Instant Roof Details Parameters

Roofing Types

----- STYLE PARAMETERS ----

ROOFING

Type: Mission Tile



----- STYLE PARAMETERS ----

ROOFING

Type: Mission Tile No Pans



----- STYLE PARAMETERS ----

ROOFING

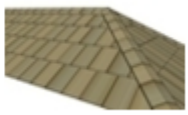
Type: Mission Tile Edges



----- STYLE PARAMETERS ----

ROOFING

Type: Shingle



----- STYLE PARAMETERS ----

ROOFING

Type: Shingle Ridges



----- STYLE PARAMETERS ----

ROOFING

Type: Standing Seam



----- STYLE PARAMETERS ----

ROOFING

Type: Sheet Metal Ridges



—— STYLE PARAMETERS ——

ROOFING

End: Mission Tiles Full



—— STYLE PARAMETERS ——

ROOFING

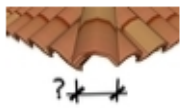
End: Shingle Texture Mat



Roofing Parameters

Type: Mission Tile

Ridge Width: 8 3/16"



Ridge Width: 8 3/16"

Field Tile Width: 8 3/16"



Field Tile Width: 8 3/16"

Make Bird Stops: (•) Yes ( ) No



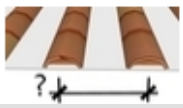
Field Tile Width: 8 3/16"

Make Bird Stops: ( ) Yes (•) No



Field Tile Width: 8 3/16"

Spacing: 2'



Ridge Width: 8 3/16"

Shingle Thickness: 1"

Exposure: 1' 2"



Shingle Thickness: 1"

Exposure: 1' 2"



Field Tile Width: 4 6 8 12 18 24

Tile Facets: 8

Make Bird Stops



Seam Thickness: 3"

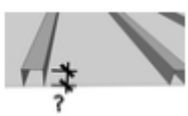
Spacing: 2'



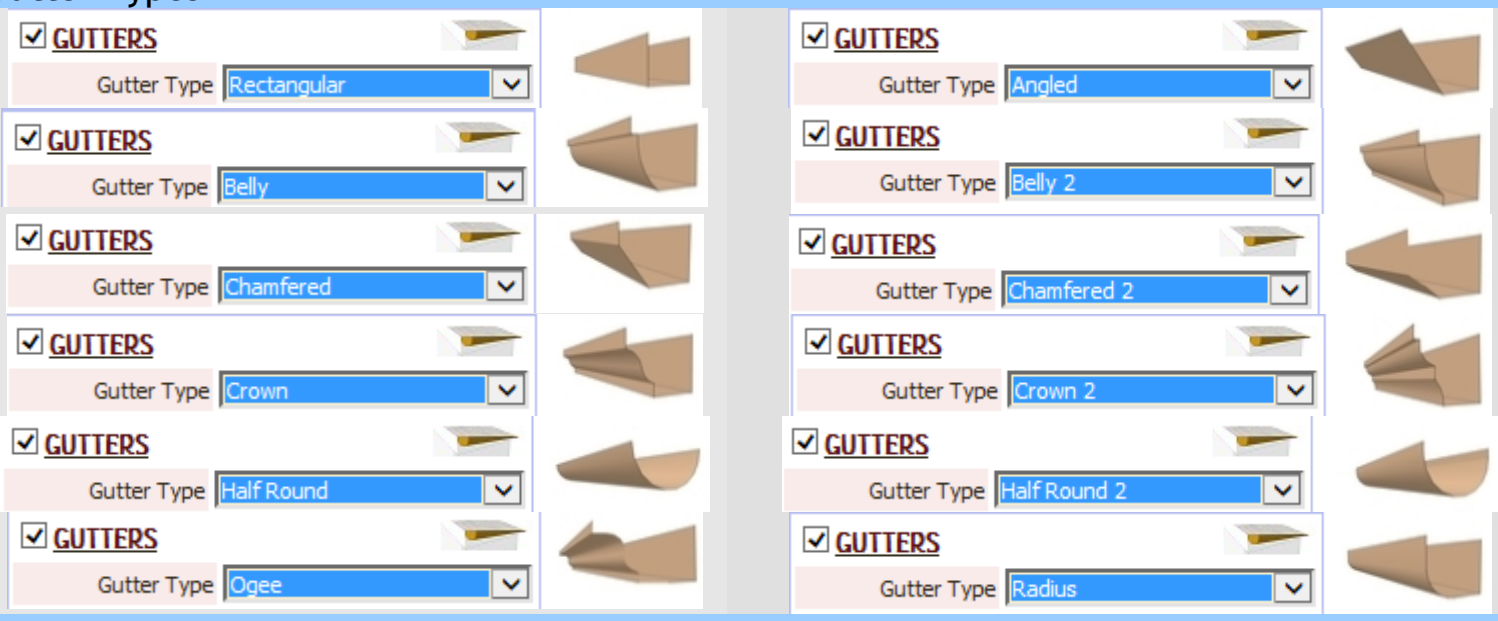
Ridge Width: 8 3/16"

Seam Height: 8"

Seam Thickness: 3"



