

Instant Roof Nui *Roof*

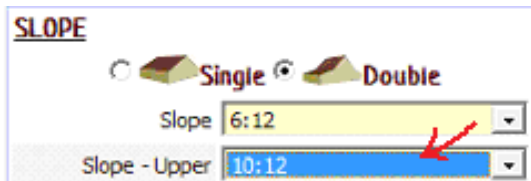
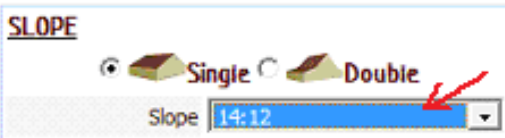
Parameters

See Instant Roof tutorials for additional information. Basic methods and parameters are the same.

Slope Type Single or Double pitch. (Double pitch is limited to roofs with a single eave height) or Jerkinhead gable

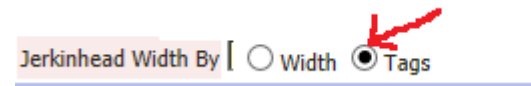
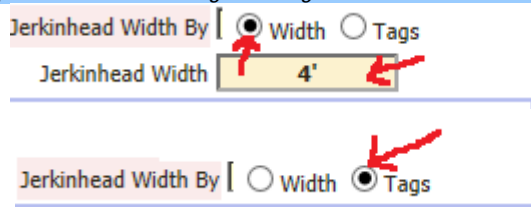


Slope Value Rise:Run is displayed for Architectural units. Angles for other unit types.

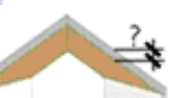
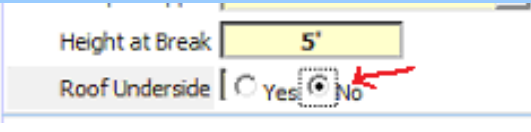
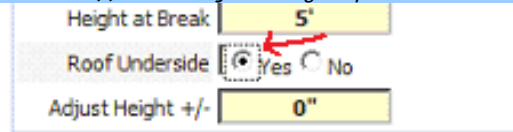


Height at Break For Double Slope Roof. Value is from generating face elevation to roof break

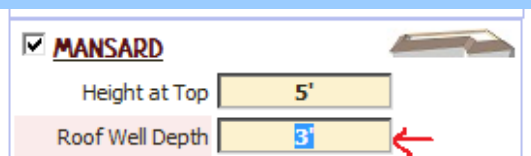
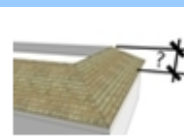
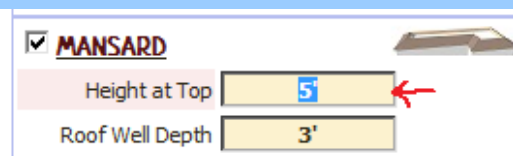
Jerkinhead width when set by width, all gables will have same Jerkinhead width. When set by Tags, each gable will get clipped at the number entered in the note tag text. (Each tag should point to a selected gable edge and must also be selected.)



Underside or Roof thickness Height is set to calculated underside of roof where possible. This may be adjusted up or down (-) with 'Adjust Height' parameter



Mansard Create mansard with top at specified height above HIGHESTt input face and well depth down from top.




