

Texas Building Energy Code Compliance Form For Residential Buildings in Unincorporated Areas

Texas law, Ch. 388, Subtitle C, Title 5, Health and Safety Code, requires a new residential structure to comply with the Texas Building Energy Performance Standards, currently based on the 2009 International Residential Code (IRC) and the 2009 International Energy Conservation Code (IECC). This form can be used to document compliance outside of a municipal jurisdiction. A copy of this form should be given to the homeowner for their records.

New Construction Address or Legal Description: _____

City _____ Zip _____ County: _____

Builder Name: _____

Builder Address: _____

This residence is (select **only one** of the following options):

1. Certified by an accredited energy efficiency program
Complete **Part A. Certification Information** below and attach copy of certification documents; **or**
2. Inspected by a code-certified inspector and determined to meet or exceed the minimum requirements.
Complete **Part B. Inspection Information** below, attach inspection documents; **or**
3. Self-certified by the builder to meet or exceed minimum requirements.
Complete **Part C. Self-Certification Form** on page 2. The Texas Building Guide For Single-family Residential Energy Code Compliance, can be used for guidance on prescriptive requirements (<http://esl.tamu.edu/terp/reports/builders-info>).

Part A. Certification Information:

Attach copy of certificate and rating checklist.

Name of certifying program: _____

Program Sponsor/Agency: _____ Certificate Number _____

Project Rating or Home Energy Rating System Score: _____

Is rating based on performance testing of this project? Yes _____ No _____

Rater name/address: _____

Rater certified by: _____ Certification number: _____

Rater signature: _____ Date: _____

Part B. Inspection Information:

Attach a signed and dated copy of inspection checklist.

Inspector name/address: _____

Inspector certified as Residential Energy Plan Examiner/Inspector by _____

Certification number _____ Inspector signature _____ Date: _____



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Part C. Self - Certification Form

Compliance Features	Maximum Value	Minimum Value	Installed Value	Meets	Exceeds
1. Insulation (see the Texas Building Guide For Single-family tial Energy Code Compliance, http://esl.tamu.edu/terp/reports/builders-info)					
Wall Insulation				<input type="checkbox"/>	<input type="checkbox"/>
Floor Insulation (over unconditioned spaces or crawl spaces)				<input type="checkbox"/>	<input type="checkbox"/>
Attic / Ceiling Insulation				<input type="checkbox"/>	<input type="checkbox"/>
Duct Insulation (supply outside the thermal envelope)		R-8		<input type="checkbox"/>	<input type="checkbox"/>
Duct Insulation (all other supply & return)		R-6		<input type="checkbox"/>	<input type="checkbox"/>
2. Windows and Doors (see the Texas Building Guide For Single-family Residential Energy Code Compliance, http://esl.tamu.edu/terp/reports/builders-info)					
Window and Glazed Doors U-factor	See Table	N/A		<input type="checkbox"/>	<input type="checkbox"/>
Window and Glazed Doors SHGC*	See Table	N/A		<input type="checkbox"/>	<input type="checkbox"/>
Exterior doors (opaque) U-Factor	.35	N/A		<input type="checkbox"/>	<input type="checkbox"/>
3. HVAC Equipment (Equipment efficiency ratings must meet or exceed current NAECA standards)					
Water heater (NAECA std. or 80% thermal efficiency)		80%		<input type="checkbox"/>	<input type="checkbox"/>
Heat pump		6.8 HSPF		<input type="checkbox"/>	<input type="checkbox"/>
Air conditioner		13 SEER		<input type="checkbox"/>	<input type="checkbox"/>
Furnace		78% AFUE		<input type="checkbox"/>	<input type="checkbox"/>
4. Construction Requirements					
Air-tight recessed lights (ASTM E 283)				<input type="checkbox"/>	<input type="checkbox"/>
Sealed penetrations/gaps/holes. Duct connections must be properly sealed with mastic or UL 181 labeled tape at boots and joints (duct tape not allowed), and tested.				<input type="checkbox"/>	<input type="checkbox"/>
Caulking and weather-stripping must be properly installed; all holes, gaps and cracks properly sealed; recessed lights sealed (visually inspected or tested.)				<input type="checkbox"/>	<input type="checkbox"/>
Showerhead flow rate of 2.5 gal. per minute or less.				<input type="checkbox"/>	<input type="checkbox"/>
Insulate hot water pipes and HVAC refrigerant lines.				<input type="checkbox"/>	<input type="checkbox"/>
Programmable thermostat for each HVAC unit or dwelling unit.				<input type="checkbox"/>	<input type="checkbox"/>
Electric meter for each unit in duplex or multi-family units.				<input type="checkbox"/>	<input type="checkbox"/>
HVAC contractor provided calculations showing equipment correctly sized and provided preventive maintenance manuals (ACCA Manuals S, J and D).				<input type="checkbox"/>	<input type="checkbox"/>

* SHGC - Solar Heat Gain Coefficient. For most of Texas (Climate Zones 2 & 3), the area-weighted average of all windows and glazed doors must not exceed 0.25. The remainder of the state (Climate Zone 4) must not exceed 0.40.

Builder Self-Certification:

I, _____, certify that all of the above information is correct and that the construction at the New Construction Address shown meets or exceeds the Texas Building Energy Performance Standards.

Builder name/address: _____

Builder signature: _____ Date: _____

