



### Professional Engineer Duct Design Submittal

The following document must be completed by the licensed Professional Engineer who completed the “duct design” in order for EarthCraft Virginia to verify a project as complying with green building program requirements. Please attach a copy of the duct layout(s) and calculations to this document. In addition, the certification program may have supplementary testing and verification protocols to meet program requirements.

I, \_\_\_\_\_, a licensed Professional Engineer in the State/Commonwealth of \_\_\_\_\_, hereby declare that the project at the following address, \_\_\_\_\_ (referred to herein as the “Project”), meets all of the prescriptive requirements listed below.

Please identify the ASHRAE duct design methodology and the number of distribution systems used in this Project:

Initial next to each statement below:

- \_\_\_\_\_ The forced air distribution system(s) is sized based on an AHRAE – approved room-by-room “load calculation” method.
- \_\_\_\_\_ The total effective lengths (TEL) for the longest supply and return ducts were calculated per system
- \_\_\_\_\_ Available static pressure was acquired from original equipment manufacturer’s data per system
- \_\_\_\_\_ Pressure losses across specified filter, coil, dampers, grilles and registers were calculated per system.
- \_\_\_\_\_ Design meets the target airflow rates for each register in every room.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
State and License Number

Place Stamp Here

**Disclaimer:**

EarthCraft Virginia does not verify that the data provided to EarthCraft Virginia by the person executing this document is correct or complete. The sole purpose of this review is to determine compliance with the green building program requirements. EarthCraft Virginia makes no representations or warranties concerning the HVAC systems, including but not limited to its ability to provide sufficient heating, cooling, ventilation and dehumidification for this project.

A program of the Greater Atlanta Home Builders Association and Southface Energy Institute with EarthCraft Virginia and the Home Builders Association of Virginia •