METAL FRAMING RAFTER+
Insert/Update Ridge Beams

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Insert Ridge Beams
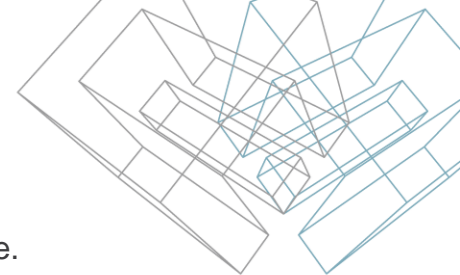

Two beam systems on adjacent slopes selected
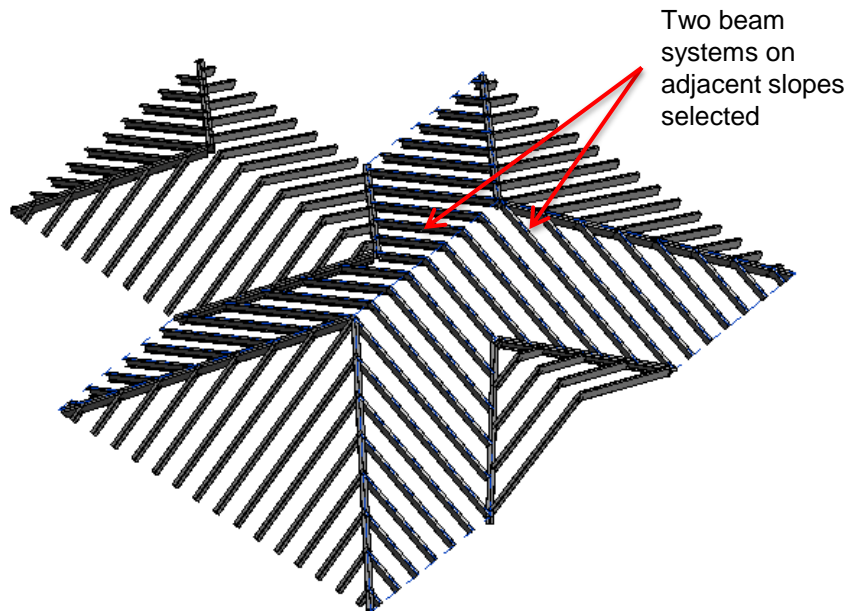
- Select two rafter systems in adjacent slopes.
- Select the **Insert/Update Ridge** function from the menu.

NOTE: please see document **Select Beam Systems** for more information on how quickly select required beam systems.

Rafter+M

Load Families

Create Common Rafter Systems
Create Openings in Beam Systems

Select all Beam Systems by Roof/Floor or Rafter/Beam
Select Beam System(s) by Rafter(s) or Beam(s)
Select Beam Systems by Rafter from the Same Slope
Insert/Update Hip/Valley Rafter
Insert/Update Ridge

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Configure Ridge

1. Select vertical positioning type.
2. Select horizontal positioning.
3. Select Ridge beam type from framing families loaded in the project.
4. Modify Left and Right slope rafters, hip/valley rafters – this option is available for standard rectangular sections.
5. Information about rafters (calculated depth) and Ridge dimensions and offset.
6. Click Pick source ridge to inherit properties from other ridge in model (optional).
7. Click OK to create the ridge.