Eave

Types

EAVE

Type **Square Cut Boxed-In**


Eave Width **1' 4"**



EAVE

Type **Square Cut Exposed**


Eave Width **1' 4"**



EAVE

Type **Square Cut Soffited**


Eave Width **1' 4"**



EAVE

Type **Plumb Cut Boxed-In**


Eave Width **1' 4"**



EAVE

Type **Plumb Cut Exposed**


Eave Width **1' 4"**



EAVE

Type **Plumb Cut Soffited**

Eave Width **1' 4"**



Eave Parameters

EAVE

Type **Plumb Cut Boxed-In**

Eave Width **1' 4"**

Eave Width **1' 4"**

Eave Width Gable **1' 4"**

Fascia Height **6 1/2"**

Fascia Height **6 1/2"**

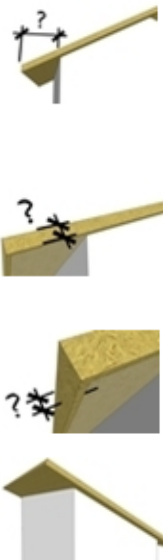
Fascia Thickness **1 1/2"**

Roof Thickness **2"**

Eave Width Gable **1' 4"**

Fascia Height **6 1/2"**

Shed Upper Eave Yes No



EAVE

Type **Square Cut Boxed-In**

Eave Width **1' 4"**

Eave Width Gable **1' 4"**

Fascia Height **6 1/2"**


Fascia Thickness **1 1/2"**

Roof Thickness **2"**

Eave Width Gable **1' 4"**

Fascia Height **6 1/2"**

Shed Upper Eave Yes No




Fascia Trim

TRIM

Trim Width **1"**


Trim Height **2"**



TRIM

Trim Width **1"**

Trim Height **2"**



Greek Eave Returns *Only available for Square Cut Soffited and Plumb Cut Soffited eave types. Additional options shown below are available for Plumb Cut Soffited eave type.*

GREEK RET


Type Hip Gable



GREEK RET

Type Hip Gable


Length **6"**



GREEK RET

Type Hip Gable

Length **6"**



Hips

HIPS

Type | Full Eaves

Adjust Height +/-



HIPS

Type | Full Eaves

Width



Dimensions

HIPS

Type | Full Eaves

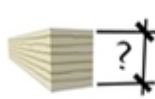
Adjust Height +/-



Type | Full Eaves

Width

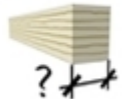
Depth



HIPS

Type | Full Eaves

Width



Types

End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



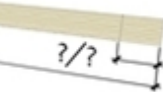
End



End Conditions

End

End Length Ratio



Type

End Length x



End Length Ratio

Hip Tops Yes No



End Length Ratio


Hip Tops Yes No



Rafters

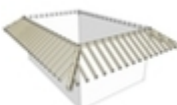
RAFTERS

Type | Full Eaves



RAFTERS

Type | Full Eaves



Dimensions

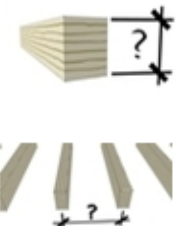
Type | Full Eaves

Width | **1 1/2"**

Depth | **3 1/2"**

Depth | **3 1/2"**

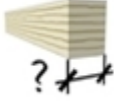
Spacing | **1' 4"**



RAFTERS

Type | Full Eaves

Width | **1 1/2"**



Types

End | Rectangular

End | Angle 2

End | Angle 4

End | Cove 1

End | Cove 3

End | Radius 2

End | Radius 4

End | Radius 6


End | Scarf

End | Scroll 2

End | Scroll 4

End | Stepped

End | Stepped 3



End | Angle 1

End | Angle 3

End | Chamfer 1

End | Cove 2

End | Radius 1

End | Radius 3

End | Radius 5

End | Radius 7


End | Scroll 1

End | Scroll 3

End | Scroll 5

End | Stepped 2

End | Stepped 4



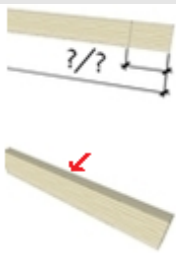
End Conditions

End | Rectangular

End Length Ratio | **1/4**

End Length Ratio | 1/4

Rafter Tops | Yes No

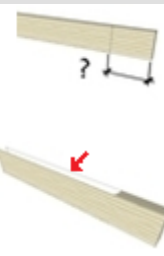


End | Rectangular

End Length | **1**

End Length Ratio | 1/4


Rafter Tops | Yes No



Barge Rafters

BARGE

Inset | **1 1/2"**



Bird Blocking *For Eave Rafter Tails only. Not available for full length Rafters*