Gutter Types



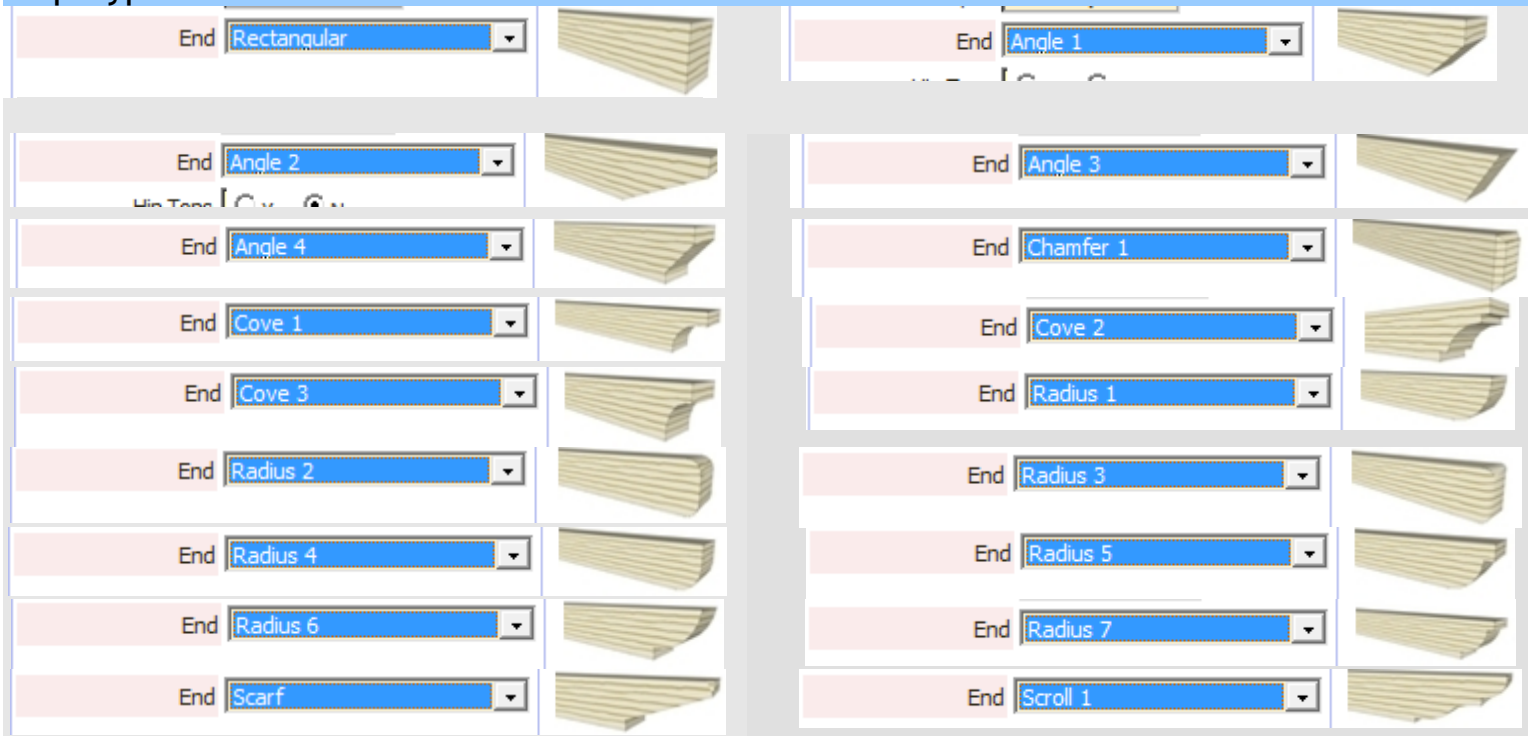
Gutter Parameters

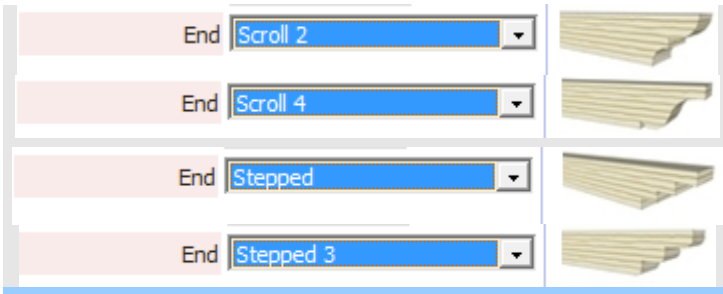


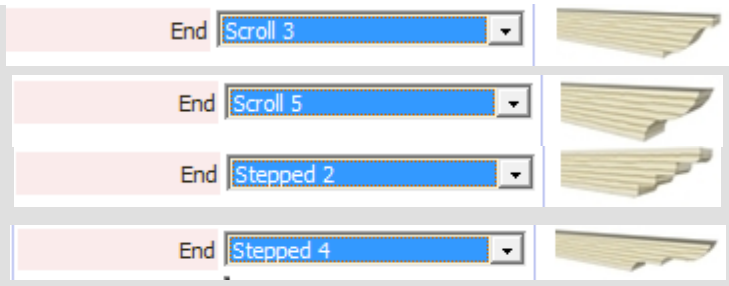
Hip Parameters



Hip Types

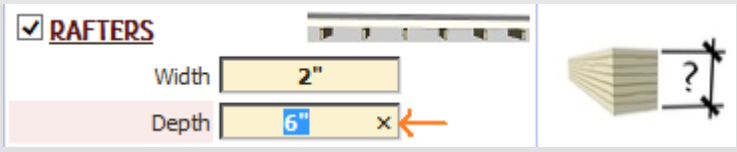




