Insert City Seal

City of _____
Residential Energy Compliance Path
Energy Code Requirements of the 2015 IRC (IECC)
Submit with application for a building permit

North Central Texas Council of Governments

Project Address: _____

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

☐ **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 (Mandatory).
Plus all mandatory provisions

☐ **Option #1b – Prescriptive-Using RES*check*™ UA approach Only: Sections N1101.14 (R401) through N1104 (R404):**
N1102 (R402) Building Thermal Envelope.
N1103 (R403) Systems.
N1104 (R404) Electrical Power and Lighting Systems (Mandatory).
Plus all mandatory provisions

☐ **Option #2 – Section N1105 (R405) Performance Approach**
Plus all mandatory provisions

☐ **Option #3 – ENERGY STAR Certified Homes®**

☐ **Option #4 – Section N1106 (R406) Energy Rating Index Compliance Alternative**
Minimum envelope requirements ≥ Table 402.1.1 or 402.1.3 – 2009 IECC
Plus all mandatory provisions

☐ **Option #5 – ESL 4ACH^{50} Tradeoff Code Equivalency Compliance** [a]

Envelope Component	Option #1	Option #2
R402.4 Air Leakage	≤ 4ACH^{50}	≤ 4ACH^{50}
Wall Insulation Value	R13 + R3[b]	R13 + R3[b]
Fenestration *U*-factor/SHGC	≤ 0.32/0.25	≤ 0.32/0.25
Ceiling *R*-value	≥ R49	≥ R49
Duct Insulation	R8	R6
Radiant Barrier Required	No	Yes

[a] Except for the values listed in the table, all other mandatory code provisions are applicable.
[b] First value is cavity insulation, second is continuous insulation or insulated siding.

NOTE: Attach appropriate compliance option "compliance report"

I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.

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

Prepared July 2016 by the Energy and Green Advisory Board of the Regional Codes Coordinating Committee, a committee of the North Central Texas Council of Governments (NCTCOG). www.nctcog.org/envir/codes.