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Single Family Residence Hurricane Mitigation Requirements

Effective October 1, 2007, Florida Statute 553.844 requires that all reproofing of single family residences must include supplemental nailing of the roof sheathing, and all roofs must contain a secondary water barrier. These requirements must be validated by the Renailing and Secondary Water Barrier Affidavit, which must be completed, signed, and notarized, and must be available on site prior to the roof in progress inspection.

Re-Nailing of Roof Sheathing -

All existing roof sheathing shall be nailed at all joints and edges in accordance with the following table:

Supplement Fasteners at Panel Edges and Intermediate Framing (Ref. FS 553.844, Table 201.1)

<u>Existing Fasteners</u>	<u>Existing Spacing</u>	<u>Supplemental fastening shall be no greater than</u>
Staples or 6d	Any existing spacing	6" o.c.**
8d clipped head, round head, or ring shank	6" o.c. or less	None necessary
8d clipped head or round head	Greater than 6" o.c.	6" o.c.**
8d round head ring shank	Greater than 6" o.c.	6" o.c.*

* Maximum spacing determined based on existing fasteners and supplemental fasteners.

** Maximum spacing determined based on supplemental fasteners only.

Supplemental nails must have the following properties:

1. 0.113 inch nominal shank diameter
2. Ring diameter of 0.012 over shank diameter
3. 16 to 20 rings per inch
4. 0.280 inch full round head diameter
5. 2-1/4 inch nail length

Secondary Water Barrier –

A secondary water barrier, consisting of a 4" wide, 40 mil self-adhering polymer modified bitumen tape, in compliance with ASTM D1970, must be applied directly to all roof sheathing joints, prior to the installation of the roofing base sheet. As an alternate and only after the base sheet is installed and approved by the City, an approved "Peel and Stick" self-adhering polymer modified bitumen cap sheet, or an approved cap sheet applied in a hot-mop application, shall be deemed to meet the requirements for the secondary water barrier.