

<b>INSTALLER and INSPECTOR QUICK-REFERENCE: 2025 NRCA-MCH-20a-H Multifamily Dwelling Unit Continuous Ventilation Inspection</b>	
<b>Purpose and Scope of the Test</b>	
<p>This test verifies that the continuous ventilation airflow (balanced, supply only, or exhaust only) and the kitchen exhaust fan conforms to the requirements of the Energy Code and ANSI/ASHRAE Standards 62.2-2022. Submit one Certificate of Acceptance for each dwelling unit.</p> <p>NOTE: ECC Rater Verification is not required if an ATT performs the test. The Certificate of Acceptance NRCA-MCH-21-H must be completed prior to beginning NRCA-MCH-20a-H.</p>	
<b>Test trigger</b>	
<p>All newly constructed four or more stories multifamily dwelling units with continuous ventilation must be tested.</p> <p>This form is completed only when NA1.9 Acceptance Test Technicians Alternative Procedure is used in accordance with Section 160.2(b)2Biv, where a certified ATT is allowed to perform the test that is typically performed by an ECC-Rater for multifamily buildings with four or more stories.</p> <p>Exceptions: Central Fan Integration (CFI) or other intermittent ventilation systems are not subject to this test. Healthcare facilities are not subject to this test.</p>	
<b>Relevant Energy Code References and Required Compliance Documents</b>	
<p>Title 24, Part 6 of the California Building Standards Code, Building Energy Efficiency Standards (Energy Code) sections 160.2(b)2; NA7.18.1.1, NA2.2; NRCC-MCH-E Table J or NRCC-PRF-E; and ANSI/ASHRAE Standards 62.2-2022.</p>	
<b>Who Can Perform the Test</b>	
<p>This test must be performed by an acceptance test technician certified by a CEC-approved Acceptance Test Technician Certification Provider, using compliance document NRCA-MCH-20a.</p>	
<b>Required Tools</b>	
<p>A pressure measurement instrumentation that complies with all of the following:</p> <ul style="list-style-type: none"> <li>• Accurate to plus or minus 0.2 Pa or plus or minus 1 percent of the pressure reading.</li> <li>• Includes a sensor plus data acquisition system.</li> <li>• Makes use of a static pressure probe.</li> </ul> <p>Ventilation system airflow rate measurement apparatus that complies with all of the following:</p> <ul style="list-style-type: none"> <li>• Listed on the Energy Commission website: <a href="https://www.energy.ca.gov/rules-and-regulations/building-energy-efficiency/manufacture-certification-building-equipment/airflow-meas">https://www.energy.ca.gov/rules-and-regulations/building-energy-efficiency/manufacture-certification-building-equipment/airflow-meas</a>.</li> <li>• Calibrated according to the manufacturer procedures.</li> </ul>	

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<b>Estimated Time to Complete Test</b>
<p>Construction Inspection: 0.5 hour. Functional Test: 0.5 to 1.5 hours.</p>
<b>Potential Issues and Cautions</b>
<p>If multiple fans are specified to operate simultaneously to provide the total required ventilation airflow, the measurements within this functional test must be made with all applicable fans operating simultaneously.</p>
<b>Inspection Enforcement</b>
<p>Verify the inspector is in receipt of one NRCA-MCH-20a-H for EACH system that must demonstrate compliance. All NRCA forms for Mechanical Systems must have a water mark logo from a certified Mechanical ATTCP Provider.</p> <p><b>Required:</b></p> <ul style="list-style-type: none"> <li>• Verify that the system uses a fixed minimum setting for outside air when the unit is operating.</li> <li>• Document the ventilation system type</li> <li>• Document the method of control.</li> <li>• Document balancing system used for central ventilation systems serving multiple dwelling units.</li> <li>• Verify that a manual On/Off switch associated with the dwelling unit ventilation system is operational and labeled per code requirements.</li> </ul> <p><b>Optional Equipment Check:</b></p> <p>Have the technician demonstrate the use of the ventilation system airflow rate measurement apparatus.</p>
<b>Acceptance Criteria</b>
<p>Perform the dwelling unit mechanical ventilation airflow procedure as specified to verify the dwelling unit ventilation airflow conforms to the requirements of the Energy Code.</p> <p>Follow the <b>Construction Inspection</b> and <b>Functional Testing</b> instructions on either NRCA-MCH-20a-H.</p>