
1"

Chair Rail Height

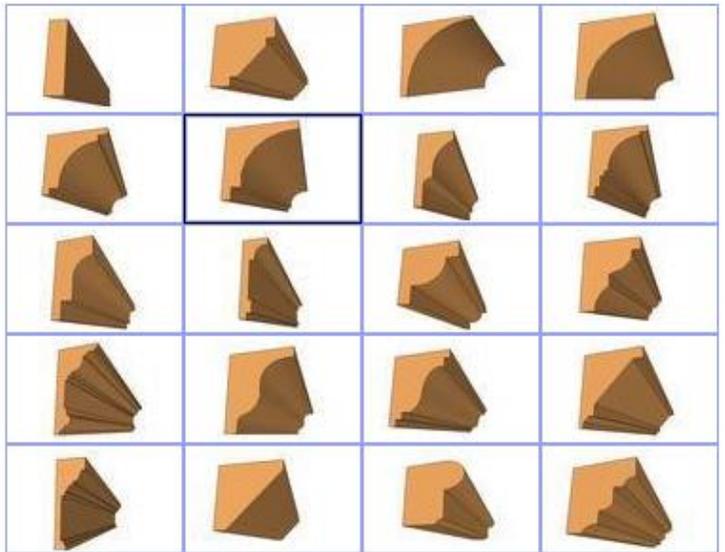
4"



Chair Rail Profiles Vali Architects



Crown Profiles Vali Architects



CROWN

Type

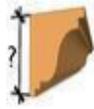
Cove 4

Crown Thick

1"



Crown Height



GABLE

Type



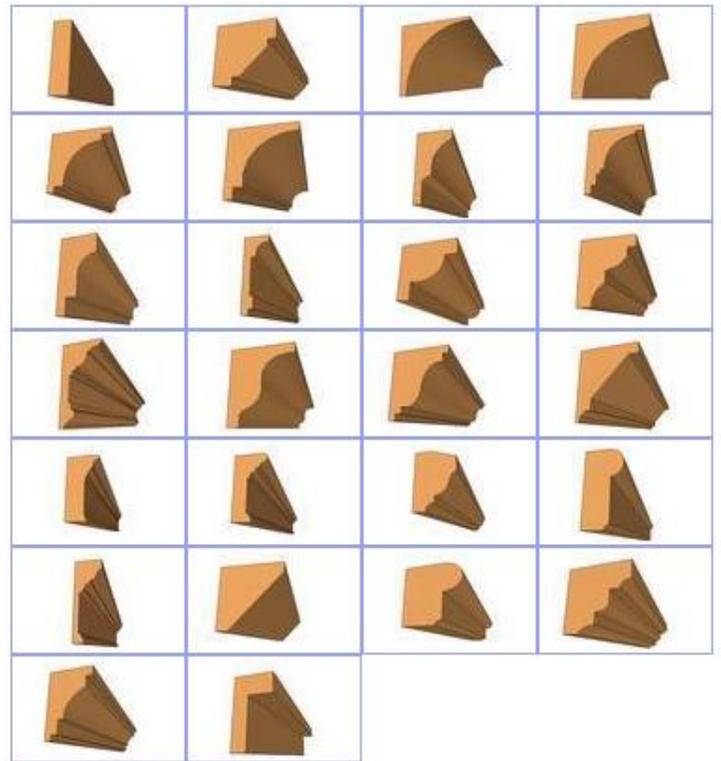
Moulding Thick



Moulding Height



Gable Profiles Vali Architects



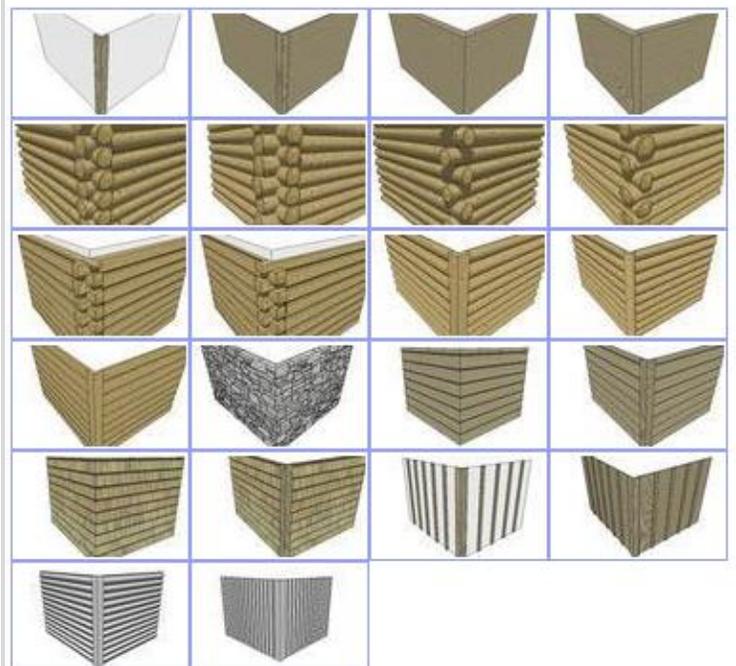
Cladding Click the  icon to display the image gallery. There will be a cladding type and associated parameters for each of the levels if multiple levels are selected under Façade.

