



**DUCT LEAKAGE TEST**

**Date of Test: 11/28/17**

**Technician: Dominic Riemma**

**Test File: GREEN HVAC DUCTS USA LLC – Beacon, NY**

**Customer: GREEN HVAC DUCTS USA LLC**

**Test Results**

1. Measured Duct Leakage:		<b>51.9 CFM / 9.8 sq. in. (+/- 0.0%)</b>
2. Duct Leakage as a Percent of System Airflow:		<b>3.2%</b>
3. Duct Leakage as a Percent of Building Floor Area:		<b>3.5%</b>
4. Leakage Split:	Supply Side:	
	Return Side:	
5. Duct Leakage Curve:	Flow Coefficient (C):	<b>7.5</b>
	Exponent (n):	<b>0.600 (Assumed)</b>
6. Test Settings:	Test Mode:	<b>Pressurized</b>
	Test Pressure:	<b>25.0 Pa</b>
	Equipment:	<b>Series B Minneapolis Duct Blaster, S/N – D6169</b>
	Test Type:	<b>Total Leakage (Duct Blaster Only)</b>

**Building and System Parameters:**

Floor Area:	<b>1500 sq. ft.</b>	Average Supply Operating Pressure:	<b>Pa</b>
System Airflow:	<b>1600 CFM</b>	Average Return Operating Pressure:	<b>Pa</b>
Supply Leakage Split:	<b>%</b>	Supply Leakage Penalty:	
Return Leakage Split:	<b>%</b>	Return Leakage Penalty:	

Percentage of Measured Leakage Connected to Outside: **100% (51.9 CFM)**

Duct Pressure (Pa)	Fan Pressure (Pa)	Fan Flow (CFM)	% Error	Fan Configuration
<b>0.2</b>	<b>n/a</b>			
<b>25.3</b>	<b>70.4</b>	<b>52</b>	<b>0.0</b>	<b>Ring 3</b>

**Comments**

This modular home has a Furnace with eleven supply registers, one central return. The furnace and the duct work is in an unconditioned basement. **Green HVAC USA LLC** used their proprietary ductwork. This ductwork was exemplary – literally leakage free, structurally sound, flame resistant, self insulated (exceeds existing code of R8). The duct leakage test results exceeded an **Energy Star Home**.