

Proposed Modification to the Florida Building Code, 5th Edition (2014) Energy Conservation on Renewables in the Energy Rating Index (ERI) Path

Amanda Hickman, InterCode Incorporated submits the following proposal on behalf of the Leading Builders of America (LBA)

Revise as follows:

R406.2 Mandatory requirements. Compliance with this section requires that the provisions identified in Sections R401 through R404 labeled as "mandatory" and Section R403.5.3 of the 2015 *International Energy Conservation Code* be met. For buildings that do not utilize on-site renewable power production for compliance with this section, the building thermal envelope shall be greater than or equal to levels of efficiency and Solar Heat Gain Coefficient in Table 402.1.1 or 402.1.3 of the 2009 *International Energy Conservation Code*. For buildings that utilize on-site renewable power production for compliance with this section, the building thermal envelope shall be greater than or equal to levels of efficiency and Solar Heat Gain Coefficient in Table R402.1.2 or Table R402.1.4 of the 2015 *International Energy Conservation Code*.

Exception: Supply and return ducts not completely inside the building thermal envelope shall be insulated to a minimum of R-6.

Reason:

Although the ERI path is far more stringent than the prescriptive path and despite an already existing envelope backstop in the ERI, the Leading Builders of America offer this proposal which adds another backstop for homes that utilize renewables. It requires homes that use renewables to meet the envelope requirements of the 2015 IECC. Homes without renewables will still be required to meet the 2009 IECC envelope provisions. This approach provides builders with more flexibility and options than a specific renewable cap number would.