

**City of North Richland Hills
 Residential Energy Code Compliance Certificate**

Builder/Design Professional: _____ Phone: _____

Project Location: _____

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 (Only req'd if building doesn't qualify for NRH field verification):

BET test conducted by: _____ Phone: _____
 Fan Flow at 50 Pascals= _____ CFM₅₀ Total Conditioned Volume= _____ ft³
 ACH₅₀ = CFM₅₀ x 60 / Volume= _____ ACH₅₀ (must be less than 7 ACH₅₀)

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: _____

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 post construction 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 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 (**AMB**D).

System	Method (DB, MBDS)	Test (PCO, PCT, RIT)	CFM ₂₅	Area served (ft ²)	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.