INSPECTIONS

Attention

The 2018 IECC Residential Energy Code Duct Tightness Test will be **Mandatory** for all new residential construction and any improvements to those where an air conditioning system will be installed or more than 50% upgraded.

The Duct Tightness Test form will be required to be submitted to the Permit Office prior to the final building inspection and a Certificate of Occupancy will not be granted until the office has received the form showing results by a Certified Tester.

Also, the 2018 IECC Residential Energy Code Building Envelope Test or and inspection of envelope elements will be required for all new residential construction and any improvements to those where an air conditioning systems will be installed or more than 50% upgrade.

The Building Envelope Test Form showing results by a Certified tester or a complete inspection of the building envelope elements as shown on the form will be required to be submitted to the Permit office prior to the final building inspection and a Certificate of Occupancy will not be releases until the office has received the results or the inspection has not been performed and successfully passed.

*Inspections are a necessary part of enforcing a building code. They ensure that structures are built to required minimum standards and that all of its elements are safe.

2018 IECC Residential Energy Code Building Envelope Test Form

Project Address: _____

Builder/Designer: _____ Phone: _____

ENVELOPE SUMMARY: Building Envelope Tightness (BET)

BET test conducted by: _____ Certification #: _____

Certifier's Phone#: _____

Fan Flow at 50 Pascals = _____ CFM_{50} Total Conditioned Volume = _____ ft^3

$ACH_{50} = CFM_{50} \times 60 / Volume =$ _____ ACH_{50} (must $\leq 3\ ACH_{50}$)

Envelope Test Results shall be submitted to Permit Office prior to final Building Inspection by Fax at (337)775-5535 or e-mail to rmorales@cameronpj.org*

I, _____, **Opt OUT** of the BET test and understand that an inspection will be performed based on the following component/criteria table (IRC Table 1104.4.2) listed below.

AIR BARRIER AND INSULATION INSTALLATION

COMPONENT	CRITERIA*
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 shall 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, skylight and doors	The space between window/door jambs and framing and skylights and framing shall be sealed.
Rim joists	Rim joints shall be insulated and include the air barrier.
Floors (including above-garage & 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, IC rated, 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 walls	Exterior walls adjacent to showers and tubs shall be insulated and the air barrier installed separating them form 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 boot	HVAC register boots that penetrate building thermal envelope shall be sealed to the subfloor or drywall.
Fireplace	An air barrier shall be installed on fireplace walls. Fireplaces shall have gasketed doors.