Instant Roof Nui Details Parameters

Roofing Types

----- S T Y L E   P A R A M E T E R S ----
☑ ROOFING
Type | Mission Tile

----- S T Y L E   P A R A M E T E R S ----
☑ ROOFING
Type | Mission Tile No Pans

----- S T Y L E   P A R A M E T E R S ----
☑ ROOFING
Type | Mission Tile Edges

----- S T Y L E   P A R A M E T E R S ----
☑ ROOFING
Type | Shingle

----- S T Y L E   P A R A M E T E R S ----
☑ ROOFING
Type | Shingle Ridges

----- S T Y L E   P A R A M E T E R S ----
☑ ROOFING
Type | Standing Seam

----- S T Y L E   P A R A M E T E R S ----
☑ ROOFING
Type | Sheet Metal Ridges

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"
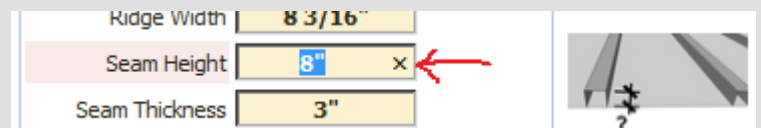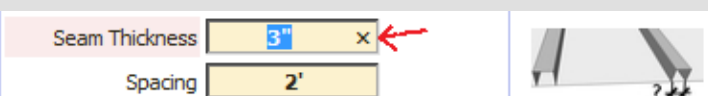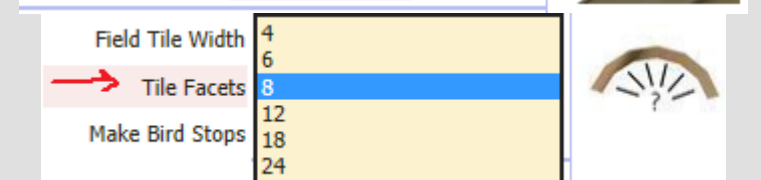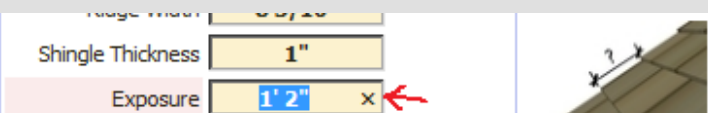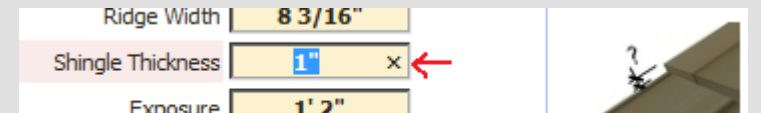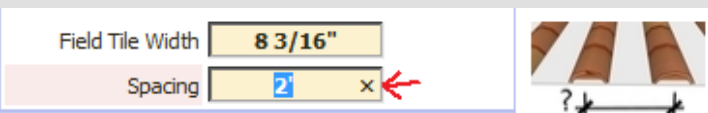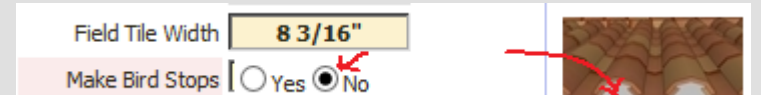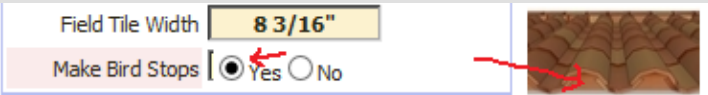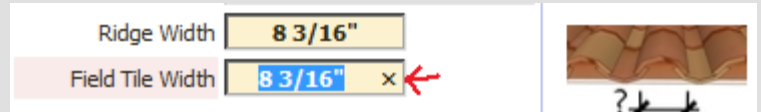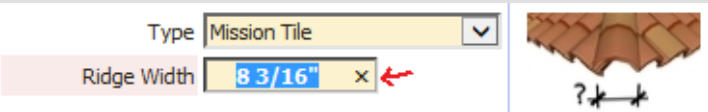
Gutter Types
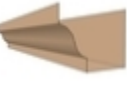
☑ **GUTTERS** — Gutter Type: Rectangular	☑ **GUTTERS** — Gutter Type: Angled
☑ **GUTTERS** — Gutter Type: Belly	☑ **GUTTERS** — Gutter Type: Belly 2
☑ **GUTTERS** — Gutter Type: Chamfered	☑ **GUTTERS** — Gutter Type: Chamfered 2
☑ **GUTTERS** — Gutter Type: Crown	☑ **GUTTERS** — Gutter Type: Crown 2
☑ **GUTTERS** — Gutter Type: Half Round	☑ **GUTTERS** — Gutter Type: Half Round 2
☑ **GUTTERS** — Gutter Type: Ogee	☑ **GUTTERS** — Gutter Type: Radius