NOTE: some options vary depending on Ridge's vertical positioning type.
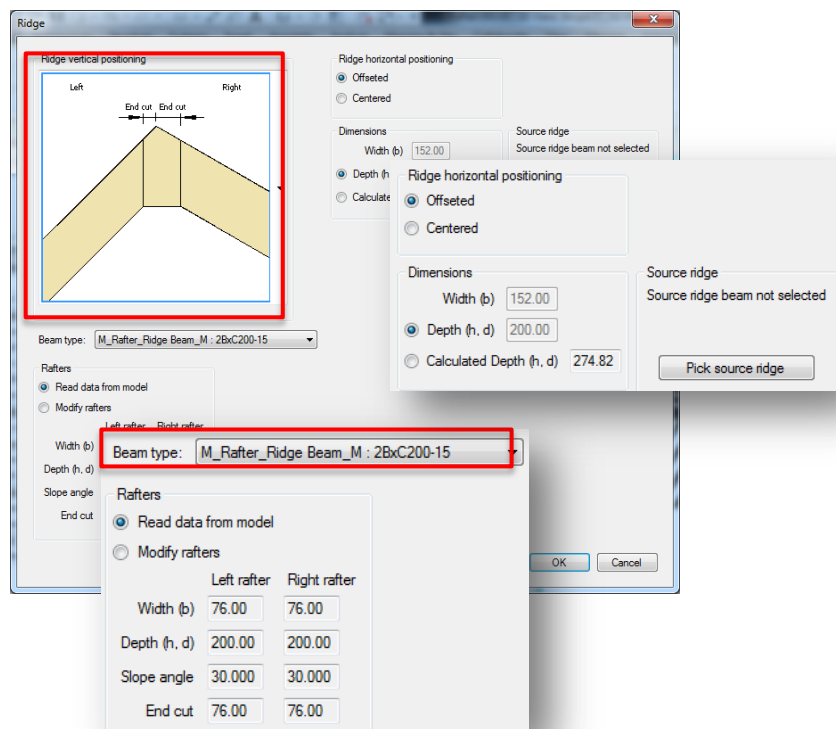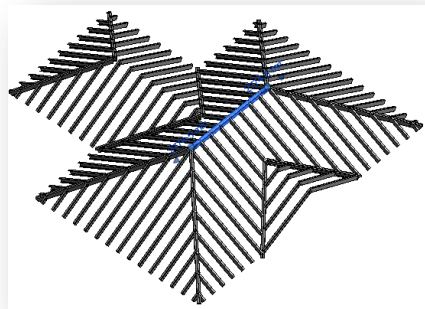
Configure Ridge (horizontal positioning)
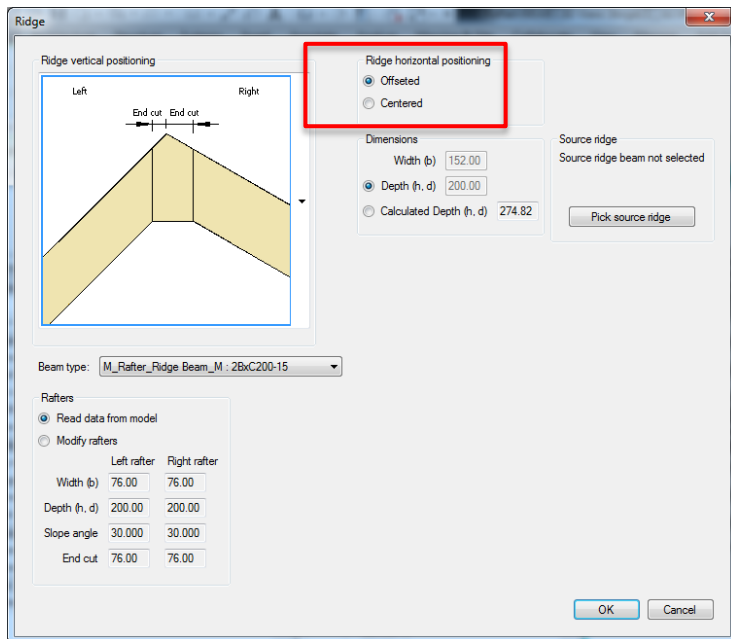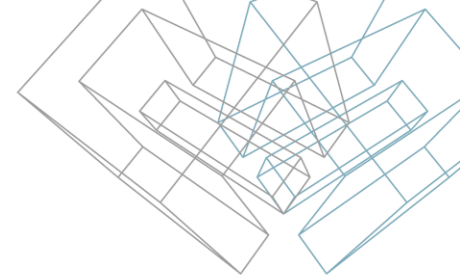
- Select horizontal positioning of the ridge. If the slopes of the roof are asymmetric, then the user should choose desirable positioning : *Offseted* or *Centered*.

