

ASPHALT SHINGLE INSTALLATION BASED ON THE 2021 INTERNATIONAL BUILDING CODE

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

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 double underlayment application is required in accordance with Section R905.1.1

R905.2.3 UNDERLAYMENT - Unless otherwise noted, required underlayment shall conform to R905.1.1

R905.2.4.1 WIND RESISTANCE - Asphalt shingles packages shall bear a label indicating compliance with ASTM D7158

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, ASTM F 1667, of a length to penetrate through the sheathing. Fasteners shall comply with ASTM F 1667.

R905.2.6 ATTACHMENT - Asphalt shingles shall have the minimum number of fasteners required by the manufacturer. For normal application, 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 21:12 Installed Per. Mfg. Instructions.

R905.2.7.1 ICE BARRIER - Ice and water barrier Shall comply with Section R905.1.2 inside the exterior wall line of the building. (See illustration below)

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

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

R905.2.8.5 Drip EDGING Install drip and rake metal edging at eaves and gables per manufacturer's instructions.