Gutter Parameters
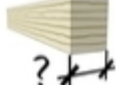
Gutter Width: 5"	Gutter Width: 5"
Gutter Height: 6"	Gutter Height: 6"
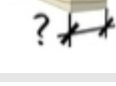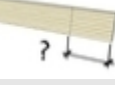
Hip Parameters

☑ **HIPS** — Width: 4", Depth: 8"	☑ **HIPS** — Width: 4", Depth: 8"
Type: Rectangular — End Length: 1'	

Hip Types

End: Rectangular	End: Angle 1
End: Angle 2	End: Angle 3
End: Angle 4	End: Chamfer 1
End: Cove 1	End: Cove 2
End: Cove 3	End: Radius 1
End: Radius 2	End: Radius 3
End: Radius 4	End: Radius 5
End: Radius 6	End: Radius 7
End: Scarf	End: Scroll 1

End	Scroll 2		End	Scroll 3
End	Scroll 4		End	Scroll 5
End	Stepped		End	Stepped 2
End	Stepped 3		End	Stepped 4

Rafter Parameters

☑ **RAFTERS**

Width	2"

☑ **RAFTERS**

Width	2"
Depth	6"

Depth	6"
Spacing	1' 4"

Type	Rectangular
End Length	1'

Rafter Types

End	Rectangular		End	Angle 1
End	Angle 2		End	Angle 3
End	Angle 4		End	Chamfer 1
End	Cove 1		End	Cove 2
End	Cove 3		End	Radius 1
End	Radius 2		End	Radius 3
End	Radius 4		End	Radius 5
End	Radius 6		End	Radius 7
End	Scarf		End	Scroll 1
End	Scroll 2		End	Scroll 3
End	Scroll 4		End	Scroll 5
End	Stepped		End	Stepped 2
End	Stepped 3		End	Stepped 4

Beam Parameters

☑ **BEAMS**

Width	6" ✕
Depth	10"

☑ **BEAMS**

Width	6"
Depth	10" ✕

Type	Rectangular ▾
End Length	1' ✕

Beam Types

End	Rectangular ▾		End	Angle 1 ▾
End	Angle 2 ▾		End	Angle 3 ▾
End	Angle 4 ▾		End	Chamfer 1 ▾
End	Cove 1 ▾		End	Cove 2 ▾
End	Cove 3 ▾		End	Radius 1 ▾
End	Radius 2 ▾		End	Radius 3 ▾
End	Radius 4 ▾		End	Radius 5 ▾
End	Radius 6 ▾		End	Radius 7 ▾
End	Scarf ▾		End	Scroll 1 ▾
End	Scroll 2 ▾		End	Scroll 3 ▾
End	Scroll 4 ▾		End	Scroll 5 ▾
End	Stepped ▾		End	Stepped 2 ▾
End	Stepped 3 ▾		End	Stepped 4 ▾
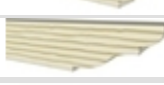
Additional Info Gutters

