

Mechanical System **Ventilation** Compliance Approach

Certificates of Compliance, Performance Approach – Submitted With Plans at Permit Application

NRCC-PRF-01-E – Performance Approach Certificate of Compliance. Shows all of the inputs for the computer simulation used to demonstrate that the building complies to the energy code using tradeoffs between building components (envelope, mechanical, and/or lighting). Refer to the “What to Check on NRCC-PRF-01 Checklist” for guidance on how to plan check this document.

Certificates of Compliance, All Projects Involving New Mechanical – Submitted With Plans at Permit Application

NRCC-MCH-01-E - Certificate of Compliance for Mechanical Systems. Use the first checklist on this form to make sure all applicable documents have been submitted. The second and third sections itemize the acceptance tests for each mechanical system, one system per row. All new systems must be listed. Note: For single system package units, recommend using the simplified NRCC-MCH-04-E rather than this form.

NRCC-MCH-02-E – HVAC System Requirements. Shows where on the plans to find information that specifies that various requirements have been met. One system per column. Note: For single system package units, recommend using the simplified NRCC-MCH-05-E instead of this one.

NRCC-MCH-03-E – Mechanical Ventilation and Reheat. Primarily used to calculate the two values for minimum outside air (use the higher of the two). One row per occupancy area, totaled for each system.

NRCC-MCH-04-E – A simplified version of the **NRCC-MCH-01-E** for single-zone, packaged systems only.

NRCC-MCH-05-E – A simplified version of the **NRCC-MCH-02-E** for single-zone, packaged systems only.

Commissioning Certificates - Submitted With Plans at Permit Application, Only for New Buildings

NRCC-CXR-02-E – Commissioning Construction Documents. Similar to the NRCC-MCH-02-E in that it shows where on the plans to find information that specifies that various requirements have been met. It also shows that a commissioning agent has reviewed the requirements for compliance.

NRCC-CXR-03/04-E - Commissioning Construction Documents. Similar to the NRCC-CXR-02-E in that it shows where on the plans to find information that specifies that various requirements have been met and that a commissioning agent has reviewed the requirements for compliance, but more specific to mechanical fan systems. The CXR-03 is for simple HVAC systems and the CXR-04 is for more complex HVAC systems.

Installation Certificate – Submitted Prior to Field Inspection

NRCI-MCH-01 – Certificate of Installation, Mechanical Systems – Indicates where on the plans and specifications the features and requirements can be found for the various acceptance tests. Recommend that it be filled out by the designer rather than the installer. Can be used for field inspection to find confirmation of passing results of acceptance tests (see NRCA forms, below.)

Acceptance Certificates – Submitted Prior to Field Inspection (as needed, see NRCC-MCH-01/04)

These can currently be filled out by the installer. Eventually they can only be filled out by a certified acceptance technician, which may or may not be the installer, but they must be certified.

NRCA-MCH-02 – Certificate of Acceptance, Outdoor Air – Shows the results of acceptance testing of outside air requirements. One per system.

NRCA-MCH-03 - Certificate of Acceptance, Constant Volume Single Zone Systems – Shows the results of acceptance testing of miscellaneous control requirements. One per system.

NRCA-MCH-05 - Certificate of Acceptance, Air Economizer Controls – Shows the results of acceptance testing of miscellaneous control requirements specific to economizers. One per system. *Only needed for system with economizers.*

NRCA-MCH-06 - Certificate of Acceptance, Demand Control Ventilation Systems – Shows the results of acceptance testing of miscellaneous control requirements specific to DCV systems. One per system. *Only needed for system with DCV systems.*

Mechanical System Ventilation Compliance Documentation

