

Instant Roof

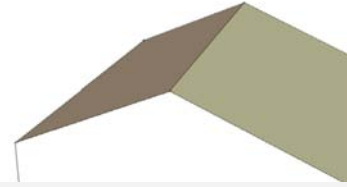
Parameters Make Roof

Roof Styles are collections of parameter settings. They are named and saved in the drawing file and may be exported to and imported from external files.

In each of the examples, a different parameter setting or group of settings is chosen. The corresponding result is shown on the right. While many of the examples show Gable Roofs, most parameters apply to all three roof types: Gable, Shed and Hip.

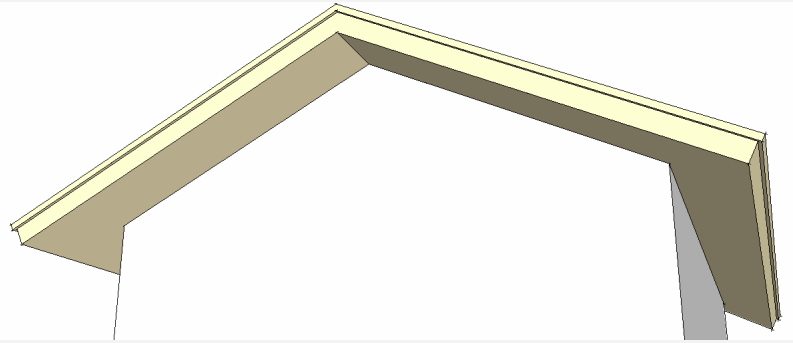
Make Eaves? no

Make Eaves? - - - - -	<input type="text" value="no"/>
-Eave Width	<input type="text" value="3'"/>
-Gable Eave Width	<input type="text" value="3'"/>



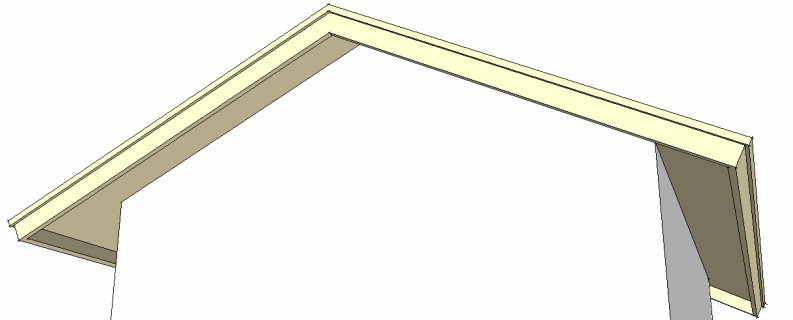
Eave Type Square Cut Boxed-In

Make Eaves? - - - - -	<input type="text" value="yes"/>
-Eave Width	<input type="text" value="24"/>
-Gable Eave Width	<input type="text" value="24"/>
-Eave Type	<input type="text" value="Square Cut Boxed-In"/>
-Fascia Height	<input type="text" value="8''"/>



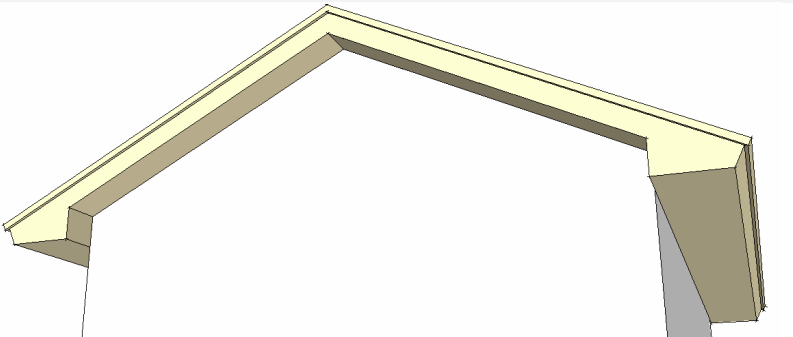
Eave Type Square Cut Exposed

Make Eaves? - - - - -	<input type="text" value="yes"/>
-Eave Width	<input type="text" value="2'"/>
-Gable Eave Width	<input type="text" value="2'"/>
-Eave Type	<input type="text" value="Square Cut Exposed"/>
-Fascia Height	<input type="text" value="8''"/>
-Fascia Thickness if Exposed Eave	<input type="text" value="2''"/>



