

# Batten Extender

## INSTALLATION GUIDE

**The following guidelines are provided to insure proper installation of Batten Extender; however, local building codes may differ so please consult with the local building department for additional or different installation requirements.**

A Batten Extender supports and engages roofing tiles that extend over flashings at intersections of roof sections and intersections of roofs and walls. Batten Extenders keep tiles supported, aligned and flat without obstructing the flow of water. Keeping the tiles supported also prevents flattening of the outer crimped edge of the valley flashing, which helps prevent lateral water flow onto the roof deck.

The Batten Extender is installed across the width of the flashing. It has support legs to allow the roof tile to sit above the flashing without obstructing water flow. Located in the Batten Extender are three nail holes allowing easy attachment to the horizontal batten.

The Batten Extender prevents roof tiles from slipping and prevents water damming and debris build-up on the flashings.

### THE FOLLOWING STEPS ARE PROVIDED FOR EASY APPLICATION OF THE BATTEN EXTENDER:

1. At valleys or roof-to-wall intersections, the horizontal battens should be terminated at the outside edge of the flashing to prevent crushing the crimped edge, which helps prevent lateral water flow onto the roof deck.
2. Attach the Batten Extender to the end of the horizontal batten with a minimum of two code approved roofing nails with the end of the Batten Extender the same distance from the side wall or center of the valley as the cut edges of the tiles. (Figures 1-4) Install the roof tile on top of the Batten Extender. (Figure 4)
3. Install the roof tile on top of the Batten Extender (Figure 4). The roof tile should be installed in line and straight on top of the Batten Extender. (Figure 5)
4. Fasten the roof tile to the Batten Extender with an approved wire through a nail hole in the roof tile. Approved wire is one of the following:
  - a. 14 gauge (.090" dia.) type 304 stainless steel conforming to ASTM A580
  - b. 10 gauge (.101" dia.) copper conforming to ASTM B3
  - c. 12 gauge (.105" dia.) galvanized steel conforming to ASTM-A641-92



Figure 1

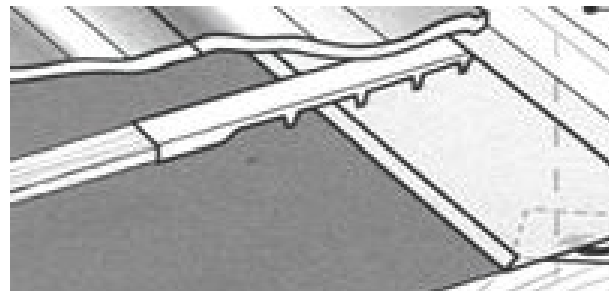


Figure 2



Figure 3



Figure 4

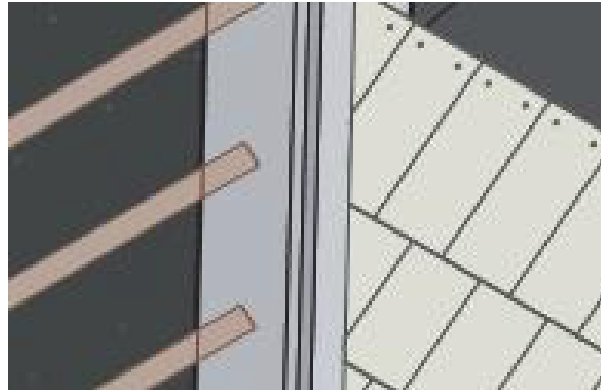


Figure 5



Figure 6

**Note:** For cut tiles where the nail hole was cut off, drill a new hole using a 3/8-inch masonry drill bit.

Loop the wire through the nail hole in the roof tile and around the Batten Extender or roofing nail fully driven into the roof deck or wood batten and twist the two ends together six times. (Figure 6)

Alternatively, a polyurethane foam adhesive or code approved sealant (caulking) may be used to secure the roof tiles, in place of a wire by securing the overlap (head-lap) of the roof tiles with a polyurethane adhesive. Follow the adhesive or sealant manufacturer's specifications for attachment of roof tiles, unless otherwise specified by local building codes.

A code approved sealant (caulking) should conform to ASTM C719 standard for bond and durability.

