

**PUTNAM COUNTY PLANNING & DEVELOPMENT SERVICES
BUILDING DEPARTMENT**

2509 Crill Ave., Suite 300
Palatka, FL 32177
Fax: (386) 329-1213
In Florida: 1-800-432-0364



Building Division: (386) 329-0307
Licensing Division: (386) 329-0461
Email: pzb@putnam-fl.com

WINDSTORM MITIGATION RETROFIT REQUIREMENTS

Effective April 6, 2008 the following standard complying with Florida Statute 553.844 will be applied to all residential structures undergoing a re-roof construction:

101.1 When a roof on an existing site-built, single family residential structure is replaced:

- a) A Roof-decking attachment and fasteners shall be strengthened and corrected as required by section 201.1.
- b) A secondary water barrier shall be provided as required by section 201.2.

201 Roof System Mitigation Techniques. Roof sheathing fastening, secondary water barriers, roof to wall connection and gable end bracing shall be permitted pursuant to this section.

201.1 Roof sheathing fastening for site-built single family residential structures. For site-built single family residential structures the fasteners and spacing required in Table 201.1 are deemed to comply with the requirements of Section 507.2.2 and 511.5, of the 2004 Florida Building Code, Existing Building.

Board roof decking secured with at least two 8d nails into roof framing members shall be deemed to be sufficiently connected. Board roof decking secured with fasteners smaller than 8d nails or with fewer than two 8d nails per board shall be deemed sufficiently connected if two 8d clipped head, round head, or ring shank nails are in place on each framing member.

Supplemental fasteners as required by Table 201.1 shall be 8d ring shank nails with round heads and the following minimum dimensions:

- | | |
|---|--|
| 1. 0.113 inch nominal shank diameter | 4. 0.280 inch full round head diameter |
| 2. Ring diameter of 0.012 over shank diameter | 5. Ring shank to extend a minimum of 1 1/2" from tip of the nail |
| 3. 16 to 20 rings per inch | 6. Minimum 2-1/4 inch nail length |

**Table 201.1
Supplement Fasteners at Panel Edges and Intermediate Framing**

Existing fasteners	Existing spacing	Wind speed 110 mph or less supplemental fastening shall be no greater than	Wind speed greater than 110 mph supplemental fastening shall be no greater than
Staples or 6d	Any	6" o.c. ^b	6" o.c. ^b
8d clipped head, round head, or ring shank	6" o.c. or less	None necessary	None necessary
8d clipped head, round head or ring shank	Greater than 6" o.c.	6" o.c. ^a	6" o.c. ^b

a. Maximum spacing determined based on existing fasteners and supplemental fasteners.
b. Maximum spacing determined based on supplemental fasteners only.

201.2 Roof secondary water barrier for site-built single family residential structures. A secondary water barrier shall be installed using one of the following methods when re-roofing.

- a) All joints in structural panel, roof sheathing or decking shall be covered with a minimum 4 in. wide strip of self-adhering polymer modified bitumen tape applied directly to the sheathing or decking. The deck and self adhering polymer modified bitumen tape shall be covered with one of the underlayment systems approved for the particular roof covering to be applied to the roof.
- b) The entire roof deck shall be covered with an approved self-adhering polymer modified bitumen sheet. No additional underlayment shall be required on top of this cap sheet for new installations.
- c) The entire roof deck shall be covered with an approved asphalt impregnated 30# felt underlayment installed with nails and tin-tabs as required for HVHZ. (No additional underlayment shall be required over the top of this sheet.)
- d) Outside of the HVHZ, an underlayment complying with section 1507.2.3 of the Florida Building Code, Building fastened as described below or a layer of asphalt impregnated approved 30# felt shall be installed. The felt is to be fastened with 1" round plastic cap or metal cap nails, attached to a nail able deck in a grid pattern of 12 inches (305mm) staggered between the overlaps, with 6 inch (152mm) spacing at the overlaps. For slopes of 2:12 to 4:12 an additional layer of felt shall be installed in a shingle fashion and lapped 19" and fastened as described above. (No additional underlayment shall be required over the top of this sheet).

EXCEPTION:

- 1. Roof slopes <2:12 having a continuous roof system shall be deemed to comply with section 201.2 requirements for a secondary water barrier.
- 2. Clay and concrete tile roof systems installed as required by the Florida Building Code are deemed to with the requirements of section 201.2 for Secondary Water Barriers.