

Permit # 2018-00342  
BUILDING LEAKAGE TEST



Date of Test: 12/9/2018

Customer: Norton Homes  
18215 45th Ave N Ste D  
Plymouth, MN 55446  
Phone: 612-386-7661

Test File: 4745 Augusta Street

Technician: Joe Lewis

Project Number: 018-1209

Building Address: 4745 Augusta Street  
Orono, MN 55364

#### Test Results

1. Airflow at 50 Pascals: 1044 CFM50  
(50 Pa = 0.2 w.c.) 1.34 ACH50
2. Leakage Area: 57.4 in2 LBL ELA @ 4 Pa
3. Building Leakage Curve: Flow Coefficient (C) = 82.1  
Exponent (n) = 0.650 (Assumed)
4. Test Settings: Test Standard: RESNET One-Point Test  
Test Mode: Depressurization
5. Accuracy Level: Standard Level of Accuracy Test

#### Infiltration Estimates

1. Estimated Average Annual Infiltration Rate:
2. Estimated Design Infiltration Rate:

#### Cost Estimates

1. Estimated Cost of Air Leakage for Heating:
2. Estimated Cost of Air Leakage for Cooling:

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**Building Information**

Volume	<b>46814</b>
Surface Area	
Floor Area	
Height	
# of Bedrooms	
# of Occupants	
Year of Construction	<b>2018</b>
Wind Shield	<b>M</b>

**Location Climate Information**

Ventilation Weather Factor	
Energy Climate Factor	
Heating Degree Days	
Cooling Degree Days	
Design Winter Wind Speed	
Design Summer Wind Speed	
Design Winter Temp Diff	
Design Summer Temp Diff	

**Heating and Cooling Cost and Efficiency Information**

Heating Fuel	<b>Gas</b>
Heating Fuel Cost	
Heating Efficiency %	
Cooling Fuel Cost	
Cooling SEER	

**Equipment Information**

Type	Manufacturer	Model	Serial Number	Custom Calibration Date
<b>Fan</b>	Energy Conservatory	Model 3 (110V)		-
<b>Micromanometer</b>	Energy Conservatory	DG700		

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**Depressurization Test:****Environmental Data**

Indoor Temperature (°F)	Outdoor Temperature (°F)	Altitude (ft)
65.0	25.0	750.0

**Baseline Pressure Data**

<b>Baseline 1 (Pa)</b>	-1.7
<b>Baseline 2</b>	-1.7
<b>Baseline 3</b>	-1.8
<b>Baseline 4</b>	-1.9
<b>Baseline 5</b>	-1.8
<b>Average Baseline (Pa)</b>	-1.8
<b>Baseline Range (Pa)</b>	0.2

**Data Points - Data Entered Manually (TT 4.0.53.0)**

Nominal Building Pressure (Pa)	Baseline Adjusted Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow (cfm)	Adjusted Flow (cfm)	Fan Configuration
-50.0	-48.2	36.0	1091	1019	Ring A

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**Time Averaging Period: 10**

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**Deviations from Standard RESNET One-Point Test - Test Parameters**None

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**Comments**

None

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