

**INTERPRETATION IC 62.1-2004-17 OF
ANSI/ASHRAE STANDARD 62.1-2004
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY**

Approved: January 24, 2009

Request from: Avery Ray Colter (avery@fard.com), Fard Engineers, 309 Lennon Lane, Suite 200, Walnut Creek, CA 94598-2445.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 62.1-2004, Section 5.1.1, and Appendix E, Table E-2, regarding the location of operable windows for natural ventilation.

Background: Section 5.1.1 of Standard 62.1 requires that “Naturally ventilated spaces shall be permanently open to and within 25 ft. of operable wall or roof openings to the outdoors, the operable area of which is a minimum of 4% of the net occupiable floor area.”

Table E-2 requires that kitchens have an installed mechanical exhaust capacity and allows the air exhausted from kitchens to utilize air supplied through adjacent living areas to compensate for the air exhausted. The outdoor air supplied must meet the requirements of Section 5.8 of 62.1-2004 and meet the 50 cfm intermittent or 20 cfm continuous or operable windows requirement of Table E-2.

Cases have come to our work of residential living spaces which as a whole do not qualify as naturally ventilated because there are areas which are more than 25 ft. from an operable opening, but in which the kitchen is within such distance. See attached description. It has been contended that in such a case, the kitchen must be mechanically exhausted.

Interpretation: We wish to contend that the "openable windows" mentioned with regard to kitchens are independent, that a space can be such that though the total space requires mechanical supply due to portions being more than 25' away from operable openings, that the kitchen is exempt from exhaust requirements if openings with 4% of the kitchen's floor area are less than 25' from the kitchen.

Question: Is this Interpretation correct?

Answer: No.

Comments: The *openable* window referred to in Table E-2 must be located in the kitchen itself.

