

CHAPTER 4 [RE]RESIDENTIAL ENERGY EFFICIENCY

2014 Florida Energy Code

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Fuel gas lighting systems shall not have continuously burning pilot lights.

SECTION R405

SIMULATED PERFORMANCE ALTERNATIVE

(PERFORMANCE)

R405.1 Scope.
This section establishes criteria for compliance using simulated energy performance analysis. Such analysis shall include heating, cooling, and service water heating energy only.

R405.2 Mandatory requirements.
Compliance with this section requires that the mandatory provisions identified in Section R401.2 be met. All supply and return ducts not completely inside the *building thermal envelope* shall be insulated to a minimum of R-6.

R405.2.1 Ceiling insulation.
Ceilings shall have an insulation level of at least R-19, space permitting. For the purposes of this code, types of ceiling construction that are considered to have inadequate space to install R-19 include single assembly ceilings of the exposed deck and beam type and concrete deck roofs. Such ceiling assemblies shall be insulated to at least a level of R-10.

R405.3 Performance-based compliance.
Compliance based on simulated energy performance requires that a proposed residence (*proposed design*) be shown to have annual total normalized modified loads that are less than or equal to the annual total loads of the standard reference design as calculated in accordance with Appendix B of this standard.

R405.4 Documentation.
Documentation of the software used for the performance design and the parameters for the building shall be in accordance with Sections R405.4.1 through R405.4.3.

R405.4.1 Compliance software tools.

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