



RESIDENTIAL HVAC CERTIFICATION FORM

Property Address: _____ Associated Building Permit #: _____

Mechanical Permit #: _____ System #: _____, area: _____ square feet

HEATING EQUIPMENT DATA	
Equipment Type:	
Manufacture:	
Model:	
Input: Btu/h	
Output: Btu/h	
COOLING EQUIPMENT DATA	
Equipment Type:	
Manufacture:	
Model:	
Total Capacity @ Evaporator: Btu/h	
Sensible Capacity: (equipment) Btu/h	
Tonnage: (1 Ton = 12,000 Btu/h)	

I hereby certify as the system designer that the above information is accurate and in conformance with ACCA's Manual J, Manual S, Manual D, the ASHRAE Handbook of fundamentals or other approved methods. I understand that additional information may be requested by the Plan Reviewer of record.

Print Name: _____ Signature: _____

Company: _____

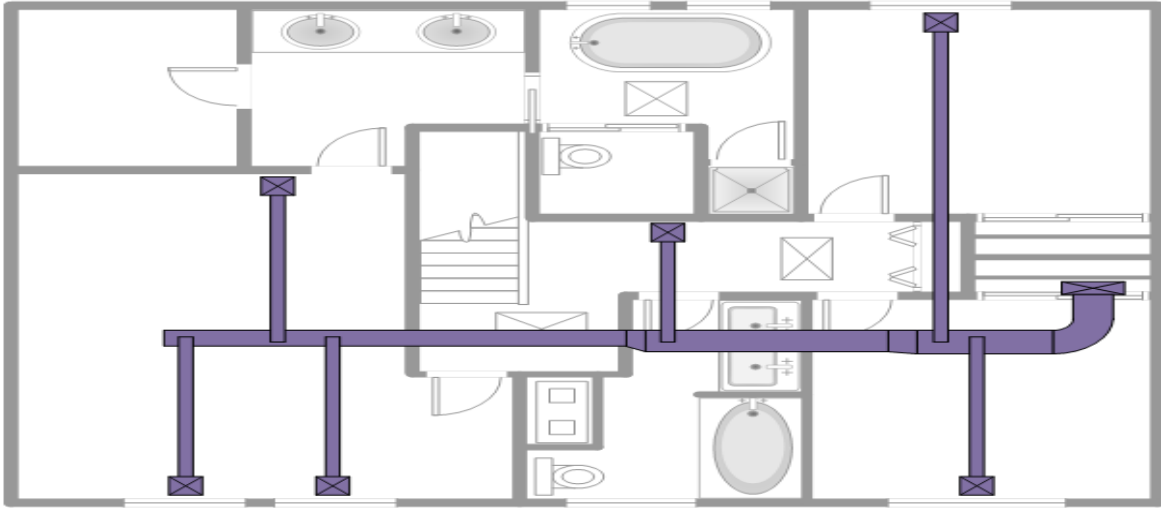
On page 2 provide an HVAC layout diagram.



HVAC LAYOUT DIAGRAM

PROVIDE A FLOOR PLAN DIAGRAM OF THE DUCT SYSTEM INCLUDING TRUNK, BRANCH, AND OULET SIZES

Example:



Layout:



INSTRUCTIONS

The Virginia Residential Code states that equipment sizing shall be in accordance with ACCA Manual S based on building loads calculated in accordance with ACCA manual J or other approved methodologies. It is the applicant's responsibility to conduct a load calculation in accordance with ACCA Manual J for all HVAC installations.

General:

- 1) A separate form is required for each system installed.
- 2) System area is the total area served by the system.

Heating Equipment Data:

- 1) **Equipment Type:** Furnace, heat pump, boiler, etc.
- 2) **Manufacture / Model No:** The specific equipment manufacture and model number being proposed.
- 3) **Input:** The input capacity of a furnace or boiler in Btu/h.
- 4) **Output:** The output capacity of a furnace or boiler in Btu/h.

Cooling Equipment Data:

- 1) **Equipment Type:** Air conditioner, heat pump, etc.
- 2) **Manufacture / Model No:** The specific equipment manufacture and model number being proposed.
- 3) **Total Capacity @ Evaporator:** The sum of the sensible and latent capacities of the equipment at the design temperature in Btu/h.
- 4) **Sensible Capacity (equipment):** The maximum sensible capacity of the equipment at the design temperature in Btu/h.

HVAC Duct Layout Diagram:

- 1) Provide a plan view and diagram of the supply and return air duct systems. Plan shall include all sizes of trunk lines, branch lines, supply outlets and return outlets. See example below.