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Software

Understanding How Roofs Generate Above Curved Walls

Reference Number: **KB-03019**

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The information in this article applies to:

PREMIER   INTERIORS

QUESTION

How can I control how roof planes generate above curved walls?
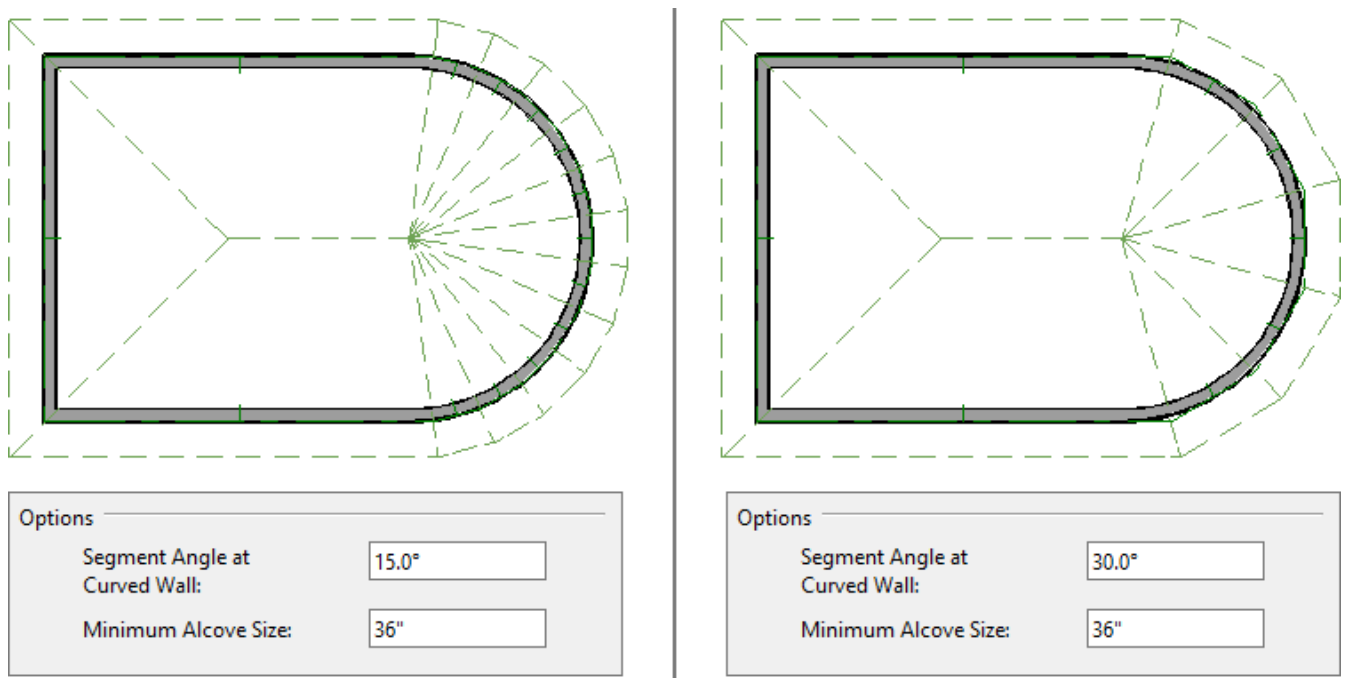
ANSWER

Automatically generated roof planes are created above curved walls at specified increments.

