

**INSTALLER and INSPECTOR QUICK-REFERENCE:
2025 NRCA-MCH-20b-H
Multifamily Dwelling Unit Kitchen Range Exhaust**

Purpose and Scope of the Test

This test verifies that 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.

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-20b-A.

Test trigger

All newly constructed four or more stories multifamily dwelling units with continuous ventilation must be tested.

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.

Exceptions: Central Fan Integration (CFI) or other intermittent ventilation systems are not subject to this test. Healthcare facilities are not subject to this test.

Relevant Energy Code References and Required Compliance Documents

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.

Who Can Perform the Test

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-20b.

Required Tools

Ventilation system airflow rate measurement apparatus that complies with all of the following:

- Listed on the Energy Commission website: <https://www.energy.ca.gov/rules-and-regulations/building-energy-efficiency/manufacturer-certification-building-equipment/airflow-meas>.
- Calibrated according to the manufacturer procedures.

A sound power level meter that reads in Sones.

Estimated Time to Complete Test

Construction Inspection: 0.5 hour.

Functional Test: 0.5 to 1.5 hours.

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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

Verify the inspector is in receipt of one NRCA-MCH-20b-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.

Required:

- Verify kitchen range hood is ventilated to the outside.
- Document kitchen hood make and model.
- Verify kitchen range hood is HVI or AHAM certified.

Optional Equipment Check:

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

Acceptance Criteria

- Verify that the rated airflow value is greater than or equal to the design value.
- Verify that the rated sound value is less than or equal to the design value.

Follow the **Construction Inspection and Functional Testing** instructions on NRCA-MCH-20b-H.