

<b>INSTALLER AND INSPECTOR QUICK-REFERENCE: 2025 NRCA-MCH-23-A</b> <b>Rated Central Ventilation System Heat Recovery or Energy Recovery</b>	
<b>Purpose and Scope of the Test</b>	
This test verifies heat recovery ventilation (HRV) OR energy recovery ventilation (ERV) is used for central balanced ventilation systems serving multiple dwelling units as specified by the Energy Code.	
<b>Test trigger</b>	
This test is for buildings with four or more habitable stories in climate zones: 1, 2, 4 and 11-14 and 16 with central balanced ventilation systems.	
<b>Relevant Energy Code References and Required Compliance Documents</b>	
Title 24, Part 6 of the California Building Standards Code, Building Energy Efficiency Standards (Energy Code) sections 160.2(b)2Av, 170.2(c)3Bivb, NA7.5.4.2 and NA7.18.4.	
<b>Who Can Perform the Test</b>	
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-23-A.	
<b>Required Tools</b>	
No tools are required to perform this test.	
<b>Estimated Time to Complete Test</b>	
Construction inspection: 0.5 hour. Functional testing: 0.5 to 1.5 hours, depending on difficulty accessing equipment components and information for verification.	
<b>Potential Issues and Cautions</b>	
None	
<b>Inspection Enforcement</b>	
Verify the inspector is in receipt of one NRCA-MCH-23-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.	
<b>Required:</b> Verify the HRV/ERV system is listed in a CEC approved equipment database such as HVI or AHRI. HVI: <a href="#">HVI-Certified Products Directory - Home Ventilating Institute</a> AHRI: <a href="#">AHRI Certification Directory (ahridirectory.org)</a>	
<b>Acceptance Criteria</b>	
<ul style="list-style-type: none"> <li>• The ERV/HRV is installed.</li> <li>• The product specifications/tear sheets for the installed equipment are available.</li> <li>• Total design ventilation airflow rate of central ventilation system serving corresponding dwelling units meets or exceeds design ventilation airflow rate of the system.</li> </ul>	

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- The ERV/HRV can provide the designed airflow rate.
- The ERV/HRV's nominal sensible recovery efficiency is 67 percent or greater.
- The ERV/HRV meets the fan power requirements.
- The ERV/HRV has a recovery bypass or free cooling function and meets the high temperature limit requirements.
- Bypass function passes functional testing.