

# GEW79-14

## 605.1.2.3

**Proponent:** Amanda Hickman, InterCode Incorporated, representing AMCA (Air Movement and Control Association (amanda@intercodeinc.com))

**Delete and substitute as follows:**

~~**605.1.2.3** Air curtains. Where a building entrance is required to be protected with a vestibule in accordance with the *International Energy Conservation Code*, an air curtain tested in accordance with ANSI/AMCA 220 is permitted to be used as an alternative to separate conditioned space from the exterior.~~

Where air curtains are provided at building entrances or building entrance vestibules, the curtain shall have a minimum velocity of 2 m/s at the floor, be tested in accordance with ANSI/AMCA 220 and installed in accordance with manufacturer's instructions. Manual or automatic controls shall be provided that will operate the air curtain with the opening and closing of the door. Air curtains and their controls shall comply with Section C408.2.3 of the *International Energy Conservation Code*.

**Reason:** In its current form, the language in the IgCC is redundant and not needed. A similar provision for air curtains as alternatives to vestibules was recently approved into the 2015 IECC.

However, if this section of the IgCC is deleted rather than revised to what is being proposed, there will be no requirements for air curtains when they are installed to supplement the thermal protection of vestibules. Providing both a vestibule and an air curtain at a building entrance is a common practice in high-performance buildings. This proposal requires that when an air curtain is installed in addition to a vestibule, it must be tested to the appropriate standard, installed properly, and function as intended.

**Cost Impact:** Will not increase the cost of construction.

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