LEVEL 1

Cladding



Cladding Types Vali Architects



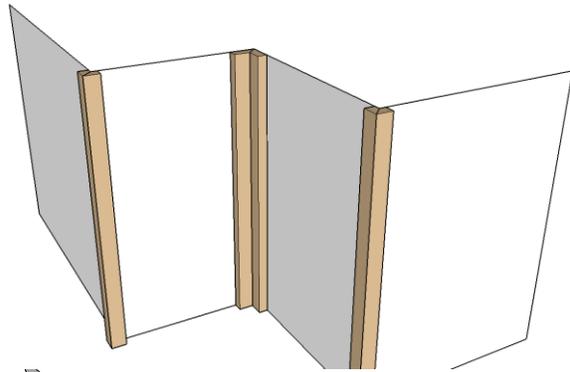
Cladding Types

Corners Only is the simplest type and adds the least size to the model. It is intended for use with basic Sketchup materials for the wall surfaces.

Cladding



Corners Only

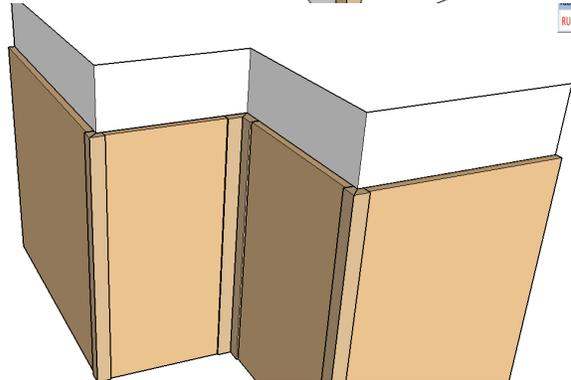


Flat is a simple thickness applied to a wall for use with basic Sketchup materials. May be used with corner trim.

Cladding



Flat

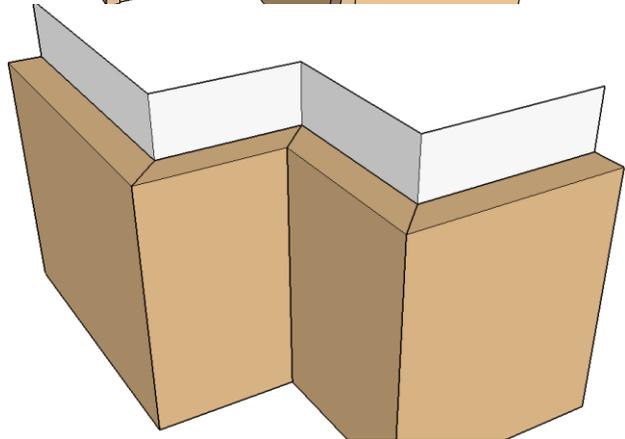


Solid Miter is a simple thickness applied to a wall for use with basic Sketchup materials such as concrete, plaster, stone or masonry.