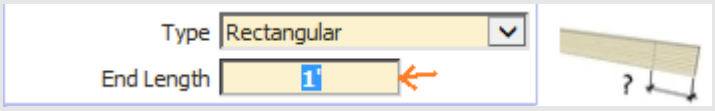


Rafter Parameters

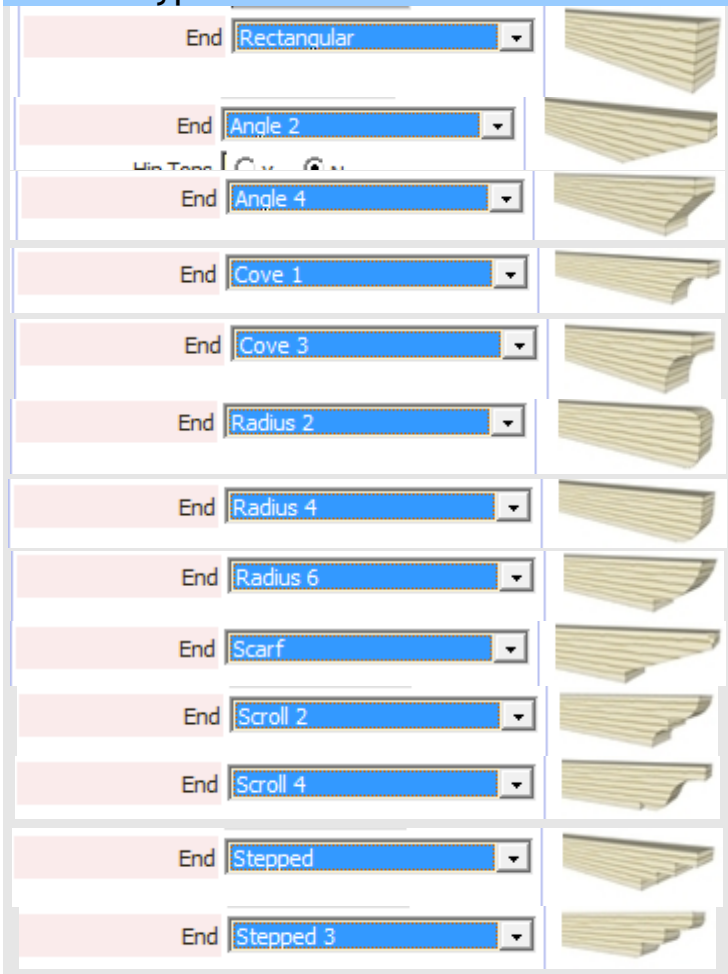


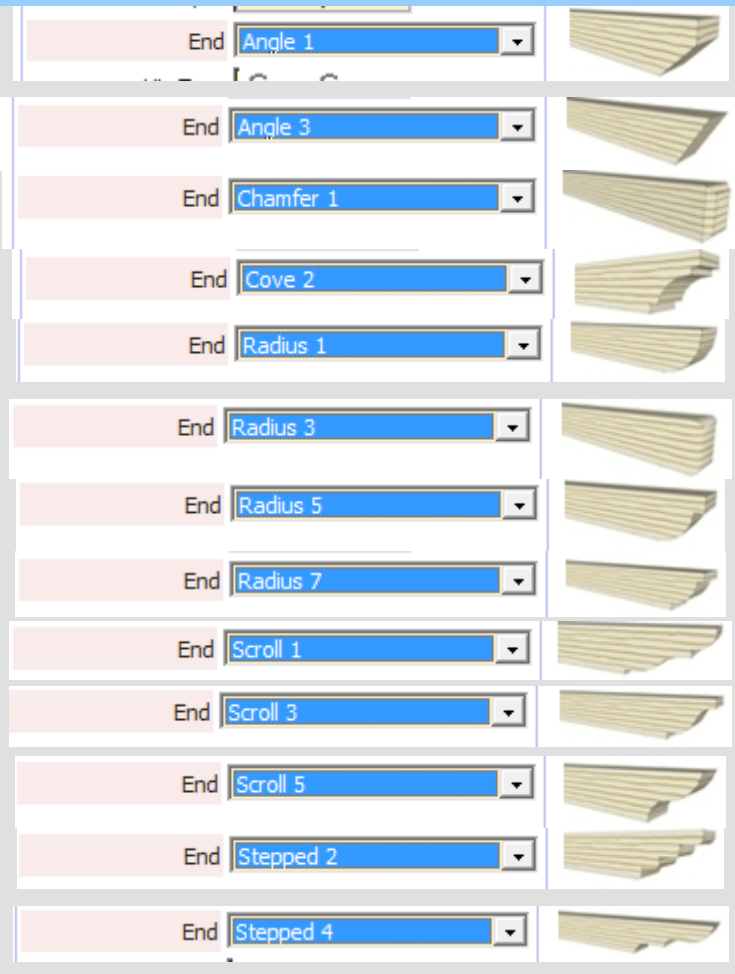




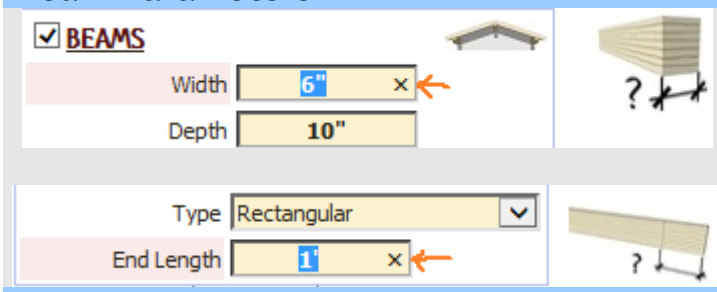


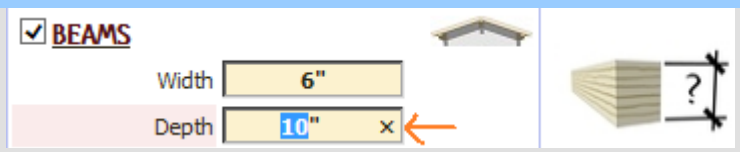
Rafter Types