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.
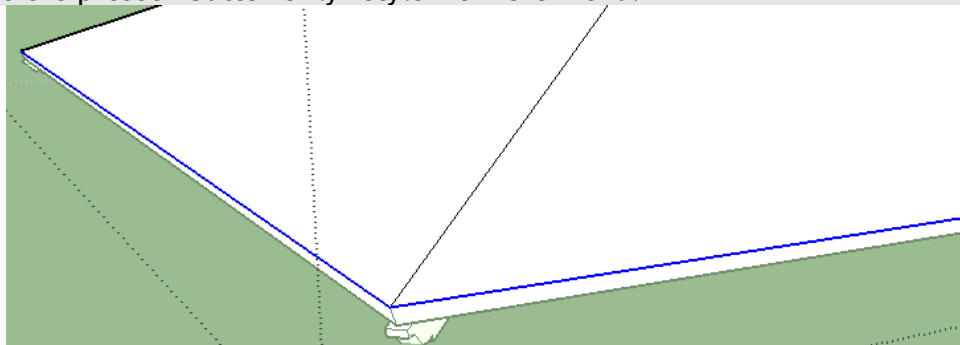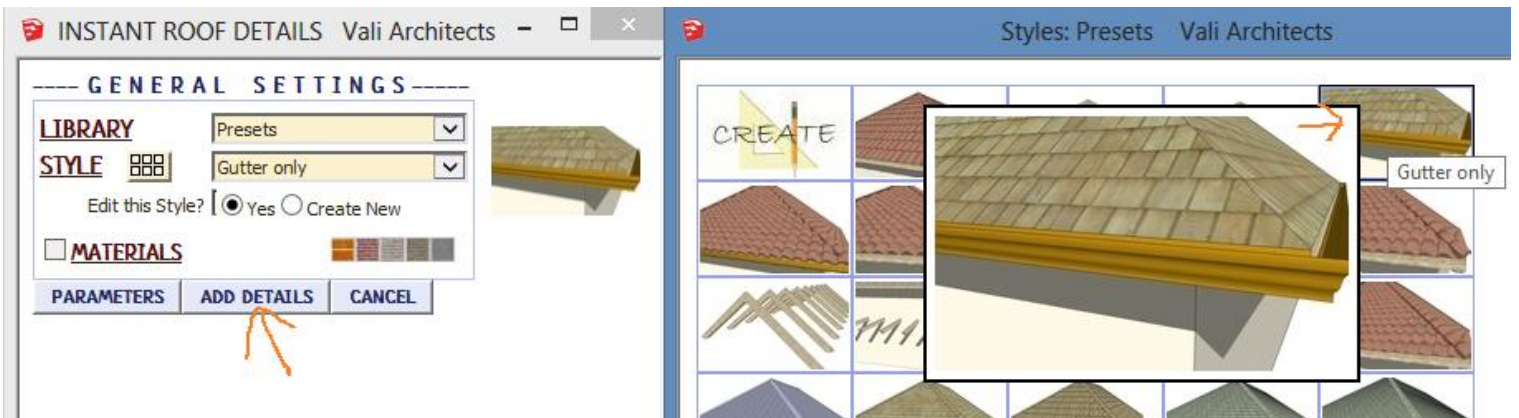
Here is the output:
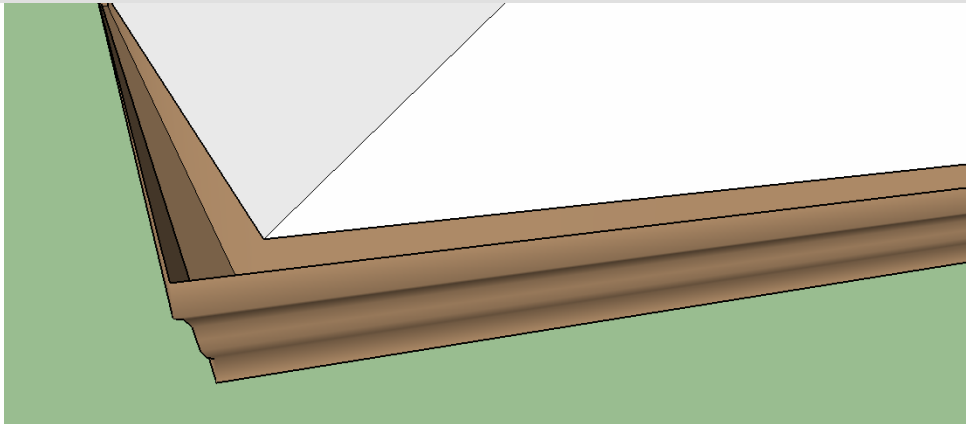
Additional Info Wood Framing

