

2006 SUPPLEMENT TO THE 2004 FLORIDA RESIDENTIAL CODE
November 15, 2006

The following list outlines the supplemental changes to the 2004 Florida Residential Code. The narrative following each code section constitutes the combined interpretation for purposes of code enforcement of the various building inspection offices in Florida's Big Bend; specifically, Florida State University, City of Tallahassee, City of Quincy, Gadsden County, Hamilton County, Jefferson County, Lafayette County, Leon County, Madison County, Suwannee County and Wakulla County. *NOTE: Applications for building permits received on or after December 8, 2006 shall comply with the 2006 Supplement to the 2004 Florida Building Code, Residential.*

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- 1) Table R301.2 (4) – A new table has been added for garage door pressures in exposure B with footnotes added.
- 2) Section R301.2.1 – Wind Limitations - The language “for windows and doors” has been deleted and language added that includes Table R301.2 (4).
- 3) Section R301.2.1.1 (5) – SBCCI Standard 10 has been deleted from list and IBHS Guidelines for hurricane resistant Residential Construction for buildings in 140 mph or less 2005 edition has been added. Additional language to define when the IBHS Standard can be used has also been added. (IBHS - Institute for Business and Home Safety)
- 4) Section R301.2.1.1.2 – Sunrooms – This is a new section that has been added to define the standards for prefabricated sunrooms (AAMA, NPEA, NSA 2100). The structural requirements and testing for wind remain under ASCE – 7.
- 5) Section R301.3 (1) – Story Height – Language has been added to further define story height. Language has also been added to define when attics are to be considered stories for the purpose of determining uplift loads, gravity loads and lateral bracing requirements.
- 6) Figure R301.3 – New figure has been added to graphically illustrate story heights.
- 7) Section R308.1 – Identification – Language has been added to require a label on safety glazing in hazardous locations that will indicate type and thickness of glass.
- 8) Section R314.5.3 – Attics – This section is essentially the same except that crawlspaces have been removed and new language added that does not require foam plastic insulation in attics to have an ignition barrier when tested as per R314.6
- 9) Section R314.5.4 - Crawl spaces – This is a new section that was previously included in the attic section. The requirements for foam plastics in crawlspaces are the same as those for attics.
- 10) Section R314.6 – Specific approval – This section allows foam plastics not meeting the requirements of section R 314.3 thru R314.5 to be approved by other means.

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- 11) Section R316.4 – Exposed attic insulation – This section has new language that requires foam plastic insulation installed on the underside of roof decking to comply with section R314
- 12) Section R401.1 (1.3) – This is a new exception that has been added that requires an engineered design on foundations when uplift loads can not be determined from table R401.1 or when uplift loads determined from Table R401.1 exceed 0.
- 13) Section R404.1.1.1 – This is a new section that requires an 8” x 8” bond beam with one #5 horizontal reinforcing steel bar with wood or light frame steel construction above.
- 14) Section 606.9 – Reinforcement – This is a new section number with new language added that requires reinforcing steel to be a minimum of grade 60 #4 or #5 bars and be identified.
- 15) Section R606.9.3 – Bending – This is a new section outlining the requirements for bending reinforcing steel. Reinforcement shall be bent in the shop or in the field. All reinforcement shall be bent cold. The diameter of the bend measured on the inside of the bar, shall not be less than six-bar diameters. Steel reinforcing bars partially embedded in concrete shall not be field bent.
- 16) Section R606.9.3 Exception – This is a new exception allowing the bending of dowel reinforcing bars to align with the cells of cmu’s. Realignment is not to exceed 1 inch of horizontal displacement for every 6 inches of vertical bar length.
- 17) Section R606.9.8 – Termination – New section requiring all vertical wall reinforcing bars to be terminated by hooking into a bond beam or footing.
- 18) Section R703.2 – Exception #2 – The exception that required weather resistant paper under panel siding with shiplap joints or battens has been deleted.
- 19) Section R905.2.5 – Exception – This exception has been added to allow an architectural appearance on exposed roof decking without the fasteners penetrating the roof decking. This exception also requires an architect or engineer to seal this type of exposed roof decking design for wind loading.
- 20) R905.2.6.1 – Wind resistance of asphalt shingles – This is a new code section along with Table 905.2.6.1 requires asphalt shingles installed on roofs in areas where the maximum basic wind speed is above 100 mph and up to 120 mph to have an ASTM D3161 Class F, ASTM D7158 Class G or TAS 107 rating. In areas where the maximum basic wind speed is above 120 mph asphalt shingles installed on roofs shall have an ASTM D3161 Class F, ASTM D7158 Class H or TAS 107 rating. Asphalt shingle wrappers must indicate which compliance category the shingles were tested.

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- 21) R905.2.8.6 – Drip Edge – This code section has been changed to require drip edge at eaves and gables of shingle roofs. Overlap is to be a minimum of 3". Eave drip edges shall extend ½ inch below sheathing and extend back on the roof a minimum of 2 inches. Drip edge at eaves shall be permitted to be installed either over or under the underlayment. If installed over the underlayment there shall be a minimum 4 inch width of roof cement installed over the drip edge flange. Drip edge shall be mechanically fastened a maximum of 12 inches on center. Where the basic wind speed per figure R301.2 (4) is 110 mph or greater or the mean roof height exceeds 33 feet, drip edges shall be mechanically fastened a maximum of 4 inches on center.
- 22) Section 702.1 FMC Combustion air shall be obtained from the outdoors for mechanical systems installed in buildings complying with the Florida Energy Code.
- 23) Section 13-608.1.ABC.2.2 Heat pumps equipped with internal electric resistance heat strips shall have one of two specified controls to prevent supplemental heater operation under certain conditions.
- 24) Section 13-600.3 ABC.3 New forms with new FLA/RES-2004 Version 4.5 software.
- 25) Section 13-607.1.ABC.1. – Equipment sizing – Each installed HVAC system is now required to be sized individually.
- 26) Section 13-607.1.ABC.1.1 - Cooling Equipment Capacity – This code section has been changed to show that equipment sizing is now based on total capacity and not just the sensible capacity of the equipment. The change also reduces the percentage of oversizing allowed from 1.20 times greater than the calculated sensible load to 1.15 times greater than the calculated total load. The manufacture and model number of the equipment for each system installed will also be required to be submitted with the sizing calculations.
- 27) Section 250.50 2005 NEC – All grounding electrodes that are present in a building such as foundation reinforcing steel, metal underground water piping, and metal building frames shall be bonded together with a minimum #4 AWG copper grounding electrode conductor. Where none of these grounding electrodes exist, a minimum #2 AWG copper grounding ring, metal pipe or plate shall be used.
- 28) Section 680.26 2005 NEC – Equipotential Bonding Grid – This code change requires that a bonding grid of wire reinforcement extend a minimum of three feet from the pool edge and be bonded to all other metal parts within five feet of the pools edge including pump motors with a #8 AWG bonding conductor.