



TECHNICAL BULLETIN
Community Development & Planning, Building Inspections
TOPIC:
Residential 2009 Energy Code Compliance Tools
May 24, 2012

This Technical Bulletin provides builders and contractors with the accepted tools that may be used for demonstrating energy code compliance with residential projects. The use of some of the options may require that certified or accredited raters be used to develop the compliance materials. All of the methods listed below are acceptable to the City of Arlington. For any other approach, prior approval of the city's Building Official is required.

- 1. Chapter 4 of 2009 IECC (Max 15% Glazing) – Simple Prescriptive (wood framing only)

INSULATION	MIN R Value
Ceiling – Attic	R-30
Ceiling – Roof	R-30
Walls ⁴	R-13
Floors	R-19
DOORS & WINDOWS	MAX U Factor/SHGC
U-factor	0.50
U-factor (skylight only)	0.65
SHGC ²	0.30

- 2. International Code Compliance Calculator (IC3): Attach IC3 compliance certificate. Please see the following see Technical Bulletin:

www.arlingtontx.gov/build/pdf/technicalbulletins/2012/IC3%20Tool%20to%20Demonstrate%20Energy%20Code%20Compliance_May%2024,%202012.pdf

- 3. Energy Star®: Attach compliance certificate from accredited software or Builders Option Package.
- 4. REScheck™ (Max 15% Glazing – The Total UA approach only, the Performance approach is not acceptable): Attach REScheck™ compliance certificate.

Notes:

402.3.3 Glazed fenestration exemption. Up to 15 square feet (1.4 m2) of glazed fenestration per dwelling unit shall be permitted to be exempt from U -factor and SHGC requirements in Section 402.1.1. This exemption shall not apply to the U -factor alternative approach in Section 402.1.3 and the Total UA alternative in Section 402.1.4.

402.3.4 Opaque door exemption. One side-hinged opaque door assembly up to 24 square feet (2.22 m2) in area is exempted from the U -factor requirement in Section 402.1.1. This exemption shall not apply to the U-factor alternative approach in Section 402.1.3 and the total UA alternative in Section 402.1.4.

403.2.1 Insulation (Prescriptive). Supply ducts in attics shall be insulated to a minimum of R-8. All other ducts shall be insulated to a minimum of R-6. The use of a performance approach compliance tool allows the use of R-6 for all duct work.

Certified/accredited “Duct Blaster” test results required for the installation of new HVAC complete systems before a project may be given final approval..