



**Roanoke County**  
**Office of Building Safety**  
5204 Bernard Dr  
Roanoke, VA 24018  
540-772-2065 \* Fax 540-772-2108  
Email - permit@roanokecountyva.gov



## **Energy Specification Certificate**

Street Address:

City:

State: VA

<b>Building Envelope</b>				
<i>Insulation R-values</i>				
Ceiling:		Above Grade Walls:		
Foundation Walls:		Exposed Floor:		
Slab:		Duct:		
Infiltration:	ACH50:		CFM50:	
Total Duct Leakage:	%		CFM25:	

<b>Windows and Doors</b>				
Windows:	U-value:		SHGC:	
Doors with Glazing:	U-value:		SHGC:	
Opaque Doors:	U-value:			

<b>Mechanical Equipment</b>						
<i>HVAC System 1</i>						
Heating:	Type:		Efficiency:		Fuel:	
Cooling:	Type:		Efficiency:			
<i>HVAC System 2</i>						
Heating:	Type:		Efficiency:		Fuel:	
Cooling:	Type:		Efficiency:			
Water Heater	Type:		Efficiency:		Fuel:	

<b>Builder or Design Professional</b>	
Name:	
Signature:	

2021 Virginia Energy Conservation Code R401.3: A permanent certificate shall be completed by the builder or other approved party and posted on a wall in the space where the furnace is located, a utility room or an approved location inside the building. Where located on an electrical panel, the certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label, or other required labels. Where approved, certificates for multifamily dwelling units shall be permitted to be located off-site at an identified location. The certificate shall indicate the predominant R-values of insulation installed in or on ceilings, roofs, walls, foundation components such as slabs, basement walls, crawl space walls and floors, and ducts outside conditioned spaces; U-factors of fenestration and the solar heat gain coefficient (SHGC) of fenestration; and the results from any required duct system and building envelope air leakage testing performed on the building. Where there is more than one value for each component, the certificate shall indicate the value covering the largest area. The certificate shall indicate the types and efficiencies of heating, cooling, and service water heating equipment. Where a gas-fired unvented room heater, electric furnace, or baseboard electric heater is installed in the residence, the certificate shall indicate "gas-fired unvented room heater," "electric furnace," or "baseboard electric heater," as appropriate. An efficiency shall not be indicated for gas-fired unvented room heaters, electric furnaces, and electric baseboard heaters.