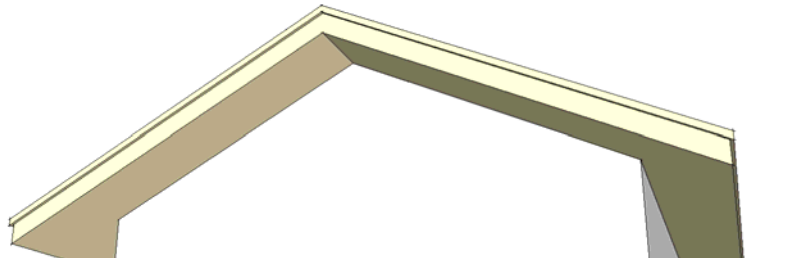
Eave Type Square Cut Soffited

Make Eaves? - - - - -	<input type="text" value="yes"/>
-Eave Width	<input type="text" value="2'"/>
-Gable Eave Width	<input type="text" value="2'"/>
-Eave Type	<input type="text" value="Square Cut Soffited"/>
-Fascia Height	<input type="text" value="8''"/>



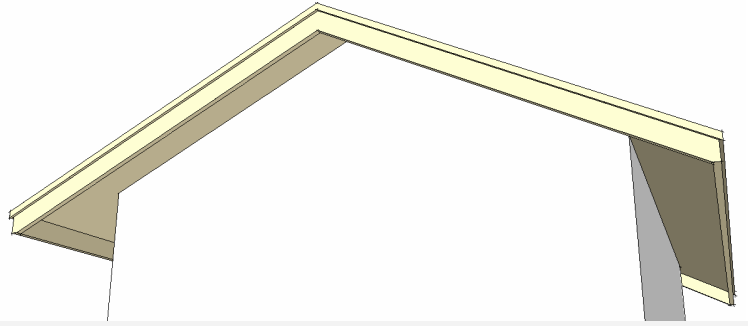
Eave Type Plumb Cut Boxed-In

Make Eaves? - - - - -	<input type="text" value="yes"/>
-Eave Width	<input type="text" value="3'"/>
-Gable Eave Width	<input type="text" value="2'"/>
-Eave Type	<input type="text" value="Plumb Cut Boxed-In"/>
-Fascia Height	<input type="text" value="8''"/>



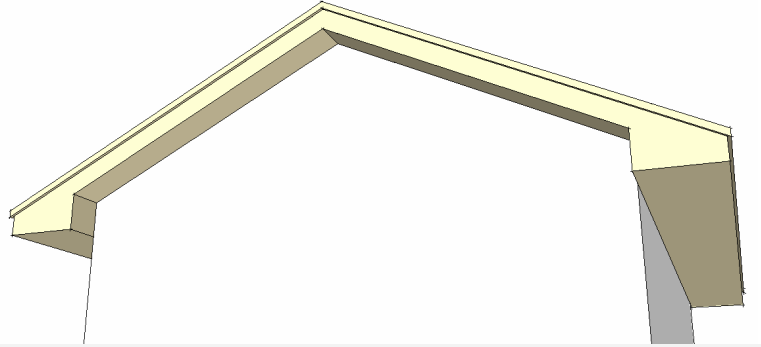
Eave Type Plumb Cut Exposed

Make Eaves? - - - - -	yes
-Eave Width	2'
-Gable Eave Width	2'
-Eave Type	Plumb Cut Exposed
-Fascia Height	8"
-Fascia Thickness if Exposed Eave	2"



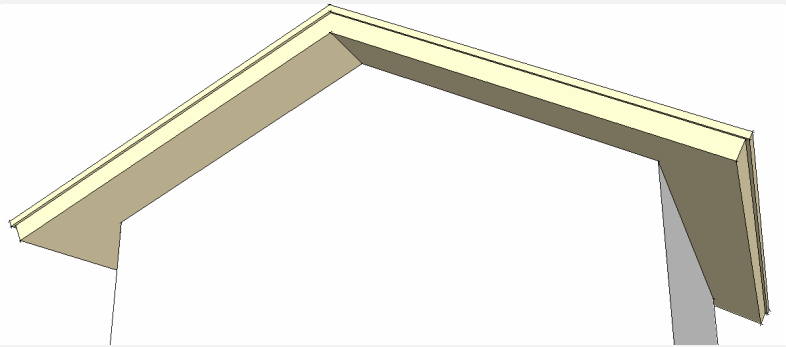
Eave Type Plumb Cut Soffited

Make Eaves? - - - - -	yes
-Eave Width	2'
-Gable Eave Width	2'
-Eave Type	Plumb Cut Soffited
-Fascia Height	8"



