

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 CFM₅₀ Total Conditioned Volume = 20,000 ft³

ACH₅₀ = CFM₅₀ x 60 / Volume = 6 ACH₅₀ (must be less than 7 ACH₅₀)

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

CFM₂₅ per 100 ft² of conditioned floor area = CFM₂₅ 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 ft², the post construction total duct leakage (PCT) is ≤ 12 cfm/100 ft², or the rough-in test (RIT) with air handler installed is ≤ 6 cfm/100 ft². 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 ₂₅	Area served (ft ²)	Test Result
1	<u>DB</u>	<u>PCT</u>	<u>100</u>	<u>2,000</u>	<u>5</u>
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.