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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 1868 E MN-61 in Grand Marais, 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	1,037 SF	12,095 CF	253.9 CFM50	1.26 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 Boonst.

Michael Boerst Energy Consultant The Element Group

Envelope Leakage Test

Testing Company:

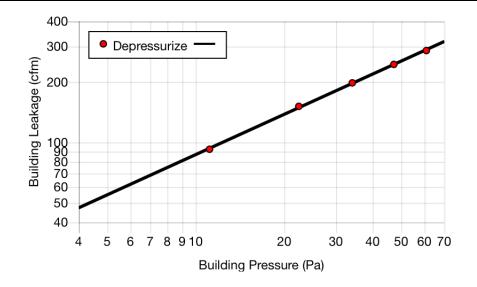
Name: The Element Group Address: 7841 12th Ave S Bloomington, MN 55425 Phone: 612-849-1095 missiongogreen.com

Building Information:

Project ID:Wahlstrand CabinAddress:1868 E HWY. 61Grand Marais, MN 55604Geo-Tag Data:Latitude: 47.768493Longitude: -90.262912Timestamp: 2020-09-25 09:22:01

Measured Leakage: 253.9 CFM50

Test ID:	RESNT Multi-Pt. Env. Leakage		
Purpose of Test:	RESNET Multi-Pt Env. Leakage		
Measured ACH50:	1.26 (+/- 2.4%)	Effective Leakage Area: 13.4 in ²	
Building Volume:	12,095.3 ft ³	Enclosure Surface Area: 0.0 ft ²	
Coefficient (C):	18.8 (+/- 10.7%)	Exponent (n): 0.666 (+/- 0.031)	
Correlation Coefficient:	0.99968		
Test Standard:	RESNET 380 Multi-Point	Test Mode: Depressurize	
Test Characteristics:	Indoor Temp: 65 °F	Outdoor Temp: 52 °F	
	Altitude: 595.0 ft	Time Average Period: 10 seconds	
Test Date and Time:	2020-09-25 09:32:21		



Technician:

Name:Michael BoerstCredentials:Energy ConsultantEmail:michael.boerst@missiongogreen.com

Customer Information:

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