

**INTERPRETATION IC 90.1-2007-28 OF
ANSI/ASHRAE/IESNA STANDARD 90.1-2007
Energy Standard for Buildings Except Low-Rise Residential Buildings**

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Request from: Luana Eid PIVA BERTOLETTI (luana.eid@sustentech.com.br), Sustentech, Rua Girassol, 730, ap. 101, São Paulo, SP 05433-001.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IESNA Standard 90.1-2007, Section G3.1.1 and Table G3.1.1A, regarding the baseline system type and description.

Background: According to Section G3.1.1, “the HVAC system in the *baseline building design* shall be based on usage, number of floors, conditioned floor area, and heating source as specified in Table G3.1.1A...”.

Interpretation: According to our interpretation, a floor counts as a floor, does not matter if it is conditioned or not, since the term conditioned refers only to the area. The number of floors, in order to define the HVAC baseline system, should include floors that are fully unconditioned.

Question: Is this interpretation correct?

Answer: No

Comments: The first sentence from your interpretation is correct, “a floor counts as a floor, does not matter if it is conditioned or not”. However, the second statement is not the correct interpretation of the standard. Since, the number of floors is only one criterion in the determination of the baseline HVAC system(s), the other criteria (such as conditioned floor area and the exceptions in Section G3.1.1) must also be considered when determining the appropriate baseline HVAC system. The committee is working on clarifying this language with Addendum R to 90.1-2013.