Willow Park
TEXAS

North Central Texas
Council of Governments

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

Project Address:_____

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

☐ **Option #la - Prescriptive: Sections Nll0l.14 (R401) through N1104 (R404):**
N1102 (R402) Building Thermal Envelope. (*Using table N1102.l.2 (R402.l.2) INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT}*
N1103 (R403) Systems.
N1104 (R404) Electrical Power and Lighting System (Mandatory)
Plus all mandatory provisions

☐ **Option #lb - Prescriptive-Using REScheck™ UA approach Only: Sections N1101.14 (R401) throughN1104 (R404):**
N1102 (R402) Building Thermal Envelope.N1103 (R403) Systems.
Nll04 (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**

Envelope Component	Option#I	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:**_____

If this template form is modified, the NCTCOG logo must be removed as it is no longer a NCTCOG approved template.

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