2012 IECC Residential Energy Code - Duct & Envelope Testing Results*

Address:						
Builder/Designer:	Phone:					
Envelope Summary: Building Enve	elope Tightness (BET)					
BET test conducted by:	Phone:					
an Flow at 50 Pascals=CFM ₅₀ Total Conditioned Volume =ft ³						
$ACH_{50} = CFM_{50} \times 60 / Volume = $	ACH_{50} (must ≤ 3 ACH ₅₀)					
Visual Inspection Checklist (to be conducted						
	BARRIER AND INSULATION INSTALLATION					
COMPONENT	CRITERIA ^a					
Air barrier and thermal barrier	A continuous air barrier shall be installed in the building envelope. Exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed. Air-permeable insulation shall not be used as a sealing material.					
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier sealed. Access openings, drop down stair or knee wall doors to unconditioned attic spaces shal be sealed.					
Walls	Corners and headers shall be insulated and the junction of the foundation and sill plate shall be sealed. The junction of the top plate and top of exterior walls shall be sealed. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier. Knee walls shall be sealed.					
Windows, skylights and doors	Windows, skylights and doors The space between window/door jambs and framing and skylights and framing shealed.					
Rim joists	Rim joists shall be insulated and include the air barrier.					
Floors (including above-garage and cantilevered floors)	Insulation shall be installed to maintain permanent contact with underside of subfloor decking. The air barrier shall be installed at any exposed edge of insulation.					
Crawl space walls	Where provided in lieu of floor insulation, insulation shall be permanently attached to the crawlspace walls. Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.					
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.					
Narrow cavities	Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity space.					
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.					
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be air tight, larted, and sealed to the drywall.					
Plumbing and wiring	Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.					
Shower/tub on exterior wall	Exterior walls adjacent to showers and tubs shall be insulated and the air barrier installed separating them from the showers and tubs.					
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air sealed boxes shall be installed.					
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the sub floor or drywall.					
Fireplace	An air barrier shall be installed on fireplace walls. Fireplaces shall have gasketed doors.					
Mechanical Summary: Duct Tightr	tness Verification (DTV)					
TV Test Conducted by: Phone:						
Unless all ducts are located within condition Post-construction total duct leakage (PCT) is Rough-in total duct leakage (RIT) with air ha Rough-in total duct leakage without air handl Duct Leakage Result = CFM ₂₅ x 100 / C	is $\leq 4\%$ handler installed is $\leq 4\%$ dler installed (RITnah) is $\leq 3\%$					
System Test (PCT, RIT, RITnah)	CFM ₂₅ Area served (ft²) Result (%) Comments					
1						

System	Test (PCT, RIT, RITnah)	CFM ₂₅	Area served (ft²)	Result (%)	Comments
1					
2					
3					

^{*}Note: This document to be posted on or in the electrical distribution panel