- If the horizontal positioning is *Offseted*, the Calculated h (d) is the same on both sides, if it's *Centered* – h (d) can be different according to slope angles.
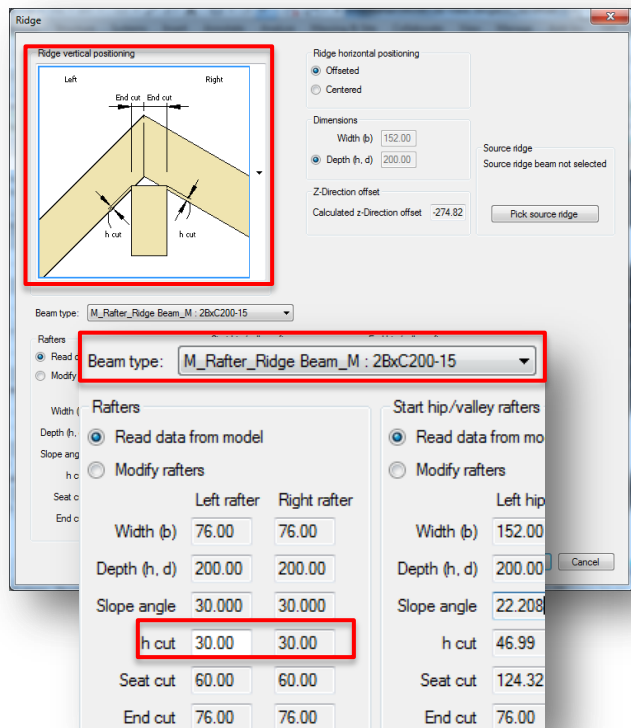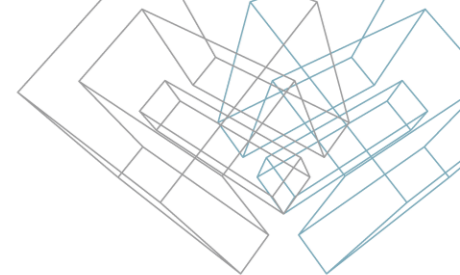
Configure Ridge (vertical positioning Type 1)

- Select vertical positioning Type 1.
- Select horizontal positioning.
- Select Ridge beam type from framing families loaded in the project.
- *Modify Rafters* option may be used on standard rectangular sections.
- Click OK to create the ridge.
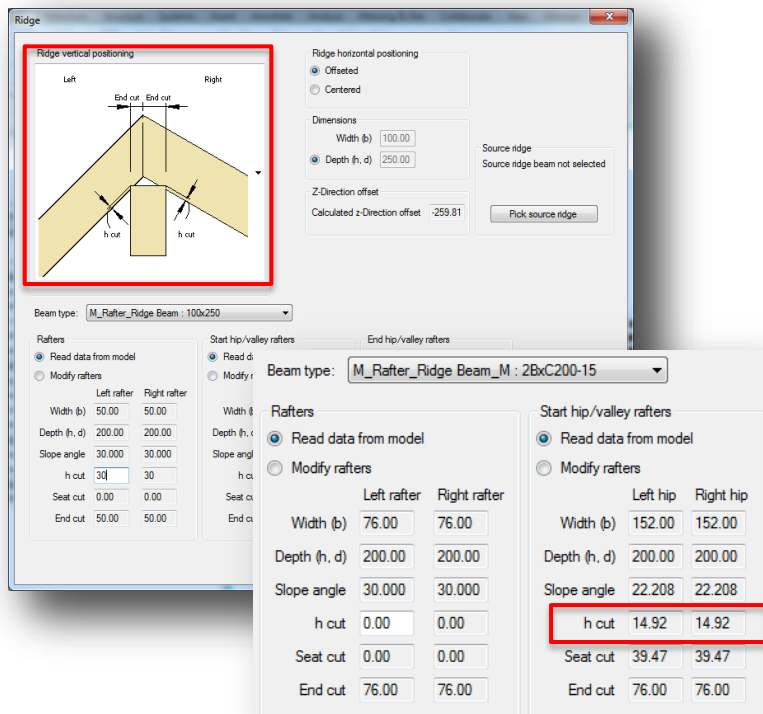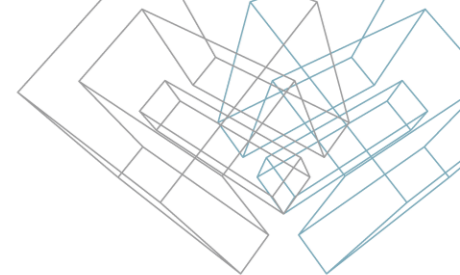

