



EQ Prerequisite 1 – Minimum Indoor Air Quality Performance

Review Comment Responses

1. Floorplans have been uploaded indicating which spaces are naturally ventilated and which spaces are mechanically ventilated.
2. For multi- and single – zone systems, an Ez value of 0.8 has been used to reflect worst case conditions during heating mode. Also, all systems are constant volume systems, therefore heating cfm values are the same as cooling cfm values.
3. For multi- and single – zone systems, an Ez value of 0.8 has been used to reflect worst case conditions during heating mode.
4. The template has been updated and the calculation has been provided indicated which zone is the “critical zone” for each multi-zone system.
5. None of the operable doors used for natural ventilation are main entry or exit doors to the building. Visitors are generally expected to enter and exit through the main lobby door. Furthermore, we cannot find this requirement in ASHRAE Standards 62.1-2007, Section 5.1 (or anywhere else in the standard). The closest requirement is the following: “The means to open required operable openings shall be readily accessible to building occupants whenever the space is occupied.” This is the case for this building as the referenced doors are to remain unlocked and accessible during all occupied hours.
6. Arch elevations have been uploaded to specify operable window sizes.

Clarifications

Regarding zone 242 in Table IEQp1-A5, NAT VENT L2, this space falls under ASHRAE Standards 62.1-2007, Section 5.1.1. “Where interior spaces without direct openings to the outdoors are ventilated through adjoining rooms, the opening between rooms shall be permanently unobstructed and have a free area of not less than 8% of the area of the interior room nor less than 25 ft².” The table values represent the following:

Floor Area is 242 Corridor floor area

Window Area is the free area of the opening between rooms.

Ratio is the ratio of the opening free area to the referenced area square footage.