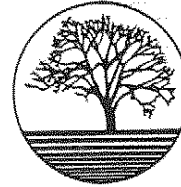


# Residential Energy Code Compliance Form

Submittal Date: \_\_\_\_\_  
 Building Address: \_\_\_\_\_  
 Builder Name: \_\_\_\_\_  
 Builder Phone: \_\_\_\_\_  
 Builder Fax: \_\_\_\_\_



**MESQUITE**  
**T·E·X·A·S**

Choose one method of compliance:

- |  |  |
|--|--|
| <input type="checkbox"/> <b>Simplified Prescriptive Approach</b><br>(fill out remainder of form)                 | <input type="checkbox"/> <b>Systems Analysis Approach</b><br>(attach documentation such as HERS report)                              |
| <input type="checkbox"/> <b>Component Performance Approach</b><br>(attach documentation such as MECcheck report) | <input type="checkbox"/> <b>Participation in an approved Energy Performance Testing Program</b><br>(attach documentation, see below) |

Continue if "Simplified Prescriptive Approach" was chosen:

Choose one:

**NCTCOG Simplified Prescriptive**

	Inspection
Insulation	
Ceiling-Attic	R-38 _____
Ceiling-Roof	R-22 <sup>1</sup> _____
Walls	R-13 _____
Floors	R-19 _____
Basement Walls	_____
Crawl Space	_____
Glazing Options	
<i>choose one</i>	<input checked="" type="checkbox"/> <sup>v</sup>
Glazing <sup>3</sup>	Max 15% _____
U-factor	Max 0.65 _____
Solar heat gain	Max 0.40 _____
HVAC	
Split system	10.0 SEER _____
Single package	9.7 SEER _____
Glazing <sup>3</sup>	<input type="checkbox"/> Max 20% _____
U-factor	Max 0.65 _____
Solar heat gain	Max 0.40 _____
HVAC	
Split system	12.0 SEER _____
Single package	12.0 SEER _____
Glazing <sup>3</sup>	<input type="checkbox"/> Max 25% _____
U-factor	Max 0.65 _____
Solar heat gain	Max 0.40 _____
HVAC	
Split system	14.0 SEER _____
Single package	14.0 SEER _____

**Base Code Simplified Prescriptive**

	Inspection
Insulation	
Ceiling-Attic	R-30 _____
Ceiling-Roof	R-30 _____
Walls	R-13 _____
Floors	R-11 _____
Basement Walls	R-5 _____
Crawl Space	R-6 _____
Glazing Options	
Glazing <sup>3</sup>	Max 15% _____
U-factor	Max 0.65 _____
Solar heat gain	Max 0.40 _____
HVAC	
Split system	10.0 SEER _____
Single package	9.7 SEER _____

If participating in an Energy Performance Testing Program, list name of program here: \_\_\_\_\_

**Footnotes:**  
<sup>1</sup> Must maintain the 1" ventilation area without compressing the insulation. May require a larger framing member. <sup>2</sup> Exterior insulation is not permitted. <sup>3</sup> Area of all rough openings for glass windows and doors, measured using the inside dimensions of the rough framing dimension before any curbing, sash, trim or framing are installed, except that for doors with less than 50% glazing, it shall be the dimension of the rough opening cut in the door instead of the dimension of the entire door opening.

The proposed building represented in these documents is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the requirements of the Energy Code in the State of Texas.

Builder/Designer: \_\_\_\_\_ Date: \_\_\_\_\_

## Mesquite Building Inspection Energy Inspection Schedule

### At Rough Mechanical

#### Duct insulation

- inside the building but outside the conditioned area - R-5
- outside the building . - R-8
- ducts inside the building but outside the conditioned area require a vapor retarder of 0.05 perm, or aluminum foil of 2 mils
- joints and seams of approved mastics, tapes or other approved material (mastic is encouraged; “duct” tape is not permitted)

#### Piping insulation

- AC line (fluid temp range 40-55 °F) . - 0.75”

### Inspection

### At Framing

- Confirm window and door rough openings match approved plans
- Penetrations (plumbing, electrical, HVAC, etc.) in top and bottom plates are sealed with foam or other approved sealant to prevent transfer of air with attic or under floor space

### Insulation Inspection

(This is an extra inspection that must be called after the framing inspection and after insulation is installed, but before any gyp board is installed.)

- Check all insulation that will be concealed, e.g. wall, floor, vaulted ceiling, etc. for compliance with the R values required
- (Attic insulation that is accessible will be inspected at final)
- Check glazing NFRC stickers for UF and SHGC ratings
- Check HVAC equipment size and ratings
- Attic insulation for correct R value

### Final

- Spot check electrical outlets, vents, plumbing and other envelop penetrations for sealing with caulk or bedding material
- Weather stripping of doors, windows or other penetrations

