



UNIFORM BUILDING CODE COMMISSION EXISTING RULE REVIEW FORM

TRACKING NUMBER: **RBTC-45 R1**

CODE CHANGE INFORMATION:

New Edition Year Under Review: 2024 International Residential Code

Page Number in New Edition Under Review: 475

Originating Committee: Residential Building Technical Code Review

Original Edition Year Modified: 2018

Current Rule Numbering: 748:20-6-14 (1)

Section/Table/Figure Modified: Chapter 9, Roof Assemblies, Section 905.1.2

EXISTING RULE:

~~**R905.1.2 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 (610 mm) inside the exterior wall line of the building. On roofs with a slope equal to or greater than eight units vertical in 12 units horizontal (76 percent slope) ice barrier shall also be applied not less than 36 inches (914 mm) measured along the roof slope from the eave edge of the building.~~

~~A 36-inch wide (914 mm) ice barrier shall be installed in all valleys, run the length of the valley, and cemented on the valley.~~

~~A 36-inch wide (914 mm) ice barrier shall be installed at all change in roof pitch in which the lower roof has a lower pitch than the upper roof. The ice barrier is run the length of the change in pitch and cemented on the change in pitch.~~

~~**Exception:** Detached accessory structures not containing conditioned floor area.~~

PROPOSED LANGUAGE:

R905.1.2 Ice barriers. An ice barrier consisting of not fewer than two layers of underlayment cemented together, or a self-adhering polymer-modified bitumen sheet shall be installed in the following locations:

1. A 36-inch wide (914 mm) ice barrier shall be installed in all valleys, run the length of the valley, and be cemented on the valley.
2. A 36-inch wide (914 mm) ice barrier shall be installed at all change in roof pitch in which the lower roof has a lower pitch than the upper roof. The ice barrier shall run the length of the change in pitch and shall be cemented on the change in pitch.
3. A 18-inch wide (457 mm) ice barrier shall be installed at wall and roof intersections, run the length of the wall, and be cemented on the wall and roof intersection.
4. 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 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 (610 mm) inside the exterior wall line of the building. On roofs with a slope equal to or greater than eight units vertical in 12 units horizontal (76 percent slope) ice barrier shall also be applied not less than 36 inches (914 mm) measured along the roof slope from the eave edge of the building.

Exception: ~~Detached accessory structures not containing conditioned floor area.~~

HISTORICAL INFORMATION:

The changes were made to the 2018 edition and were from the Ice and Water Barrier Committee. The two added paragraphs came without a specific justification on two separate code change proposal forms. The committee discussed how the changes would address both new and re-roofing applications and if they should be listed before or after the exception. When the agency's rules were written, the exception was erroneously left out of the agency's rules.

The 2024 code does not contain the added language in the OUBCC rules. Staff recommendation is to review the modifications and determine if they should be kept as written, modified, or removed from the agency's rules.