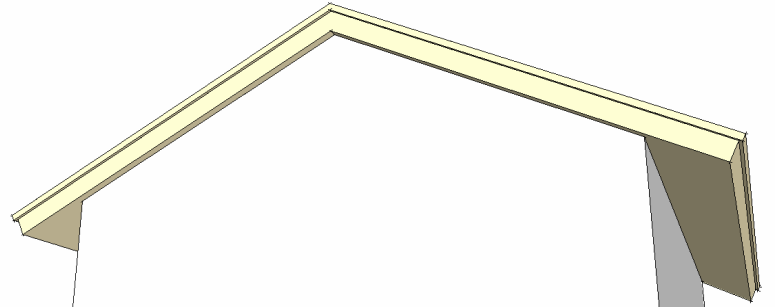
Eave Width 2' Gable Eave Width 2'

Make Eaves? - - - - -	yes
-Eave Width	2'
-Gable Eave Width	2'
-Eave Type	Square Cut Boxed-In



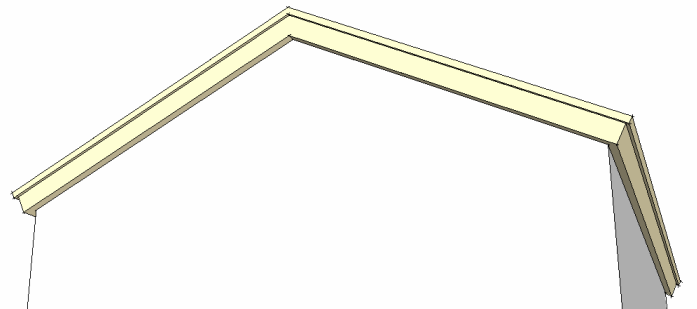
Eave Width 2' Gable Eave Width 3"

Make Eaves? - - - - -	yes
-Eave Width	2'
-Gable Eave Width	3"
-Eave Type	Square Cut Boxed-In



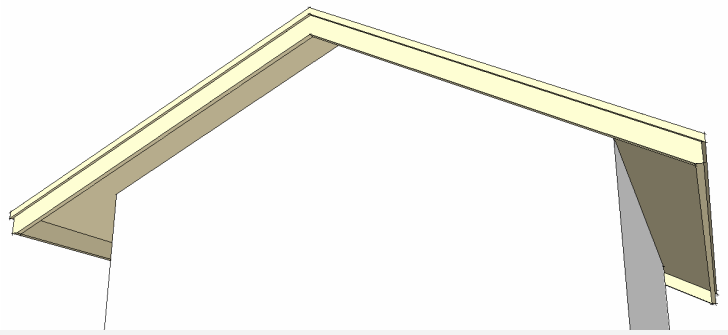
Eave Width 6" Gable Eave Width 3"

Make Eaves? - - - - -	yes
-Eave Width	6"
-Gable Eave Width	3"
-Eave Type	Square Cut Boxed-In



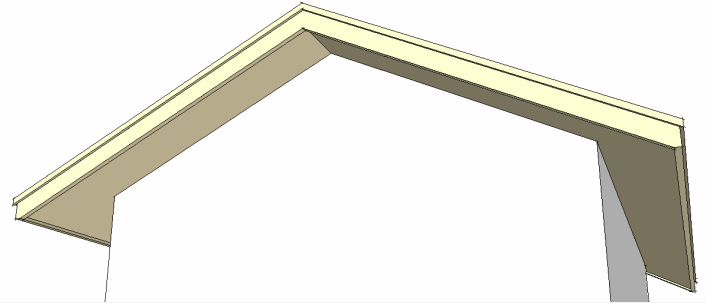
Roof Thickness if Exposed Eave 2"

-Fascia Thickness if Exposed Eave	2"
-Add Fascia Trim?	no
-Trim Width	1"
-Trim Height	2"
Roof Thickness if Exposed Eave	2"



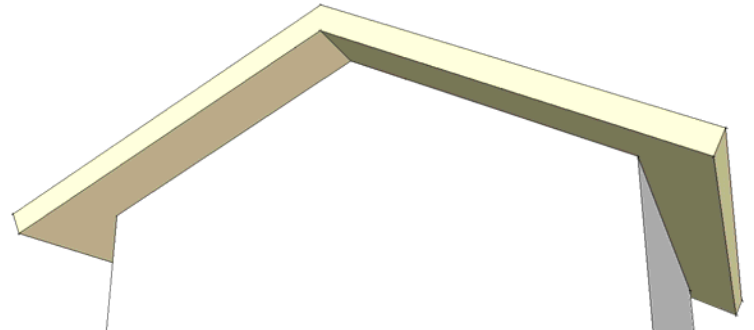
Roof Thickness if Exposed Eave 7"

-Fascia Thickness if Exposed Eave	2"
-Add Fascia Trim?	no
-Trim Width	1"
-Trim Height	2"
Roof Thickness if Exposed Eave	7"