Cladding



Solid Mitered

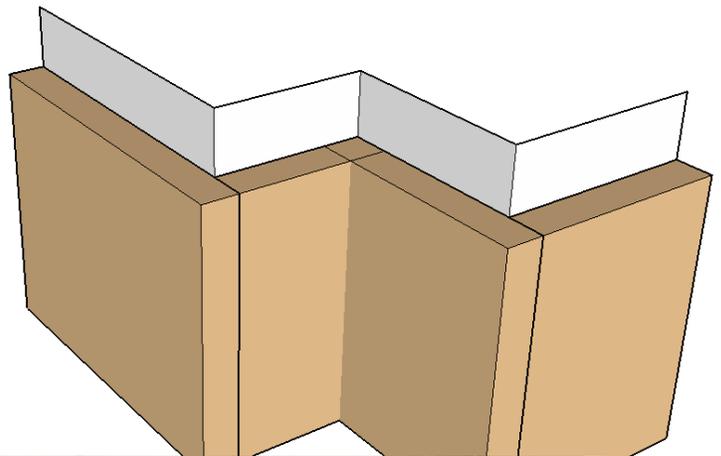


Solid Overlap is a simple thickness applied to a wall for use with basic Sketchup materials such as concrete, plaster, stone or masonry. Somewhat faster to model than Solid Miter

