403.3.2.1 Outdoor air for dwelling units. P

An outdoor air ventilation system consisting of a mechanical exhaust system, supply system or combination installed for each *dwelling unit*. Local exhaust or supply systems, including outdoor air ducts connected to the retu handler, are permitted to serve as such a system. The outdoor air ventilation system shall be designed to provide of outdoor air continuously during the period that the building is occupied. The minimum continuous outdoor airf determined in accordance with Equation 4-9.

$$Q_{OA} = 0.01A_{floor} + 7.5(N_{br} + 1)$$

where:

Q_{OA} = outdoor airflow rate, cfm

A_{floor} = floor area, ft^2

N_{br} = number of bedrooms; not to be less than one

Exceptions:

1. The outdoor air ventilation system is not required to operate continuously where the system has con operation for not less than 1 hour of each 4-hour period. The average outdoor airflow rate over th shall be not less than that prescribed by Equation 4-9.
2. The minimum mechanical ventilation rate determined in accordance with Equation 4-9 shall be percent provided that both of the following conditions apply:
   2.1. A ducted system supplies ventilation air directly to each bedroom and to one or more of the followi
      2.1.1. Living room.
      2.1.2. Dining room.
      2.1.3. Kitchen.
   2.2. The whole-house ventilation system is a *balanced ventilation* system.

thereof shall be
urn side of an air
the required rate
low rate shall be

(Equation 4-9)

trols that enable
he 4-hour period

reduced by 3

ng rooms: