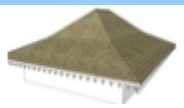
Instant Roof Nui Roof

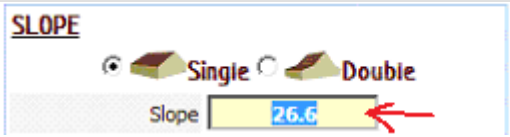
Parameters

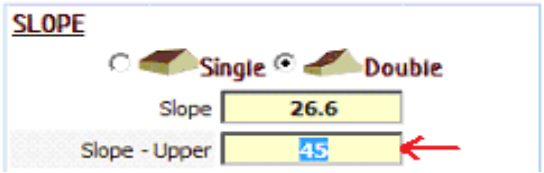
See Instant Roof tutorials for additional information. Basic methods and parameters are the same.

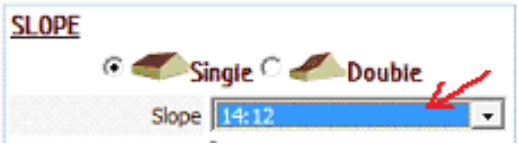
Slope Type *Single or Double pitch. (Double pitch is limited to roofs with a single eave height) or Jerkinhead gable*

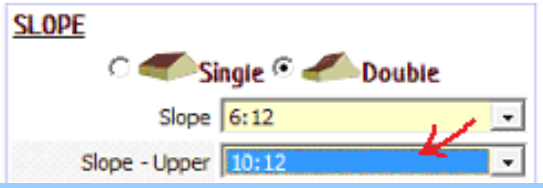




Slope Value *Rise:Run is displayed for Architectural units. Angles for other unit types.*

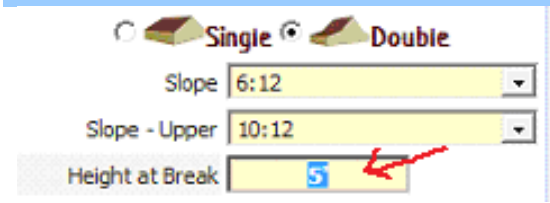


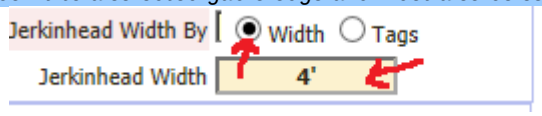



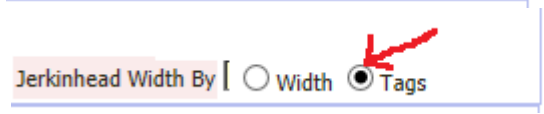



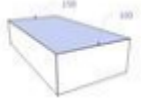
Height at Break *For Double Slope Roof. Value is from generating face elevation to roof break*



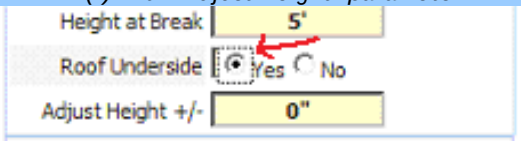
Jerkinhead width *when set by width, all gables will have same Jerkinhead width. When set by Tags, each gable will get clipped at the number entered in the note tag text. (Each tag should point to a selected gable edge and must also be selected.*

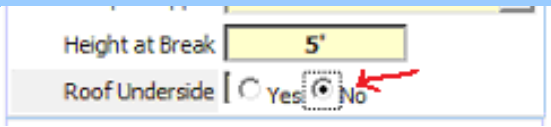


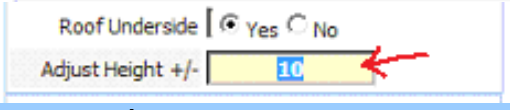





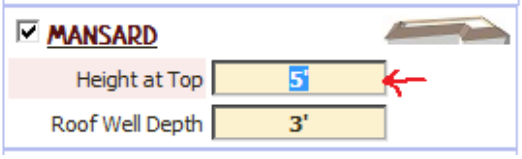
Underside or Roof thickness *Height is set to calculated underside of roof where possible. This may be adjusted up or down (-) with 'Adjust Height' parameter*

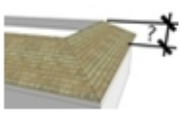
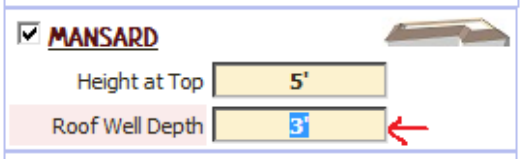


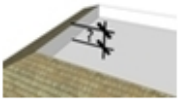



Mansard *Create mansard with top at specified height above HIGHESTt input face and well depth down from top.*

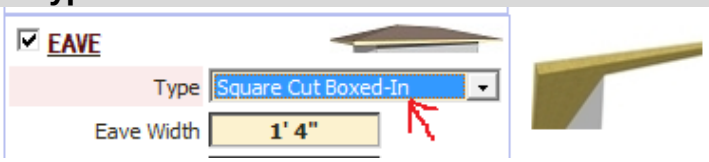


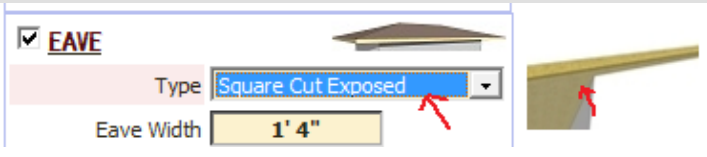



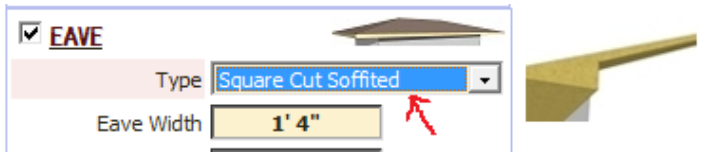


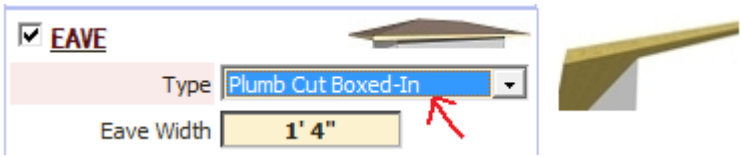
Eave

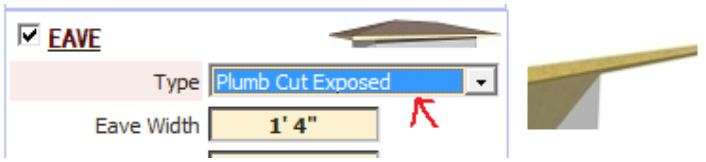
Types

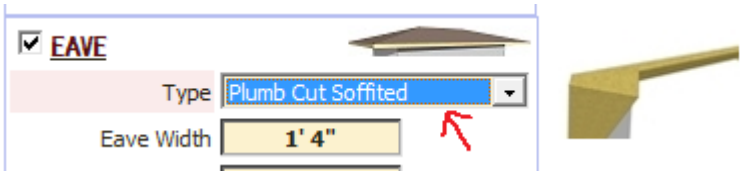




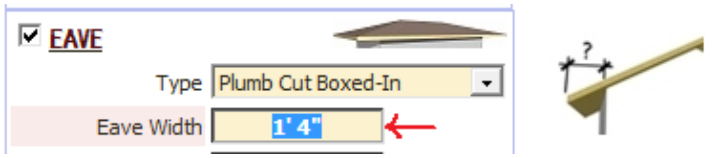


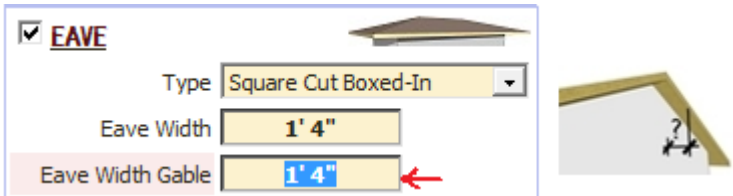


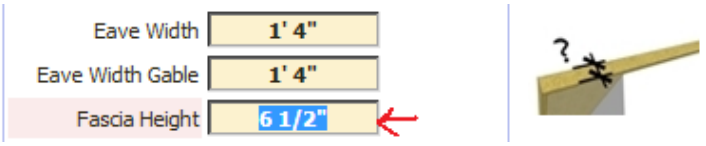


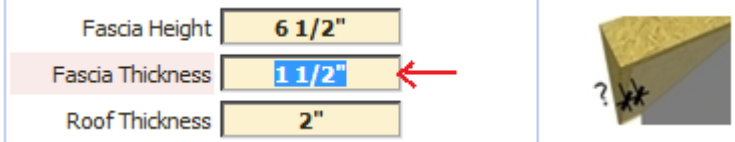


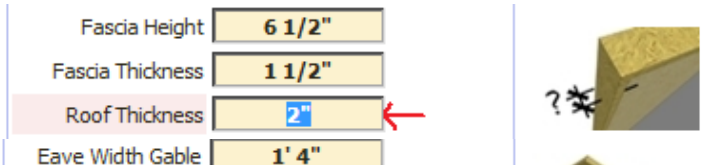
Eave Parameters

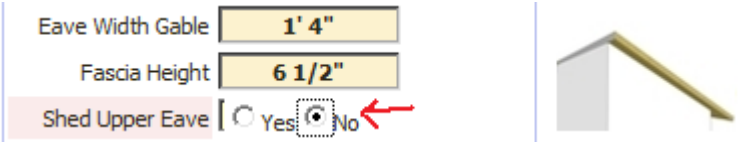




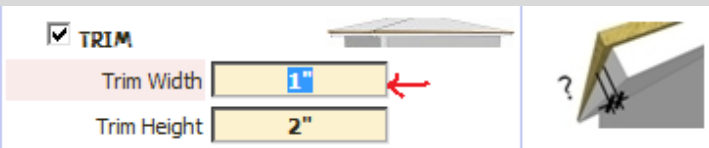


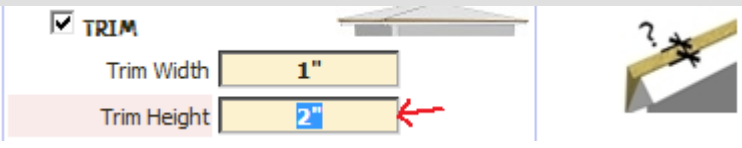




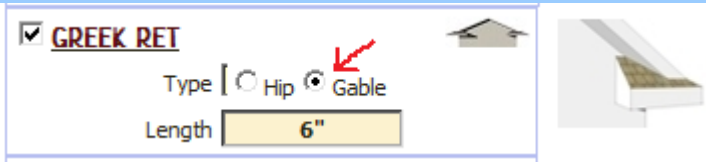


Fascia Trim

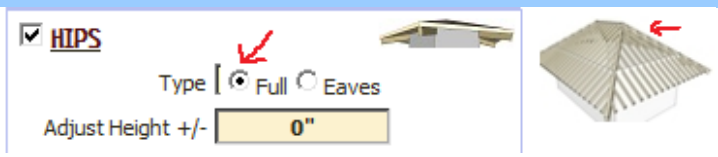


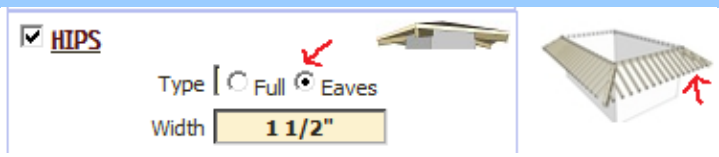


Greek Eave Returns *Only available for Square Cut Soffited and Plumb Cut Soffited eave types. Additional options shown below are available for Plumb Cut Soffited eave type.*