Cladding



Solid Overlap



Log Overlap

Cladding



Log Overlap



Log Overlap Milled Logs have a flat top and bottom

Cladding



Log Overlap Milled



Log Staggered

Cladding



Log Staggered



Log Staggered Milled Logs have a flat top and bottom

Cladding



Log Staggered Milled

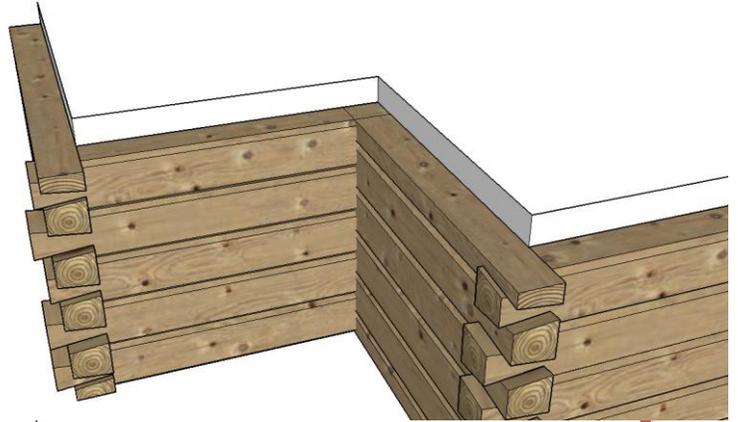


Dovetail Log Locates logs on outside face of wall

Cladding



Dovetail Log

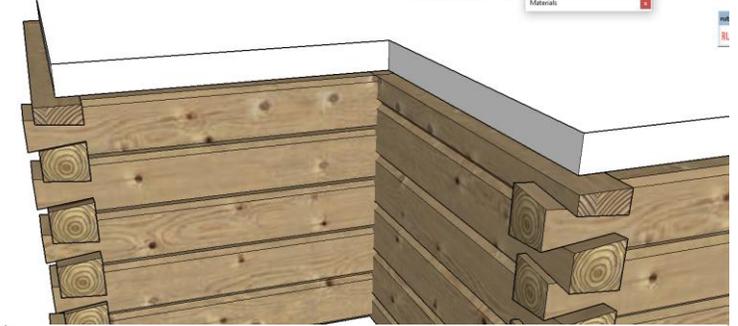


Dovetail Log on Center Locates log centered on wall

Cladding



Dovetail Log on Center

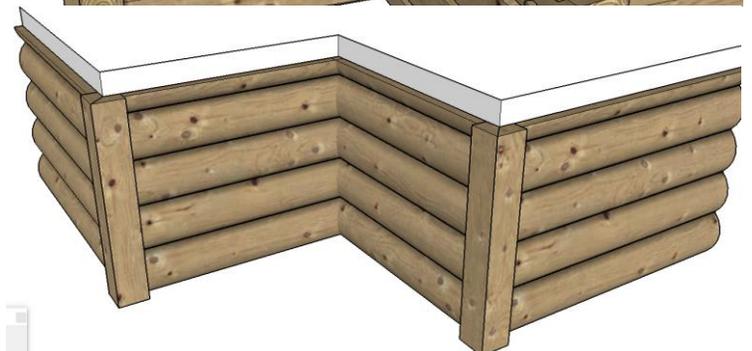


Half Log Square Corners

Cladding



Half Log Square Corners

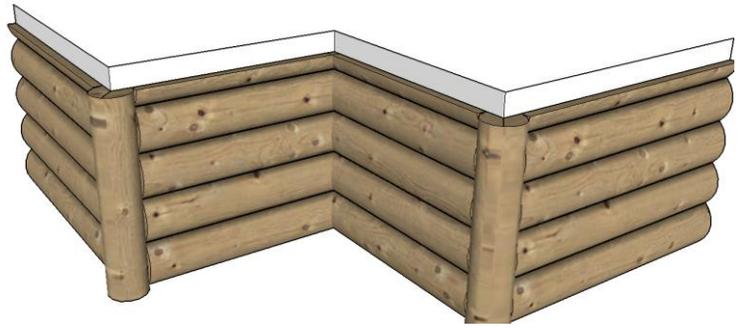


Half Log Round Corners

Cladding



Half Log Round Corners



Plank



Stone There are several stone/masonry patterns. Click the  icon for Stone Type to display the stone types image gallery. *This extension takes a VERY LONG TIME to model stone. Especially when the miter corner option is chosen. Make sure to save your model before making stone cladding and try a very small area first.*