BLOCKING

Type Square Plumb



BLOCKING

Type Square Plumb



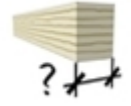

Corbels *Available for use with soffited eave types only.*

CORBELS

Width ←

Depth

Spacing Approx ←

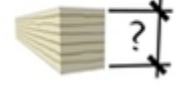

CORBELS

Width

Depth ←

Spacing Approx

Inset ←

Types

End

End

End

End

End

End

End

End



End




End


End


End

End







End

End

End

End

End

End

End

End



End






End




End

End

End

Beams

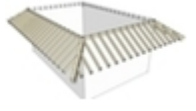
BEAMS

Type | Full Eaves



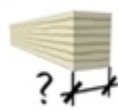
BEAMS

Type | Full Eaves



BEAMS

Type | Full Eaves



Width

Width

Depth



Types

End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



End



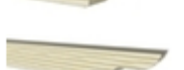
End



End

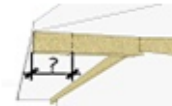


End



End

End Length



Cornice Moulding *Available for use with soffited eave types only.*

Preset Types

CORNICE

Type

Width



CORNICE

Type

Width



CORNICE

Type

Width

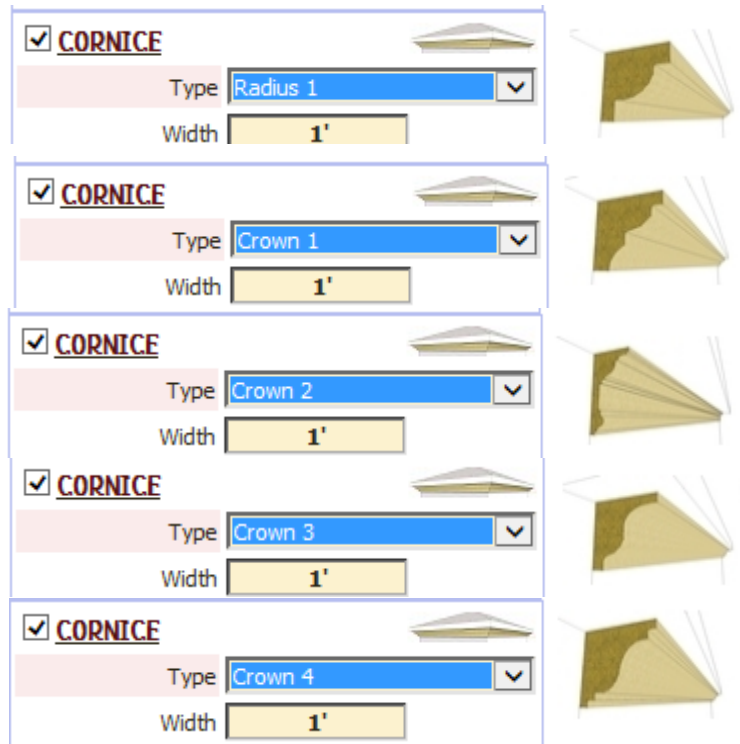
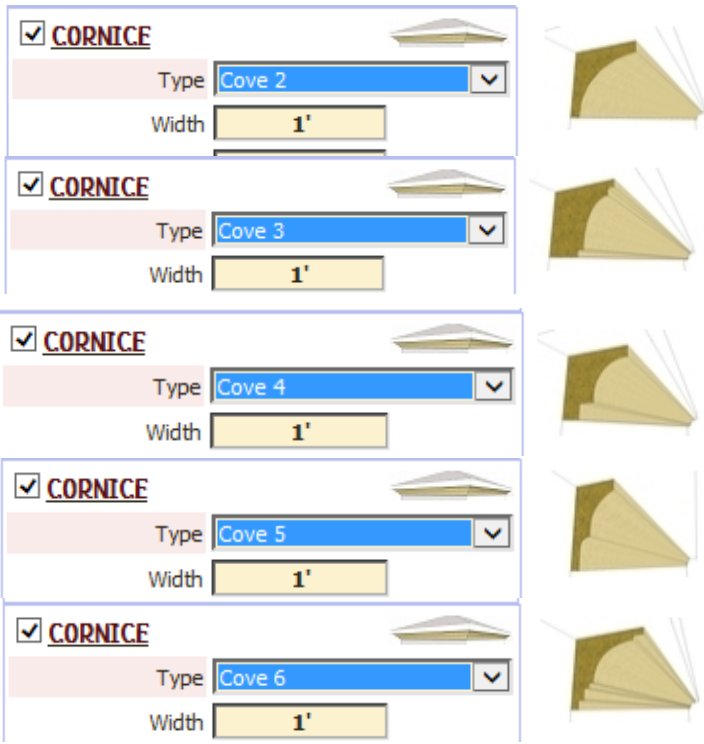


CORNICE

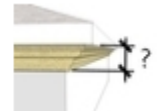
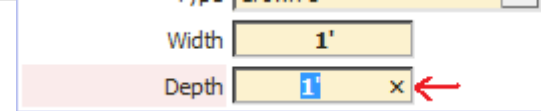
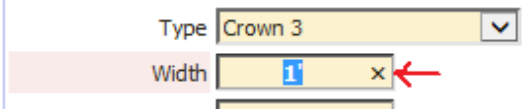
Type

Width

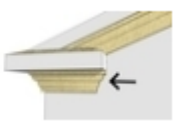
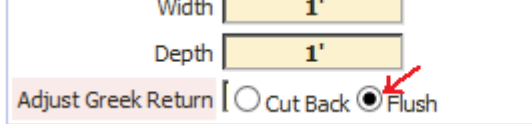
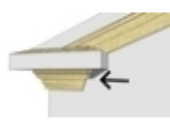
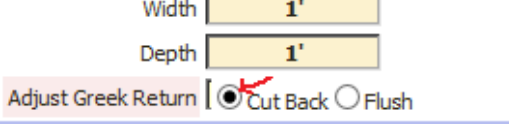




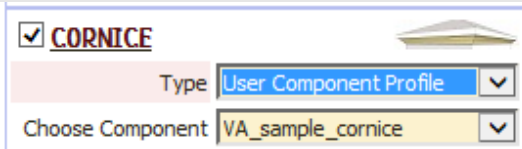
Width and Depth



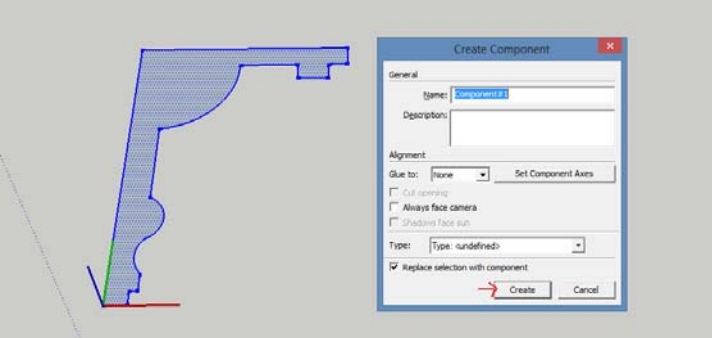
Return Length at Greek Gable *Available for use with Greek Gables only*



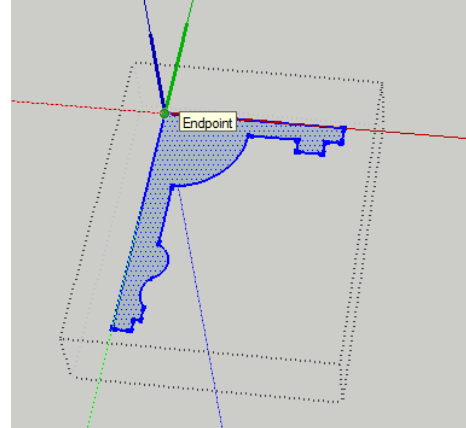
Create Custom Profile



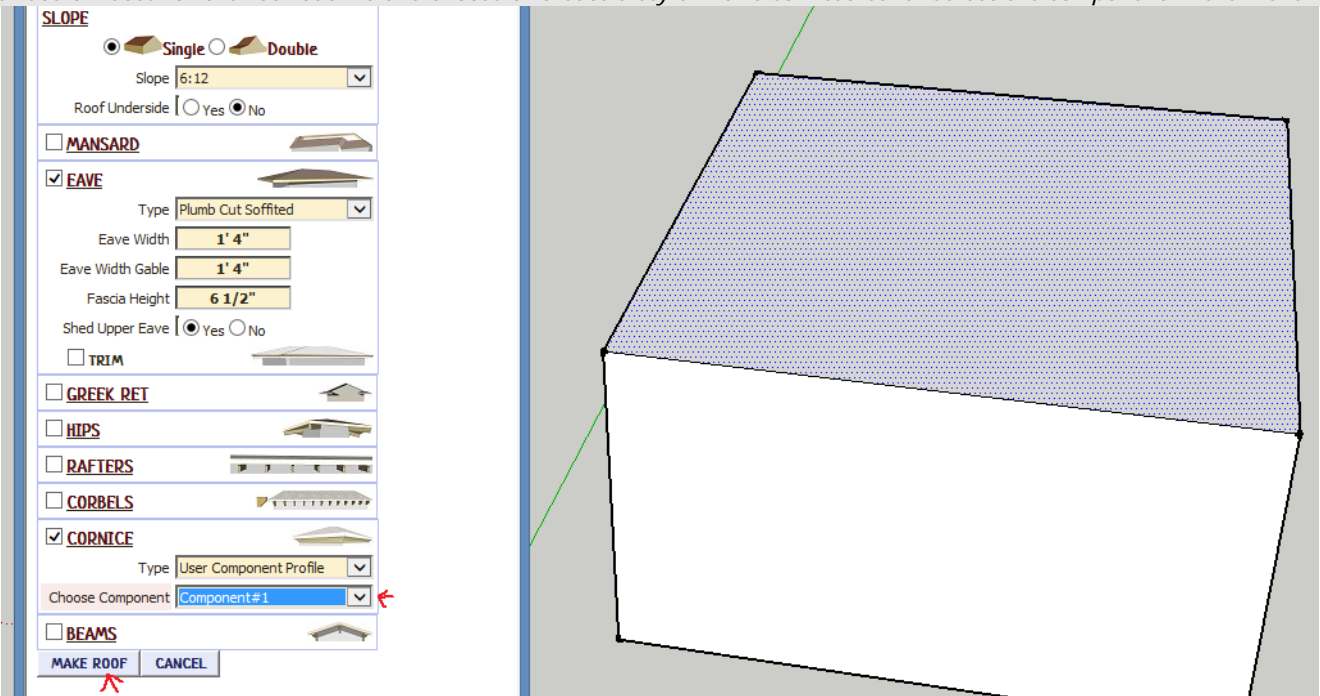
1. Draw a 2d profile in the x-y plane and make it into a component



