



RESIDENTIAL ROOFING REPLACEMENT REQUIREMENTS

1. **General:** Shingles shall be applied only to solidly sheathed roofs; all delaminated/rotted plywood must be replaced. Shingles shall be applied according to manufacturer's printed instructions and Section R905 and as amended per the 2018 ICC International Residential Code for One-and Two family dwellings.

If the existing roof has two or more layers of any type of roof covering system, a "tear-off" (removal) of the existing covering system needs to be done to provide a weather resistant envelope and ensure that the structural support of the roof is safeguarded.

2. **Slope:** Determined by rise & run, for example 4" rise in 12" run, equals 4/12 slope or pitch.

Required Inspections:

1. **Ice & Water Shield**
2. **Final**

SECTION R905 REQUIREMENTS FOR ROOF COVERINGS

R905.1 Roof covering application. Roof coverings shall be applied in accordance with the applicable provisions of this section and the manufacturer's installation instructions.

R905.2.1 Asphalt shingles. The installation of asphalt shingles shall comply with the provisions of this section.

R905.2.1 Sheathing requirements. Asphalt shingles shall be fastened to solidly sheathed decks.

R905.2.2 Slope. Asphalt shingles shall only be used 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 R905.2.7.

R905.2.3 Underlayment. Unless otherwise noted, required underlayment shall conform with ASTM D 226, Type I, or ASTM D 4869, Type I.

Self-adhering polymer modified bitumen sheet shall comply with ASTM D 1970.

R905.2.4 Asphalt shingle. Asphalt shingles shall have self-seal strips or be interlocking, and comply with ASTM D 225 or D 3462.

R905.2.5 Fasteners. Fasteners for asphalt shingles shall be galvanized steel, stainless steel, aluminum or copper roofing nails, minimum 12 gage [0.105 inch (2.67 mm)] shank with a minimum 3/8-inch (9.5 mm) diameter head, ASTM F 1667, of a length to penetrate through the roofing materials and a minimum of 3/4 inch (19.1 mm) into the roof sheathing. Where the roof sheathing is less than 3/4 inch (19.1 mm) thick, the fasteners shall penetrate through the sheathing. Fasteners shall comply with ASTM F 1667.

R905.2.6 Attachment. Asphalt shingles shall have the minimum number of fasteners required by the manufacturer. For normal application, asphalt shingles shall be secured to the roof with not less than four fasteners per strip shingle or two fasteners per individual shingle.

Section R905.2.7.1 Ice protection shall be amended to read: All asphalt shingle roofs shall have ice protection. The ice barrier shall consist of at least two layers of underlayment cemented together or of a self-adhering polymer modified bituminous sheet in lieu of normal underlayment and shall extend from the eave's edge to a point at least 24 inches from the inside of the exterior wall line and at all valleys 24 inches from the center line of the valley.

R905.2.8.2 Valleys. Shall comply with manufactures installation instructions and Table R905.2.8.2 (Table for Valley living materials).

NOTE: Recommended as good construction practice—but not required:

If a homeowner chooses to install a roof on their own, or with the help of family or friends, it is recommended that proper insurance coverage be available.

Be advised that a Roofing Contractor is required to have a License from the State of Illinois (with insurance coverage) on file with the Building Department before we issue a permit.

An aluminum drip edge at roof perimeter is recommended.

VILLAGE OF WHEELING
APPLICATION FOR BUILDING PERMIT
 Community Development Department
 2 Community Blvd., Wheeling, IL 60090 ph: (847) 459 -2620

NOTE: Separate permits frequently required. See below.

Real Estate Index No. _____

Permit No. _____

The undersigned hereby applies to the building department of the Village of Wheeling, IL for a permit to erect, alter, construct, or enlarge the structure or part thereof herein described, and if granted the permit applied for will comply with all requirements of the Village ordinances relating thereto and pay the fees required by such ordinances.

Address _____

Proposed use: _____
(i.e., office, warehouse, manufacturing, etc.)

This permit is to be used for the purpose of _____
(i.e., remodel commercial unit, furnace installation, 2nd floor addition to home, etc.)

Square footage of work in existing building	Square footage of addition(s)	Construction Valuation (above listed work only)
		\$

Property Owner _____ Address _____ Phone _____

All contractors by must be identified below, and registered prior to permit issuance:

Type / Trade	Company / Contact Name	Address	Phone
General Cont.			
Masonry			
Carpenter			
Roofing			
Plumbing/Sewer			
Electrical			
HVAC / Heating			
Sprinkler			
Waste removal*	Waste Management	350 Sumac Rd., Wheeling	(800) 796-9696

** Construction waste, other than debris removed directly by contractor in contractor's vehicle, shall be removed by Waste Management per an exclusive franchise agreement. Failure to comply will result in fines per the Municipal Code (Chapter 5.32).*

BY MY SIGNATURE BELOW I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. No error or omission in either the plans or application, whether said plans or application has been approved by the building director or not shall permit or relieve the applicant from constructing the work in any other manner than that provided for in the ordinance of this village relating thereto. **I understand that additional permits may be required for site/utility work (Engineering permits), fire suppression and fire alarm work (Fire Prevention Bureau), or food service (health permit).** The applicant having read this application and fully understanding the intent thereof declares that the statements made are true to the best of his/her knowledge and belief.

Applicant Signature: _____

PRINT NAME: _____

 Village Authorized Signature Date

*** OFFICE USE ONLY ***

CALCULATION OF FEES DEPOSIT: AMOUNT DUE AT ISSUANCE:

Plan Review		Plumbing Fee		Water Meter		Deposit paid:
Construction value fee		HVAC FEE		Water for Construction		Date:
CO Fee		Sewer Connection		Other:		Balance paid:
Electric Fee		Water Connection		Other:		Date:



RESIDENTIAL REROOFING AFFIDAVIT

ADDRESS :

I _____ do hereby certify

- that there will be a second roof installed at the above address.
- that there will be a tear-off and replacement of the roof at the above address.

I have read and will comply with the replacement requirements of the Village of Wheeling.

Signature

Company
(if roofing company is applying for permit)

Telephone

Date