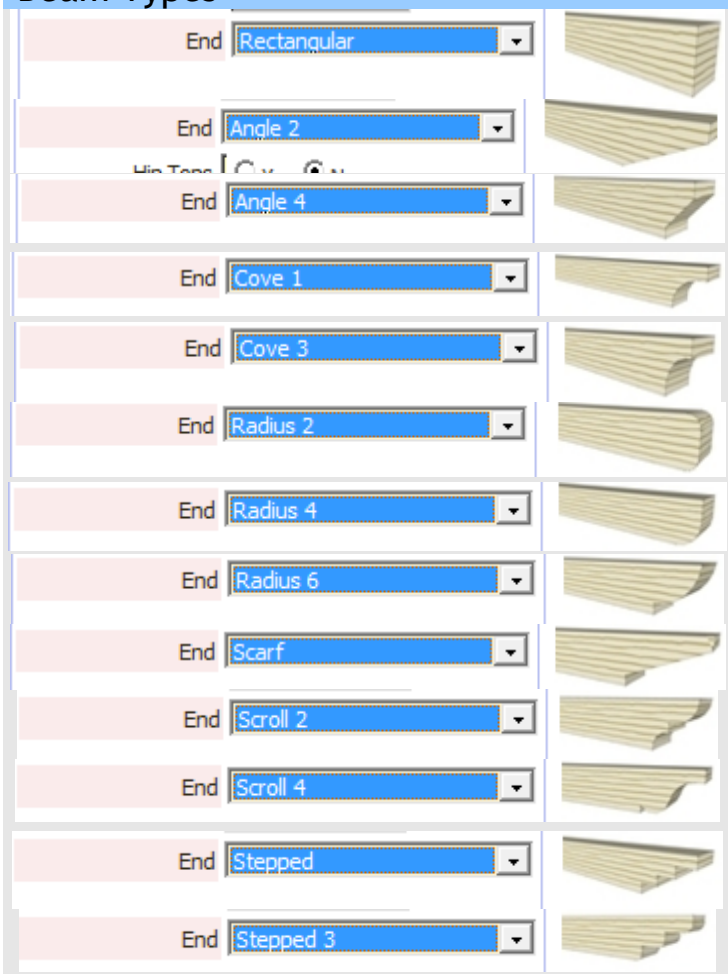


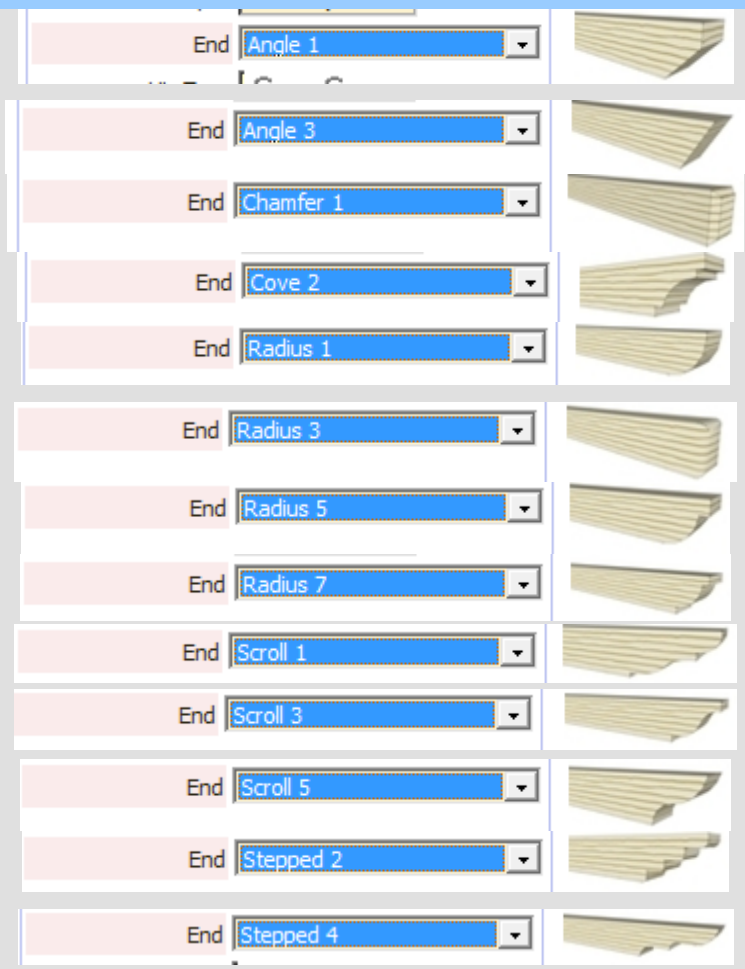
Beam Parameters





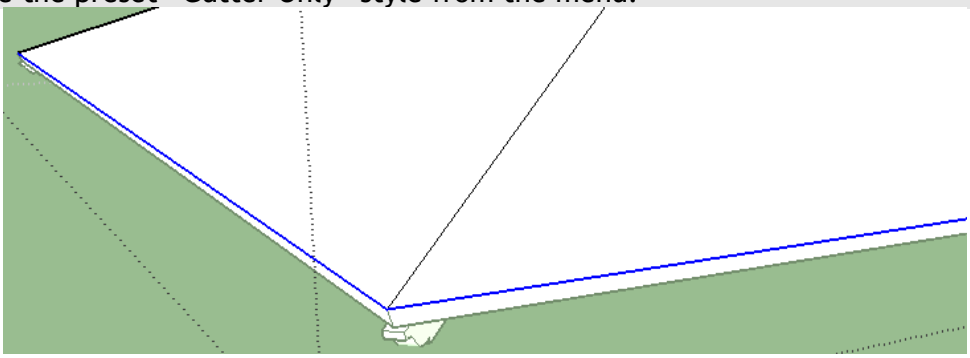
Beam Types

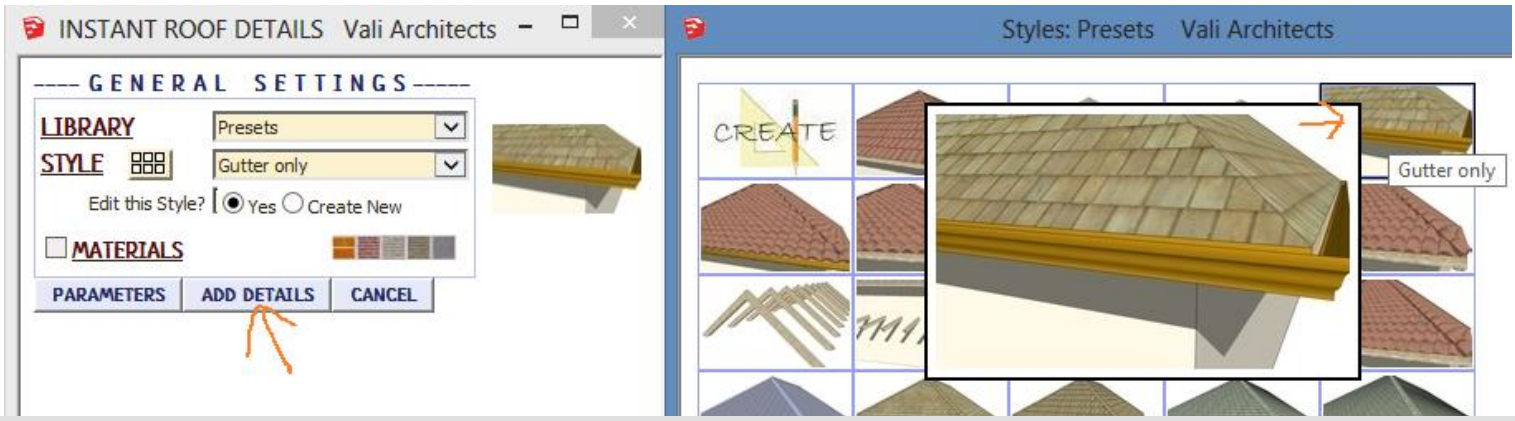




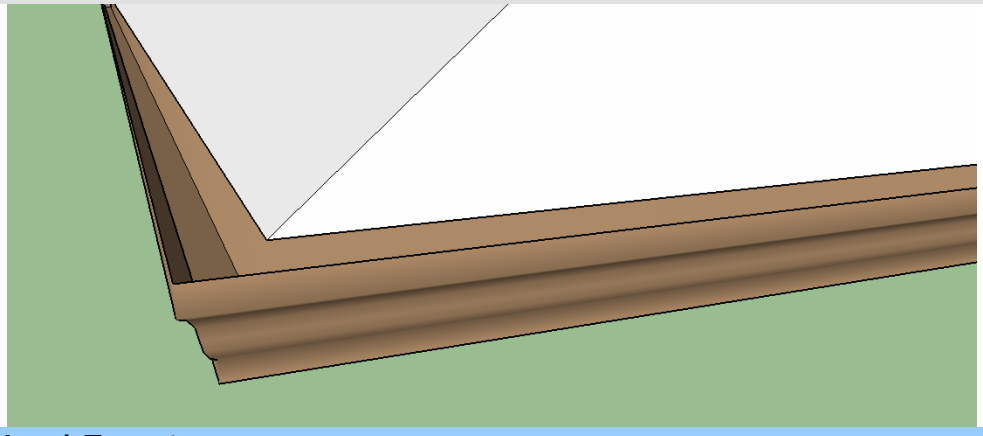
Additional Info Gutters

