



**BUILDING DEPARTMENT**  
**1990 E APPLE AVE, MUSKEGON, MI 49442**  
**TELEPHONE: 231-777-2555**  
**MICHIGAN RESIDENTIAL CODE 2015**

**AS A PERMIT HOLDER PLEASE BE ADVISED OF THE FOLLOWING:**

**Roofing:** Steps for shingling projects

1. Get a Permit.
2. Follow the Manufacturer's Specifications.
3. Inspections:
  - A. Provide Photos of Sheathing and Ice Barrier.
  - B. Call for a Final Inspection.

**Permits:** The Michigan State Building Code requires a Building Permit for roofing work. R105.1

**Manufacturer's Specifications:** Roofing must be done to the manufacturer's specifications and instructions. Specifications and instructions generally are listed on each bundle of shingles. Following the manufacturer's specifications and instructions is required by the Building Code and typically is necessary to meet the terms of any warranty. Pay special attention to the overhang of the shingles at the roof rake and eaves.

**Inspections:** In lieu of the initial inspection, the installer may provide *photographs* that show *sheathing* and properly-installed *ice barrier (showing full perimeter)*. Please e-mail to [permits@muskegontwp.org](mailto:permits@muskegontwp.org) and identify the address in the subject line.

When the project is completed, call the Building Division at 777-2555 Ext. 1127 for the required *final inspection* of the work.

**Roofing Contractors:** Roofing Contractors, like other contractors who contract with a homeowner to perform home construction, remodeling, or repair, must be licensed with the State of Michigan & registered with Muskegon Charter Township.

Contractors must display their license number on their advertising and make it available to consumers.

Building permits cannot be granted to contractors who are not properly licensed by the state. The License Law was written to insure a reasonable degree of protection for consumers of construction services, not to discourage homeowners from doing work on their own property. Homeowners can obtain permits to do work on their own home.

**Reroofing:**

Asphalt Shingles and Roof Pitch Sheathing

Asphalt shingles shall be fastened to solidly sheathed decks or 1-inch thick nominal wood boards. (MRC 905.2.1)

**Underlayment:** #15 Felt or approved synthetic underlayment. For roof slopes of 4:12 and greater, one layer of #15 felt must be applied. Each sheet must be lapped two (2) inches. Underlayment must be fastened sufficiently to hold it in place. End laps shall be offset by six (6) feet.

For roof slopes of 2:12 up to 4:12, Additional requirements are specific, see the Michigan Residential Code, Section R905.2.7 for underlayment requirements.

**Ice Protection:** New roof coverings shall not be installed without first removing existing roof coverings for the 4 conditions. (MRC 907.3)

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

The ice protection requirement applies to the main structure, to unheated attached garages and structures, and to conditioned detached accessory structures. An exception is made for detached accessory structures that contain no conditioned floor area. (MRC 905.2.7.1)

Existing vent flashing, metal edgings, drain outlets, collars, and metal counter flashings, shall not be reinstalled where rusted, damaged, or deteriorated. (MRC 907.5)

An ice barrier that consists of at least two layers of underlayment cemented together or a self-adhering polymer modified bitumen sheet, shall be used in lieu of normal underlayment and shall extend from the eave's edge to a point at least 24 inches inside the exterior wall line of the building. (MRC 905.2.7.1)

***In lieu of interrupting the job for an inspection, the installer may provide photographs of properly-installed ice barrier.***

**Fasteners:** Fasteners for asphalt shingles shall be galvanized steel, stainless steel, aluminum, or copper roofing nails with a minimum 12 gage shank and a minimum 3/8-inch diameter head, and of a length to penetrate through the roofing materials and into the roof sheathing a minimum of 3/4-inch. (MRC 905.2.5)

**Roof Ventilation:** Enclosed attics and rafter spaces must be ventilated to a total net free ventilated area of not less than 1-to-150. The ventilation area may be reduced to 1-to-300 when..... 50-to-80 percent of the ventilation is in the upper portion of the space and the remainder is eave and cornice venting, or when..... a vapor barrier of 1 perm or less is installed on the warm side of the ceiling. (MRC 806)

**Flashing:** A cricket or saddle shall be installed on the ridge side of any chimney greater than 30 inches wide. Cricket or saddle coverings shall be sheet metal or of the same material as the roof covering. . Flashing against a vertical sidewall shall be by the step-flashing method. At the end of the vertical sidewall the step flashing shall be turned out in a manner that directs water away from the wall. R905.2.8.3 Approved corrosion-resistant flashing shall be installed at wall and roof intersections. (IRC 703.8)

**Valleys:** Valley linings shall be installed in accordance with the manufacturer's instructions before applying shingles. R905.2.8.2



PERMIT HOLDER'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

The issuance or granting of a permit shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other ordinance.