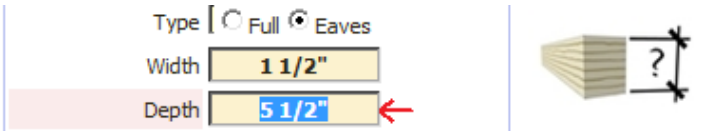


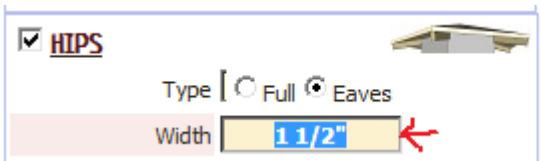
Hips



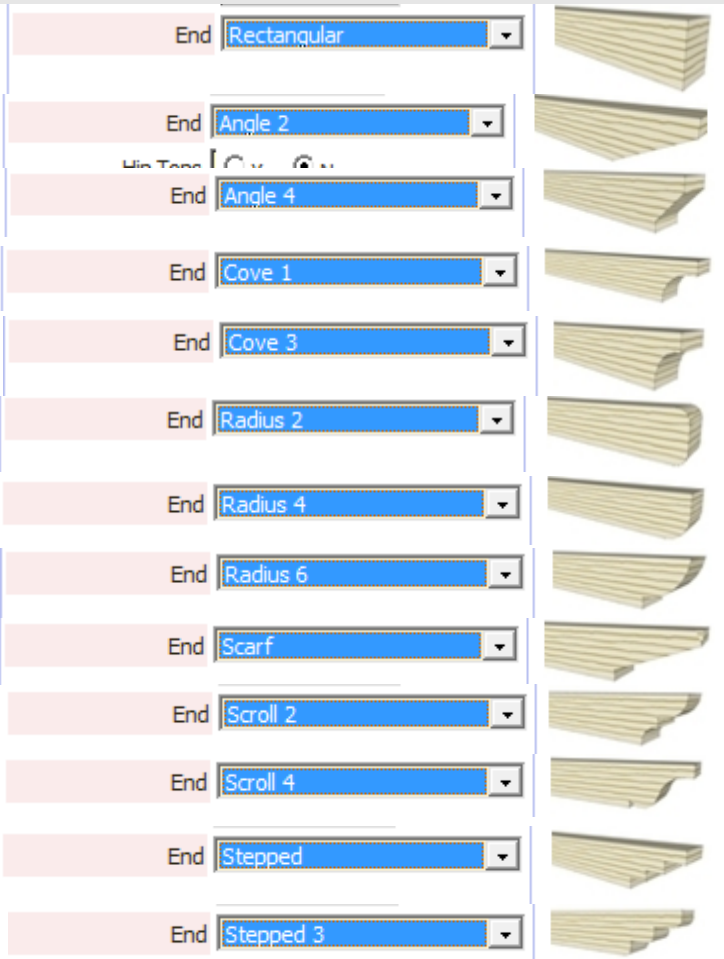


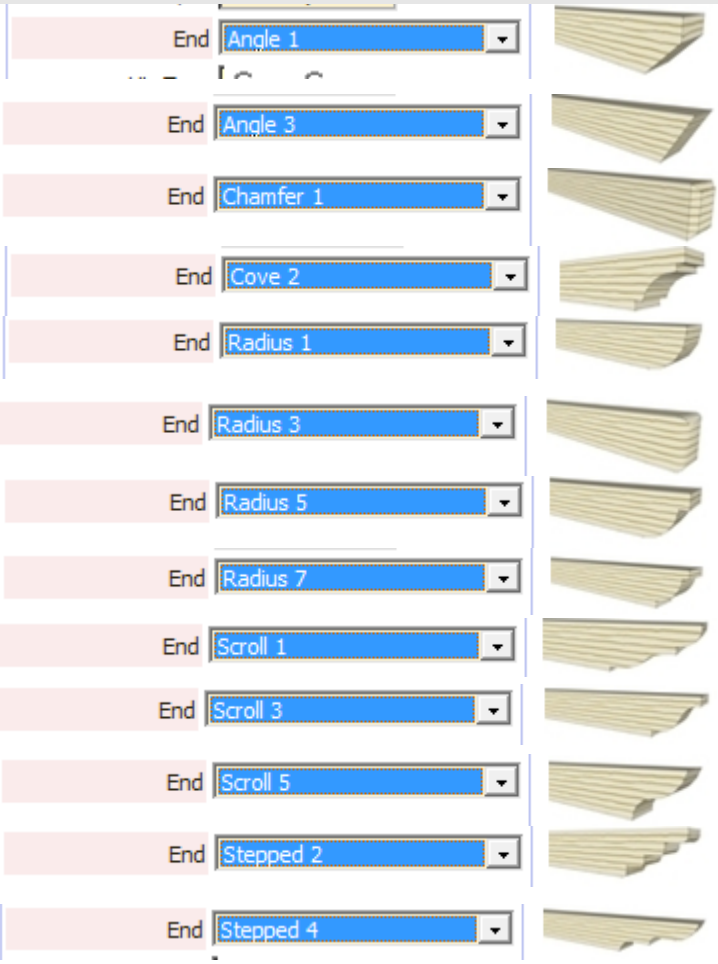
Dimensions



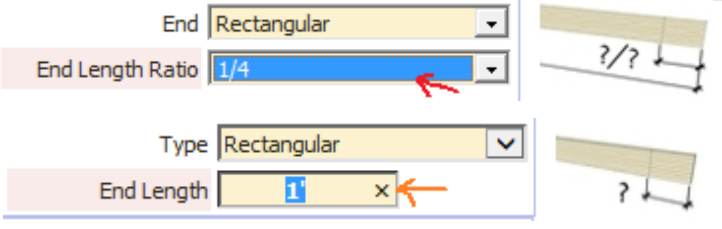


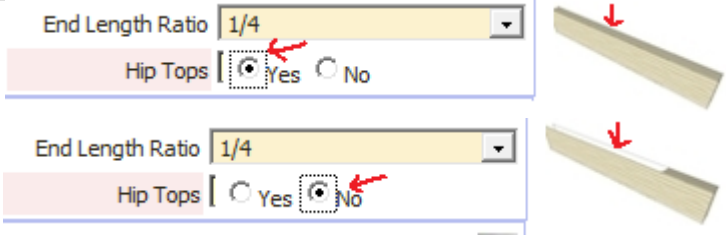
Types



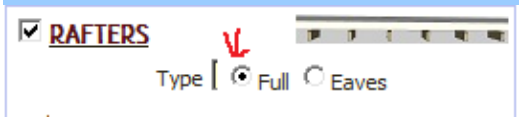


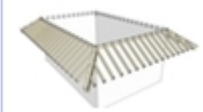
End Conditions



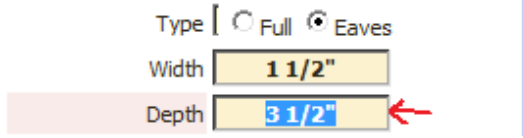


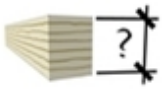
Rafters

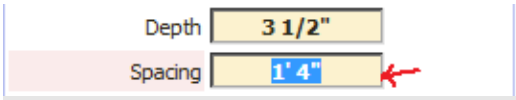


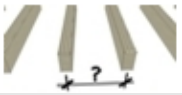


Dimensions

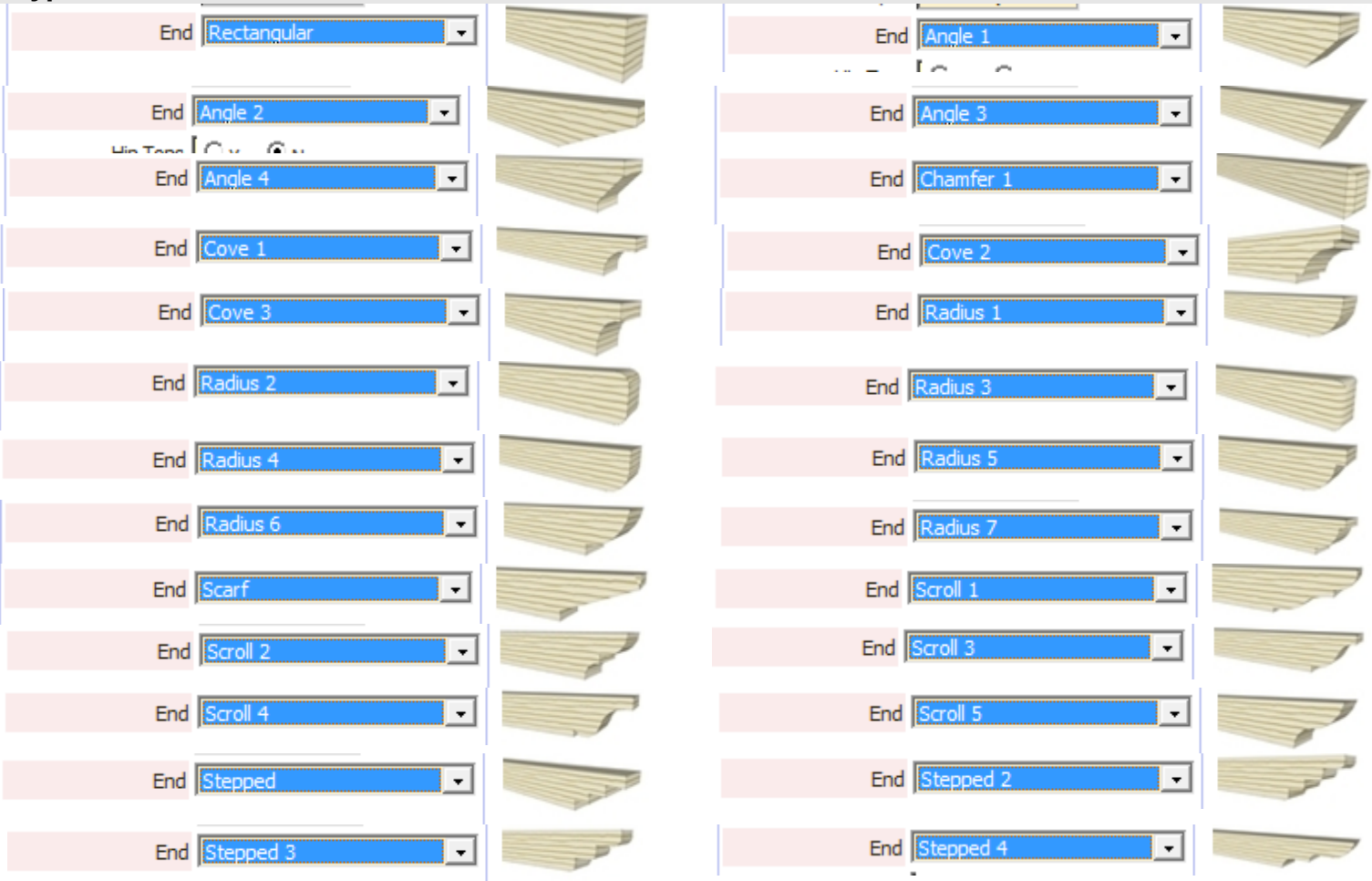