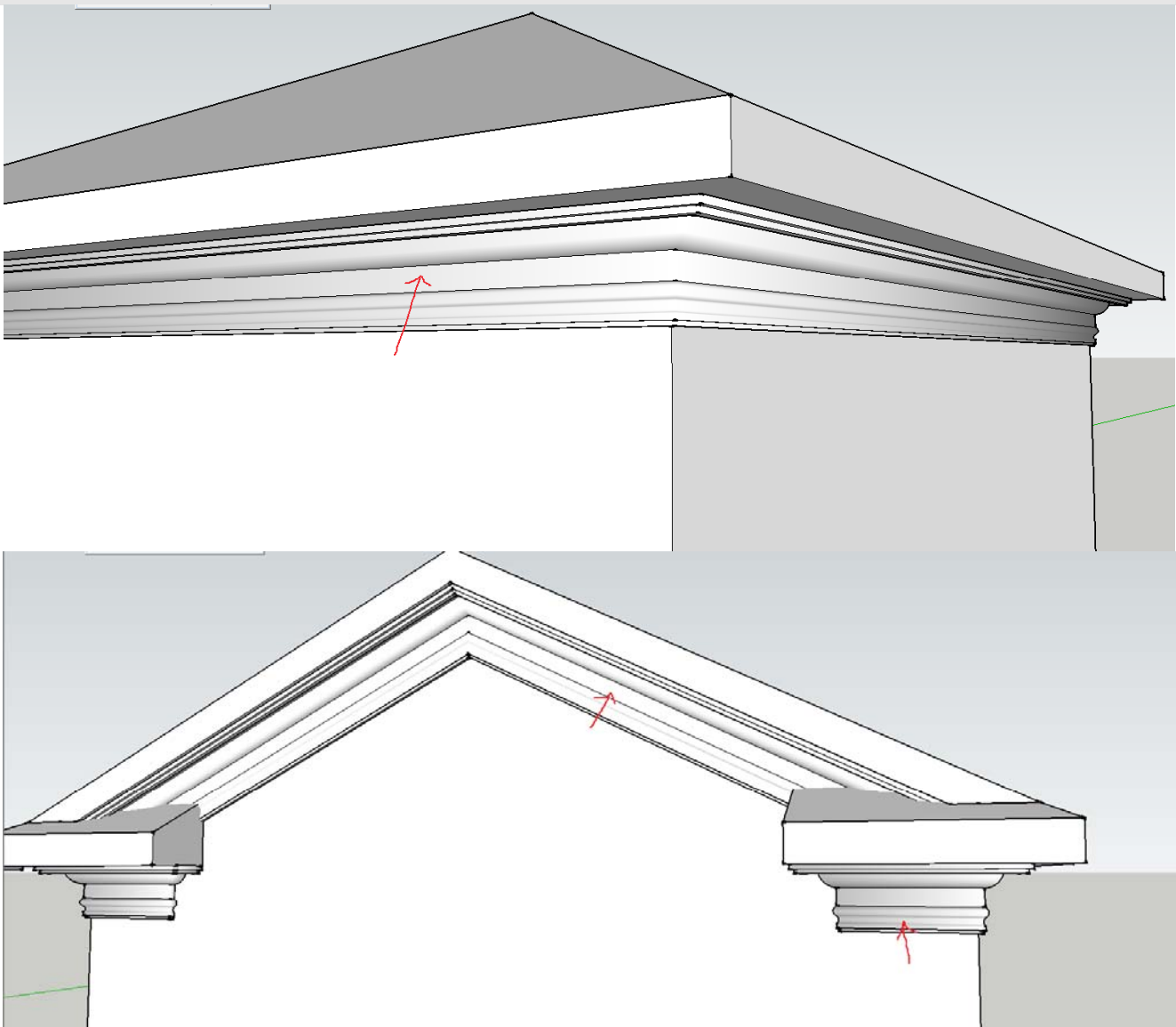
2. Edit the component so that the upper left corner is at the origin of the component axis



3. Select a face or faces for the roof outline and choose or create a style with a soffited eave. Select the component in the menu

