

SNAPSHOT Form

Research Report – 0413b

2004

Building Science Corporation

Abstract:

SNAPSHOT stands for Short, Non-destructive Approach to Provide Significant House Operation Thresholds. It is a test form used in the Building America program to ascertain house performance and specifications.

SNAPSHOT⁰ "The Form"

| | | | |
|--------|--------------|----------|----------------|
| Lot #: | Subdivision: | Address: | Date and time: |
| Model: | | | |

INITIALIZATION

| | | |
|--|---|--|
| | Square feet | sq. ft. |
| | Surface area (all outside surfaces, including foundation) | sq. ft. |
| | Volume | cu. ft. |
| | Windspeed (approximate mph) | mph |
| | Outside temperature (estimated) | ° F |
| | Check that all registers and bedroom doors are open. | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| | Measure static pressure in return between fan & filter. | pa |
| | Static pressure in Supply and Return | S Pa / R Pa |
| | Is there a ventilation system? | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| | Type of ventilation system (e.g., exhaust-only, HRV, ERV) | |
| | If there is an AirCycler™, enter the off / on times. | off on |
| | Enter outside air duct pressure. | pa |
| | Type of outside air duct (flex/sheet metal; diameter) | |
| | Is there an adjustable outside air damper? | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| | Is there a fireplace or wood stove? | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| | Duct location (approximate % in attic, conditioned space, basement, etc.) | |

PRESSURE TESTING

| | | | |
|--|---|----|----|
| | Stack Pressure (baseline with blower door installed; covers on) | pa | |
| | Dominant Duct Leak Effect (baseline with HVAC system running) | pa | |
| | Master Bedroom Door Closure Effect (ΔP from main space to outdoors) | pa | |
| | All Doors Closed Effect (ΔP from main space to outdoors) | pa | |
| | Fireplace/Wood Stove Zone HVAC Test | pa | |
| | Pressure In Each Closed Room (room label and pressure) | pa | pa |
| | | pa | pa |
| | | pa | pa |
| | | pa | pa |
| | | pa | pa |

BLOWER DOOR TESTING (BDT)

| | | |
|--|--|--------------|
| | Blower Door Location | |
| | Total CFM50 (add C & n values if available on multipoint test) | CFM50= C= n= |

DUCT AIRTIGHTNESS TESTING (DAT)

| | | |
|--|--------------------------|--|
| | DAT CFM25 <u>TOTAL</u> | |
| | DAT CFM25 <u>OUTSIDE</u> | |

MECHANICALS

| | | | |
|--|------------------------|-------|--------|
| | Furnace or air handler | Make: | Model: |
| | Air Conditioning | Make: | Model: |
| | Domestic hot water | Make: | Model: |



About this Report

This report was produced in cooperation with the US Departments of Energy's Building America Program.

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