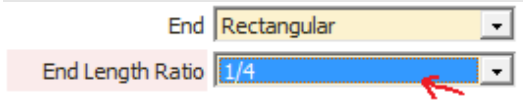


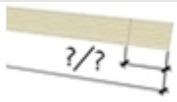


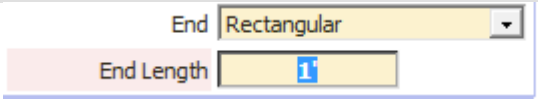
Types

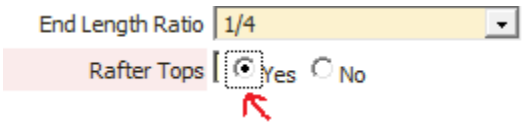


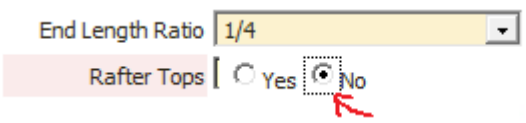
End Conditions



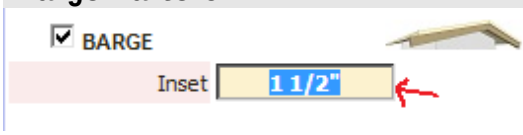




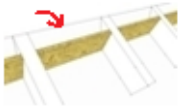




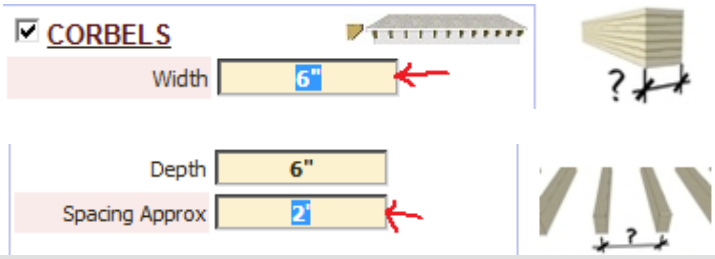
Barge Rafters



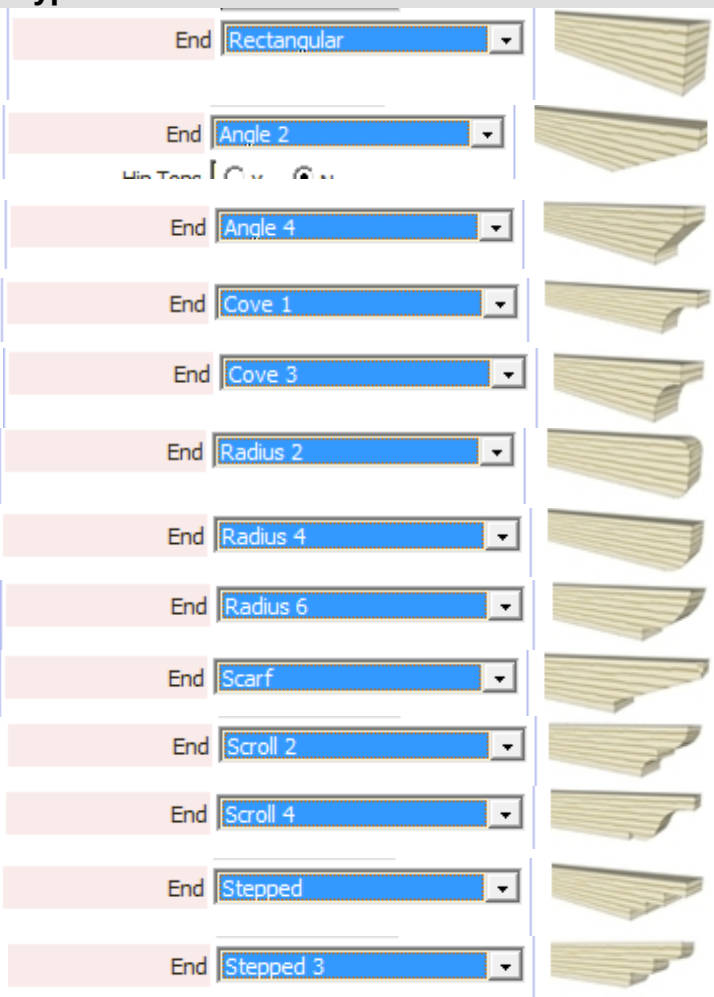
Bird Blocking *For Eave Rafter Tails only. Not available for full length Rafters*



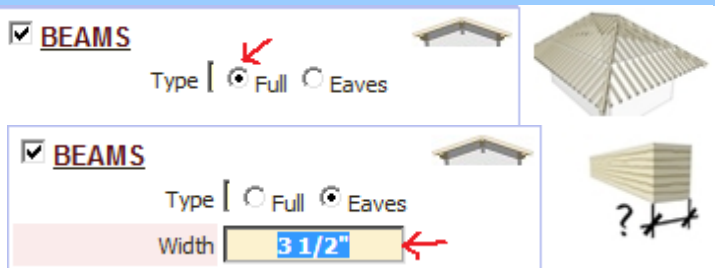
Corbels *Available for use with soffited eave types only.*



