City of Chattanooga Residential Energy Code Compliance Certificate					
HOUSE ADDRESS:					
BUILDER/DESIGN PROFESSIONAL NAME:					
COMPANY:PHONE:					
EMAIL:					
ENVELOPE SUMMARY (To be completed by Builder or Design Professional.)					
FLAT CEILING/ATTICR-VALUE WINDOWS: SLOPED/VAULTED CEILINGR-VALUESHGCU-FACTOR ATTIC KNEEWALLR-VALUE					
EXTERIOR WALLR-VALUE SKYLIGHT: ABOVE GRADE MASS WALLR-VALUESHGCU-FACTOR BASEMENT STUD WALL R-VALUE					
BASEMENT (CONTINUOUS)R-VALUE OPAQUE DOOR (<50% Glazed): CRAWLSPACE STUD WALLR-VALUESHGCU-FACTOR CRAWLSPACE (CONTINUOUS)R-VALUE					
FLOORR-VALUE OTHER INSULATION COMMENTS: CANTILEVERED FLOORR-VALUE FOUNDATION SLABR-VALUE					
MECHANICAL SUMMARY (To be completed by HVAC Contractor.)					
NUMBER OF HEATING AND COOLING SYSTEMS:					
HEATING SYSTEM 1 TYPE (choose one) GAS:AFUE AIR-SOURCE HEAT PUMP:HSPF OTHER					
COOLING SYSTEM 1 TYPE (Standard DX, Heat Pump, Geothermal, Etc.)					
COOLING SYSTEM 1 EFFICIENCY: SEER SEER OTHER					
HEATING SYSTEM 2 TYPE (choose one) GAS:AFUE AIR-SOURCE HEAT PUMP:HSPF OTHER					
COOLING SYSTEM 2 TYPE (Standard DX, Heat Pump, Geothermal, Etc.)					
COOLING SYSTEM 2 EFFICIENCY: SEER EER OTHER WATER HEATER ENERGY FACTOR:EF FUEL TYPE: GAS ELEC OTHER					
FIELD TESTING (To be completed by a qualified Third-Party Verifier) BUILDING ENVELOPE TIGHTNESS:					
FAN FLOW AT 50 PASCALS: CFM ₅₀ TOTAL CONDITIONED VOLUME: ft ³					
$ACH_{50} = CFM_{50} \times 60 / Volume = ACH_{50} $ (must be less than 7 ACH ₅₀)					
DUCT TIGHTNESS TESTING:					
SYSTEM METHOD* (PCO, PCT, RIT) CFM ₂₅ AREA SERVED (ft ²) TEST RESULTS** COMMENTS					
2					
* PCO (Post Construction Leakage to Outdoors) 8% max; PCT (Post Construction Total Leakage) 12% max; RIT (Rough-in w/Air Handler installed) 6% max ** CFM ₂₅ per 100 ft ² of Conditioned Floor Area = CFM ₂₅ x 100 / Conditioned Floor Area Served BUILDING ENVELOPE TIGHTNESS / DUCT TIGHTNESS TEST CONDUCTED BY:					
NAME:SIGNATURE:					
COMPANY:QUALIFICATION: BPI DET					

City of Chattanooga Residential Energy Code Air Barrier and Insulation Checklist

COMPONENT	CRITERIA	Must Correct	Verified	N/A	
Air barrier and thermal barrier	Exterior thermal envelope insulation for framed walls is installed in substantial contact and continuous alignment with building envelope air barrier.				
	Breaks or joints in the air barrier are filled or repaired.				
	Air-permeable insulation is not used as sealing material.				
	Air-permeable insulation is inside of an air barrier.				
Ceiling/attic	Air barrier in any dropped ceiling/soffit is substantially aligned with insulation and any gaps are sealed.				
	Attic access (except unvented attic), knee wall door, or drop down stair is sealed.				
Walls	Corners and headers are insulated.				
	Junction of foundation and sill plate is sealed.				
Windows and doors	Space between window/door jambs and framing is sealed.				
Rim joists	Rim joists are insulated and include an air barrier.				
Floors (including above-garage and cantilevered floors)	Insulation is installed to maintain permanent contact with underside of subfloor decking.				
	Air barrier is installed at any exposed edge of insulation.				
Crawl space walls	Insulation is permanently attached to walls.				
	Exposed earth in unvented crawl spaces is covered with Class I vapor retarder with overlapping joints taped.				
Shafts, penetrations	Duct shafts, utility penetrations, knee walls and flue shafts opening to exterior or unconditioned space are sealed.				
Narrow cavities	Batts in narrow cavities are cut to fit, or narrow cavities are filled by sprayed/blown insulation.				
Garage separation	Air sealing is provided between the garage and conditioned spaces.				
Recessed lighting	Recessed light fixtures are air tight, IC rated, and sealed to drywall. Exception—fixtures in conditioned space.				
Plumbing and wiring	Insulation is placed between outside and pipes.				
	Batt insulation is cut to fit around wiring and plumbing, or sprayed/blown insulation extends behind piping and wiring.				
Shower/tub on exterior wall	Showers and tubs on exterior walls have insulation and an air barrier separating them from the exterior wall.				
Electrical/phone box on exterior wall	Air barrier extends behind boxes or air sealed-type boxes are installed.				
Common wall	Air barrier is installed in common wall between dwelling units.				
HVAC register boots	HVAC register boots that penetrate building envelope are sealed to subfloor or drywall.				
Fireplace	Fireplace walls include an air barrier.				
AIR BARRIER AND INSULATION INSPECTION CONDUCTED BY:					
NAME: DATE:					
SIGNATURE:PHONE:					