Gutters will only be put on horizontal bottom edges of roof planes. Select bottom edge of roof and choose a gutter type. Here I just chose the preset “Gutter Only” style from the menu.



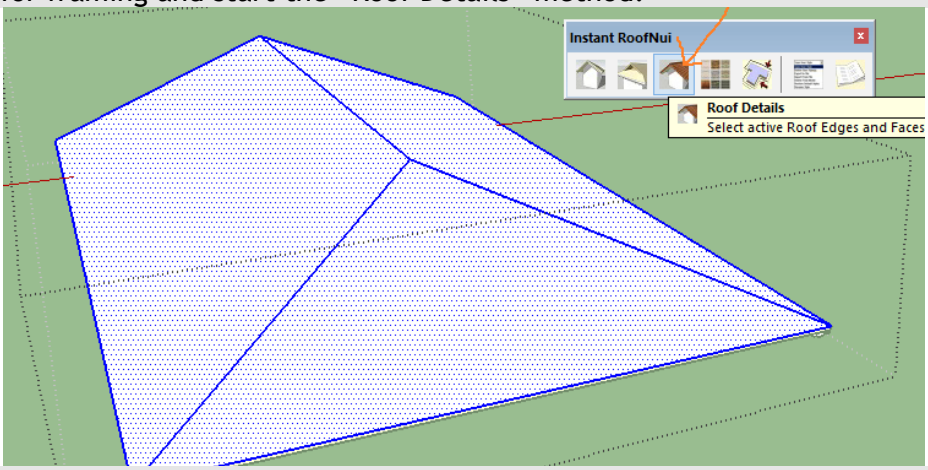


Here is the output:

