



Minneapolis • Cedar Rapids • Des Moines  
Phone: 888.850.4777  
missiongogreen.com

The Element Group  
Michael Boerst  
7841 12<sup>th</sup> Avenue South  
Bloomington, MN 55425

January 18, 2021

EPS Buildings  
Attn: Lee Bergum  
2603 N. Van Gordon Ave.  
Graettinger, IA 51342

Mr. Bergum,

In the table below is the certified envelope leakage (blower door) and duct leakage testing results from The Element Group for the project located at 7247 County Road 44 in South Haven, MN.

<u>Conditioned Volume (CF)</u>	<u>Building Leakage (CFM50)</u>	<u>Air Changes Per Hour (ACH50)</u>
64,768 SF	1752	1.62

This home meets the 3.0 ACH50 total building leakage threshold required by the Minnesota amended residential 2012 IECC (2015 Minnesota Energy Code). Testing was performed using the RESNET approved single point depressurization method. Calibrated Minneapolis Blower Door and Minneapolis Duct Blaster equipment was used with the DG1000 gauge.

Please feel free to contact me with any questions or for any further assistance at 651-666-0428 or via email at michael.boerst@missiongogreen.com.

Sincerely,

*Michael Boerst*

Michael Boerst  
Energy Consultant  
The Element Group

# BUILDING LEAKAGE TEST

---

Date of Test: 1/18/2021

Customer: Energy Panel Systems

Test File: Jim Hay & Jeff Coffman Residence

Technician: Michael Boerst

Project Number:

Building Address: Jim Hay & Jeff Coffman  
7247 County Road 44  
South Haven, MN 55382

---

## Test Results

1. Airflow at 50 Pascals:  
(50 Pa = 0.2 w.c.)  
1752 CFM50  
1.62 ACH50
  2. Leakage Area: 96.4 in2 LBL ELA @ 4 Pa
  3. Building Leakage Curve: Flow Coefficient (C) = 137.8  
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: