



I certify that I have received a copy of these regulations and will comply with the regulations contained herein.

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

INSPECTIONAL  
SERVICES DIVISION  
630-823-5860

VILLAGE OF HANOVER PARK FIRE DEPARTMENT

# Residential Roofs

UPDATED June 2020

## Roofing Requirements

### General Requirements

1. All roof work is to comply with the requirements of Chapters 8 and 9 of the current International Residential Code.
2. Submit a scope of work and list of materials that will be used for the work.
3. Roofing contractors are required to be registered with the village by providing a current copy of their State of Illinois Roofer License and paying the annual registration fee.

### Ventilation

1. Ventilation is required in all attics and enclosed rafter spaces.
2. Minimum vent area shall be 1/150 of the area of the vented space. This may be reduced to 1/300 if soffit vents are used and between 40-50 percent of the required ventilating area is provided in the upper portion of the attic or rafter space, no more than 3 feet below the ridge. **Review the attached worksheet to verify proper ventilation.**

### Decking

1. Any decking material that is damaged or rotted must be replaced.
2. No more than one layer of decking material is allowed.
3. Village Ordinance requires that wood structural panel sheathing for roof decks shall be 1/2 inch CDX plywood or 5/8 inch exterior grade OSB minimum for framing spaced 16 inches or 24 inches on center. For larger spans, Table R503.2.1.1(1) in the International Residential Code shall determine minimum thickness.

### Underlayment

1. Underlayment is required and shall be installed in compliance with the code.
2. Ice and water shield is required and shall be installed on all eaves and valleys to extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the warm face of the exterior wall line.

### Roof Covering

1. Follow shingle manufacturer's installation instructions.
2. No more than two layers of shingles are allowed.
3. Shingles shall be nailed (not stapled) with galvanized or stainless steel, aluminum, or copper roofing nails, minimum 12 gauge shank 3/8 inch diameter head, of a length suitable to penetrate through the roofing materials and 3/4 inch into the roof sheathing. Where the roof sheathing is less than 3/4 inch thick, the fasteners shall penetrate through the sheathing.
4. Flashing is required in all valleys, intersecting sidewalls, and any soil stacks, vent pipes, or chimney.
5. Drip edge is required at eaves and rake edges of shingle roofs. Underlayment shall be installed over the drip edge along eaves and under the drip edge along rake edges.
6. For roofing materials other than asphalt shingles, please review applicable code requirements and the manufacturer's installation instructions.

### Inspection

1. A rough inspection is required if any framing is repaired or replaced.
2. A final inspection is required to verify the site is clean and the roof properly installed, vented, and flashed.