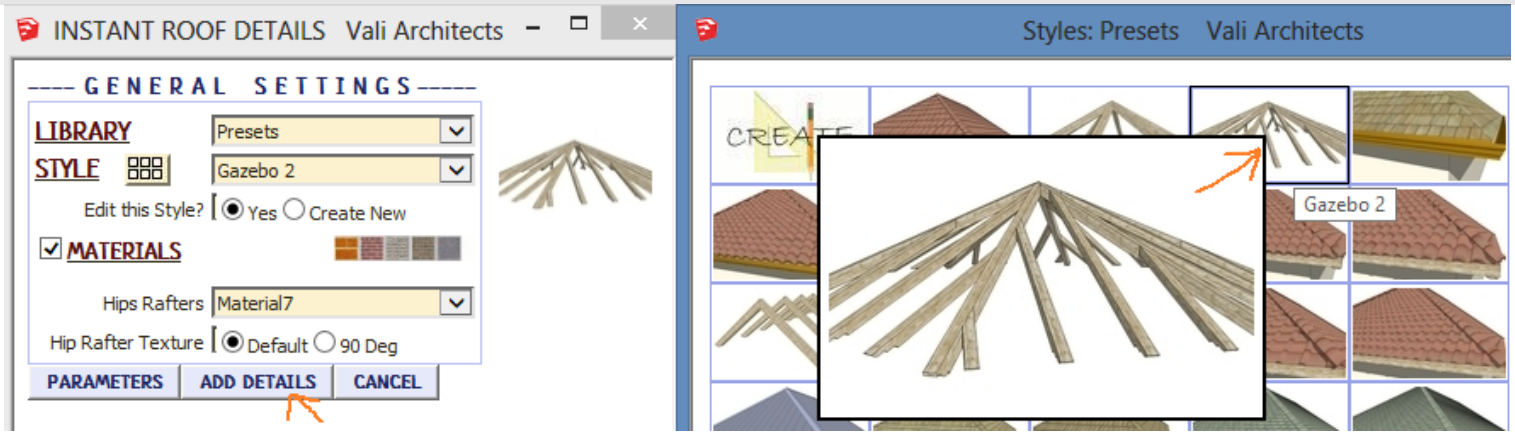


Additional Info Wood Framing

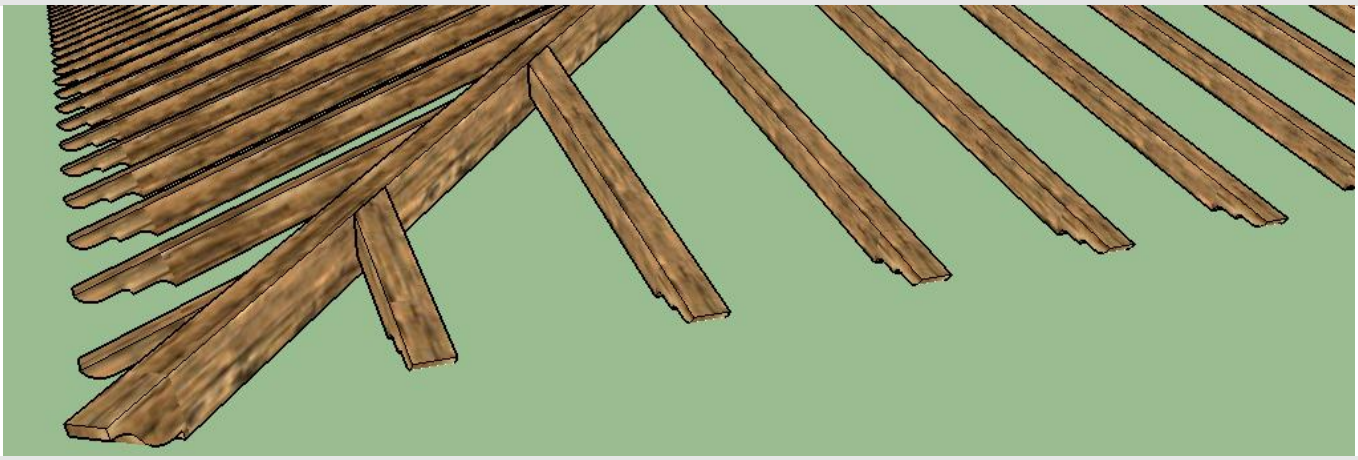
Wood framing can be placed under sloped roof faces and edges in a similar way to standing seam or mission tiles. Select faces and edges for framing and start the “Roof Details” method.



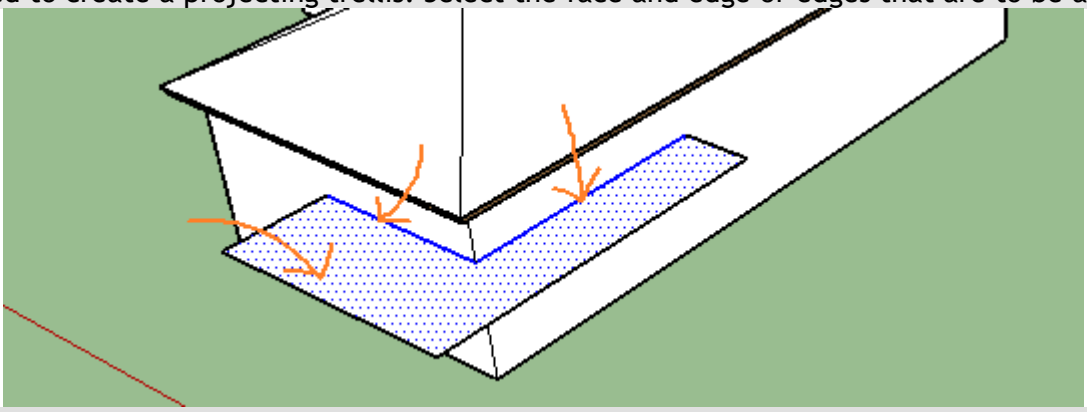
Choose parameters or a preset wood framing style:



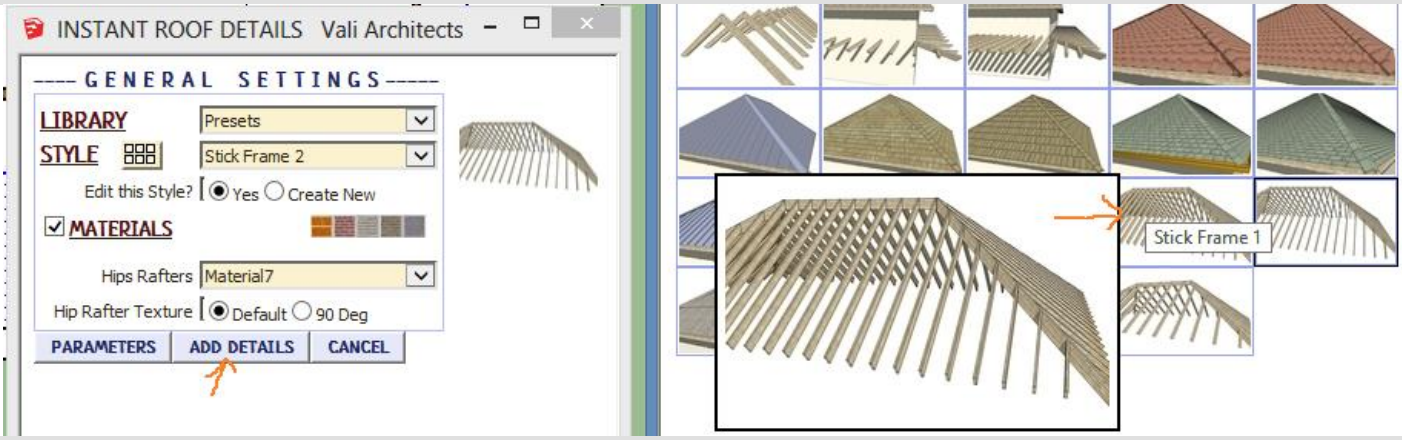
The output should be something like this:



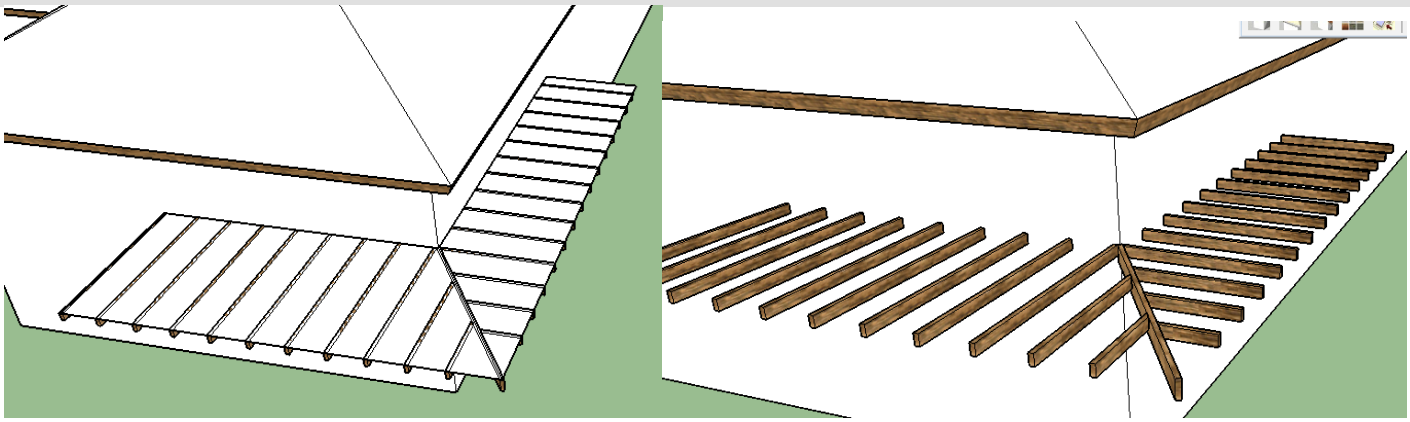
A face can be used to create a projecting trellis. Select the face and edge or edges that are to be against the wall.



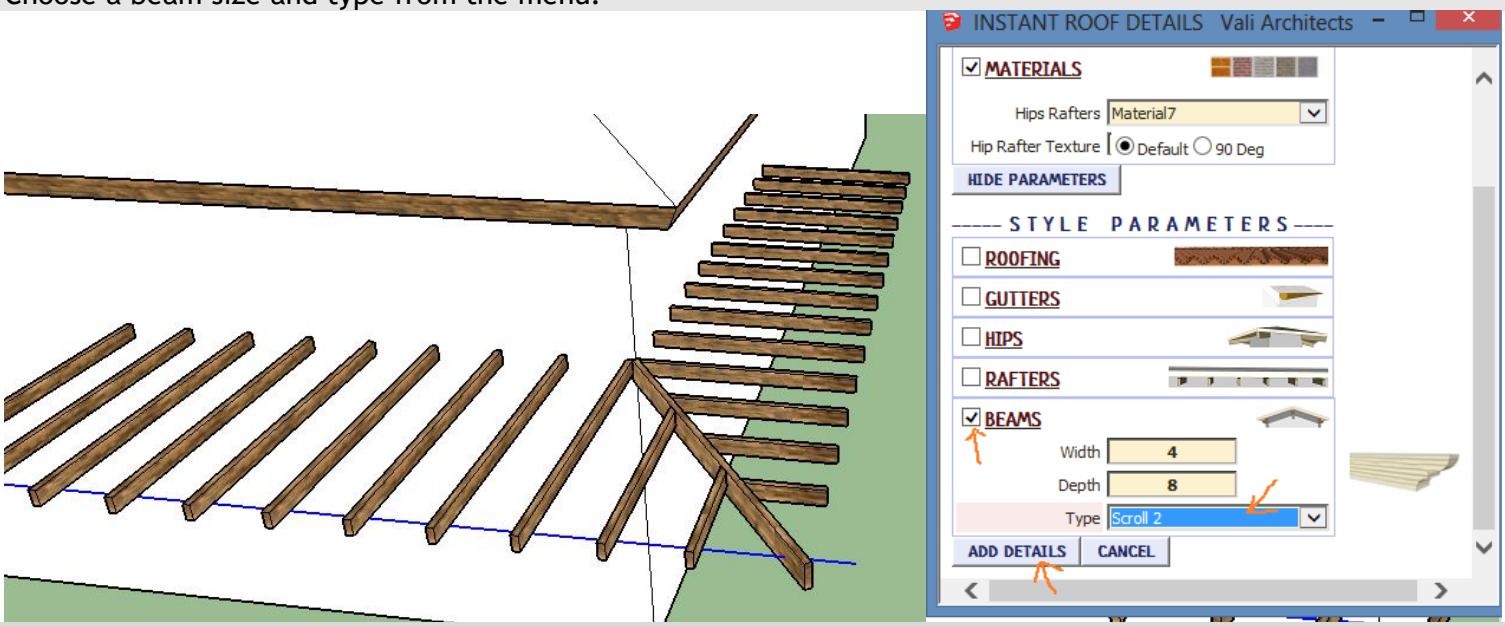
Choose parameters or a preset wood framing style:



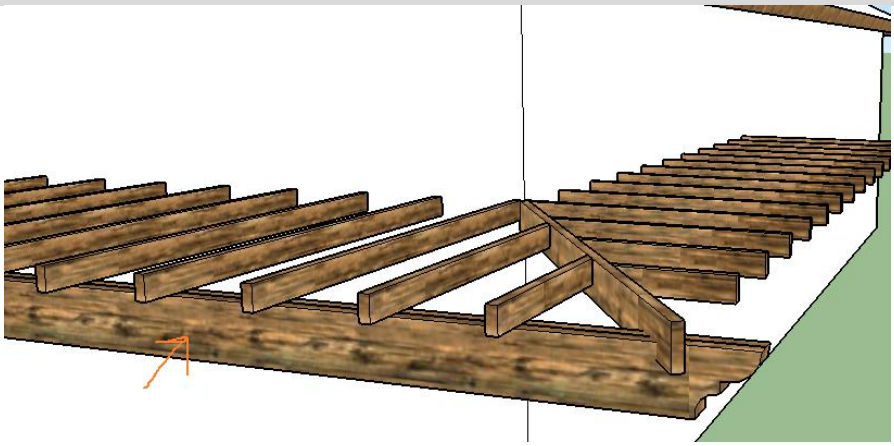
The output should be a trellis:



One or more lines with no connecting faces can be selected and used to create a beam. Draw a line and select it. Choose a beam size and type from the menu:

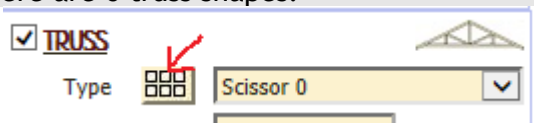


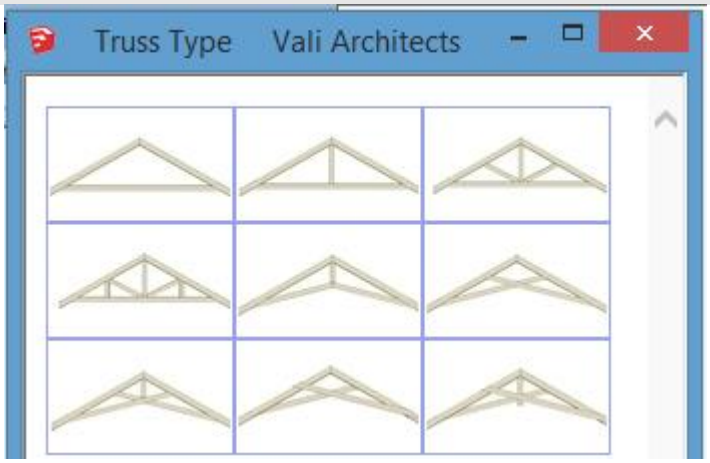
The output will be a beam placed under the line.



Trusses (Added in version 2.7)

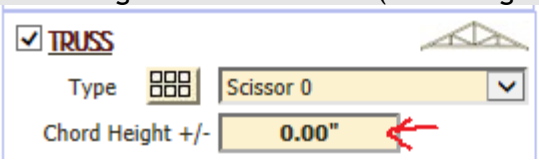
If the Rafters parameter is checked, trusses can be modeled using the rafters using the same input. Although the script will attempt to make a truss out of hips and jack rafters, this method is intended for gable roofs. There are 6 truss shapes:





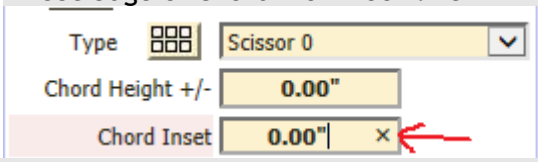
Truss parameters:

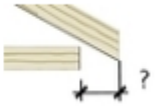
Chord height above or below (enter negative value for below) bottom of roof line.



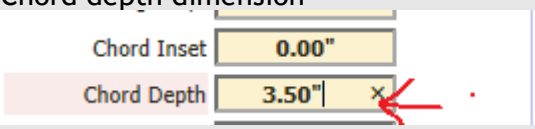


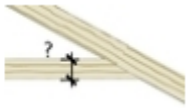
Inset edge of chord from roof line



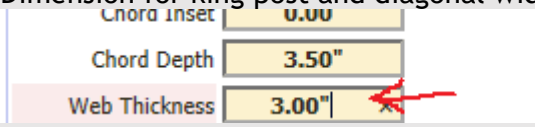


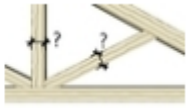
Chord depth dimension



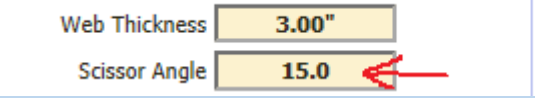


Dimension for king post and diagonal widths





For scissor trusses, the angle between roof slope and chord:





Option to align mission tile or standing seam roofing at double slope. (Added version 3.5)

Set parameter to ‘Yes’ to align roofing material across double slope. Otherwise it should be set to ‘No’ because it doesn’t take as long to run and is more reliable.

