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Table 120 1-A Minimum Ventilation Rates for Hotel Guestrooms - 30 CFM per Guest room

The 2016 and older versions of CEC includes the minimum ventilation rate of 30 CFM per guest room for a hotel with less than 500 sq. ft. area.

The 2019 version of CEC removed this criteria which significantly affect the cost of building a hotel structure and increase energy consumption. The 2019 version uses 0.15 CFM per sq. ft. ventilation rate. Assuming a 500 sq. ft. hotel guest room, with this criteria the ventilation rate is 75 CFM per guest room compare to 30 CFM per guestroom. This doubled the ventilation rate requirement for each guest room. Assuming a hotel structure with 180 guest rooms, an additional of 8,100 CFM is required to meet the ventilation requirement. This means that the DOAS unit needs to be bigger and would mean more energy consumption. In addition, the floor to floor height of the building structure has to be increased in order to accommodate the larger CFM from DOAS unit.