



**7. Why is adherence to notice and hearing requirements contrary to the public interest and the immediate adoption of the rule is required?**

In this case, the General Assembly has expressed its intent that the North Carolina Building Code Council forgo the procedures required for adoption of a permanent rule and has instead required that the North Carolina Building Code Council "adopt temporary rules to amend" Section N1103.3.1 of the 2018 North Carolina Residential Code for One- and Two-Family Dwellings and Sections C403.2.9 and R403.3.1 of the 2018 North Carolina Energy Conservation Code in Sections 20.10.(c) and 20.10A.(c) of N.C. Sess. L. 2022-6 and Sections 26.(a) and 26.(b) of N.C. Sess. L. 2022-46.

**8. Rule establishes or increases a fee? (See G.S. 12-3.1)**

Yes

Agency submitted request for consultation on:  
Consultation not required. Cite authority:

No

**9. Rule-making Coordinator:**

David Rittlinger

**Phone:**

(919)647-0008

**E-Mail:**

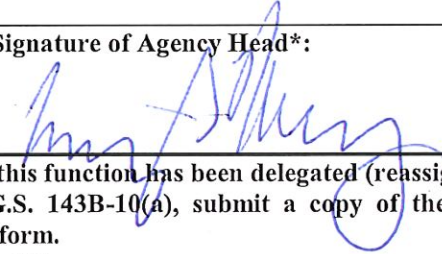
david.rittlinger@ncdoi.gov

**Agency contact, if any:**

**Phone:**

**E-Mail:**

**10. Signature of Agency Head\*:**

  
\* If this function has been delegated (reassigned) pursuant to G.S. 143B-10(a), submit a copy of the delegation with this form.

**Typed Name:**

Bridget Herring

**Title:**

Chair, North Carolina Building Code Council

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**RULES REVIEW COMMISSION USE ONLY**

Action taken:

Submitted for RRC Review:

Date returned to agency:

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**2018 NC Energy Conservation Code:**

**C403.2.9 Duct and Plenum Insulation and Sealing.**

Supply and return air ducts and plenums shall be insulated with a minimum of R-6 insulation where located in unconditioned spaces inside the building. Where located outdoors, supply and return ducts shall be insulated with a minimum of R-8 insulation in *Climate Zones* 3 and 4 and a minimum of R-12 insulation in *Climate Zone* 5. Where located within a building envelope assembly, such as a wall of the building thermal envelope, the duct or plenum shall be separated from the building exterior or unconditioned space by a minimum of R-8 insulation in *Climate Zones* 3 and 4 and a minimum of R-12 insulation in *Climate Zone* 5.

Commercial Spaces Insulation Rule per N.C. Session Law 2022-6 Section 20.10A.(c) expires 3/17/24

Supply and return air ducts located in ventilated or non- ventilated unconditioned spaces, other than attic spaces, shall be insulated with a minimum of R-4.0 insulation in Climate Zones 3 and 4 and a minimum of R-6.0 insulation in Climate Zone 5. Supply and return air ducts located in ventilated or non- ventilated unconditioned attic spaces shall be insulated to a minimum R-6.0.

**Exception:** Where located within equipment.

Ducts, air handlers and filter boxes shall be sealed. Joints and seams shall comply with Section 603.9 of the *International Mechanical Code*.

**2018 NC Energy Conservation Code**

**R403.3.1 Insulation (Mandatory).**

Supply and return ducts in unconditioned space and outdoors shall be insulated to a minimum R-8. Supply ducts inside *semi- conditioned space* shall be insulated to a minimum R-4; return ducts inside conditioned and *semi- conditioned space* are not required to be insulated. Ducts located inside conditioned space are not required to be insulated other than as may be necessary for preventing the formation of condensation on the exterior of cooling ducts.

Residential Spaces Insulation Rule per N.C. Session Law 2022-6 Section 20.10 (c) expires 3/17/24

Supply and return air ducts located in ventilated or non- ventilated unconditioned spaces, other than attics, shall be insulated to a minimum R-4.2. Supply and return air ducts located in ventilated or non-ventilated unconditioned attic spaces shall be insulated to a minimum R-6.0.

**2018 NC Residential Code:**

**N1103.3.1 (R403.3.1) Insulation (Mandatory).** Supply and return ducts in unconditioned space and outdoors shall be insulated to a minimum R-8. Supply ducts inside *semi- conditioned space* shall be insulated to a minimum R-4; return ducts inside conditioned and *semi-conditioned space* are not required to be insulated. Ducts located inside conditioned space are not required to be insulated other than as may be necessary for preventing the formation of condensation on the exterior of cooling ducts.

Residential Spaces Insulation Rule per N.C. Session Law 2022-6 Section 20.10 (c) expires 3/17/24

Supply and return air ducts located in ventilated or non- ventilated unconditioned spaces, other than attics, shall be insulated to a minimum R-4.2. Supply and return air ducts located in ventilated or non-ventilated unconditioned attic spaces shall be insulated to a minimum R-6.0.