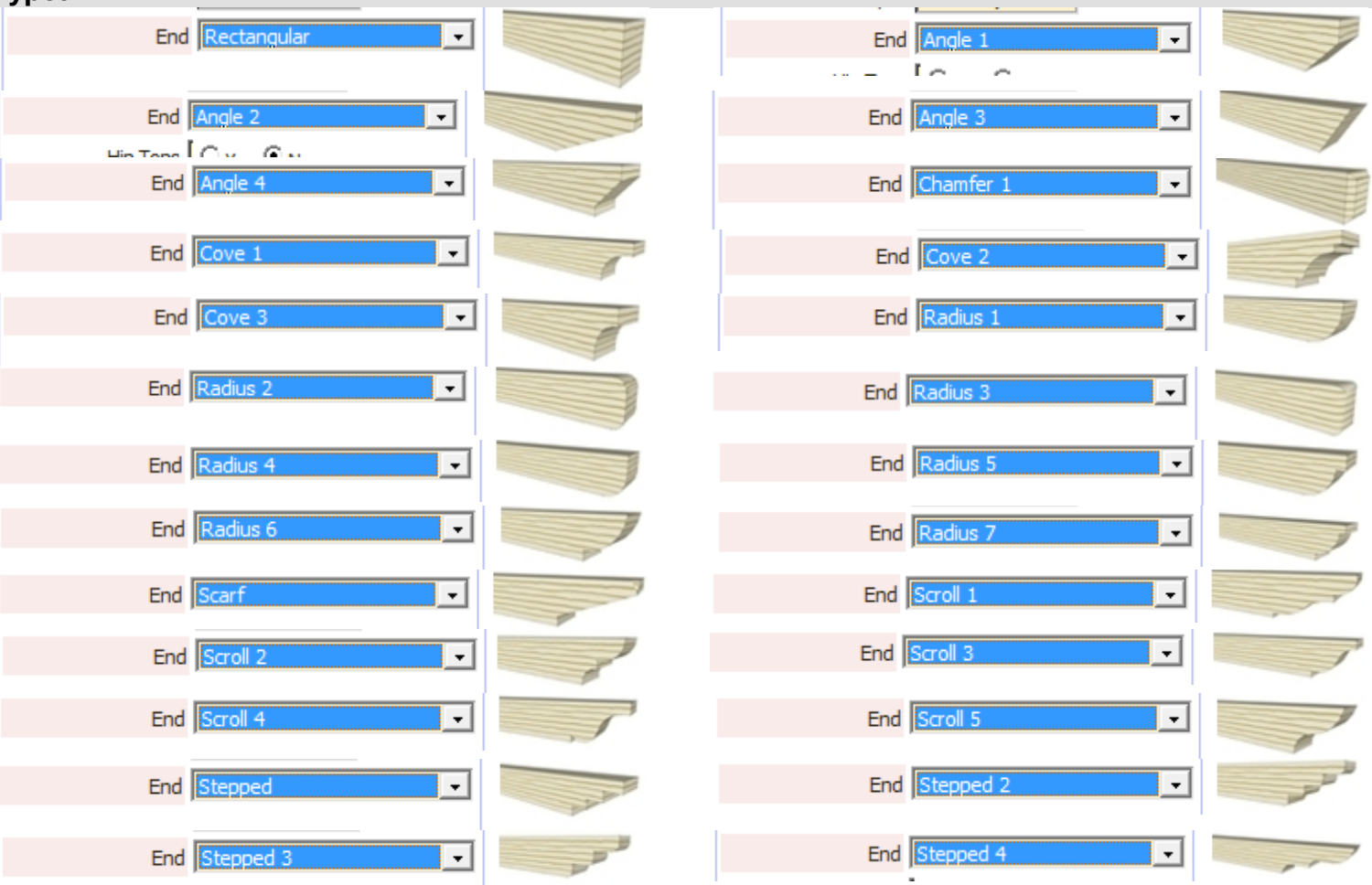
Types

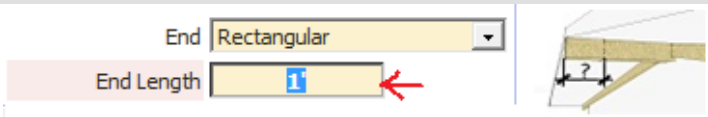


Beams



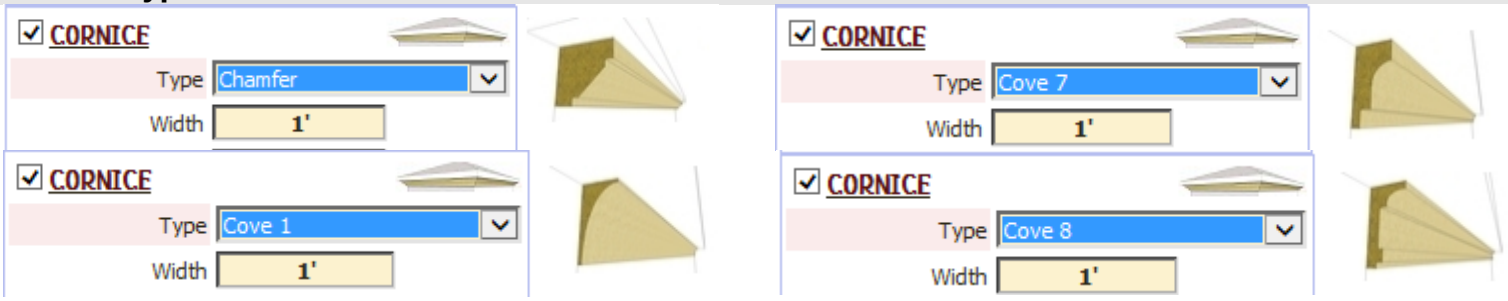
Types

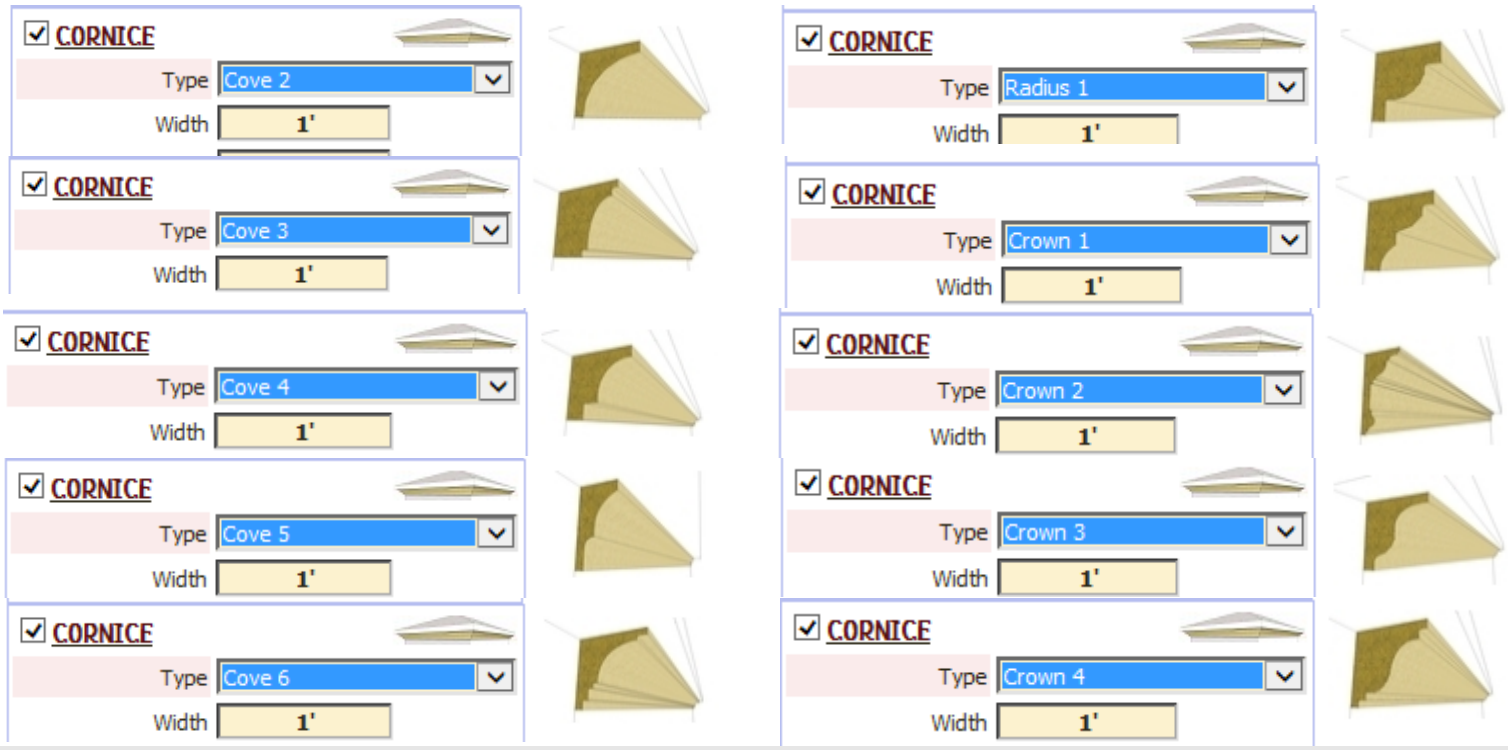




Cornice Moulding *Available for use with soffited eave types only.*