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.
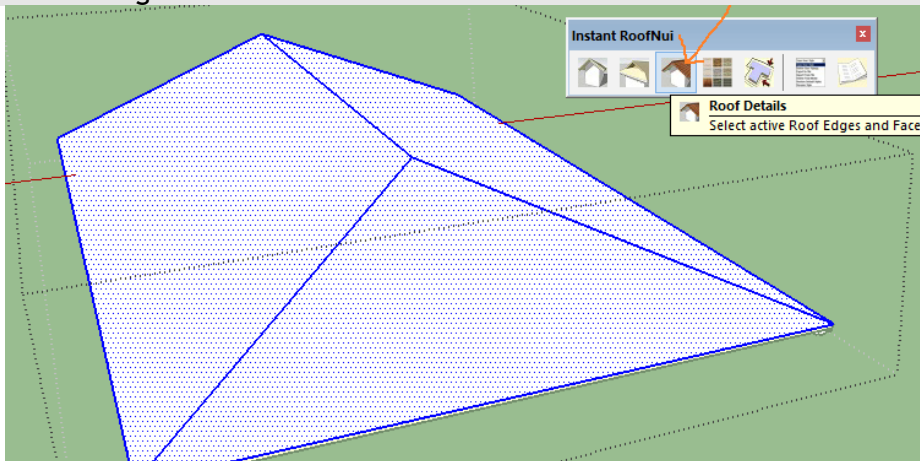
Choose parameters or a preset wood framing style:
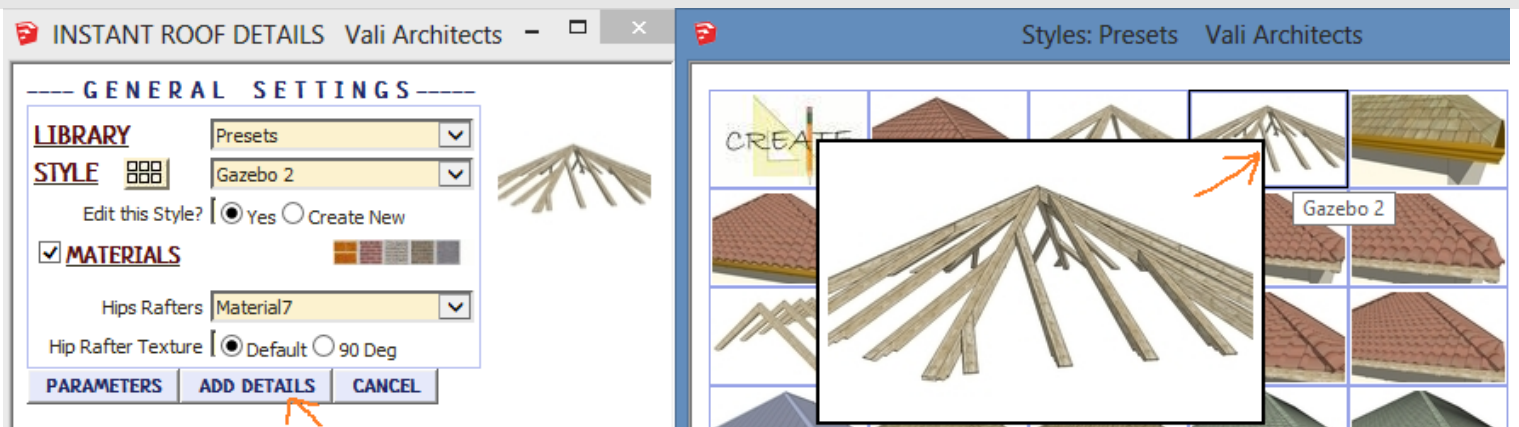
The output should be something like this:
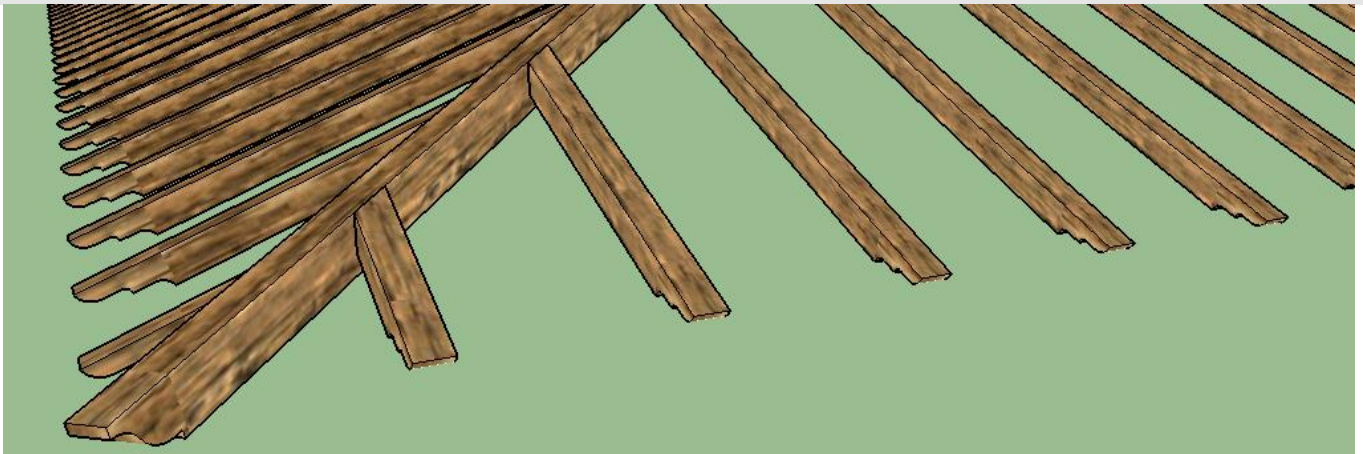
