



6-1-2023

RE: City of Grinnell Adopted Codes and Shingle Requirements

The City of Grinnell has adopted the following codes:

2015 International Building Code
2015 International Residential Code
2015 International Existing Building Code
2015 International Fire Code
2020 National Electric Code
2021 International Mechanical Code
2021 Uniform Plumbing Code
2012 International Energy Conservation Code
2010 ADA Standard

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Per the 2015 IRC related to Ice Barriers:

905.1.2 Ice Barriers: In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2(1), an ice barrier shall be installed for asphalt shingles, metal roof shingles, mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles, and wood shakes. The ice barrier shall consist of not fewer than two layers of underlayment cemented together, or a self-adhering polymer-modified bitumen sheet shall be used in place of normal underlayment and extend from the lowest edges of all roof surfaces to a point not less than 24 inches inside the exterior wall line of the building. On roofs with slopes equal or greater than 8 units vertical in 12 units horizontal, the ice barrier shall also be applied no less than 36 inches measured along the roof slope from the eave edge of the building. Exception: Detached accessory structures not containing conditioned floor area.

Per the 2015 IRC related to Asphalt Shingles:

905.2.2: Asphalt shingles shall be used only on roof slopes of two units vertical in 12 units horizontal (2:12) or greater. For roof slopes from two units vertical in 12 units horizontal (2:12) up to four units vertical in 12 units horizontal (4:12), double underlayment application is required in accordance with Section 905.1.1.

Respectfully,

Tyler Avis
Director of Building and Planning

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