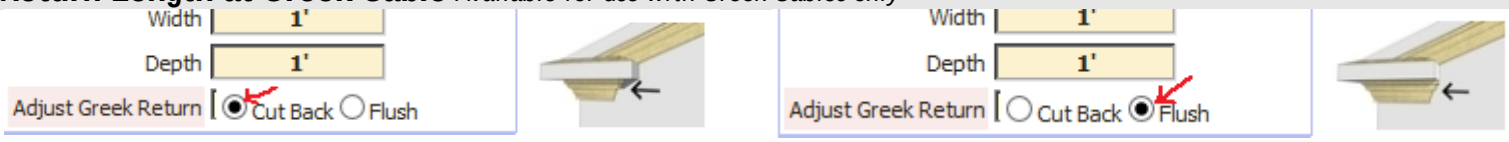
Preset Types



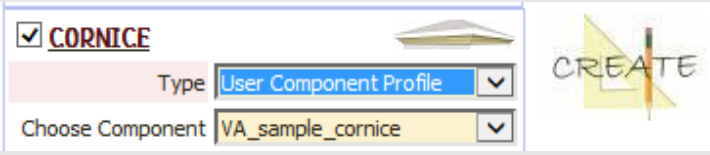


Width and Depth

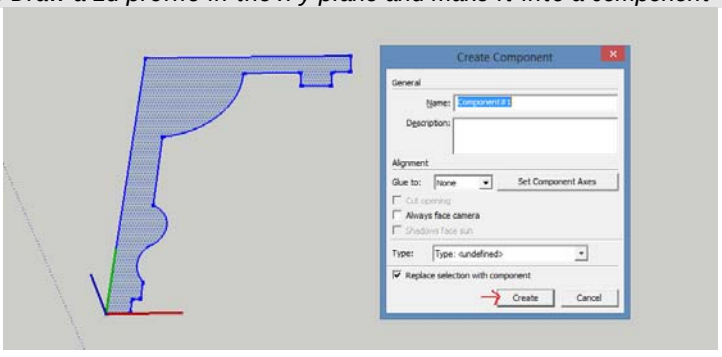
Return Length at Greek Gable *Available for use with Greek Gables only*