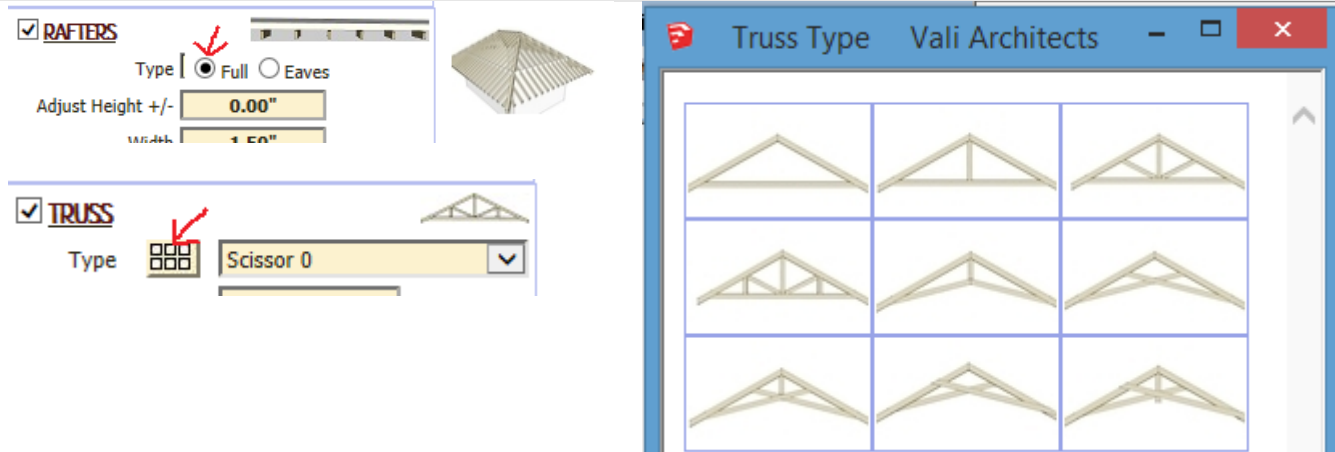


4. The cornice will be located under the soffit and on gable ends.



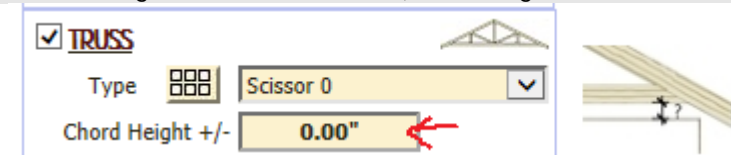
Trusses (Added in version 2.7)

To make trusses, first check the Rafters box and set to Full frame. Then choose one off the truss shapes. Although the script will attempt to make a truss out of hips and jack rafters as well, this method is intended primarily for gable roofs.

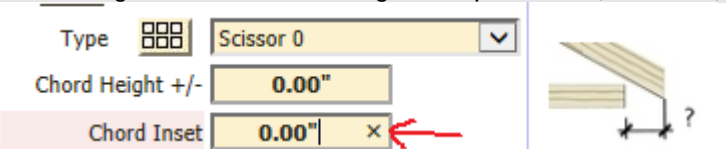


Truss parameters:

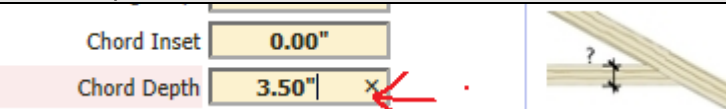
Chord height above or below (enter negative value for below) bottom of input face (wall height).



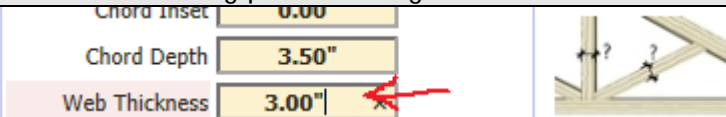
Inset edge of chord from edge of input face (wall line)



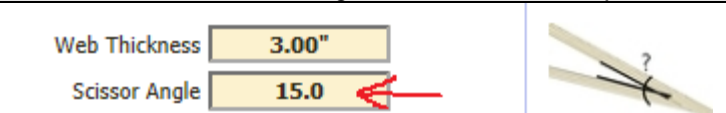
Chord depth dimension



Dimension for king post and diagonal widths



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



More on Jerkinhead gables (Added in version 3.2)

When a different Jerkinhead width is desired at different gable ends, use the Sketchup text tool to add a note to each gable end with a number indicating the width. If no text note tag is at a gable, it will not be clipped.

