



Re-Roofing - Single Family Homes

City of Prior Lake Requirements

SUBMITTALS AND REQUIREMENTS FOR PERMIT: Building Permits are required

- Remove roofing materials to the sheathing
- Replace any damaged or rotten sheathing
- Replace any damaged or rusted flashing, vent jacks, roof vents, etc.
- Install ice dam protection from drip edge to 24" beyond face of inside of exterior wall and in all valleys
- Minimum 15-pound underlayment required over sheathing
- Follow manufacturer's installation instructions
- Install attic vents as per 2015 Minnesota Residential Building Code – per requirements below:

Attic Ventilation: Attic ventilation is required for all attic spaces. Attics must have cross ventilation with a net free ventilation area of one (1) square foot of attic vent for every one hundred fifty (150) square feet of attic floor area. If the attic vents can be installed high on the roof with soffit vents: install one (1) square foot of attic vent for three hundred (300) square feet of attic floor, with 50% of the vents high on the roof and 50% of the vents in the soffits. All roof vents shall be screened with corrosion resistant metal screen with openings of not more than 1/4".

Ice Dam Protection: For roofs with a 4 in 12 pitch or greater, ice dam protection is required from the eave edge to a distance of 24 inches from the inside of the exterior wall and vertical to the roof deck. Acceptable material for ice dam protection is a minimum self adhering polymer of #40 smooth rolled roofing. (See Illustration). Roofs with a pitch of less than 4 in 12 will have additional requirements.

Nails must be a minimum 12-gauge corrosion resistant with a 3/8-inch head. Fasteners must be long enough to penetrate 3/4 of an inch or all the way through the sheathing, whichever is less. *Follow manufacturer's recommendation for placement of fasteners.* Care must be taken not to damage the shingle when nailing. Pneumatic nailing tools must have the air pressure adjusted to set the nail.

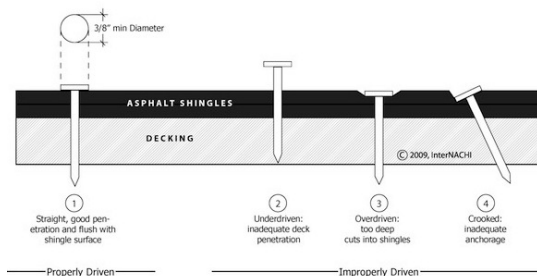
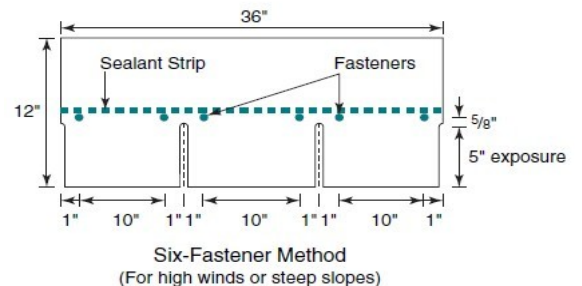
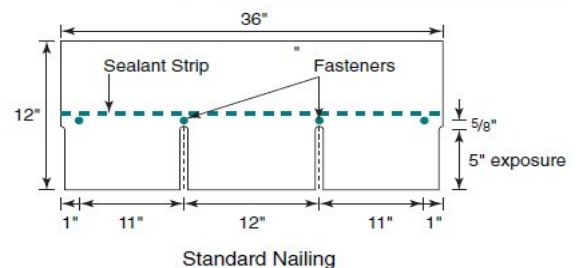


FIGURE 2-11 Fastening Three-Tab Shingles.



Standard nailing for three-tab shingles is four nails per shingle just below the sealant strip. For more demanding conditions, such as high winds or steep pitches over 21:12, use six fasteners, as shown.

Flashing: At the juncture of the roof and a vertical surface, flashing and kick out flashings shall be provided as per manufacturer’s recommendations. Metal must be corrosion resistant number 26-gauge galvanized steel or not less than .019-inch other metal.