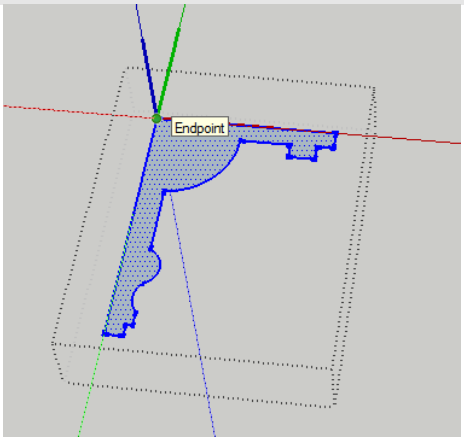
Create Custom Profile



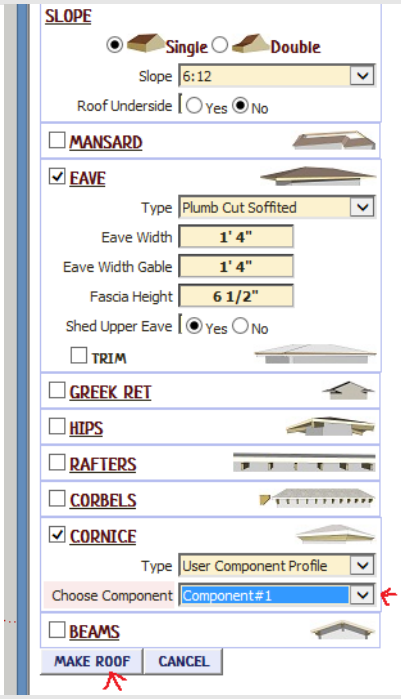
1. Draw a 2d profile in the x-y plane and make it into a component

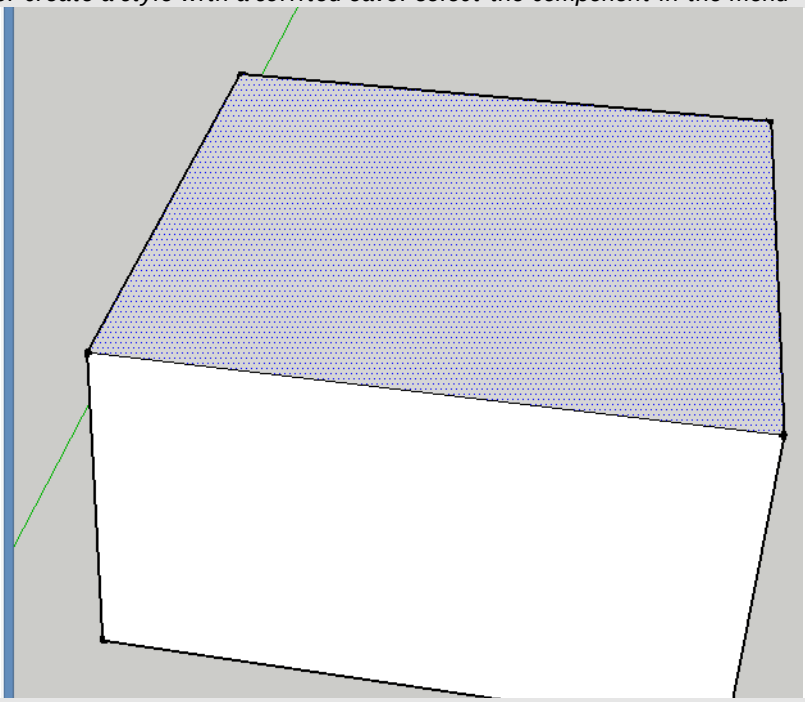


2.Edit the component so that the upper left corner is at the origin of the component axis

