



**ENERGY MECHANICAL SYSTEM (508) INSPECTION CERTIFICATION**

An Energy Mechanical System Inspection Certification is required for replacement of mechanical systems and service water heater systems in buildings where the total mechanical equipment capacity is equal or exceeds 480,000 Btu/h (40 tons) cooling capacity and 600,000 Btu/h combined service water-heating and space-heating capacity. The project’s registered mechanical designer shall complete this certification.

**CERTIFICATION**

I hereby certify that I have the authority to sign this certification on behalf of the permittee and that this report is a true description of the job site conditions. This certification represents the completion of this phase of construction in compliance with the International Energy Conservation Code and the International Mechanical Code.

- The median age of the existing HVACR equipment has been determined in accordance with ASHRAE Equipment Life Expectancy Chart
  - If the equipment is less than the ASHRAE median age, Heating and cooling loads must be determined in accordance with the procedures described in ANSI/ASHRAE/ACCA 183. The registered designer must calculate the heating and cooling loads before selecting or sizing the HVAC equipment.
  - If the equipment age is equal or older than the ASHRAE median age, it is exempt from load sizing.
- Commissioning & Functional Performance testing has been conducted to verify and document that the selected building systems have been designed, installed and function properly and can be maintained in accordance with the contract documents in order to satisfy the building owner’s design intent and operational requirements.
- HVACR systems has been balanced in accordance with generally accepted engineering standards. Air and water flow rates shall be measured and adjusted to deliver final flow rates within the tolerances provided in the product specifications. Test and balance activities shall include air system and hydronic system balancing.
- The HVACR system replacement weighs equal or less than the existing equipment.
- Operations and maintenance documents have been provided to the owner.

MECHANICAL PERMIT NUMBER \_\_\_\_\_

DATE INSPECTED \_\_\_\_\_

PREMISE ADDRESS \_\_\_\_\_

\_\_\_\_\_  
NAME OF QUALIFIED INDIVIDUAL (PRINT)

\_\_\_\_\_  
SIGNATURE & SEAL

PROFESSIONAL CERTIFICATION: I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland, License number: \_\_\_\_\_, Expiration date: \_\_\_\_\_.

Email the completed certification to [DPS.Commissioning@montgomerycountymd.gov](mailto:DPS.Commissioning@montgomerycountymd.gov).  
Include the Mechanical Permit number and Property Address in the subject line.