**6th Edition (2017) Florida Building Code, Existing Building**

**[BS] 706.3 Recovering versus replacement.** New roof coverings shall not be installed without first removing all existing layers of roof coverings down to the roof deck where any of the following conditions occur:

1. Where the existing roof or roof covering is water soaked or has deteriorated to the point that the existing

roof or roof covering is not adequate as a base for additional roofing.

2. Where the existing roof covering is wood shake, slate, clay, cement or asbestos-cement tile.

3. Where the existing roof has two or more applications of any type of roof covering.

4. When blisters exist in any roofing, unless blisters are cut or scraped open and remaining materials secured

down before applying additional roofing.

5. Where the existing roof is to be used for attachment for a new roof system and compliance with the securement

provisions of Section 1504.1 of the *Florida Building Code, Building* cannot be met.

**706.7 Mitigation.** When a roof covering on an existing site built single-family residential structure is removed and

replaced, the following procedures shall be permitted to be performed by the roofing contractor:

(a) Roof-decking attachment shall be as required by Section 706.7.1.

(b) A secondary water barrier shall be provided as required by Section 706.7.2.

**Exception:** Single-family residential structures permitted subject to the *Florida Building Code* are not required to

comply with this section.

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**SECTION 1504 PERFORMANCE REQUIREMENTS**

**1504.1 Wind resistance of roofs.** Roof decks and roof coverings shall be designed for wind loads in accordance with Chapter 16 and Sections 1504.2, 1504.3 and 1504.4.

**1504.1.1 Wind resistance of asphalt shingles.** Asphalt shingles shall be designed for wind speeds in accordance

with Section 1507.2.7.

**1504.2 Wind resistance of clay and concrete tile.** Wind loads on clay and concrete tile roof coverings shall be in

accordance with Section 1609.5.

**1504.3 Wind resistance of nonballasted roofs.** Roof coverings installed on roofs in accordance with Section 1507 that are mechanically attached or adhered to the roof deck shall be designed to resist the design wind load pressures for components and cladding in accordance with Section 1609.

**1504.4 Ballasted low-slope roof systems.** Ballasted lowslope (roof slope < 2:12) single-ply roof system coverings

installed in accordance with Sections 1507.12 and 1507.13 shall be designed in accordance with Section 1504.8 and

ANSI/SPRI RP-4.

**1507.2 Asphalt shingles.** The installation of asphalt shingles shall comply with the provisions of this section. or RAS 115.

**1507.2.1 Deck requirements.** Asphalt shingles shall be fastened to solidly sheathed decks.

**1507.2.2 Slope.** Asphalt shingles shall only be used on roof slopes of two units vertical in 12 units horizontal (17-

percent slope) or greater. For roof slopes from two units vertical in 12 units horizontal (17-percent slope) up to four

units vertical in 12 units horizontal (33-percent slope), double underlayment application is required in accordance

with Section 1507.2.8.

**1507.2.3 Underlayment.** Underlayment shall comply and be installed in accordance with Section 1507.1.1.

**1507.2.4 Self-adhering polymer modified bitumen sheet.** Self-adhering polymer modified bitumen sheet shall

comply with ASTM D1970.

**1507.2.5 Asphalt shingles.** Asphalt shingles shall have self-seal strips or be interlocking and comply with ASTM

D225 or ASTM D3462. Shingles shall also comply with Table 1507.2.7.1. Asphalt shingle packaging shall bear

labeling indicating compliance with one of the required classifications as shown in Table 1507.2.7.1.

**1507.2.6 Fasteners.** Fasteners for asphalt shingles shall be galvanized, stainless steel, aluminum or copper roofing

nails, minimum 12-gage [0.105 inch (2.67 mm)] shank with a minimum 3/8-inch-diameter (9.5 mm) head, of a

length to penetrate through the roofing materials and a minimum of 3/4 inch (19.1 mm) into the roof sheathing.

Where the roof sheathing is less than 3/4 inch (19.1 mm) thick, the nails shall penetrate through the sheathing. Fasteners shall comply with ASTM F1667.

**1507.2.6.1** The nail component of plastic cap nails shall meet the corrosion-resistance requirements of Section

1506.5.

**1507.2.7 Attachment.** Asphalt shingles shall have the minimum number of fasteners required by the manufacturer

and Section 1504.1. 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 units vertical in 12 units horizontal

(21:12), asphalt shingles shall be installed in accordance with the manufacturer’s printed installation instructions

for steep-slope roof applications.