

## Georgia Residential Energy Code Compliance Certificate\*

Builder/Design Professional: \_\_\_\_\_ Phone: \_\_\_\_\_

### Envelope Summary:

- List the R-Value for the following components:

Flat ceiling/roof: _____	Sloped/vault ceiling: _____
Exterior wall: _____	Above grade mass wall: _____
Attic kneewall: _____	Attic kneewall sheathing: _____
Basement stud wall: _____	Basement continuous: _____
Crawlspace stud wall: _____	Crawlspace continuous: _____
Foundation slab: _____	Floors over unconditioned space: _____
Cantilevered Floor: _____	Other insulation: _____

- Fenestration Components:

Window U-factor: _____	Window SHGC: _____
Skylight U-factor: _____	Skylight SHGC: _____
Glazed Door U-factor: _____	Opaque Door U-factor: _____
	(<50% glazed)

- Building Envelope Tightness (BET):

BET test conducted by: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Fan Flow at 50 Pascals = \_\_\_\_\_ CFM<sub>50</sub> Total Conditioned Volume = \_\_\_\_\_ ft<sup>3</sup>  
 ACH<sub>50</sub> = CFM<sub>50</sub> x 60 / Volume = \_\_\_\_\_ ACH<sub>50</sub> (must be less than 7 ACH<sub>50</sub>)

### Low Rise Multifamily Visual Inspection Option

(The visual inspection option may be conducted by a third-party instead of the BET test for R-2 buildings only.)

Visual inspection conducted by: \_\_\_\_\_ Phone: \_\_\_\_\_

### Mechanical Summary:

Water Heater Energy Factor: \_\_\_\_\_ Ef Fuel type:  Gas  Electric  Other

Number of Heating and Cooling Systems: \_\_\_\_\_

Heating System Type (choose one):

Gas: \_\_\_\_\_ AFUE  Air-Source Heat Pump: \_\_\_\_\_ HSPF  
 Other: \_\_\_\_\_ Efficiency: \_\_\_\_\_

Cooling System Type (Standard DX, Heat Pump, Geothermal, etc.): \_\_\_\_\_

Cooling System Efficiency: \_\_\_\_\_  SEER  EER  Other

Heating/Cooling Load Calculations Performed by: \_\_\_\_\_ Phone: \_\_\_\_\_

Total Heating Load (Based on ACCA Man. J or other approved methodology): \_\_\_\_\_ Btu/h

Total Cooling Load (Based on ACCA Man. J or other approved methodology): \_\_\_\_\_ Btu/h

Cooling Sensible Load: \_\_\_\_\_ Btu/h Cooling Latent Load : \_\_\_\_\_ Btu/h

Total Air Handler CFM (based on design calculations): \_\_\_\_\_ CFM

Duct Tightness Test Conducted by: \_\_\_\_\_ Phone: \_\_\_\_\_

CFM<sub>25</sub> per 100 ft<sup>2</sup> of conditioned floor area = CFM<sub>25</sub> x 100 / Conditioned floor area served

If all ducts are not located within conditioned space, builder must verify that either the postconstruction duct leakage to outdoors (PCO) is ≤ 8 cfm/100 ft<sup>2</sup>, the post construction total duct leakage (PCT) is ≤ 12 cfm/100 ft<sup>2</sup>, or the rough-in test (RIT) with air handler installed is ≤ 6 cfm/100 ft<sup>2</sup>. State which method was used to conduct the duct tightness test: duct blower (DB), modified blower door subtraction method (MBDS), or automated multipoint blower door (AMBD).

System	Method (DB, MBDS, AMBD)	Test (PCO, PCT, RIT)	CFM <sub>25</sub>	Area served (ft <sup>2</sup> )	Test Result
1					
2					
3					

\*Note: This permanent certificate shall be posted on or in the electrical distribution panel. Certificate shall be completed by the builder or registered design professional. Where there is more than one value for each component, certificate shall list the value covering the largest area.

