



### Residential Plan Review: New Homes

Project Address: \_\_\_\_\_  
Builder Name: \_\_\_\_\_  
Builder Phone: \_\_\_\_\_

Community Development  
4800 Ashford Dunwoody Road | Dunwoody, GA 30338  
Phone: (678) 382-6800 | Fax: (770) 396-4828

#### Square Footage per Floor

Basement: \_\_\_\_\_ 1<sup>st</sup> Floor: \_\_\_\_\_ 2<sup>nd</sup> Floor: \_\_\_\_\_ 3<sup>rd</sup> Floor: \_\_\_\_\_

Sprinklered:  Yes  No

Minimum frost depth of footings = 12 inches (2 runs #4 re-bar required minimum)

Footing dimensions: \_\_\_\_\_ x \_\_\_\_\_, \_\_\_\_\_ x \_\_\_\_\_ steel = \_\_\_\_\_

Basement Slab: \_\_\_\_\_

Foundation Walls: \_\_\_\_\_

Retaining Walls: \_\_\_\_\_ Height, \_\_\_\_\_ Footing Dimensions

Basement Walls: \_\_\_\_\_ Size (2x4, 2x6), \_\_\_\_\_ Spacing (12" oc, 16" oc, etc.)

Wall Bracing: \_\_\_\_\_

(Sheathing, let-in brace, etc.)

Load bearing framed walls: Size studs: \_\_\_\_\_ Spacing: \_\_\_\_\_ Headers: \_\_\_\_\_

Garage door header: Size: \_\_\_\_\_ Span: \_\_\_\_\_ Type: \_\_\_\_\_

**Framing:** live load, size, type, spam, etc.

1<sup>st</sup> Floor Framing: \_\_\_\_\_

2<sup>nd</sup> Floor Framing: \_\_\_\_\_

Other: \_\_\_\_\_

#### Roof

Rafter-size, type, span, pitch: \_\_\_\_\_

Method used to establish continuous tie or load path: \_\_\_\_\_

Attic ventilation: type and total vent area: \_\_\_\_\_

Exterior Covering: brick, stucco, wood, and vinyl, EIFS: \_\_\_\_\_

Chimney type: none, pre-fab, masonry, total: \_\_\_\_\_

Electrical service: \_\_\_\_\_ volts, \_\_\_\_\_ amps, \_\_\_\_\_ # panels, \_\_\_\_\_ location

#### If more than one please note

HVAC # of furnace \_\_\_\_\_ Capacity: \_\_\_\_\_  Gas  Electric

# of A/C units \_\_\_\_\_ Capacity: \_\_\_\_\_  Gas  Electric

# of water heaters \_\_\_\_\_ Capacity: \_\_\_\_\_  Gas  Electric

Decks Sq. Ft. \_\_\_\_\_ height from finished grade: \_\_\_\_\_

Framing members: Size: \_\_\_\_\_ Live load: \_\_\_\_\_

Through bolts, 1/2 bolts and washers, flashing 4x4 wood posts higher than 9 feet will

Not be approved.



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## Checklist for Wood Framing in Low-Rise Residential

To be submitted to building department with building plans for review. A copy must be available at the job site for Code Compliance review.

**Check one:**  New Building  Renovation

<b>Entry or Checkmark (if applicable)</b>	
<b>Ceilings</b>	
Access to attic area (minimum R-3)	List R-Value:
Flat ceiling insulation	List R-Value:
Sloped ceiling insulation (UA trade-off calculations required, min. R-19)	List R-Value:
<b>Walls</b>	
Cavity insulation (batt or blown-in)	List R-Value:
Insulated Sheathing (Leave blank for OSB, plywood, etc.)	List R-Value:
Attic Kneewall Insulation (Air barrier on attic side; minimum R-18)	List R-Value:
<b>Fenestration</b>	
Window U-Factor (from label)	List U-Factor:
Window SHGC (from label, max 0.40)	List SHGC:
Skylight U-Factor (from label)	List U-Factor:
Skylight SHGC (from label, max 0.40)	List SHGC:
Door U-Factor	List U-Factor:
<b>Foundations</b>	
Floor insulation	List R-Value:
Basement wall insulation	List R-Value:
Mass wall insulation (min. R-5)	List R-Value:
Vented crawl space: foundation vents installed per code	Check:
Closed crawl space: min. 6-mil (0.15 mm) poly is taped and extends up walls 6 in. (153 mm)	Check:
<b>Air Leakage</b>	
Windows: caulked, sealed with 0.34-0.37 air infiltration rate	Check:
Doors: sealed, weather-stripped (including those to unconditioned areas: attic, unheated basement, etc.)	Check:
Sole Plate: caulked or sealed	Check:
"Can" lights: properly sealed	Check:
Tubs/showers on exterior walls: properly sealed	Check:
Other penetrations/openings: caulked, sealed or gasketed as necessary	Check:
<b>Heating/Cooling Efficiency</b>	
Gas or propane furnace (min. 78% AFUE)	List AFUE:
Heat pump (min. 7.7 HSPF)	List HSPF:
Air conditioner (min. 13 SEER)	List SEER:
Other system(s) (e.g. fuel oil)	List type: List efficiency:
Duct insulation (min. R-6/R-8)	List R-Value:
Ducts: sealed with mastic or code-approved tape	List Sealant Method:
<b>Mechanical Ventilation</b>	
Outdoor air intakes and exhausts installed with automatic or gravity dampers	Check:



## Residential Energy Code Compliance Certificate\*

Builder: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

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### 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> × 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 100ft<sup>2</sup> of conditioned floor area = CFM<sub>25</sub> × 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 ≤ 12 cfm/100ft<sup>2</sup>, or the rough-in test (RIT) with air handler is 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 (AMBDD).

System	Method (DB, etc)	Test (PCO, etc.)	CFM <sub>25</sub>	Area Served (ft <sup>2</sup> )	Test Result
1					
2					
3					

\*This certificate, to be completed by builder or designer, shall be posted on or in the electrical distribution panel. Where there is more than one value for each component, certificate shall list the value covering the largest area.