



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

The Element Group
Michael Boerst
7841 12th Avenue South
Bloomington, MN 55425

August 14, 2020

Taiga Design + Build
Attn: Anton Moody
318 1st Ave W
PO Box 1428
Grand Marais, MN 55604

Mr. Moody,

In the table below is the certified envelope leakage (blower door) testing results from The Element Group for the project located at 7106 MN-61 in Tofte, MN.

This home meets the 3.0 ACH50 threshold required by the Minnesota amended residential 2012 IECC (2015 Minnesota Energy Code). Testing was performed using the RESNET-approved multipoint depressurization method. Calibrated Minneapolis Blower Door equipment was used with the DG1000 gauge.

Date Tested	Conditioned Floor Area (SF)	Conditioned Volume (CF)	CFM @ 50 Pa	ACH @ 50 Pa
9/25/2020	3,120 SF	30,481 CF	450.1 CFM50	0.89 ACH50

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

Envelope Leakage Test

Testing Company:

Name: The Element Group
Address: 7841 12th Ave S
Bloomington, MN 55425
Phone: 612-849-1095
missiongogreen.com

Technician:

Name: Michael Boerst
Credentials: Energy Consultant
Email: michael.boerst@missiongogreen.com

Building Information:

Project ID: Mahon Residence
Address: 7106 MN-61
Tofte, MN 55615
Geo-Tag Data: Latitude: 47.577069
Longitude: -90.827832
Timestamp: 2020-09-25 11:15:22

Customer Information:

Name: Taiga Design + Build
Address: 318 1st Ave W
P.O. Box 1428
Grand Marais, MN 55604

Measured Leakage: 450.1 CFM50

Test ID:	RESNT Multi-Pt. Env. Leakage	
Purpose of Test:	RESNET Multi-Pt Env. Leakage	
Measured ACH50:	0.89 (+/- 7.4%)	Effective Leakage Area: 27.7 in ²
Building Volume:	30,481.0 ft ³	Enclosure Surface Area: 0.0 ft ²
Coefficient (C):	42.3 (+/- 33.5%)	Exponent (n): 0.605 (+/- 0.097)
Correlation Coefficient:	0.99623	
Test Standard:	RESNET 380 Multi-Point	Test Mode: Depressurize
Test Characteristics:	Indoor Temp: 67 °F	Outdoor Temp: 55 °F
	Altitude: 618.0 ft	Time Average Period: 10 seconds
Test Date and Time:	2020-09-25 11:16:18	