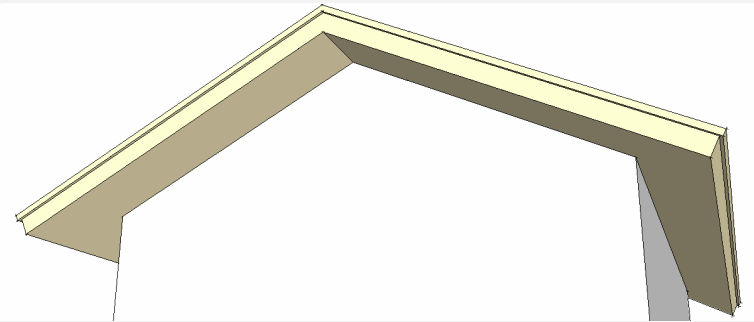
Add Fascia Trim? no

-Fascia Height	8"
-Fascia Thickness if Exposed Eave	2"
-Add Fascia Trim?	no
-Trim Width	1"
-Trim Height	2"



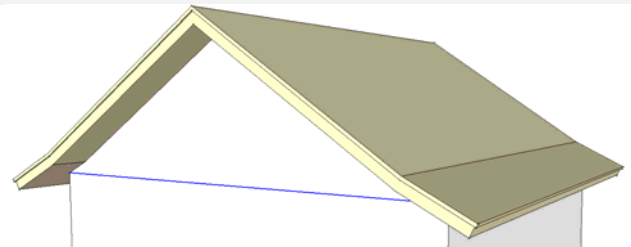
Add Fascia Trim? yes

-Fascia Height	8"
-Fascia Thickness if Exposed Eave	2"
-Add Fascia Trim?	yes
-Trim Width	1"
-Trim Height	2"



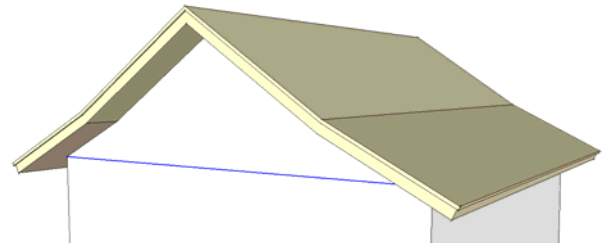
Make Double Slope Roof? yes -Height at slope change 6"

Make Double Slope Roof? - -	yes
-Height at slope change	6"
Upper Slope	8:12



Make Double Slope Roof? yes -Height at slope change 24"

Make Double Slope Roof? - -	yes
-Height at slope change	24"
Upper Slope	8:12

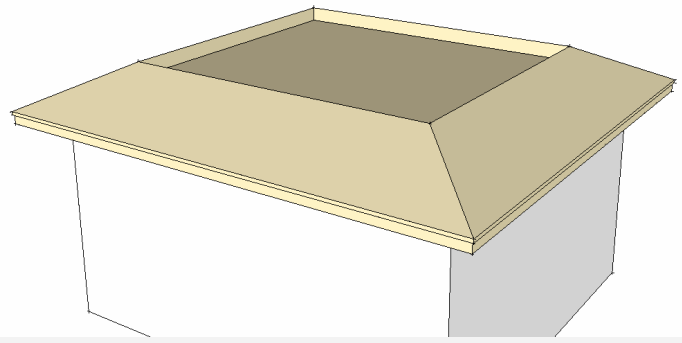


Make Mansard? **Yes**
 Height at top of Mansard **18"**
 Mansard wall height **10"**

Make Mansard? - - - - -

-Height at top of Mansard

-Mansard wall height

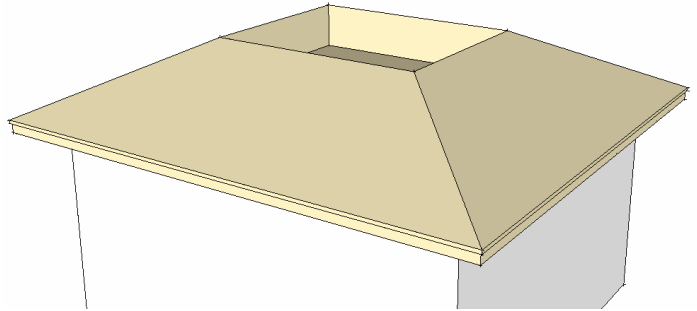


Make Mansard? **Yes**
 Height at top of Mansard **36"**
 Mansard wall height **30"**