On the ROOF panel of the **Build Roof** dialog, you can specify the **Segment Angle at Curved Wall** to your desired value, as long as it's between 6° and 60°. A smaller angle produces more roof planes. In some instances, slightly smaller or larger values will be used instead of the specified value.
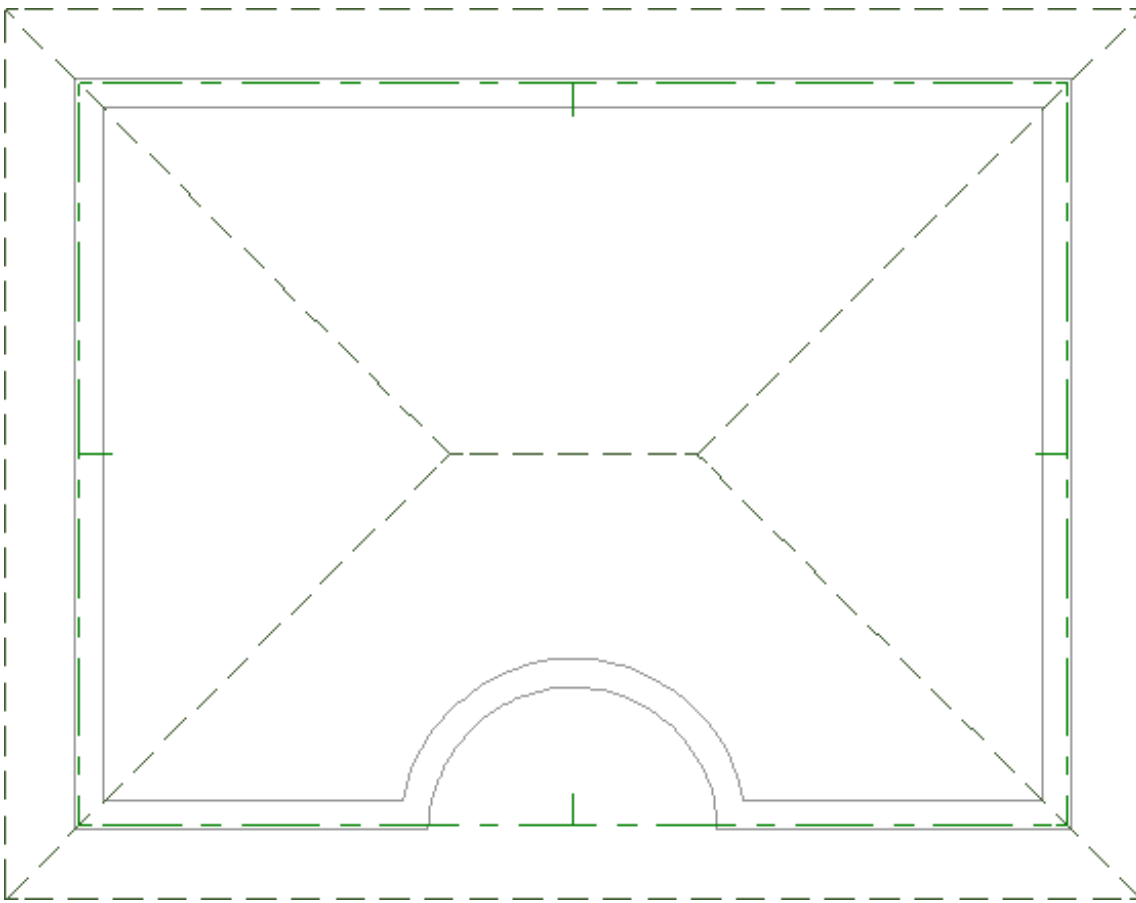
The following illustration shows a roof created at two different curved increments: 15° and 30°.
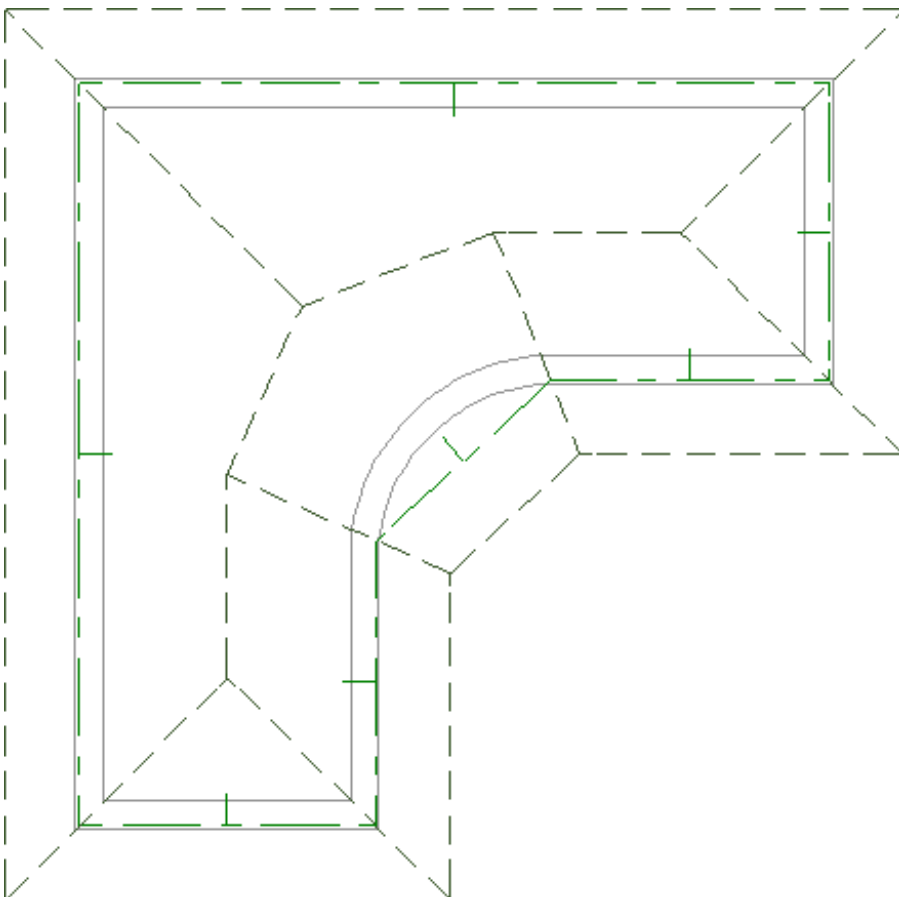

Regular roof plane sections can also generate above concave curved walls. For roof sections to generate above a concave curved wall, the sections' baselines must be longer than the **Minimum Alcove Size** value on the ROOF panel of the **Build Roof** dialog.

If the baselines are shorter, the automatically generated roofs are simplified by either:

- Ignoring the curved wall, as if the walls on either side extended to their meeting point.

- Spanning the concave curved wall with a straight baseline, resulting in a separate roof plane.

Related Articles

- ⬛ Creating a Curved Barrel Ceiling (/support/article/KB-00650/creating-a-curved-barrel-ceiling.html)
- ⬛ Creating a Curved Barrel Roof (/support/article/KB-00649/creating-a-curved-barrel-roof.html)
- ⬛ Creating Curved or Flared Eaves (/support/article/KB-00875/creating-curved-or-flared-eaves.html)
- ⬛ Drawing a Curved Wall that is Tangent to Two Straight Walls (/support/article/KB-00692/drawing-a-curved-wall-that-is-tangent-to-two-straight-walls.html)

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