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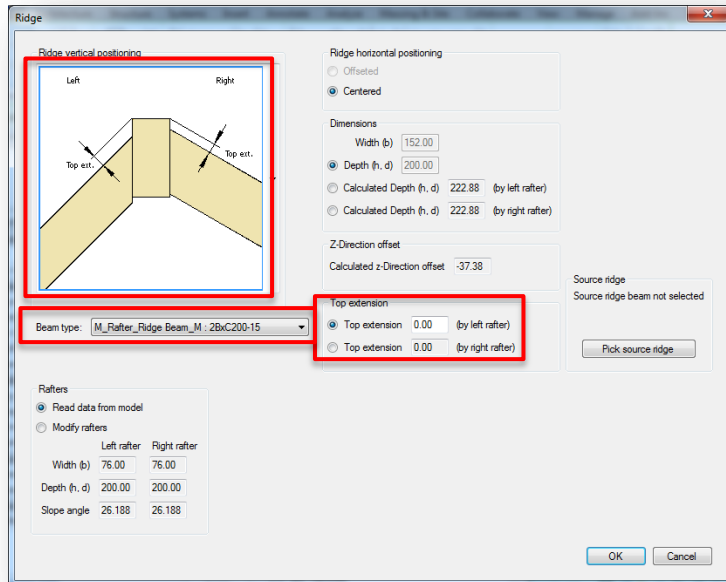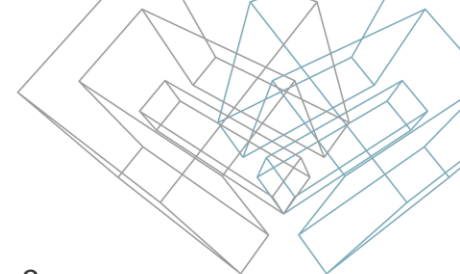# Configure Ridge (vertical positioning Type 2)

- Select vertical positioning Type 2.
- Select horizontal positioning.
- Select Ridge beam type from framing families loaded in the project.
- Click *Pick source ridge* to inherit properties from other ridge in the model (optional).
- *Calculated z-Direction offset* indicates a distance from rafters top to the top of the ridge.
- Provide the *h cut* dimension of rafters.

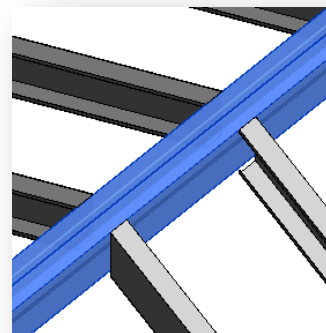# Configure Ridge (vertical positioning Type 2)

- You can see calculated *h cut* of hip/valley rafters and make a decision, whether to modify them or not.
- Modify rafters option may be used on standard rectangular sections.
- Leave the option Read data from model active, if you don't want any changes in hip/valley rafters.
- Click OK to create Ridge.

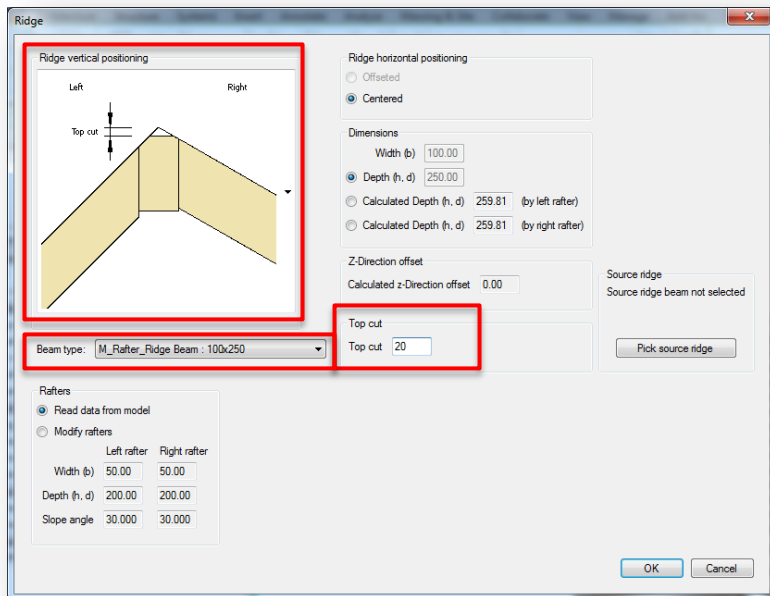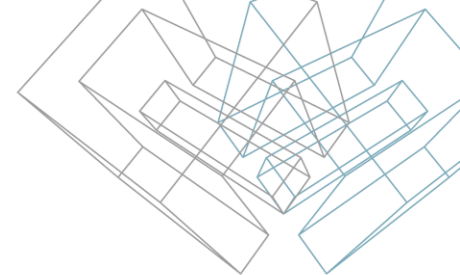# Configure Ridge (vertical positioning Type 3)