Make Mansard? - - - - -

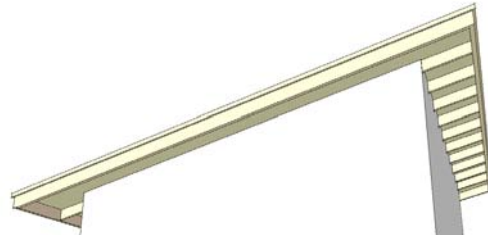
-Height at top of Mansard

-Mansard wall height



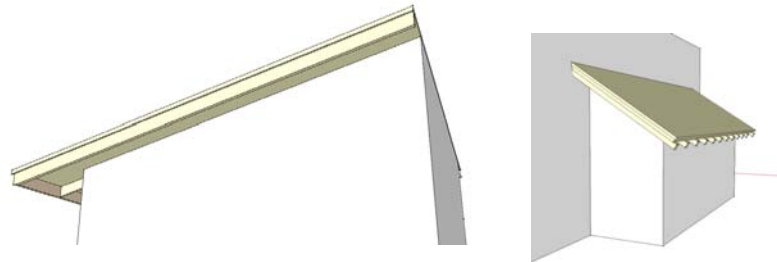
Make Shed Upper Eave? **yes**

Make Shed Upper Eave?



Make Shed Upper Eave? **no**

Make Shed Upper Eave?



*When would you not want a shed upper eave?
 When you are adding a lean-to to the side of a building.*

Make Hips? **no**
 Make Rafters? **no**

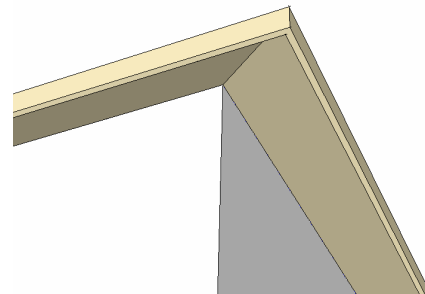
Make Hips?

__ Hip Width

__ Hip Depth

__ End Component/Rafter Length Ratio

Make Rafters?



Make Hips? **yes**
 Make Rafters? **yes**

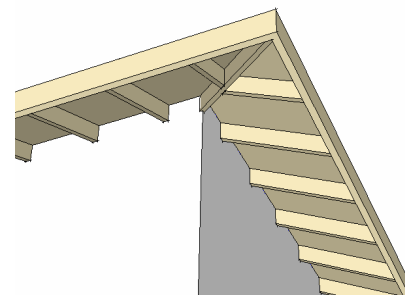
Make Hips?

__ Hip Width

__ Hip Depth

__ End Component/Rafter Length Ratio

Make Rafters?



Hip Width 4"
 Hip Depth 6"
 Rafters Width 4"
 Rafters Depth 4"

Make Hips?

__ Hip Width

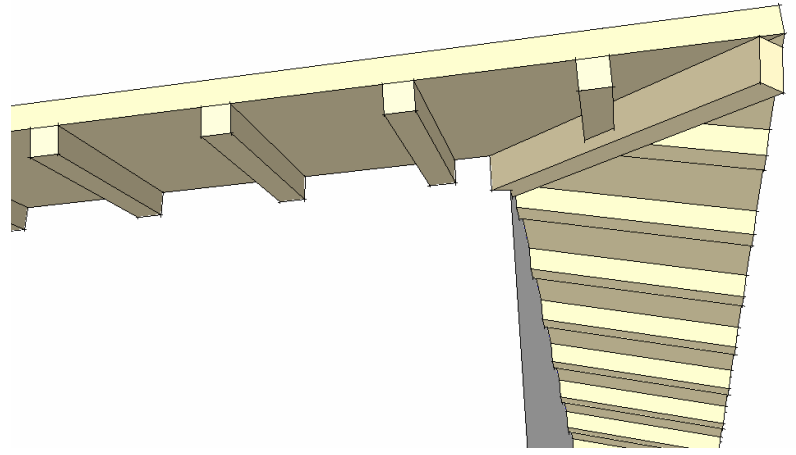
__ Hip Depth

__ End Component/Rafter Length Ratio

Make Rafters?

__ Rafter Width

__ Rafter Depth



Hip Width 2"
 Hip Depth 8"
 Rafters Width 2"
 Rafters Depth 6"

Make Hips?

