

## Roofing Checklist

The following is a guideline to assist in the compliance with the requirements of the MN State Building Code.

- Identify the roof pitch(s) to determine which approved roof covering(s) can be installed

<u>Roof Covering</u>	<u>Pitch Requirements</u>	<u>Roof Covering</u>	<u>Pitch Requirements</u>
Asphalt Shingles	2" rise per 12" run or greater (▲★★)	Metal Roof Panels (lapped, with sealant)	½" rise per 12" run or greater
Clay/Concrete Tile	2½" rise per 12" run or greater (★★)	Metal Roof Panels (standing seam)	¼" rise per 12" run or greater
Wood Shingles/Shakes	3" rise per 12" run or greater (▲★)	Modified Bitumen Roofing	¼" rise per 12" run or greater
Metal Shingles	3" rise per 12" run or greater (▲★)	Thermoset Single-ply Roofing	¼" rise per 12" run or greater
Metal Roof Panels (lapped, no sealant)	3" rise per 12" run or greater	Thermoplastic Single-ply Roofing	¼" rise per 12" run or greater
Slate Shingles	4" rise per 12" run or greater (▲★)	Liquid-applied Coatings	½" rise per 12" run or greater
Mineral-surfaced Roll Roofing	1" rise per 12" run or greater	Sprayed Polyurethane Foam Roofing	¼" rise per 12" run or greater

- Remove all prior-existing roof covering materials so there is no overlay
- Make sure the roof decking is in good condition and there are no gaps greater than ¼ inch wide
- Obtain a Building Permit if any structural members need to repaired, replaced, and/or added
- ▲ Install the required ice barrier starting at the eaves to a point no less than 24" beyond the exterior wall (measured horizontally) (exception: detached structures that are not heated)
- Make sure all flashing is constructed of a minimum 26 gauge galvanized metal
- Install the front wall, vertical sidewall, soil stack, vent pipe, and/or chimney flashing in accordance with the manufacturer's printed instructions
- Install valley linings and flashing
- A cricket or saddle is required on all chimneys or penetrations that are more than 30 inches wide (measured perpendicular to the slope)
- ★ Install the required underlayment materials, ensuring the underlayment materials extend to the edges of the roof deck. \*(Roofs with pitches of 4:12 or less have double underlayment requirements applied with 19" strip along eave and then 36" strips lapped a minimum of 19". Please call if you need additional information.)
- Ensure all roof covering materials are installed in accordance with the manufacturers' installation instructions.
- Ensure all venting terminations extend through the roof deck and are properly flashed.
- Ensure the minimum attic ventilation is provided.

How to calculate the minimum required attic ventilation:

1. When soffit venting is provided, 1sq. ft. of ventilation opening for every 300 sq. ft. of attic space is required (20%-50% of the net required ventilation opening must be located in the soffit).
2. When no soffit venting is provided, 1 sq. ft. of ventilation opening for every 150 sq. ft. of attic space is required.

- All removed and excess roofing materials must be disposed of at an MPCA approved landfill.