

**CITY OF BERKLEY ROOFING SPECS
REVISED 9/01**

1. Strip shingles from house and haul away
2. Replace any damaged wood
3. Call for open roof inspection
4. Install ice and water shield on eaves edge
5. Install #15 felt on entire roof
6. Install metal drip edge on eave and rake edges
7. Flash & counterflash chimney
8. No staples to be used.
9. Provide adequate ventilation (roof vents per 2000 (Michigan Residential Code Section 806) See below.

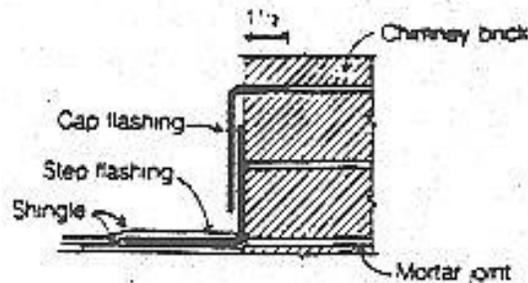


Figure 45: Application of cap flashing

Cap flashings must now be placed over all base flashings for positive exclusion of water from the joint. Begin by setting the metal cap flashing into the brickwork as shown in Figure 45. This done by raking out a mortar joint to a depth of 1 1/2 inches and inserting the bent edge of the flashing into the cleared joint. Once in place and being under a slight amount of spring tension, the flashing cannot be dislodged easily. Refill the joint with Portland cement mortar. Finally, bend the flashing down to cover the base flashing and to lie snugly against the masonry.

SECTION R806
ROOF VENTILATION

R806.1 Ventilation required. Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilating openings shall be provided with corrosion-resistant wire mesh, with 1/8-inch (3.2 mm) minimum to ¼ inch (6.35 mm) maximum openings.

R806.2 Minimum area. The total net free ventilating area shall not be less than 1 to 150 of the area of the space ventilate except that the total area is permitted to be reduced to 1 to 300, provided at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. As an alternative, the net free cross-ventilation area may be reduced to 1 to 300 when a vapor barrier having a transmission rate not exceeding 1 perm ($57.4 \text{ mg/s} \cdot \text{m}^2 \cdot \text{Pa}$) is installed on the warm side of the ceiling.

R806.3 Vent clearance. Where eave or cornice vents are installed, insulation shall not block the free flow of air. A minimum of a 1-inch (25.44 mm) space shall be provided between the insulation and the roof sheathing at the location of the vent.