



Duct Leakage Test Report

Client
 Building Description **1st floor**
 Building Address **110 East Jackson St.**
Coats, NC. 27521
 Contact **Noah Stancil**
 Phone

Tester
 Company **BIGGS HVAC INC.**
 Address **298 SHIPWASH DRIVE**
GARNER, NC 27529
 Technician **Bryan Murphy**
 Phone **919-329-8288**

Test Type **Total Duct Leakage**
 Test Equipment **Retrotec DU200**

Gauge S/N **207710**
 Fan S/N **1LFT000582**

Building and Duct Details

Conditioned Floor Area **2453.0 sq ft**
 Air Handler Flow **1000 CFM**

	Supply	Return
Average Duct Operating Pressure	0.1 Pa	0.1 Pa
Leakage Split	50%	50%
Leakage Penalty	0%	0%

Leakage Data

	Pressurization
Duct Test Pressure	25.0 Pa
Fan Test Pressure	52.0 Pa
Range Configuration	Mid
Duct Leakage	50 CFM
Leakage Area	9.3 sq in
Leakage constant, C	7.28
Leakage Exponent	0.60 (assumed)

Leakage Results

Total Duct Leakage **50 CFM at 25 Pa**
 Duct Leakage as % of Air Handler Flow **5.0%**
 Leakage/Conditioned Floor Area **0.020 CFM/sq ft at 25 Pa**
2.0 CFM/100 sq ft at 25 Pa
20 CFM/1,000 sq ft at 25 Pa

Cost of Duct Leakage