



Inspection Services Division

## MEMORANDUM

January 5, 2015

**To:** Project Superintendents

**From:** Arlington County CPHD, Inspection Services Division

**Subject:** Construction Energy Inspections

This letter is to inform you that Arlington County has started conducting inspections of new buildings in Arlington County that received permits after January 1, 2014 to confirm compliance with the 2009 and 2012 Virginia Energy Conservation Codes (VECC). This is limited to new buildings that were reviewed for energy code compliance during plan review.

County *energy inspectors* will make regular site visits to inspect the building during various stages of construction. In order to demonstrate compliance with the VECC projects are required to contact the county *energy inspectors* at the below numbers (not the county automated telephone system for regular inspections) and inform them of the following construction milestones:

- When insulation has been installed and is visible for below-grade areas, such as sub-slab insulation.
- When windows and doors are on-site but not yet installed.
- When the project is ready for the framing inspection and the project has installed air barriers as well as building thermal envelope insulation (including roof insulation).
- When ductwork has been installed and is visible.
- When the mechanical equipment has been installed.
- When the light fixtures and bulbs have been installed and are functioning.
- When the testing and balancing of the project has been completed.

Thank you for your cooperation,

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**Figure 1** - This faced fiberglass batt insulation was **incorrectly installed**; it should be cut to fit around wiring and obstructions so that it can completely fill the wall cavity without compressions and voids



**Figure 2** - Unfaced fiberglass batt insulation is **correctly installed** to completely fill the wall cavities and is sliced to fit around wiring, piping, and other obstructions in the wall cavities without compressing the insulation.



**Figure 3** – This unfaced fiberglass insulation has been **incorrectly installed** due to misalignment, compression, and gaps; it should be cut to fit so that it can completely fill the cavity without any compressions and voids.



**Figure 4** – This unfaced fiberglass insulation has been **correctly installed** to completely fill the wall cavities and is sliced to fit to eliminate compression of the insulation or voids and gaps in the insulation.