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:

☐ **Simplified Prescriptive Approach** (fill out remainder of form)

☐ **Component Performance Approach** (attach documentation such as MECcheck report)

☐ **Systems Analysis Approach** (attach documentation such as HERS report)

☐ **Participation in an approved EnergyPerformance Testing Program** (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[1] _____
Walls	R-13 _____
Floors	R-19 _____
Basement Walls	_____
Crawl Space	_____

Glazing Options *choose one*	√		Inspection
Glazing[3]	☐	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[3]	☐	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[3]	☐	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
R-30	_____
R-30	_____
R-13	_____
R-11	_____
R-5	_____
R-6	_____
Max 15%	_____
Max 0.65	_____
Max 0.40	_____
10.0 SEER	_____
9.7 SEER	_____

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

_____

Footnotes:

[1] Must maintain the 1" ventilation area without compressing the insulation. May require a larger framing member. [2] Exterior insulation is not permitted. [3] 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

	Inspection
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"	_____
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 .	_____