Tenne	see Residential En	ergy Code - Duct and E	nvelope Te	esting Results <sup>a</sup>	:
Addres	s:				
	/Dagianaw		Phone:		
Envelo	pe Summary:	Building Envelope Tightnes	s (BET)		
	<del></del>		,	Phone:	
		CFM <sub>50</sub> Total C		·	
		siriso retails			
Visual 1	Inspection Option (ma	y be conducted by an approved thir	d-narty instead (	of the RFT test)	
		by:		hone:	
	inspection conducted	AIR BARRIER AND INSULA			
Y-N-n/a	COMPONENT		CRITERIA	ı	
Air barrier and thermal barrier  Exterior thermal envelope insulation for framed walls is installed in substantial contact and alignment with building envelope air barrier.  Breaks or joints in the air barrier are filled or repaired.  Air-permeable insulation is not used as a sealing material.				ntact and continuous	
	Ceiling/attic  Air barrier in any dropped ceiling/soffit is substantially aligned with insulation and any ga Attic access (except unvented attic), knee wall door, or drop down stair is sealed.				1 any gaps are sealed
	Walls  Corners and headers are insulated.  Junction of foundation and sill plate is sealed.				
	Windows and doors	Space between window/door jambs as	nd framing is seale	d.	
	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 floor.			cking.	
	Crawlspace walls  Insulation is permanently attached to walls.  Exposed earth in unvented crawlspaces is covered with Class I vapor retarder with overlapped.			overlapping joints	
	Shafts, penetrations	penetrations Duct shafts, utility penetrations, knee walls and flue shafts opening to exterior or unconditioned space are sealed.			inconditioned space
	Narrow cavities Batts in narrow cavities are cut to fit, or narrow cavities are filled by sprayed/blown insulation.			n insulation.	
	Garage separation				
	Recessed lighting	hting Recessed light fixtures are airtight, 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 plus 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 exwall.  Electrical/phone box on exterior wall Air barrier extends behind boxes or air sealed type boxes are installed.			wiring and plumbing,	
				em from the exterior	
	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.			wall.		
	Fireplace	Fireplace walls include an air barrier.			
<u>Mecha</u>	nical Summary:	Duct Tightness Verification	on (DTV)		
DTV Te	est Conducted by:		Pł	none:	
Unless a	all ducts are located wire Post-construction duct leakar Post-construction total duct Rough-in total duct leakage Rough-in total duct leakage	(RIT) with air handler installed is ≤ with no air handler installed (RITna	verify <u>one</u> of : 6% <b>ah</b> ) is ≤ 4%	the following:	flow hood ( <b>FH</b> ).
	T = 1 (== == = = = = = = = = = = = = = =	M <sub>25</sub> x 100 / Conditioned floo	1		Decult (0/)
Syste	m Tool (DB, BDS, FH)	Test (PCO, PCT, RIT, RITnah)	CFM <sub>25</sub>	Area served (ft²)	Result (%)

<sup>2
3
\*</sup>Note: This document to be posted on or in the electrical distribution panel.

## Tennessee Residential Energy Code - Duct and Envelope Testing Results\*

Address: 1234	1234 Sample House Lane					
Builder/Designer:	Bill D.	Home	Phone:	222-3	333-4444	
Envelope Summary:			ntness (BET)			
BET test conducted	by: Joe Teste	er	Ph	one:	222-555-666	6
Fan Flow at 50 Pasca	als = 1,844	_CFM <sub>50</sub> T	Total Conditioned Vo	olume =	22,600	ft
$ACH_{50} = CFM_{50} \times 60$	/ Volume=	4.9	ACH <sub>50</sub> (must be less	s than 7 AC	CH <sub>50</sub> )	
Visual Inspection Opt Visual Inspection Con		by an approv		he BET test	t)	

## AIR BARRIER AND INSULATION INSPECTION

Y-N-n/a	COMPONENT	CRITERIA	
Air barrier and thermal barrier  Exterior thermal envelope insulation for framed walls is installed in sub alignment with building envelope air barrier.  Breaks or joints in the air barrier are filled or repaired.  Air-permeable insulation is not used as a sealing material.		Breaks or joints in the air barrier are filled or repaired.	
	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 floor.	
	Crawlspace walls	Insulation is permanently attached to walls.  Exposed earth in unvented crawlspaces 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 airtight, 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.		

<u>Mechanical Summary:</u> Duct Tightness Verification (DTV)

DTV Test Conducted by: Jane Tester Phone: 777-888-9999

Tool used to conduct the duct tightness test: duct blower (**DB**), blower door subtraction method (**BDS**), or flow hood (**FH**). Unless all ducts are located within conditioned space, must verify <u>one</u> of the following:

- Post-construction duct leakage to outdoors (**PCO**) is  $\leq 8\%$ ,
- Post-construction total duct leakage (PCT) is ≤ 12%
- Rough-in total duct leakage (**RIT**) with air handler installed is ≤ 6%
- Rough-in total duct leakage with no air handler installed (**RITnah**) is ≤ 4%

% Duct Leakage Result = CFM<sub>25</sub> x 100 / Conditioned floor area served

System	Tool (DB, BDS, FH)	Test (PCO, PCT, RIT, RITnah)	CFM <sub>25</sub>	Area served (ft²)	Result (%)
1 Main	DB	PCO	165	2,300	7.2%
2					
3					

<sup>\*</sup>Note: This document to be posted on or in the electrical distribution panel.