Cladding



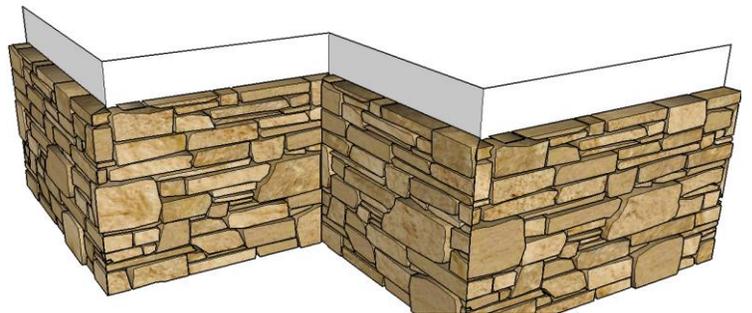
Stone



Stone Type



ledge 2



Stone Types Vali Architects

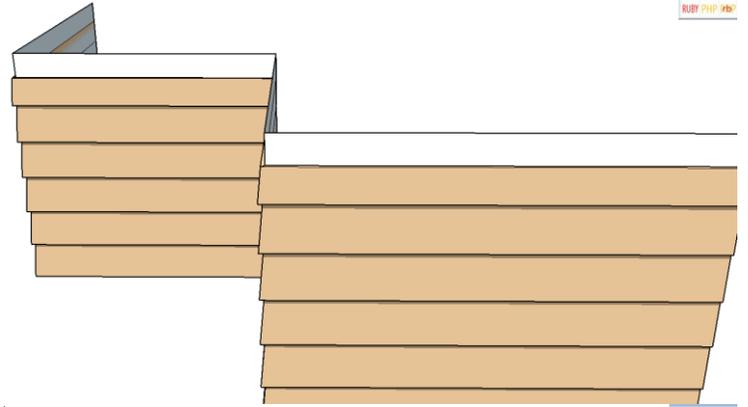


Bevel Siding Mitered

Cladding



Bevel Siding Mitered

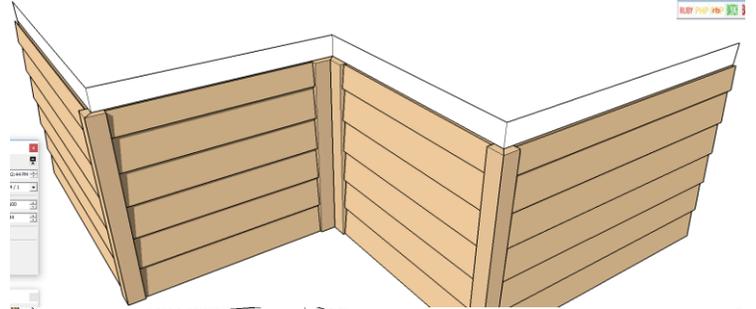


Bevel Siding Corner Trim

Cladding



Bevel Siding Corner Trim

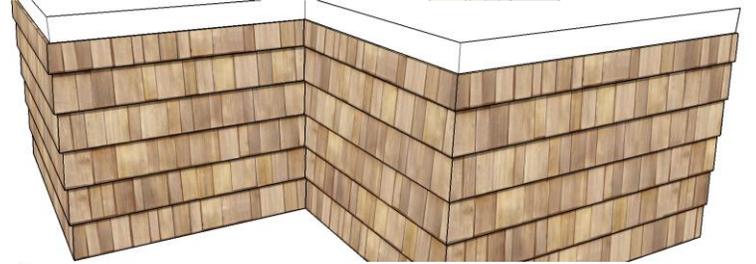


Shingles

Cladding



Shingles

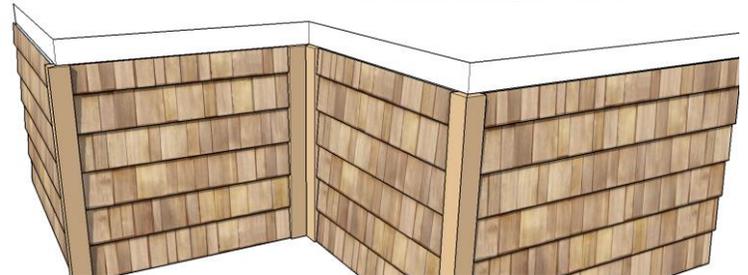


Shingles Corner Trim

Cladding



Shingles Corner Trim

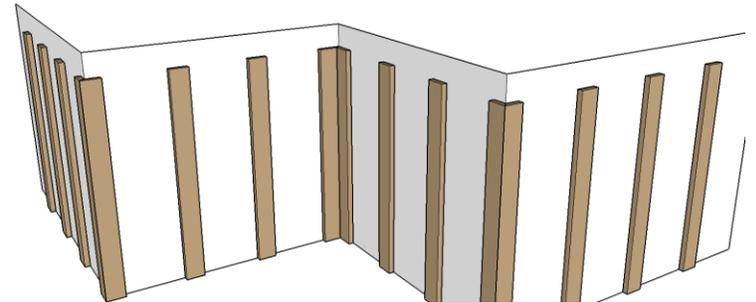


Batten Siding

Cladding



Batten Siding

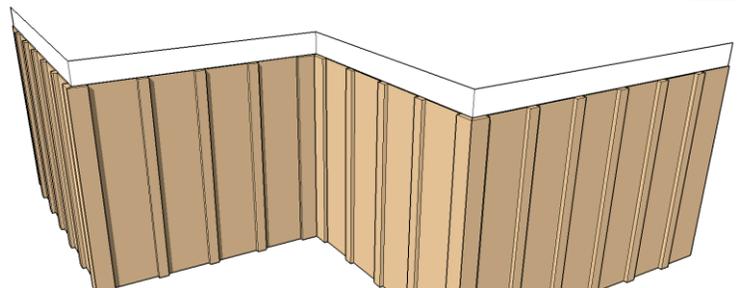


Board and Batten Siding

Cladding

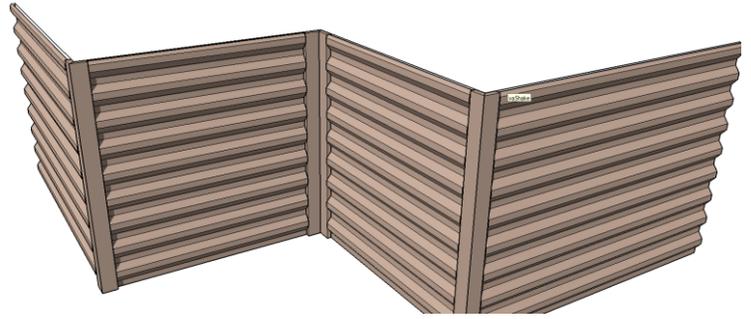


Board and Batten Siding



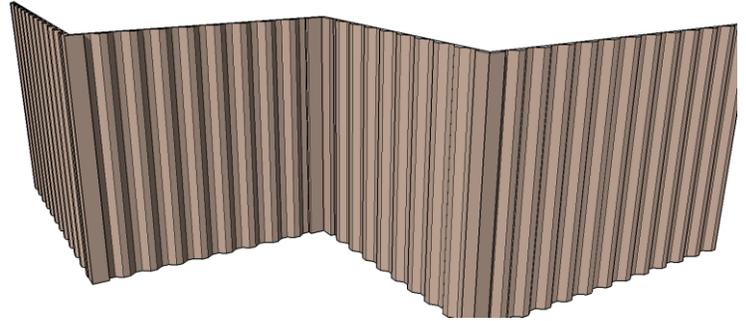
Corrugated Horizontal

Cladding  Corrugated Horizontal 



Corrugated Vertical

Cladding  Corrugated Vertical 



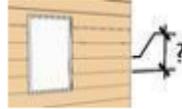
Siding Thick 



Board Thick 



Siding Depth 



Width 



Batten Spacing



Adjust Spacing Yes No



Adjust Spacing If set to "Yes", batten spacing will be adjusted on each wall to be equal. If set to "No", any leftover width will be added to the last space.