A face can be used to create a projecting trellis. Select the face and edge or edges that are to be against the wall.
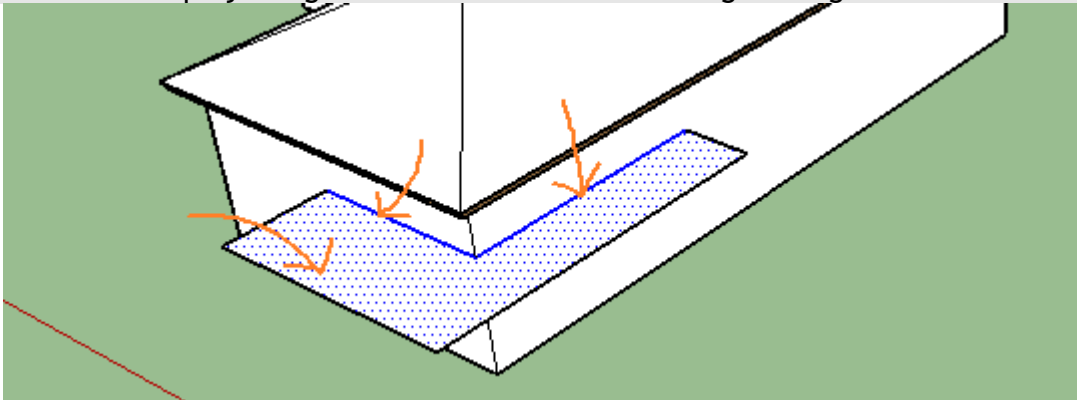
Choose parameters or a preset wood framing style:
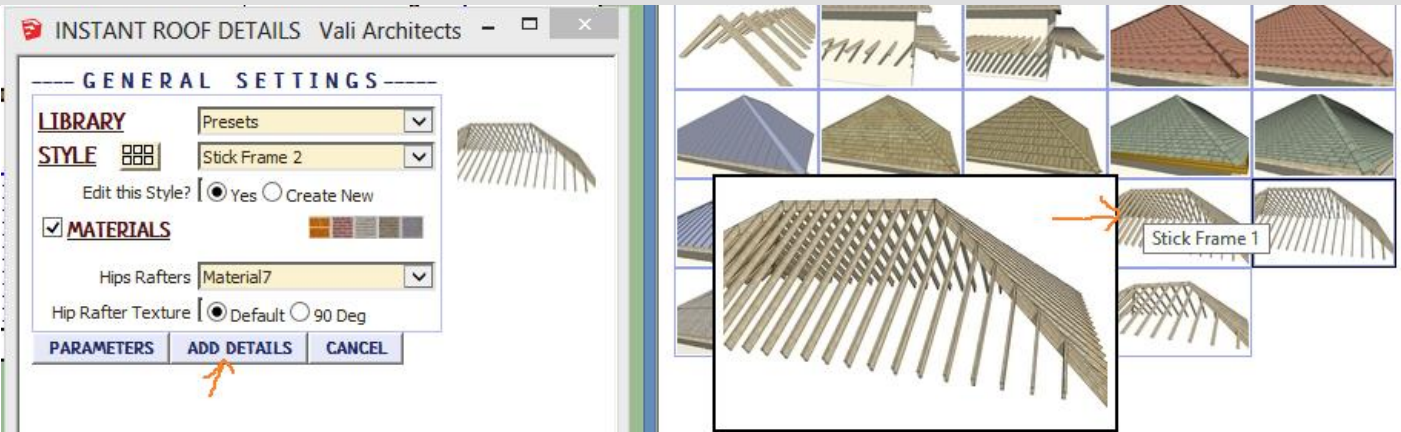
The output should be a trellis:
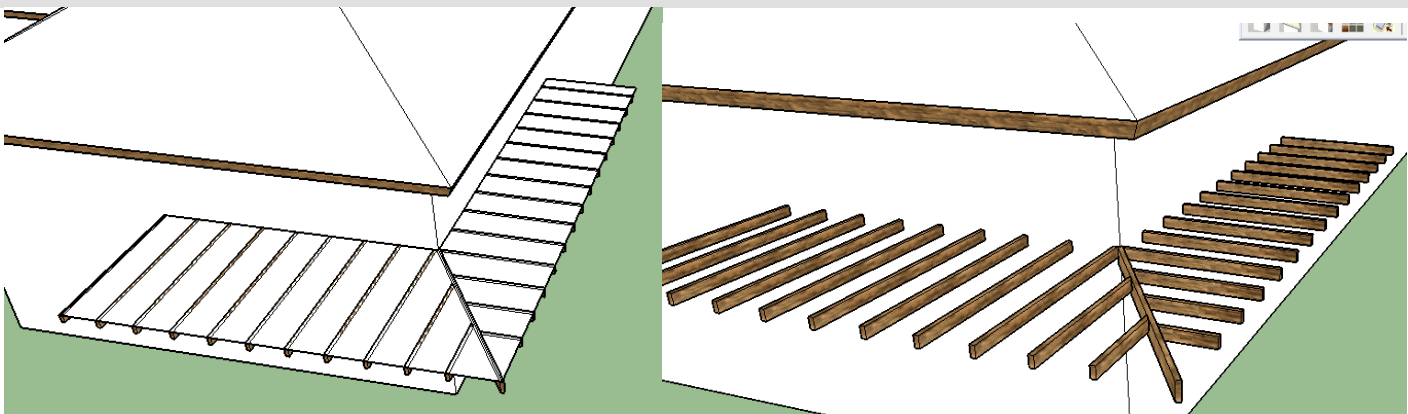
