



ROOFING REGULATIONS

(New Construction & Additions) - ROOFING REGULATIONS

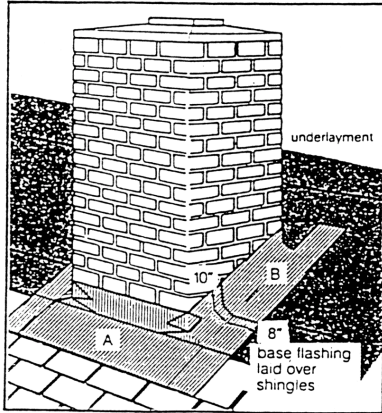
NOTE: The replacement of roofing materials on an existing structure which does not involve removal of any structural member, or load bearing supports is deemed a minor repair according to Chapter 105.2.2 of the Residential Code of Ohio and therefore, does not require a permit; however, the Contractors shall be registered according to Chapter 1317-Codified Ordinances.

Please note that all roofs which are part of a new construction, or new addition project, shall meet the requirements of the Code and this Bulletin.

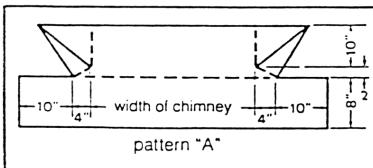
1. New roof installations shall comply with the Residential Code of Ohio and manufacturer's published instructions. Shingles or approved tiles shall be used on all slopes of 2 in 12 or steeper. An approved ice/water shield shall be installed under shingles on slopes from two units vertical in 12 units 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.
2. **R905.2.7.1 Ice protection.** In areas where the average daily temperature in January is 25°F (-4°C) or less or when Table R301.2(1) criteria so designates, an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer modified bitumen sheet, shall be used in lieu of normal underlayment and extend from the eave's edge to a point at least 24 inches (610 mm) inside the exterior wall line of the building.
Exception: Detached accessory structures that contain no conditioned floor area.
3. Roof materials, colors, and types of roof which do not match original design are subject to review and approval from the Architectural Board of Review 1313.
4. **Flashing details are on next page.** No flashing material shall be less than .016 inch/26 gage aluminum or equivalent. **Exception:** Detached accessory structures that contain no conditioned floor area.

CHIMNEY FLASHING

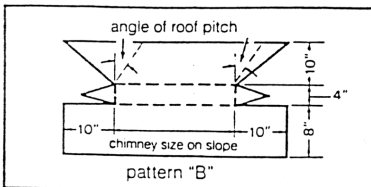
Since chimneys are usually built on a foundation that's separate from the one supporting the building itself, a chimney flashing must allow for differential settling movement - without damage to the water seal. Use base flashings that are secured to the roof deck, plus counter or cap flashings that are set into the masonry. Before putting flashings in place, apply shingles over roofing felt up to the front face of the chimney (see application instructions below).



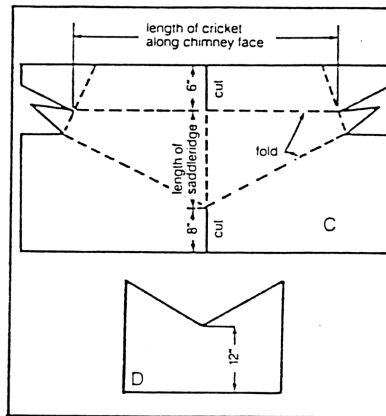
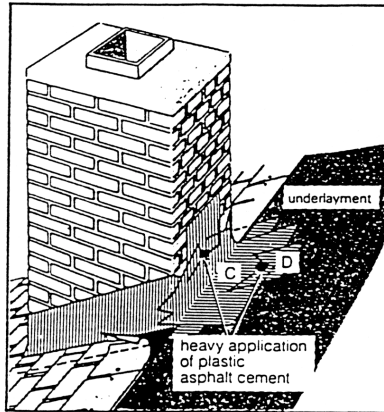
Cut the base flashing for the front according to pattern A. Follow pattern for the side base flashings.



PATTERN A: Lower section is laid over shingles in bed of asphalt plastic cement; upper vertical section is secured against masonry with asphalt plastic cement. Bend triangular ends of upper section around chimney corners and cement in place.

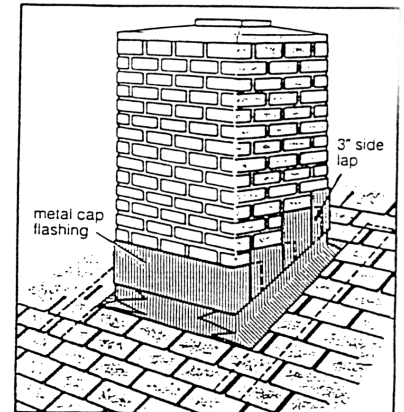


PATTERN B: Cut, bend to shape, and apply as shown - bedded in asphalt plastic cement. Secure to deck and brick work with plastic cement. Triangular ends on upper section are turned around chimney corner, then cemented in place over the front base flashing.

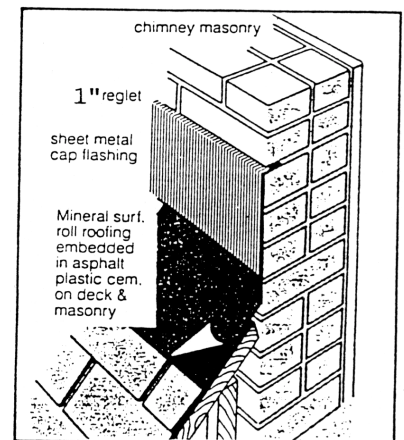


Follow pattern C for top base flashing. Cut and bend flashing to cover cricket, if there is one, and extend 6" to 12" up the brick work. The deck portion should also cover part of the side base flashing.

Pattern D (with the V cut out) is your guide for added protection where the ridge of the cricket joins the deck. Set this piece tightly in asphalt plastic cement - centered over the point where the cricket flashing extends up the deck. Place a second piece of flashing with a V cut from one side (so it conforms to the pitch of the cricket) over the cricket ridge and against the chimney. Secure it with asphalt plastic cement.



Front is one continuous piece. Sides and rear are of similar size, cut to conform to locations of brick joints and roof pitch. Side pieces should lay at least 3".



Cap flashings must be secured to brick work as shown. Rake out mortar joint to a depth of 1" and insert bent back edge of flashing in the cleared space. Refill the joint with cement mortar or asphalt plastic cement. Bend flashing down until it lies snugly against the masonry and covers the base flashing.