

Re-Roofing Permit: Technical Specifications

Thank you to Homebuilders Association of Greater New Orleans for providing example photos

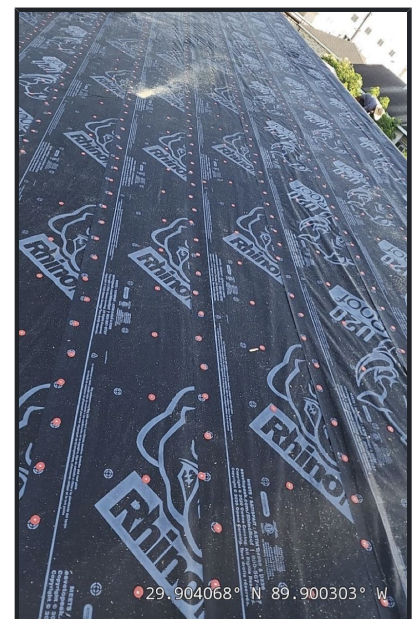
Underlayment [IRC Tables R905.1.1(1), R905.1.1(2) & R905.1.1(3)]

Geotagged photos must be taken prior to covering self-adhering underlayment or self-adhering 4-inch strips (minimum one photo each side of roof). As an alternative to the standard underlayment application where wind design is required [IRC Table R905.1.1(2)], in accordance with IRC Section 905.1.1, Exception 1, self-adhering polymer-modified bitumen underlayment bearing a label indicating compliance with ASTM D1970, or Exception 2, a minimum 4-inch-wide strip of self-adhering polymer-modified bitumen membrane bearing a label indicating compliance with ASTM D1970, installed in accordance with the manufacturer's installation instructions for the deck material, shall be applied over all joints in the roof decking. An approved underlayment complying with the applicable roof covering for areas where wind design is not required in accordance with IRC Figures shall be applied over the entire roof over the 4-inchwide membrane strips. Underlayment shall be applied in accordance with IRC Table R905.1.1(2) using the application requirements for areas where wind design is not required in accordance with Figure R301.2.1.1. Underlayment shall be attached in accordance with IRC Table R905.1.1(3).

Geotagged photos must be taken before underlayment is covered (minimum one photo of each side of roof). Underlayment: Underlayment shall meet ASTM D226 Type II, ASTM D4869 Type III or Type IV (i.e., 30# felt or synthetic). NOTE: 15# felt (Type I) is not allowed. Underlayment shall be two layers applied in the following manner: apply a 19-inch strip of underlayment felt parallel to and starting at the eaves. Starting at the eave, apply 36-inch-wide sheets of underlayment, overlapping successive sheets 19 inches. Distortions in the underlayment shall not interfere with the ability of the shingles to seal. End laps shall be 4 inches and shall be offset by 6 feet. The underlayment shall be attached with corrosion-resistant fasteners in a grid pattern of 12 inches between side laps with a 6-inch spacing at side and end laps. Underlayment shall be attached using annular ring or deformed shank nails with 1-inch-diameter metal or plastic cap.



Taped Sheathing Seams Photo



Underlayment Nailing Patten Photo

Drip Edge (IRC Section 905.2.8.5)

Geotagged photos must be taken of the drip edge nailing pattern before covering (minimum one photo of each side of roof). A drip edge shall be provided at eaves and rake edges of shingle roofs. Adjacent segments of drip edge shall be overlapped not less than 2 inches. Drip edges shall extend not less than ¼ inch below the roof sheathing and extend up back onto the roof deck not less than 2 inches. Drip edges shall be mechanically fastened to the roof deck at not more than 12 inches o.c. with fasteners as specified in Section R905.2.5. Underlayment shall be installed over the drip edge along eaves and under the drip edge along rake edges.

Asphalt Shingles (IRC Table 905.2.4.1)

Geotagged photos must be taken of shingle nailing pattern prior to covering (minimum one photo of each side of roof), and shingle packaging with manufacturer's installation instructions.

1. Shingles must be tested in accordance with ASTM D 3161, Class F approved for use up to 194mph (V-ult)/150mph (V-asd) or ASTM D 7158, Class G up to 155mph (V-ult)/120mph (V-asd) OR Class H up to 194mph (V-ult)/150 mph (V-asd).
2. Shingles that are MIAMI-DADE approved are also approved for use.
3. Asphalt shingles shall have the minimum number of fasteners (6 per shingle is standard) required by the manufacturer's approved installation instructions. Where the roof slope exceeds 21 units vertical in 12 units horizontal (21: 12, 175-percent slope), shingles shall be installed in accordance with the manufacturer's approved installation instructions.



Asphalt Shingles and Nailing Pattern Photo



Shingle Packaging Photo

Metal Roof Panel Covering and Other Approved Roof Covering Materials (IRC, Section 905)

Geotagged photos must be taken of the following stages of installation (minimum one photo of each side of roof):

1. Materials packaging with notation of wind rating compliance
2. Underlayment and Nailing Pattern
3. For Metal, Terra Cotta, Slate, Cement Tile or other approved roofing materials, fasteners in compliance with Section 905 and manufacturers installation instructions.