One or more lines with no connecting faces can be selected and used to create a beam. Draw a line and select it. Choose a beam size and type from the menu:
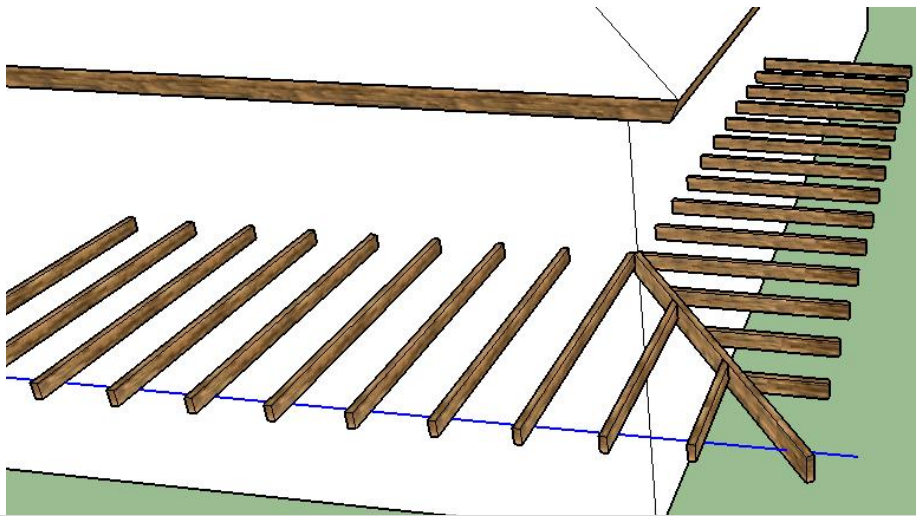
The output will be a beam placed under the line.
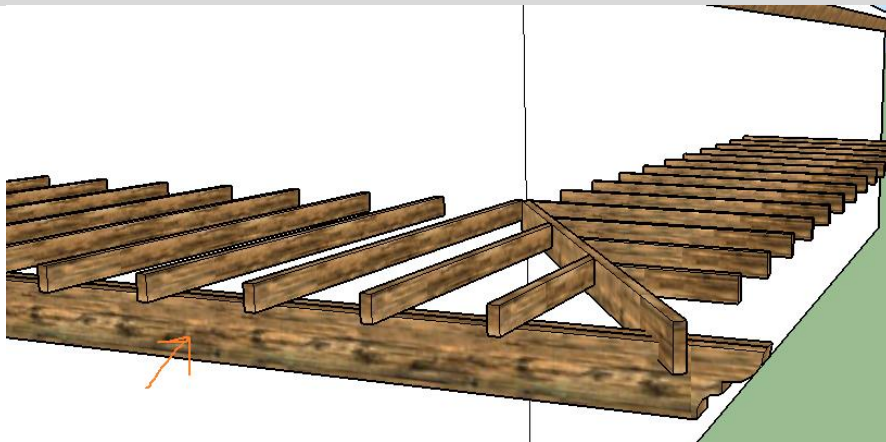
Trusses (Added in version 2.7)