Stone Thickness



Random Thickness



Random Thickness Will either make stones random thickness or will make larger stones thicker.

Stone Scale



Stone Corner Type | None Lap Miter



Stone Corner Type | None Lap Miter



Stone Corner Type | None Lap Miter



Smooth Stones | Yes No



Grout | Yes No



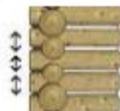
Grout Depth |



Log Diameter |



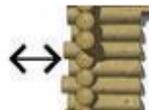
Random |



Log Extension |



Random Length |



Stone Corner Type - None Stone will be modeled to edge of wall surface.

Stone Corner Type -Lap Stone will be modeled to lap over stone thickness on adjacent wall. **NOTE: All stone methods are slow, but the Lap corner type generally does not look as good as Miter but will run faster.**

Stone Corner Type - Miter Stone will be modeled to miter at edge of wall. **NOTE: This method is EXTREMELY SLOW. Please save your work prior to running the script in case you need to quit before it is done.**

Smooth Stones Softens edges on stones. Best for River Rock and Lava type patterns.

Grout Makes a simple vertical face that can be used as grout for stone/masonry or chinking when used with logs

Grout Depth From outside surface of stone or log

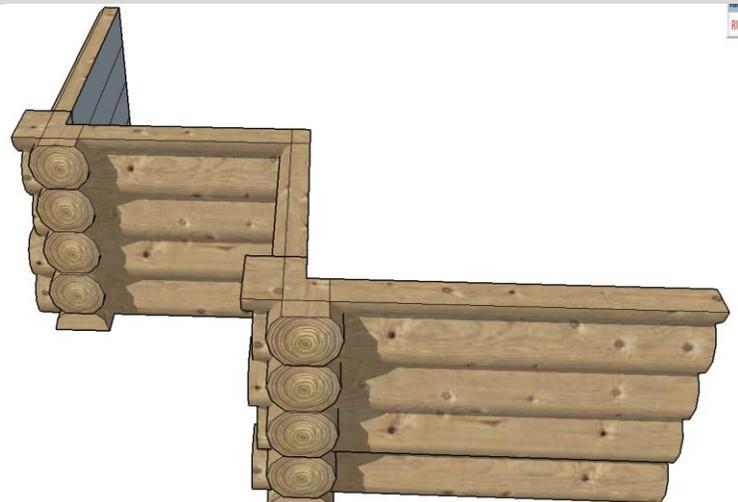
Random Log Diameter Varies log diameters. Intended for use with chinking (grout)

Log Extension The distance that overlapping logs extend past the corner

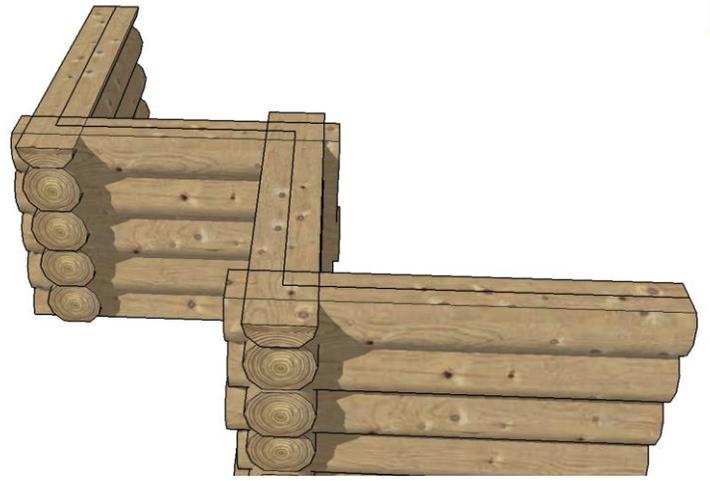
Random Length Varies the extensions past the corner

Clip Log Backs Logs are located with centers on selected vertical face. The backs of the logs may be full round or cut out behind the wall surface.