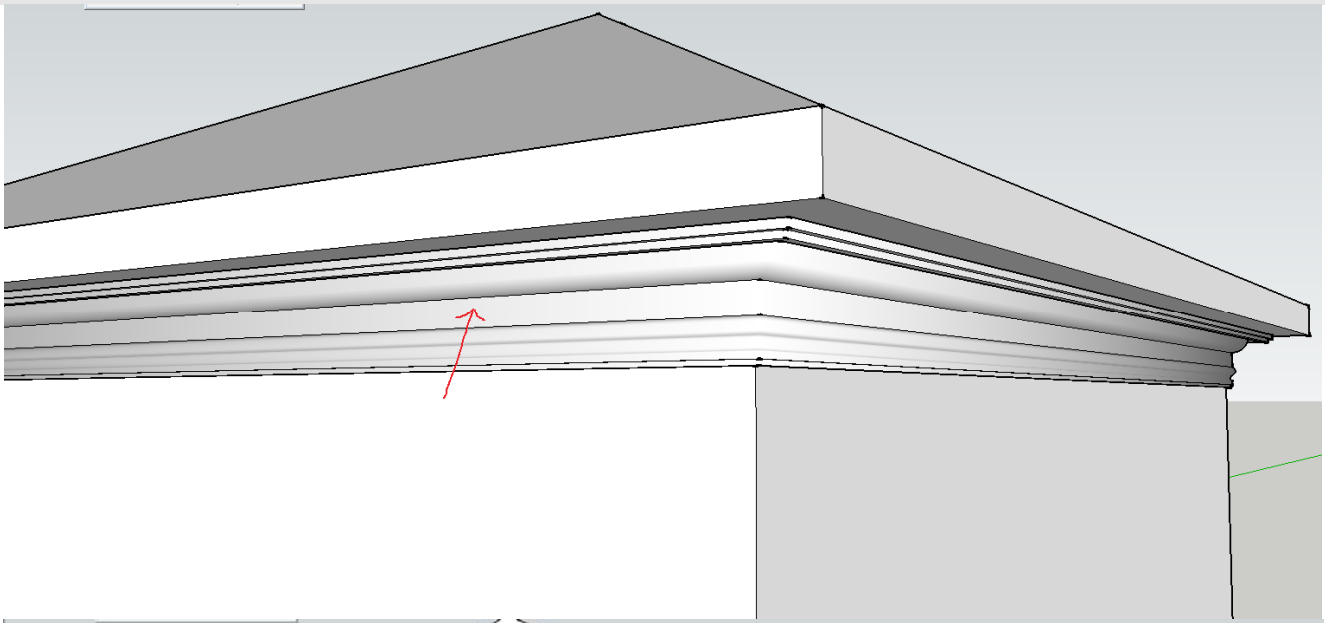


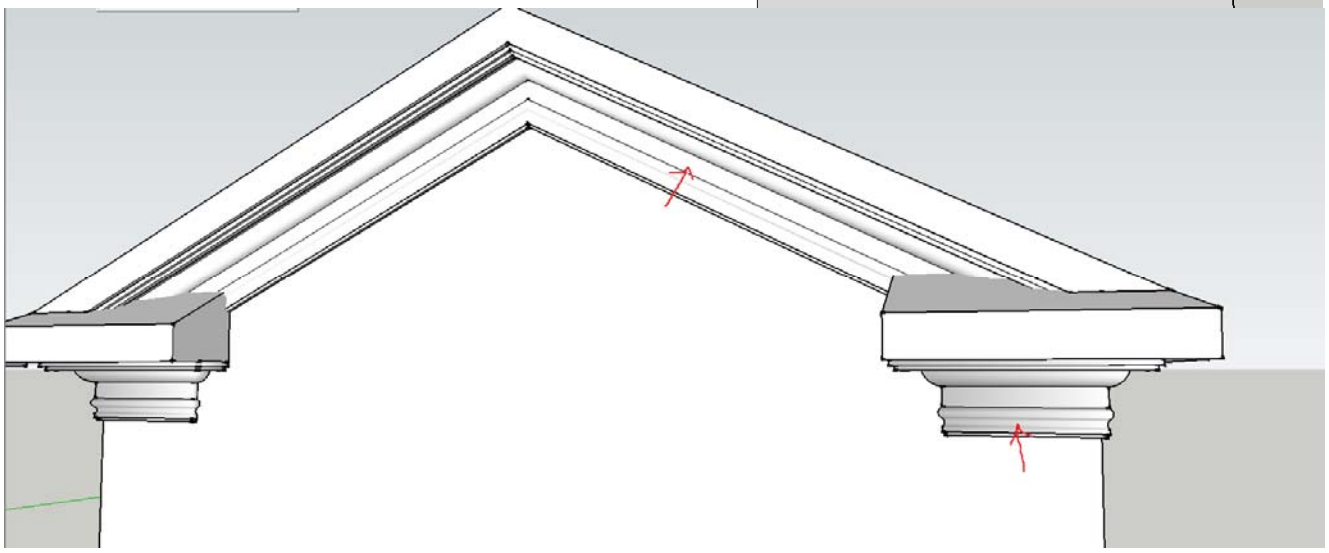
3. Select a face or faces for the roof outline and choose or create a style with a soffited eave. Select the component in the menu





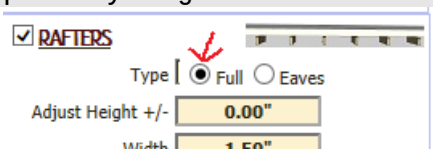
4. The cornice will be located under the soffit and on gable ends.

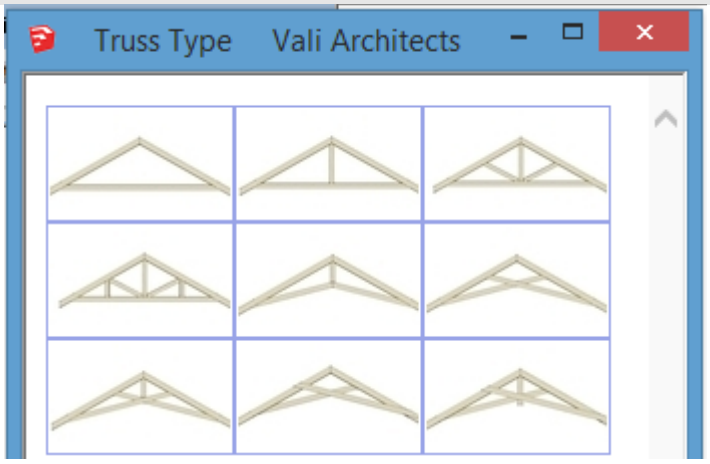




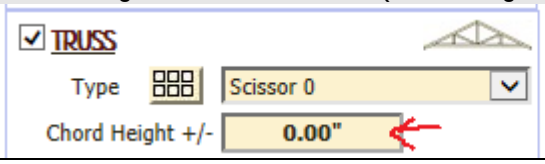
Trusses (Added in version 2.7)

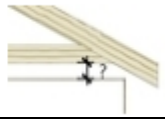
To make trusses, first check the Rafters box and set to Full frame. Then choose one off the truss shapes. Although the script will attempt to make a truss out of hips and jack rafters as well, this method is intended primarily for gable roofs.



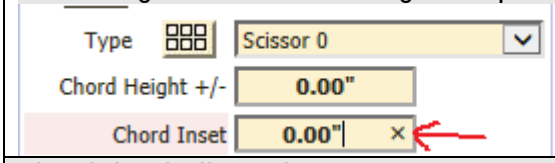


Truss parameters:
Chord height above or below (enter negative value for below) bottom of input face (wall height).

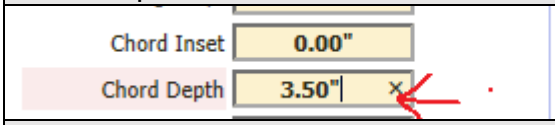


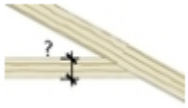


Inset edge of chord from edge of input face (wall line)

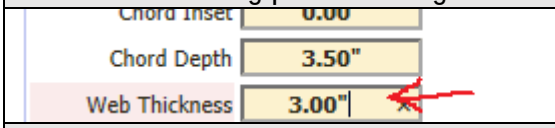


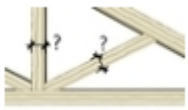
Chord depth dimension



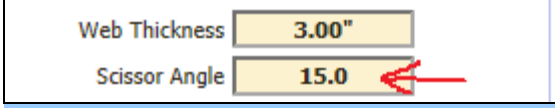


Dimension for king post and diagonal widths





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.