- Select vertical positioning Type 3.
- Select Ridge beam type from framing families loaded in the project.
- Click Pick source ridge to inherit properties from other ridge in the model (optional).
- Enter Top extension value depending on the left or the right rafter.
- Click OK to create Ridge.

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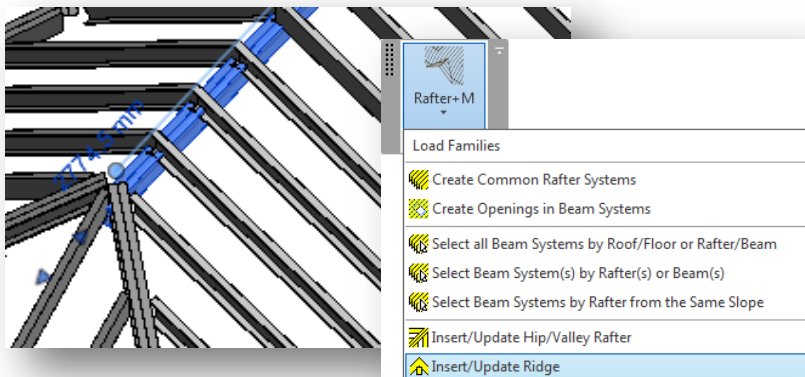BUILDING BIM TOGETHER | www.aga-cad.com

# Configure Ridge (vertical positioning Type 4)

- Select vertical positioning Type 4.
- Select Ridge beam type from framing families loaded in the project.
- Click *Pick source ridge* to inherit properties from other ridge in the model (optional).
- Enter Top cut value.
- Click OK to create Ridge.

Update Existing Ridge

- Select a ridge you want to update.
- Select the **Insert/Update Ridge** function from the menu.
- Select Ridge's vertical positioning type.
- Select different structural framing family for the Ridge if necessary.
- If required, modify dimensions of rafters (may be used on standard rectangular sections), and click OK.
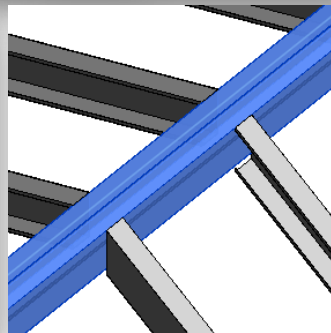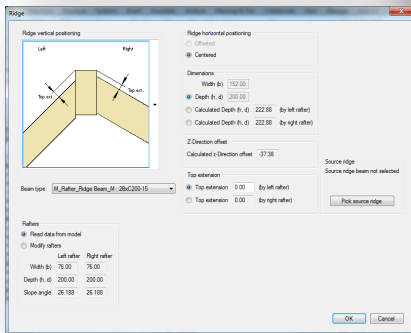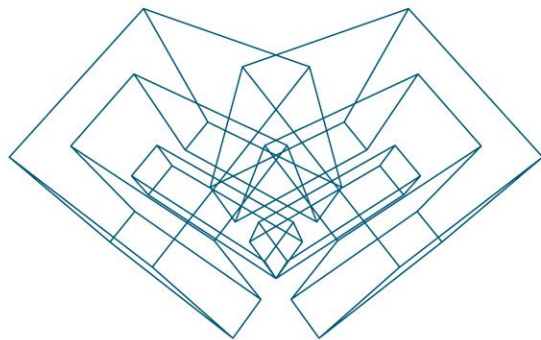
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