| v3 - LEED India 2011

Thermal comfort - design

EQc7 | Possible 1 point

Glossary

Intent

To provide a comfortable thermal environment that promotes occupant productivity and well-being.

Requirements

Design heating, ventilating and air conditioning (HVAC) systems and the building envelope to meet the requirements of ASHRAE Standard 55-2004, Thermal Comfort Conditions for Human Occupancy (with errata but without addenda[32]). Demonstrate design compliance in accordance with the Section 6.1.1 documentation.

OR

Demonstrate performance by using a local standard that has equivalent requirements to ASHRAE Standard 55–2004 by setting appropriate benchmarks and metrics for establishing a baseline, and measure performance relative to that baseline. The following guidelines outline the methodology for establishing acceptable benchmarks and metrics pertaining to this credit's requirements:

- Address any adjustments to thermal comfort parameters described by ASHRAE 55–2004.
- Demonstrate design compliance in accordance with the documentation described in ASHRAE Standard 55–2004, Section 6.1.1.

The core and shell base building mechanical system must allow for the tenant build-out to meet the requirements of this credit. Project teams that design their project for mechanical ventilation that do not purchase or install the mechanical system are not eligible achieve this credit.

See Appendix 1 — Default Occupancy Counts for occupancy count requirements and guidance.

[32] Project teams wishing to use ASHRAE approved addenda for the purposes of this credit may do so at their discretion. Addenda must be applied consistently across all ED credits.

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