

INSTALLER and INSPECTOR QUICK-REFERENCE: 2022 NRCA-MCH-20a-H Multifamily Dwelling Unit Continuous Ventilation Inspection	
Purpose and Scope of the Test	
<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 62.2-2016. Submit one Certificate of Acceptance for each dwelling unit to the HERS Rater.</p> <p>NOTE: HERS Verification required. If using supply-only or exhaust-only ventilation, the Certificate of Acceptance NRCA-MCH-21-H must be completed prior to beginning NRCA-MCH-20a-H.</p>	
Test trigger	
<p>All newly constructed multifamily dwelling units with continuous ventilation must be tested.</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>	
Relevant Energy Code References and Required Compliance Documents	
<p>Title 24, Part 6 of the California Building Code, Building Energy Efficiency Standards (Energy Code) sections 160.2(b)2; NA7.18.1.1, NA2.2; NRCC-MCH-E Table J or LMCA-MCH-E; and ANSI/ASHRAE Standards 62.2-2016</p>	
Who Can Perform the Test	
<p>There are no restrictions on who can perform the test; however the test must be verified by a HERS rater. An acceptance test technician may perform the test without HERS verification.</p>	
Required Tools	
<p>A pressure measurement instrumentation that complies with all of the following:</p> <ul style="list-style-type: none"> • Accurate to plus or minus 0.2 Pa or plus or minus 1 percent of the pressure reading. • Includes a sensor plus data acquisition system. • Makes use of a static pressure probe. <p>Ventilation system airflow rate measurement apparatus that complies with all of the following:</p> <ul style="list-style-type: none"> • Listed on the Energy Commission website: https://ww2.energy.ca.gov/title24/equipment_cert/ama_vs/index.html • Calibrated according to the manufacturer procedures. 	
Estimated Time to Complete Test	
<p>Construction Inspection: 0.5 hours Functional Test: 0.5 to 1.5 hours</p>	

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Potential Issues and Cautions

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.

Inspection Enforcement

Required:

- Verify that the system uses a fixed minimum setting for outside air when the unit is operating.
- Document the ventilation system type
- Document the method of control.
- Document balancing system used for central ventilation systems serving multiple dwelling units.
- Verify that a manual On/Off switch associated with the dwelling unit ventilation system is operational and labeled per code requirements.

Optional Equipment Check:

Have the technician demonstrate the use of the ventilation system airflow rate measurement apparatus.

Acceptance Criteria

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.

Follow the **Construction Inspection** and **Functional Testing** instruction on either NRCA-MCH-20a-H.