

## Montcalm County Building Department

### *Blower Door Test Report Checklist*

For purposes of review and approval by the Building Official, a Blower Door test, as required by Section N1102.4.1.2 of the Michigan Energy Code, shall be performed in compliance with the code, shall, at a minimum, contain the following information in report form, with a written report provided to the Building Official prior to final inspection. Incomplete reports will not be approved.

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| <ul style="list-style-type: none"> <li>• Testing Company information including:               <ul style="list-style-type: none"> <li>○ Contact Name</li> <li>○ Name of Test Conductor</li> <li>○ Address</li> <li>○ City, State &amp; Zip Code</li> <li>○ Phone number</li> <li>○ email address?</li> </ul> </li> <li>• Building Contractor information including:               <ul style="list-style-type: none"> <li>○ Builder name</li> <li>○ Address</li> <li>○ City, State &amp; Zip Code</li> <li>○ Phone number</li> <li>○ Email address?</li> </ul> </li> <li>• Project information including:               <ul style="list-style-type: none"> <li>○ Owner name</li> <li>○ Address</li> <li>○ City, State &amp; Zip Code</li> <li>○ Building Permit number</li> <li>○ Compliance to what building code (Year and Code)</li> </ul> </li> <li>• Building information including:               <ul style="list-style-type: none"> <li>○ New building or addition                   <ul style="list-style-type: none"> <li>▪ If addition, existing building included in test?</li> </ul> </li> <li>○ Square footage of building being tested</li> <li>○ Cubic footage of building being tested</li> <li>○ Stage of construction when test was performed                   <ul style="list-style-type: none"> <li>▪ (rough, drywall, finished, etc)</li> </ul> </li> </ul> </li> <li>• Test Results</li> <li>• Test date</li> </ul> | <ul style="list-style-type: none"> <li>• Test equipment manufacturer and model used for testing</li> <li>• Date of last equipment calibration? By whom?</li> <li>• Tester certification               <ul style="list-style-type: none"> <li>○ (certified by?)</li> <li>○ (Provide certificate/re-certification to code official)</li> </ul> </li> <li>• Test standard used</li> <li>• Test procedure used - Pressurized or Depressurized?</li> <li>• List any deviations in the test not typical of the standard practices used for Blower Door testing.</li> <li>• Specific reasons for deviations in performing the test</li> <li>• Conditions during test               <ul style="list-style-type: none"> <li>○ Weather Conditions during testing                   <ul style="list-style-type: none"> <li>▪ Indoor and outdoor temperatures</li> <li>▪ Wind speed and direction</li> <li>▪ Humidity level</li> <li>▪ Sunny/partly cloudy/overcast/precipitating</li> </ul> </li> <li>○ Windows and exterior doors                   <ul style="list-style-type: none"> <li>▪ (open or closed). If open, why?</li> </ul> </li> <li>○ Interior doors.                   <ul style="list-style-type: none"> <li>▪ (open or closed). If closed, why?</li> </ul> </li> <li>○ Status of mechanical openings to exterior during testing.                   <ul style="list-style-type: none"> <li>▪ (louvers, grilles, fans, dampers, supply/return ducts etc)</li> </ul> </li> <li>○ Status of plumbing traps                   <ul style="list-style-type: none"> <li>▪ (open or closed)</li> </ul> </li> <li>○ Fireplace/wood burning devices                   <ul style="list-style-type: none"> <li>▪ Openings sealed beyond normal gaskets/weather stripping?</li> </ul> </li> <li>○ HVAC equipment turned off (Yes or No)</li> </ul> </li> <li>• Signature of certified tester</li> </ul> |
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The following is an excerpt from the 2015 Michigan Uniform Energy code. This excerpt provides the criteria under which the “Blower Door Test” shall be required and performed when using the “Prescriptive Compliance Method” of the code. When using compliance alternatives, the proof of compliance for those alternative methods must be followed in accordance with the standards for the chosen alternative compliance method. Alternative methods of compliance allowed by this code may incorporate the use of a “Blower Door Test” as a part of verification of compliance. As such, a “Blower Door Test Report” submittal may also be required by the Building Official for verification of code compliance under a chosen alternative compliance method.

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## **2015 Michigan Energy Code - Section N1102.4.1.2 - Testing**

N1102.4.1.2 (R402.4.1.2) Testing (prescriptive). The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 4 air changes per hour. Testing shall be conducted with a blower door at a pressure of 0.2 inches w.g. (50 pascals).

Where required by the code official, testing shall be conducted by a certified independent third party. Certification programs shall be approved by the state construction code commission. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope. During testing:

1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weather stripping or other infiltration control measures;
2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures;
3. Interior doors, if installed at the time of the test, shall be open;
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed;
5. Heating and cooling systems, if installed at the time of the test, shall be turned off;
6. Supply and return registers, if installed at the time of the test, shall be fully open.

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# Blower Door Test Report

For purposes of review and approval by the Building Official, a Blower Door Test, as required by Section N1102.4.1.2 of the 2015 Michigan Residential Code, shall be performed in compliance with the code, shall, at a minimum, contain the information listed below in written report form, with a copy of the written report provided to the Building Official prior to final inspection. This form is provided as an example of the information required to be included on the written report and can be used for generating a written blower door test report. Incomplete reports will not be approved.

## Testing Company Information:

Name of Testing Company	Name of Contact Person		
Mailing Address	City	State	Zip
Daytime Telephone Number	Email Address		

## Building Contractor Information:

Name of Building Contractor			
Mailing Address	City	State	Zip
Daytime Telephone Number	Email Address		

## Project Location Information:

Name of Owner			
Address of Project	City	State	Zip

## Building Code Information:

Building Permit Number	Building Code Compliance (Year and Code)
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## Building Information:

Building New Building <input type="checkbox"/> Addition <input type="checkbox"/>		If Addition, is Existing Building Included in Test? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Square footage of Building being Tested		Cubic Footage of Building being Tested	
Stage of Construction when Test was Performed: Rough <input type="checkbox"/> Drywall <input type="checkbox"/> Final <input type="checkbox"/> Other <input type="checkbox"/>			

Test/Equipment Information	
Test Equipment Manufacturer and Model Used for Testing	Date of Last Equipment Calibration and by Whom
Tester Certification - Provide Certification/Re-Certification to Building Official  Certified By:	
Test Standard Used	Test Procedure Used Pressurized <input type="checkbox"/> Depressurized <input type="checkbox"/>
List any deviations in the test not typical of the standard practices used for Blower Door testing.	
Specific reasons for deviation in performing the test.	
Test Conclusion and Results	
Signature of Certified Tester	Test Date

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