

RE2D-15-23, Option 5 :

- A. No modifications to latest definitions
- B. Clarify exceptions for ventilation system ducts and equipment, noting that, by nature, such systems are meant to bridge the gap between conditioned space and the outdoors.

**DUCT SYSTEM.** A system that consists of space conditioning equipment, ductwork, and includes any apparatus installed in connection therewith.

**DUCTWORK.** The assemblies of connected ducts, plenums, boots, fittings, dampers, supply registers, return grilles, and filter grilles through which air is supplied to or returned from the space to be heated, cooled, or ventilated. Supply ductwork delivers air to the spaces from the space conditioning equipment. Return ductwork conveys air from the spaces back to the space conditioning equipment. Ventilation ductwork conveys air to or from any space.

**SPACE CONDITIONING.** The treatment of air so as to control the temperature, humidity, filtration or distribution of the air to meet the requirements of a conditioned space.

**SPACE CONDITIONING EQUIPMENT.** The heat exchangers, air-handling units, filter boxes, and any apparatus installed in connection therewith used to provide space conditioning.

**CONDITIONED SPACE.** An area, room or space that is enclosed within the building thermal envelope and that is directly or indirectly heated or cooled. Spaces are indirectly heated or cooled where they communicate through openings with conditioned spaces, where they are separated from conditioned spaces by uninsulated walls, floors or ceilings, or where they contain uninsulated ducts, piping or other sources of heating or cooling.

Modify PCD2 as follows (same changes for IRC Chapter 11)

R403.3 Duct systems. , and R403.3.6

except for R403.3.6.1. Ventilation ductwork shall be installed in accordance with Section M1601.1 of the IRC or Section 601.1 of the IMC, as applicable.

2. Ventilation ductwork and dedicated ventilation equipment that are

3. The space conditioning equipment is located inside conditioned space, and no less than 80 percent of ductwork is located completely inside conditioned space as defined by Section R403.3.4(1) and R403.3.4(2). In addition, no more than 20 percent of ductwork is contained within building assemblies separating unconditioned from conditioned space as defined by Section R403.3.4(3).

Exception : Ventilation ductwork and dedicated ventilation equipment shall not be considered when determining compliance.

4. Where ductwork

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