



GILPIN COUNTY

2018 ROOFING REQUIREMENTS

General Information

- Applicable codes ~2015 IRC and IBC.
- Permits are required if over 100 square feet.
- Overlays are not permitted.
- *All roofing materials must be installed per manufacturer's Instructions.*
- A mid-roof inspection is required.
- Packaging for shingles, ice and water shield, and nails shall be available at time of final inspection.
- All roofing types require ice and water shield on eaves and valleys. For metal sheet roofing, the ice and water shield shall be high-temperature rated (as evidenced by manufacturer's specifications).

Slope – Asphalt shingles shall be used only on roof slopes 2:12 or greater.

Wind

- Gilpin County Wind Speed = 130 mph nominal or 168 mph ultimate.
- Allowable asphalt shingles shall be identified by one of the following high-wind speed designations:

ASTM D 7158	ASTM D 3161
H	F

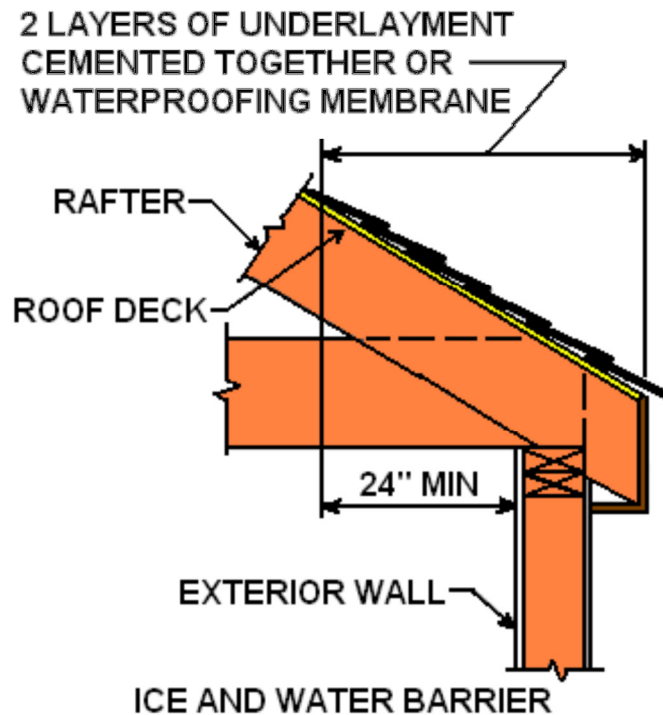
Fire Rating – All asphalt shingles shall have a ASTM Class A fire rating

Drip Edge – Required on all eaves and rakes.

Underlayment

- For roof slopes 2:12 to 4:12, underlayment shall be two layers.
- For roof slopes greater than 4:12, underlayment may be one layer.

Ice Shield – Except for detached accessory structures containing no conditioned floor area, ice shield is required in valleys and above eaves as shown below. Ice shield is also required for metal roof panels.



Fasteners

- Asphalt shingles shall be fastened to solidly sheathed decks.
- Nails shall be galvanized steel, stainless steel, aluminum or copper
- Shank shall be 12 gage minimum.
- Head shall be $\frac{3}{8}$ inch minimum diameter
- Length shall be sufficient to penetrate through the roofing materials and a minimum of $\frac{3}{4}$ inch into the roof sheathing.
- Where the roof sheathing is less than $\frac{3}{4}$ inch thick, the fasteners shall penetrate through the sheathing.

