

ASPHALT SHINGLE INSTALLATION BASED ON THE 2022 CT S.B.C.

R905.1 ROOF COVERING - Roof coverings shall be applied in accordance with manufacturer's installation instructions.

R905.1.1 Underlayment - A minimum 4" wide strip of ice and water barrier shall be applied over all plywood joints in the roof decking. Underlayment shall be applied over the entire roof and over the 4" wide strip of ice and water barrier.

Exception: Cover the entire roof with ice and water barrier.

R905.1.2 ICE BARRIER - Ice and water barrier shall extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building. (See illustration below)

R905.2.2 SLOPE - Asphalt shingles shall be used only on roof slopes of 2:12 or greater. For roof slopes from 2:12 up to 4:12, continuous ice and water barrier applied from eave to ridge is required in accordance with Section R905.2.7.

R905.2.5 FASTENERS - Fasteners for asphalt shingles shall be galvanized steel, stainless steel, aluminum or copper roofing nails, minimum 12 gage shank with a minimum 3/8" diameter head, and of a sufficient length to penetrate through the sheathing.

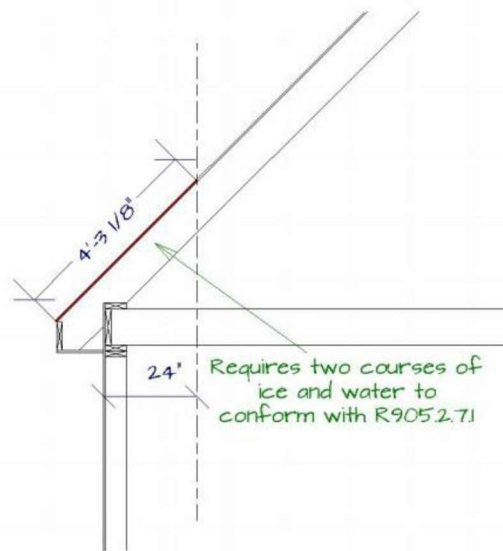
R905.2.6 ATTACHMENT - Asphalt shingles shall have the minimum number of fasteners required by the manufacturer. Asphalt shingles shall be secured to the roof with not less than four fasteners per strip shingle or two fasteners per individual shingle. Where the roof slope exceeds 20:12, asphalt shingles shall be secured to the roof in accordance with the manufacturer's special installation instructions or not less than six fasteners per strip shingle or three fasteners per individual shingle.

R905.2.8.2 VALLEYS - Valley shall have a 36" wide strip of ice and water barrier installed per manufacturer's instructions.

R905.2.8.3 SIDEWALL FLASHING - Step flashing shall be installed against all vertical sidewalls to direct water away from the vertical sidewall onto the roof or gutter.

R905.2.8.4 FLASHING - Apply chimney, wall, & vent flashing per shingle manufacturer's instructions.

R905.2.8.5 EDGING - Install drip and rake metal edging at eaves and rakes on shingle roofs. Adjacent pieces of drip edges shall overlap a minimum of 2" at butt joints, shall extend a minimum of 0.25" below roof sheathing at eaves, extend up the roof sheathing a minimum of 2" at eaves, and shall be fastened to the roof sheathing at 12" o.c. with nails complying with R905.2.5. Underlayment shall be installed over the drip edge along eaves and under the rake edge on gables.



REQUIRED INSPECTIONS:

- 1. UNDERLAYMENT INSPECTION** – Inspection verifying code compliant installation of ice and water barrier, underlayment, & edge flashing before installation of shingles.
- 2. FINAL INSPECTION** – Inspection verifying code compliant completed installation of roof covering.

**ROOFING PROJECTS WILL NOT BE APPROVED
WITHOUT COMPLETING ALL REQUIRED INSPECTIONS**