

Residential Energy Code Compliance Path

Energy Code Requirements of the 2015 IRC, Ch. 11 or the 2015 IECC, Residential Provisions

Please complete and submit with the building permit application for the following projects: *remodels; conditioned, habitable additions (which may also entail some degree of remodeling); slab elevations; new single-family homes*

Project Address: _____

IRC Sec. N1101.13 (IECC Sec. R401.2) – Projects shall comply with one of the following pathways:

- Option #1a – Prescriptive: Sections N1101.14 (R401) through N1104 (R404)**
 - N1102 (R402) - Building Thermal Envelope [Using Table N1102.1.2 (R402.1.2) - INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT]
 - N1103 (R403) - Systems.
 - N1104 (R404) - Electrical Power and Lighting Systems.
 - *Plus all mandatory provisions.*

- Option #1b – Prescriptive Total UA Alternative: Sections N1101.14 (R401) through N1104 (R404)**
 - N1102 (R402) - Building Thermal Envelope
 - N1103 (R403) - Systems.
 - N1104 (R404) - Electrical Power and Lighting Systems.
 - *Plus all mandatory provisions.*

- Option #2 – Simulated Performance Alternative Approach: Section N1105 (R405)**
 - *Plus all mandatory provisions.*
 - *May require the submittal of a standard referenced design if staff isn't familiar with the software program utilized.*

- Option #3 – Energy Rating Index Compliance Alternative: Section N1106 (R406)**
 - * Minimum envelope requirements \geq the levels of efficiency and SHGC of the 2009 IECC Table 402.1.2 or 402.1.4.*
 - *Plus all mandatory provisions of the 2015 IRC (IECC).*
 - *Plus the prescriptive hot water piping insulation. See the 2015 N1103.5.3 (R403.5.3).*

NOTE: Attach appropriate "compliance report" (unless Option 1a) and see the next page.

I certify that I have reviewed the construction documents including -- but not necessarily limited to -- the following energy code information (2015 IRC Sec. N1101.2 or the 2015 IECC R103.2), as applicable and if not applicable, as to why:

- Insulation materials and their R-values.
 N/A: _____

- Fenestration U-factors and SHGC (solar heat gain coefficients).
 N/A: _____

- Area-weighted U-factor and SHGC calculations.
 N/A: _____

- Mechanical system design criteria (ex: Manual J).
 N/A: _____

- Mechanical and service water-heating system and equipment types, sizes and efficiencies (Manual S).
 N/A: _____

- Equipment and systems controls (Manual T).
 N/A: _____

- Duct sealing, duct and pipe insulation and location (Manual D).
 N/A: _____

- Air sealing details -- which must also include *a depiction* of the thermal envelope.
 N/A: _____

I also certify that the construction documents and any supporting documentation, as designed, satisfy the minimum requirements for the compliance approach selected.

Print Name: _____ **Sign Name:** _____

Date: _____