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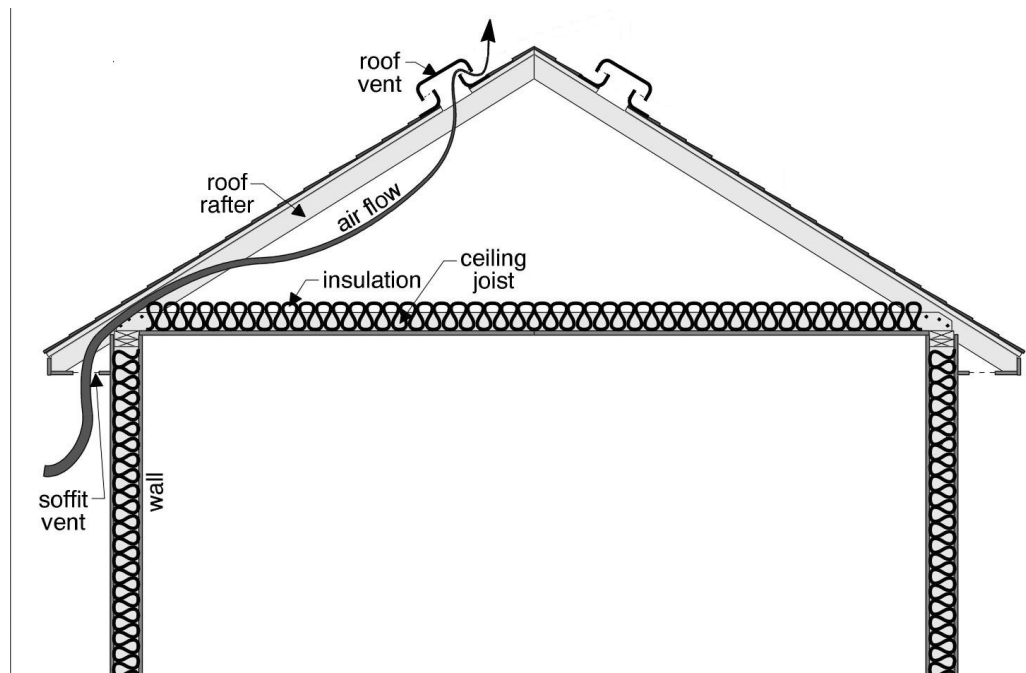
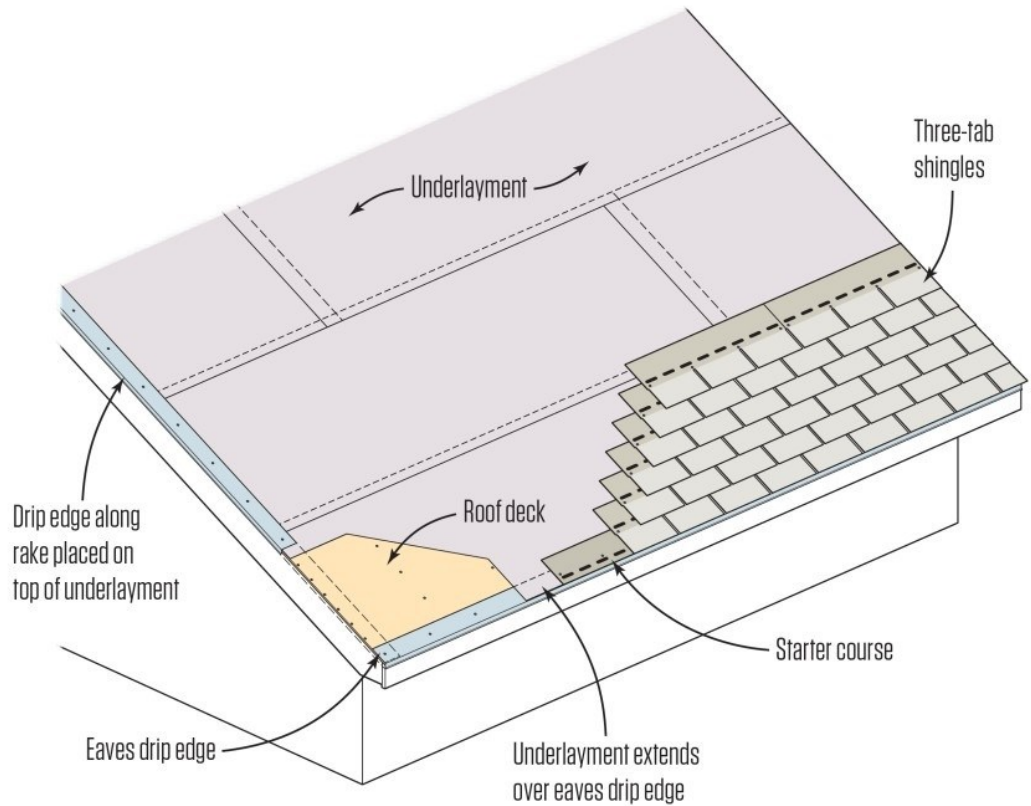
## Ventilation 1/300 Ratio - Highlight the Appropriate Line

Attic Area	Required Ventilation Area	Number of 50 in <sup>2</sup> Vents Needed	Number of 75 in <sup>2</sup> Vents Needed	Length of Ridge Vent Needed
1,000 ft <sup>2</sup>	240 in <sup>2</sup> ridge 240 in <sup>2</sup> soffit	5	4	19 ft
1,100 ft <sup>2</sup>	264 in <sup>2</sup> ridge 264 in <sup>2</sup> soffit	6	4	21 ft
1,200 ft <sup>2</sup>	288 in <sup>2</sup> ridge 288 in <sup>2</sup> soffit	6	4	23 ft
1,300 ft <sup>2</sup>	312 in <sup>2</sup> ridge 312 in <sup>2</sup> soffit	7	5	25 ft
1,400 ft <sup>2</sup>	336 in <sup>2</sup> ridge 336 in <sup>2</sup> soffit	7	5	27 ft
1,500 ft <sup>2</sup>	360 in <sup>2</sup> ridge 360 in <sup>2</sup> soffit	8	5	29 ft
1,600 ft <sup>2</sup>	384 in <sup>2</sup> ridge 384 in <sup>2</sup> soffit	8	6	31 ft
1,700 ft <sup>2</sup>	408 in <sup>2</sup> ridge 408 in <sup>2</sup> soffit	9	6	33 ft
1,800 ft <sup>2</sup>	432 in <sup>2</sup> ridge 432 in <sup>2</sup> soffit	9	6	35 ft
1,900 ft <sup>2</sup>	456 in <sup>2</sup> ridge 456 in <sup>2</sup> soffit	10	7	36 ft
2,000 ft <sup>2</sup>	480 in <sup>2</sup> ridge 480 in <sup>2</sup> soffit	10	7	38 ft
2,100 ft <sup>2</sup>	504 in <sup>2</sup> ridge 504 in <sup>2</sup> soffit	11	7	40 ft
2,200 ft <sup>2</sup>	528 in <sup>2</sup> ridge 528 in <sup>2</sup> soffit	11	8	42 ft
2,300 ft <sup>2</sup>	552 in <sup>2</sup> ridge 552 in <sup>2</sup> soffit	12	8	44 ft
2,400 ft <sup>2</sup>	576 in <sup>2</sup> ridge 576 in <sup>2</sup> soffit	12	8	46 ft
2,500 ft <sup>2</sup>	600 in <sup>2</sup> ridge 600 in <sup>2</sup> soffit	12	9	48 ft



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## Roof Diagrams



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