

# Why R-Vent®?

## Condensation of Water Vapor

- Water vapor from a humid interior moves through the attic and permeable roof materials.
- With a permeable WRB, vapor can pass but can condense under the cold metal roof.
- Moisture needs a way to drain & dry out.
- A 3D drainage and ventilation mat between the metal and roofing felt drains and dries the condensation.
- R-Vent® creates the capillary break needed for the moisture to Drain, Not Remain™ trapped on the underside of the metal panels.

## Drying of Condensation

- Air movement through R-Vent® dries any remaining moisture.
- R-Vent® under roof panels completely supports the metal.
- Provides a slight bow and tension to minimize the oil canning appearance.
- Uniform “pillowing” of panel.
- Done by using clips  $\frac{1}{8}$ -inch shorter than mat thickness (i.e.  $\frac{1}{4}$ -inch clip over  $\frac{3}{8}$ -inch mat).

