AttiCat® System Instructions
for High R-value Application in Low Slope Roof

Technical Bulletin

An attic space restriction exists in most homes in the areas where the joists and rafters or truss top and bottom chords begin to converge. These restricted spaces are shown as the diagonally-lined shaded area in Figure 1 below. The primary factors that contribute to this condition are:

1) The "heel" height (height of the cavity at the point above the exterior wall)
2) The roof slope or "pitch"
3) The label insulation depth (the depth of insulation needed to achieve the target R-value)

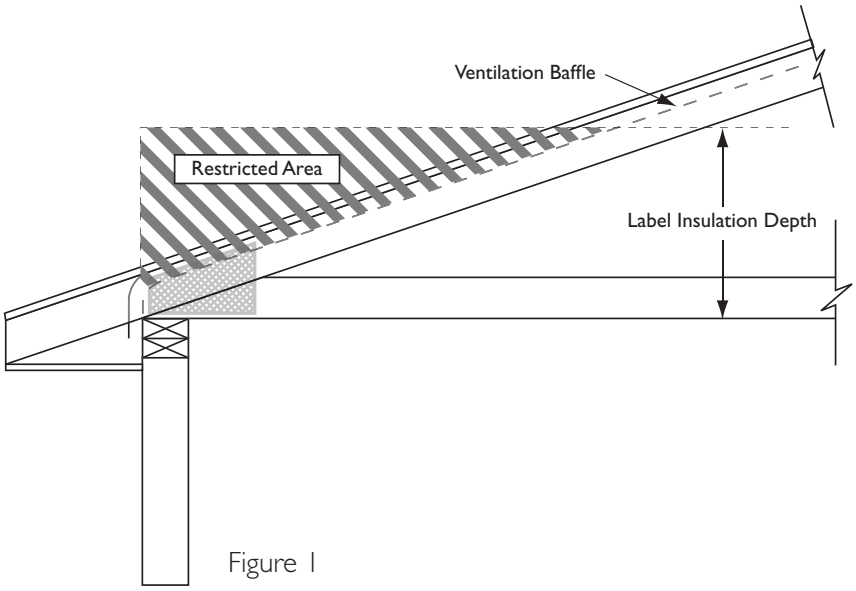

Figure 1

The restriction is considered extreme and the installed R-value affected when one, or any combination, of these factors has the following values:

1) Heel height of 10 inches or less
2) Roof slope of 6/12 or less
3) Target insulation R-value of 40 or more

To mitigate this situation, contractors should install the insulation material which would normally go in the restricted spaces uniformly across the center of the attic. In the most extreme situations there may not be enough space to install all the extra material in the attic.

Keep in mind also, as extra material is installed above the target insulation depth, the ventilation air space between the soffit and ridge vents must be kept open. This may require additional ventilation baffles fastened to the underside of the roof decking.

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