

2024 IECC

NBI has submitted proposals into the ICC process to advance the 2024 IECC. The proposed amendments cover a wide range of measures and improve the code by adding additional efficiency, clarifying requirements, and creating greater flexibility for code users and local jurisdictions. Learn more at newbuildings.org/code_policy/2024-iecc-national-model-energy-code-base-codes.

Code Change Title: Duct Leakage Testing in Alterations **REPI-145-21**

Summary: Ducts must be tested when equipment is replaced.

Revise text as follows:

R502.3.2 Heating and cooling systems. HVAC ducts newly installed as part of an addition shall comply with Section R403 and R502.3.2.1.

Exception: Where the extension of ducts from an existing heating and cooling system are extended to into an addition results in an increase of total duct volume in the building of less than 20 percent.

Add new text as follows:

R502.3.2.1 Duct Testing. Ducts that serve the addition shall be tested in accordance with Section R403.3.5. The report required by Section R403.3.5 shall be provided to the owner in addition to the code official.

Revise text as follows:

R503.1.2 Heating and cooling systems. New heating and cooling and duct systems that are part of the alteration ~~HVAC ducts newly installed as part of an alteration~~ shall comply with Section R403.

Exception: Where ducts from an existing heating and cooling system are extended to an addition.

Add new text as follows:

R503.1.2 Duct testing. Ducts and plenums that serve new heating or cooling equipment in an alteration shall be tested in accordance with Section R403.3.5. The report required by Section R403.3.5 shall be provided to the owner in addition to the code official.

The requirements for duct construction and sealing in the IECC have developed substantially over recent code cycles. This proposal requires duct testing during equipment replacement to provide information about duct performance to inform the equipment replacement and future efficiency retrofits.