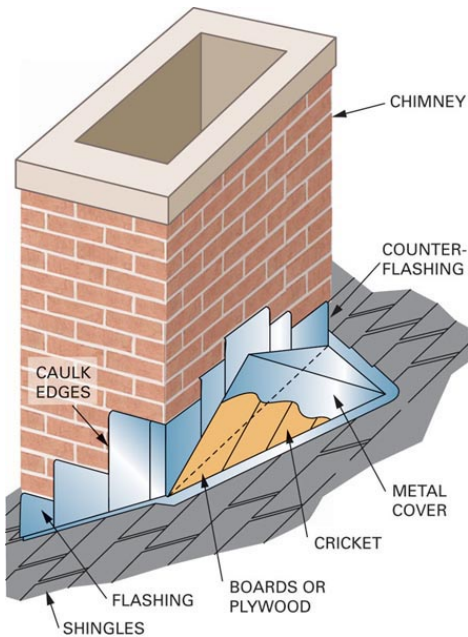
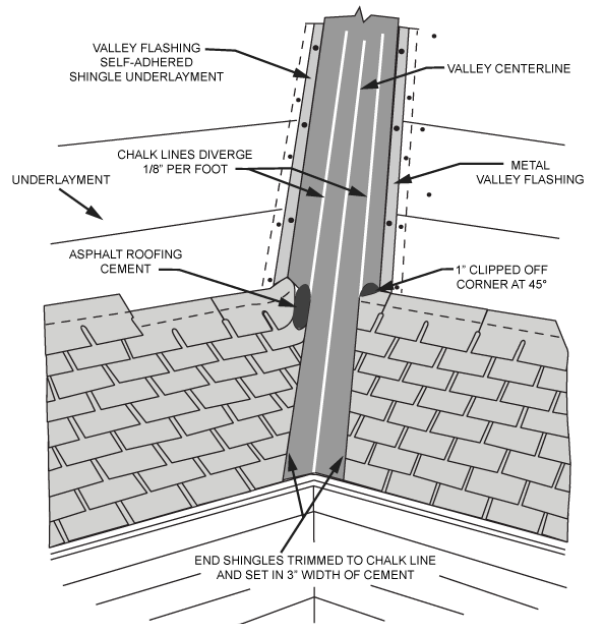
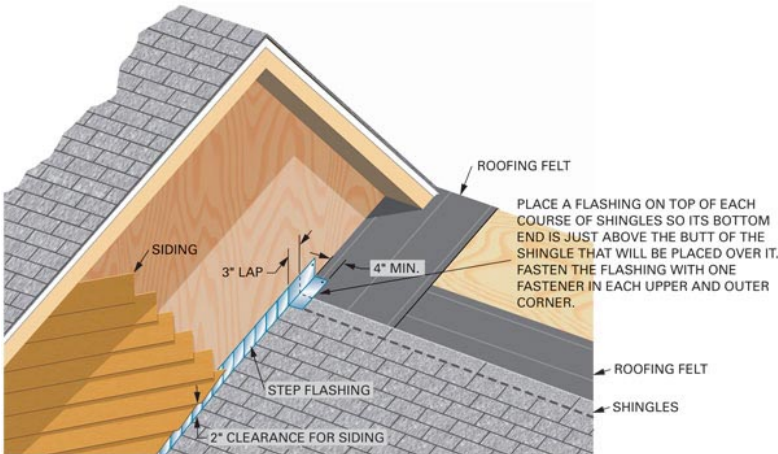
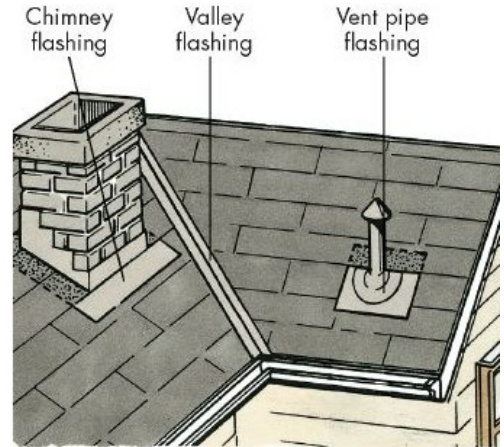
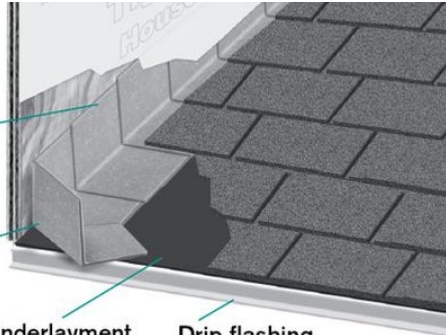
Flashing examples:

Kickout Flashing

Step flashing

Kickout flashing

Underlayment Drip flashing



Overlaying Shingles: Installing New Asphalt Shingles Over Old Asphalt Shingles

Requirements are outlined in the 2015 Minnesota Residential Building Code R907. An onsite inspection is required prior issuance of a permit.

INSPECTIONS REQUIRED

- Send Ice and Water Shield photos to permits@cityofpriorlake.com.
- Final – call 952.447.9850