__ Hip Width

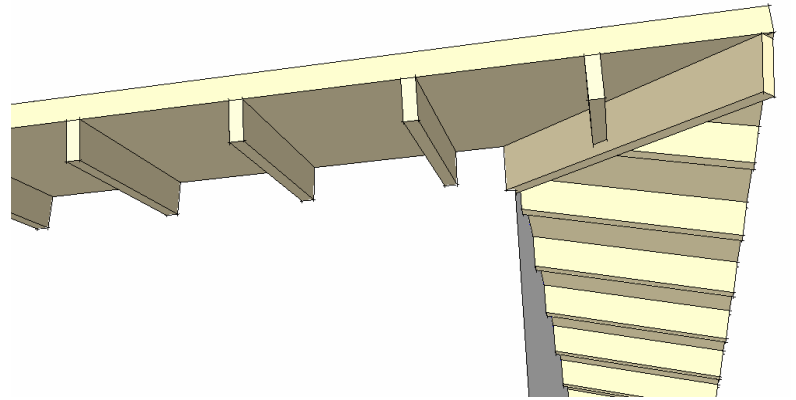
__ Hip Depth

__ End Component/Rafter Length Ratio

Make Rafters?

__ Rafter Width

__ Rafter Depth



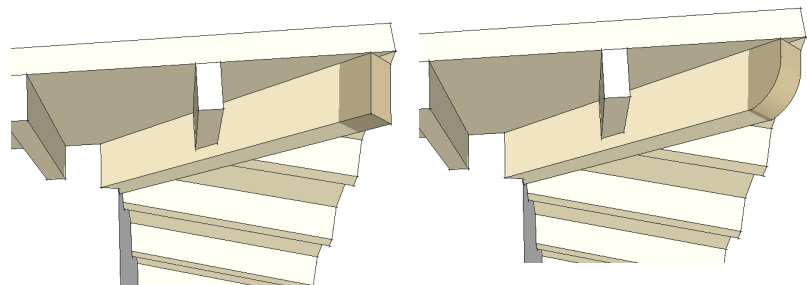
End Component / Rafter Length Ratio 1/8

Make Hips?

__ Hip Width

__ Hip Depth

__ End Component/Rafter Length Ratio



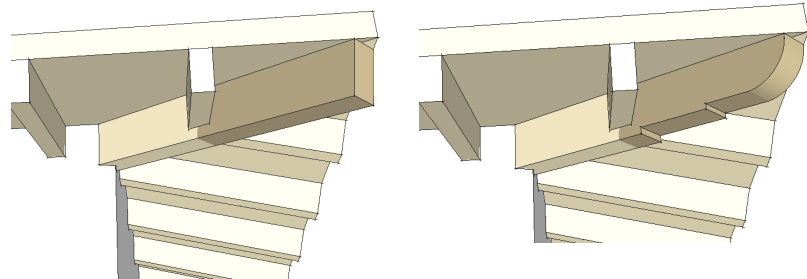
End Component / Rafter Length Ratio 3/4

Make Hips?

__ Hip Width

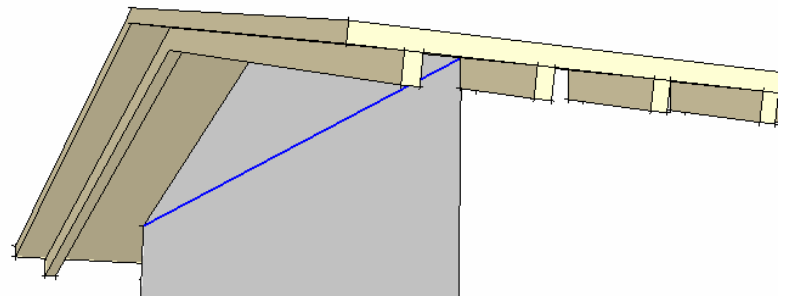
__ Hip Depth

__ End Component/Rafter Length Ratio



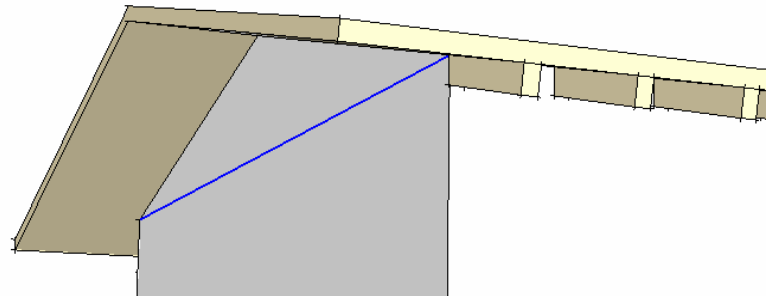
Place Barge Rafter yes

Make Rafters?	yes
_ Rafter Width	3 1/2"
_ Rafter Depth	6"
_ Rafter Spacing	2'
_ Place Barge Rafter?	yes
_ Barge Rafter Inset	1'



