



BUILDING DIVISION

Residential Energy Code Checklist

Project Address:			
Building Contractor:			
Phone Number:		Email:	
Project Type: (Check One)	<input type="checkbox"/> New Building	<input type="checkbox"/> Addition	<input type="checkbox"/> Remodel

Submit Required Documentation with Permit Application

1. Energy Compliance Documentation – Choose only ONE method.
(All methods must meet mandatory requirements in Section 2)

- Prescriptive** Complete Section 3 on back of this form.
- Trade Off** Include REScheck compliance form.
- Performance** Include RemRate™, Energy Gauge™, or IC3 documentation.
- EnergyStar®** Additional documentation is not required with permit application. Certificate of compliance provided by an independent rater must be provided prior to approving building final inspection.

2. Mandatory Requirement
All projects must meet the mandatory requirements of Chapter 11 of the 2009 IRC.

Mandatory Requirements		Notes
A	Building Thermal Envelope	Seal building envelope from air infiltration
B	Attic Access	Access doors shall be weatherstripped and insulated
C	Fireplaces	Wood-burning fireplaces must have gasketed doors
D	Fenestration Air Leakage ≤ 0.3 cfm/sf	Windows, sliding glass doors, skylights
E	Fenestration Air Leakage ≤ 0.5 cfm/sf	Swinging doors
F	Recessed Lighting	IC-rated and air tight
G	Heating/Cooling System Controls	Programmable thermostats
H	Duct Sealing	All ducts sealed with approved materials
I	Building Cavities	Building cavities shall not be used as supply ducts
J	Mechanical System Piping Insulation	R-3 minimum for > 105° F or < 55° F
K	Circulating Hot Water System	Piping insulated to R-2 minimum and on/off switch
L	Mechanical Ventilation	Outdoor air intakes/exhaust require dampers
M	Lighting Equipment	A minimum of 50% of light bulbs must be compact fluorescent or other high-efficient lamp

PRESCRIPTIVE CHECKLIST

(MUST BE COMPLETED BY APPLICANT)

3. Prescriptive Requirements

Complete this table if prescriptive method is chosen in Section 1.

Building Components	Prescriptive Standard	Actual Value (to be completed by applicant)	Notes
Insulation – Prescriptive Standard is Minimum R-Value			
Ceilings	R-30		R-30 is the minimum. There is no reduction allowance for vaulted ceiling or mechanical platforms.
Wood Frame Wall	R-13		
Floors Over Unconditioned Space	R-19		
Basement Walls	0		Basement wall insulation is not required in warm-humid locations such as Parker County.
Crawl Space Walls	R-5 or R-13		R-5 continuous insulation on the interior or exterior, or R-13 for interior wall cavity.
Duct Insulation	R-6 other than attic		Ducts located completely inside building thermal envelope are exempt.
Fenestrations – Prescriptive Standard is Maximum U-Factor			
Windows, Sliding Glass Doors, and Swinging Doors With > 50% glazing	U-0.50		An area weighted average may be used to satisfy the U-factor requirements but must include all windows, skylights, glass doors, and opaque doors. Provide documentation if this is used. Fifteen square feet of window space and one door (maximum twenty-four square feet) may be exempted if labeled on floor plan.
Skylights	U-0.65		

Notes:

- i. For further clarification on any of the above items, please consult Chapter 11 of the 2009 International Residential Code (IRC). The IRC may be purchased through the International Code Council at www.iccsafe.org or 1-888-ICC-SAFE.
- ii. For a Thermally Isolated Sunroom addition (greater than 40% glazing are of walls and roof), refer to Section N1102.2.11 of the IRC.
- iii. For up-to-date energy references, energy training, and free downloadable REScheck software, visit www.energycodes.gov.
- iv. The International Code Compliant Calculator (IC3) can be accessed at <http://ic3.tamu.edu>.