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.

☑ **TRUSS**

Type	▦	Scissor 0 ▾
Chord Height +/-	**0.00"** ⬅	
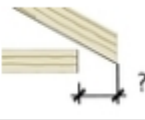
Inset edge of chord from roof line

Type	▦	Scissor 0 ▾
Chord Height +/-	**0.00"**	
Chord Inset	**0.00"** × ⬅	

Chord depth dimension

Chord Inset	**0.00"**
Chord Depth	**3.50"** × ⬅
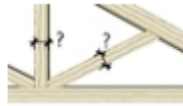
Dimension for king post and diagonal widths

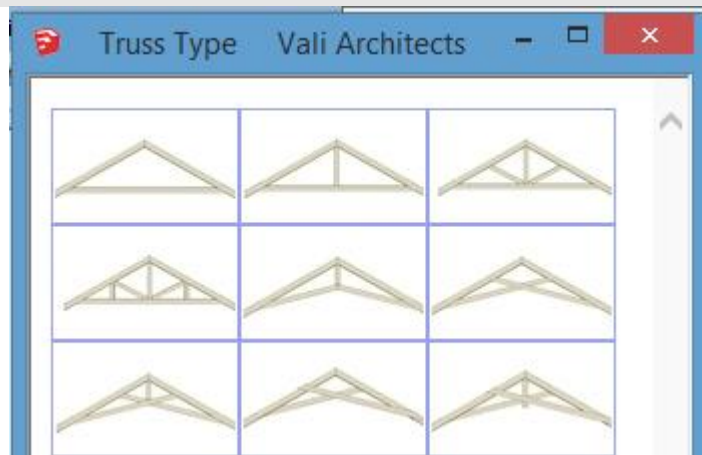|	
Chord Inset	0.00
Chord Depth	**3.50"**
Web Thickness	**3.00"** × ⬅

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

Web Thickness	**3.00"**
Scissor Angle	**15.0** ⬅

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.

STYLE ▦ | New Detail Style ▾ |
Edit this Style? ⦿ Yes ○ Create New
☐ **MATERIALS** ▢▢▢▢▢
Align Double Slope ↙ ⦿ Yes ○ No

STYLE ▦ | New Detail Style ▾ |
Edit this Style? ⦿ Yes ○ Create New
☐ **MATERIALS** ▢▢▢▢▢
Align Double Slope ↓ ○ Yes ⦿ No