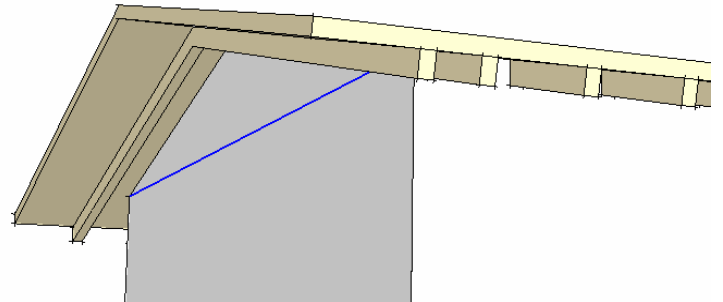
Place Barge Rafter no

Make Rafters?	yes
_ Rafter Width	3 1/2"
_ Rafter Depth	6"
_ Rafter Spacing	2'
_ Place Barge Rafter?	no
_ Barge Rafter Inset	1'



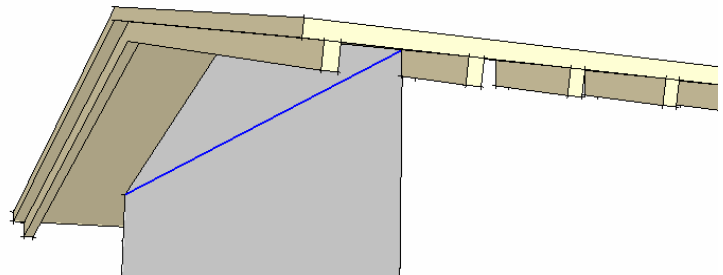
Barge Rafter Inset 24"

Make Rafters?	yes
_ Rafter Width	3 1/2"
_ Rafter Depth	6"
_ Rafter Spacing	2'
_ Place Barge Rafter?	yes
_ Barge Rafter Inset	24



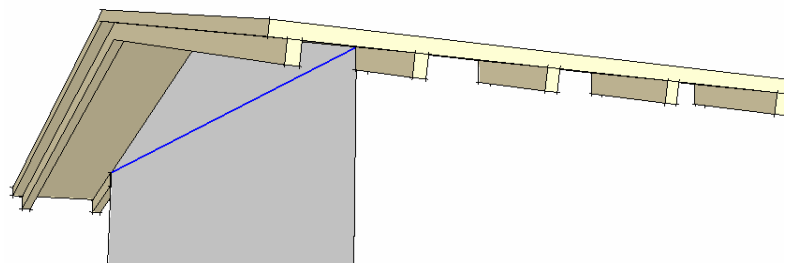
Barge Rafter Inset 6"

Make Rafters?	yes
_ Rafter Width	3 1/2"
_ Rafter Depth	6"
_ Rafter Spacing	2'
_ Place Barge Rafter?	yes
_ Barge Rafter Inset	6"



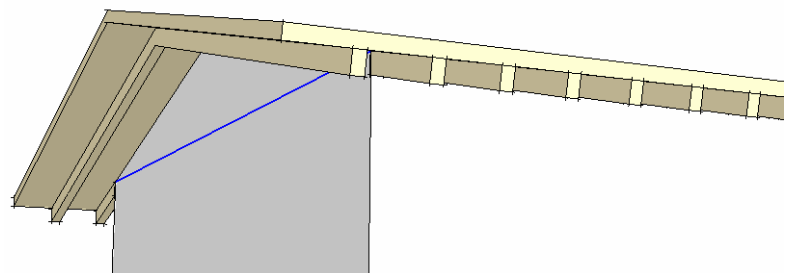
Rafter Spacing 36"

Make Rafters?	yes
_ Rafter Width	3 1/2"
_ Rafter Depth	6"
_ Rafter Spacing	36"
_ Place Barge Rafter?	yes



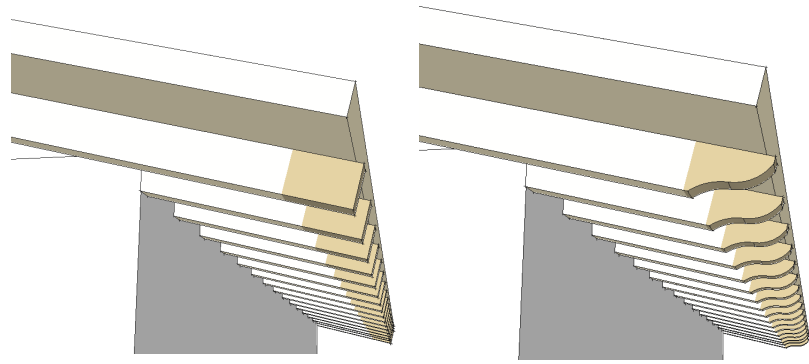
Rafter Spacing 18"

Make Rafters?	yes
_ Rafter Width	3 1/2"
_ Rafter Depth	6"
_ Rafter Spacing	18"
_ Place Barge Rafter?	yes



