

**INSTALLER and INSPECTOR QUICK-REFERENCE:
2022 NRCA-MCH-20b-H
Multifamily Dwelling Unit Kitchen Range Exhaust Acceptance
Test**

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 62.2-2016. Submit one Certificate of Acceptance for each dwelling unit to the HERS Rater.
NOTE: HERS Verification required. If using supply-only or exhaust-only ventilation, the Certificate of Acceptance NRCA-MCH-21-A must be completed prior to beginning NRCA-MCH-20b-H.

Test trigger

All newly constructed multifamily dwelling units with continuous ventilation must be tested.
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 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.

Who Can Perform the Test

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.

Required Tools

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

- listed on the Energy Commission website:
https://ww2.energy.ca.gov/title24/equipment_cert/ama_vs/index.html
- Calibrated according to the manufacturer procedures

A sound power level meter that reads in Sones.

Estimated Time to Complete Test

Construction Inspection: 0.5 hours
Functional Test: 0.5 to 1.5 hours

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.

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Inspection Enforcement

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

Acceptance Test must be verified by a HERS Rater.

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