Clip Log Backs | Yes No

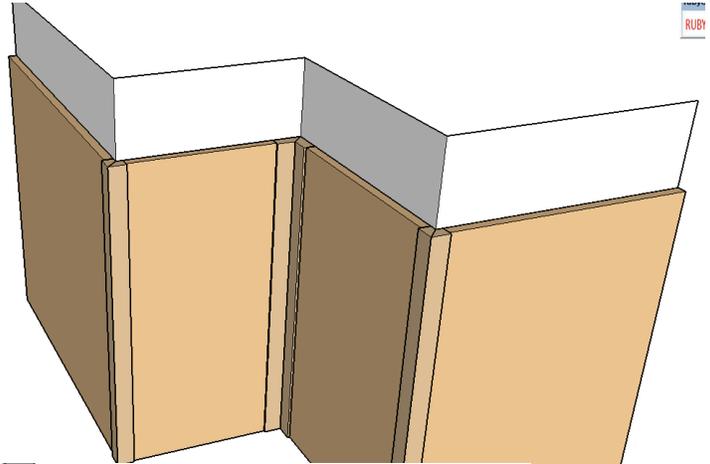


Clip Log Backs Yes No

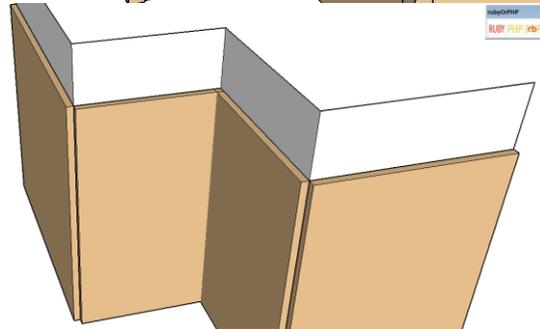


The Make Corners option applies to siding types. Siding is made to the edge of the wall if corners are not selected for input or if this parameter is set to No.

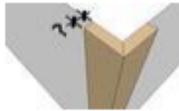
Make Corners Yes No



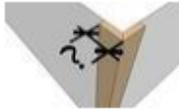
Make Corners Yes No



Corner Thick



Corner Width

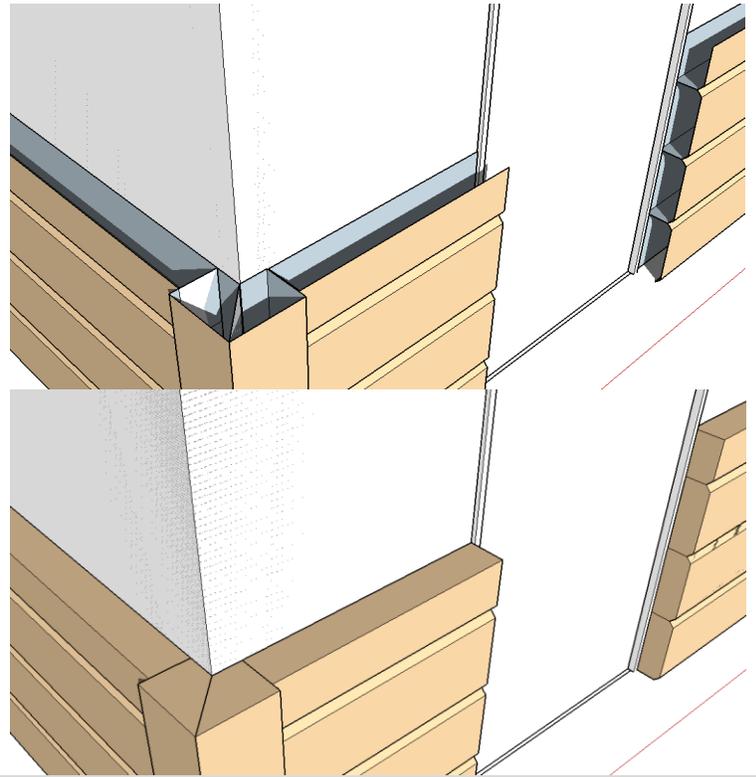


Clip type 3D attempts to fill in the siding or stone where it cuts around objects such as windows, wall outlines, etc. It can be slower than the 2D option that simply cuts but does not fill in.

Clip Type | 2D 3D



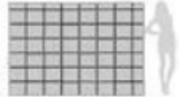
Clip Type | 2D 3D



Version 1.3 has added 2 configurable rectangular stone/brick types: Stacked and Running. The sizes and spacing is configurable as show below.

Cladding  Stone

Stone Type  stacked

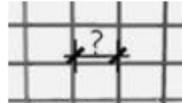


Cladding  Stone

Stone Type  running



Stone Width



Stone Height



Grout Width