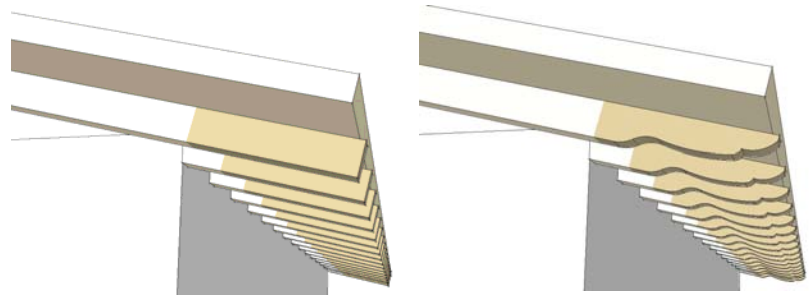
End Component/ Rafter Length Ratio 1/4

Make Rafters?	yes
__ Rafter Width	3 1/2"
__ Rafter Depth	6"
__ Rafter Spacing	1' 6"
__ Place Barge Rafter?	yes
__ Barge Rafter Inset	1' 6"
__ End Component/Rafter Length Ratio	1/4



End Component/ Rafter Length Ratio 3/4

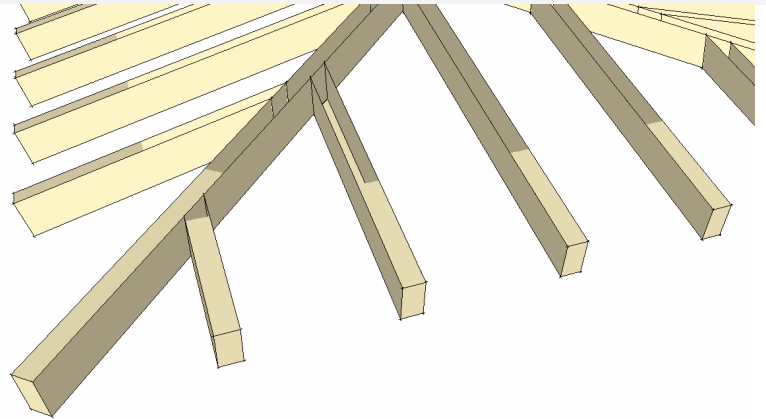
Make Rafters?	yes
__ Rafter Width	3 1/2"
__ Rafter Depth	6"
__ Rafter Spacing	1' 6"
__ Place Barge Rafter?	yes
__ Barge Rafter Inset	1' 6"
__ End Component/Rafter Length Ratio	3/4



Why not always use a long rafter end component? Because, in the case of a Hip Roof, some Jack Rafters may be shorter than the end component and won't get cut properly.

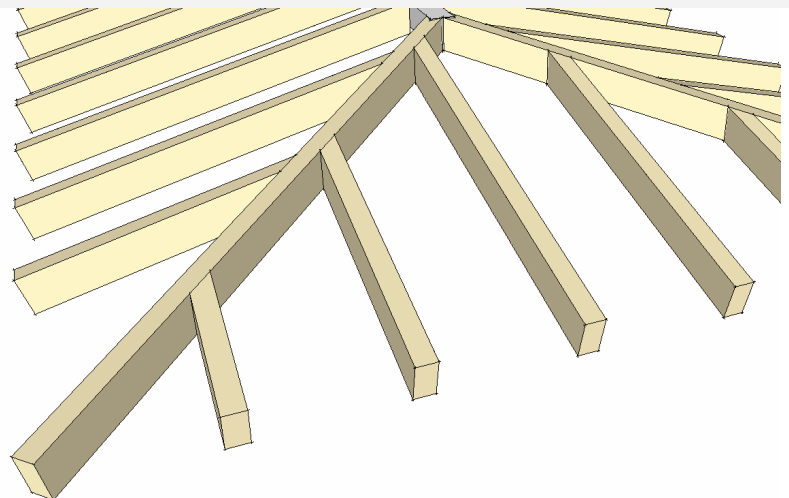
Make Rafter and Hip Top Surfaces? no

__ Rafter Spacing	2' 6"
__ Place Barge Rafter?	no
__ Barge Rafter Inset	2"
__ End Component/Rafter Length Ratio	1/4
Make Rafter and Hip Top Surfaces?	no



Make Rafter and Hip Top Surfaces? yes

__ Rafter Spacing	2' 6"
__ Place Barge Rafter?	no
__ Barge Rafter Inset	2"
__ End Component/Rafter Length Ratio	1/4
Make Rafter and Hip Top Surfaces?	yes



Why not always make top surfaces? Because the additional polygons created are typically hidden by the eave above.