## Georgia Residential Energy Code Compliance Certificate\*

Builder/Design Professional: ABC Builder Phone: 404-123-4567

### Envelope Summary:

- List the R-Value for the following components:

Flat ceiling/roof: <u>R-30</u>	Sloped/vault ceiling: <u>n/a</u>
Exterior wall: <u>R-13</u>	Above grade mass wall: <u>n/a</u>
Attic kneewall: <u>n/a</u>	Attic kneewall sheathing: <u>R18</u>
Basement stud wall: <u>n/a</u>	Basement continuous: <u>n/a</u>
Crawlspace stud wall: <u>n/a</u>	Crawlspace continuous: <u>n/a</u>
Foundation slab: <u>R-0</u>	Floors over unconditioned space: <u>R19</u>
Cantilevered Floor: <u>n/a</u>	Other insulation: <u>n/a</u>

- Fenestration Components:

Window U-factor: <u>0.32</u>	Window SHGC: <u>0.29</u>
Skylight U-factor: <u>n/a</u>	Skylight SHGC: <u>n/a</u>
Glazed Door U-factor: <u>n/a</u>	Opaque Door U-factor: <u>0.35</u> ( <50% glazed)

- Building Envelope Tightness (BET):

BET test conducted by: Home Performance Smith Phone: 404-123-6547  
 Fan Flow at 50 Pascals = 2,000 CFM<sub>50</sub> Total Conditioned Volume = 20,000 ft<sup>3</sup>  
 ACH<sub>50</sub> = CFM<sub>50</sub> x 60 / Volume = 6 ACH<sub>50</sub> (must be less than 7 ACH<sub>50</sub>)

### Low Rise Multifamily Visual Inspection Option

(The visual inspection option may be conducted by a third-party instead of the BET test for R-2 buildings only.)

Visual inspection conducted by: n/a Phone: n/a

### Mechanical Summary:

Water Heater Energy Factor: 0.61 Ef Fuel type:  Gas  Electric  Other

Number of Heating and Cooling Systems: 1

Heating System Type (choose one):

Gas: 90% AFUE  Air-Source Heat Pump: \_\_\_\_\_ HSPF  
 Other: \_\_\_\_\_ Efficiency: \_\_\_\_\_

Cooling System Type (Standard DX, Heat Pump, Geothermal, etc.): Standard DX

Cooling System Efficiency: 13  SEER  EER  Other

Heating/Cooling Load Calculations Performed by: HVAC Smith Phone: 770-123-4567

Total Heating Load (Based on ACCA Man. J or other approved methodology): 39,800 Btu/h

Total Cooling Load (Based on ACCA Man. J or other approved methodology): 28,800 Btu/h

Cooling Sensible Load: 20,800 Btu/h Cooling Latent Load : 8,000 Btu/h

Total Air Handler CFM (based on design calculations): 1600 CFM

Duct Tightness Test Conducted by: HVAC Smith Phone: 404-123-4567

CFM<sub>25</sub> per 100 ft<sup>2</sup> of conditioned floor area = CFM<sub>25</sub> x 100 / Conditioned floor area served

If all ducts are not located within conditioned space, builder must verify that either the postconstruction duct leakage to outdoors (PCO) is ≤ 8 cfm/100 ft<sup>2</sup>, the post construction total duct leakage (PCT) is ≤ 12 cfm/100 ft<sup>2</sup>, or the rough-in test (RIT) with air handler installed is ≤ 6 cfm/100 ft<sup>2</sup>. State which method was used to conduct the duct tightness test: duct blower (DB), modified blower door subtraction method (MBDS), or automated multipoint blower door (AMBD).

System	Method (DB, MBDS, AMBD)	Test (PCO, PCT, RIT)	CFM <sub>25</sub>	Area served (ft <sup>2</sup> )	Test Result
1	<u>DB</u>	<u>PCT</u>	<u>100</u>	<u>2,000</u>	<u>5</u>
2					
3					

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