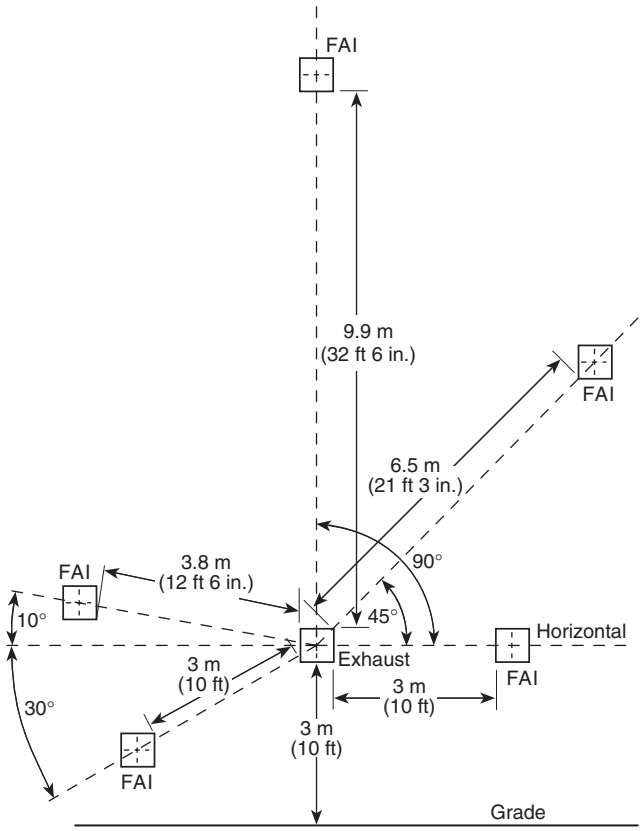
(3) A wall termination in a secured area shall be permitted to be at a lower height above grade if acceptable to the authority having jurisdiction.
(4) The exhaust flow directed perpendicularly outward from the wall face or upward.
(5) All the ductwork pitched to drain the grease back into the hood(s), or with a drain provided to bring the grease back into a container within the building or into a remote grease trap.
(6) A listed grease duct complying with Section 7.4, or other ducts complying with Section 7.5.
(7) An approved fan, provided it meets the requirements of 7.8.3(5) and 8.1.1 or 8.1.3.



Notes: 1. Fresh air intake (FAI) applies to any air intake, including an operable door or window.

2. Example:
FAI is same plane as exhaust or lower: 3 m [10 ft (min)] between closest edges.
FAI above plane of exhaust: 3 m + .076 m (10 ft + 0.25 ft) per degree between closest edge

FIGURE 7.8.3 Exhaust termination distance from fresh air intake (FAI) or operable door or window.

7.8.4* Roof Top Terminations Through Combustible or Limited-Combustible Walls.

7.8.4.1 Ductwork that exits a building through a combustible or limited-combustible wall to terminate above the roof line shall have wall protection provided in accordance with Section 4.2.

7.8.4.2 Where the ductwork exits the building the opening shall be sealed and shall include a weather-protected vented opening.

7.8.4.3 Where the ductwork exits through a rated wall the penetration shall be protected in accordance with 4.4.1.

Chapter 8 Air Movement

8.1 Exhaust Fans for Commercial Cooking Equipment.

8.1.1* Upblast Exhaust Fans.

8.1.1.1 Approved upblast fans with motors surrounded by the airstream shall be hinged, supplied with flexible weatherproof electrical cable and service hold-open retainers, and listed for this use.

8.1.1.2 Installation shall conform to the requirements of Section 7.8.

8.1.2* In-Line Exhaust Fans.

8.1.2.1 In-line fans shall be of the type with the motor located outside the airstream and with belts and pulleys protected from the airstream by a greasetight housing.

8.1.2.2 In-line fans shall be connected to the exhaust duct by flanges securely bolted as shown in Figure 8.1.2.2(a) through Figure 8.1.2.2(d) or by a system specifically listed for such use.

8.1.2.3 Flexible connectors shall not be used.

8.1.2.4 If the design or positioning of the fan allows grease to be trapped, a drain directed to a readily accessible and visible grease receptacle, not exceeding 3.8 L (1 gal), shall be provided.

8.1.2.5 In-line exhaust fans shall be located in easily accessible areas of adequate size to allow for service or removal.

8.1.2.6 Where the duct system connected to the fan is in an enclosure, the space or room in which the exhaust fan is located shall have the same fire resistance rating as the enclosure.

8.1.3* Utility Set Exhaust Fans.

8.1.3.1 Utility set exhaust fans, if installed at the rooftop termination point, shall meet the requirements of 7.8.2.1(1) through 7.8.2.1(3) and 7.8.2.2.

8.1.3.2 Fans installed within the building shall be located in an accessible area of adequate size to allow for service or removal.

8.1.3.3 Where the duct system connected to the fan is in an enclosure, the space or room in which the exhaust fan is located shall have the same fire resistance rating as the enclosure.

8.1.3.4 The fan shall be connected to the exhaust duct by flanges securely bolted as shown in Figure 8.1.2.2(a) through Figure 8.1.2.2(d) or by a system specifically listed for such use.

8.1.3.5 Flexible connectors shall not be used.

8.1.3.6 Exhaust fans shall have a drain directed to a readily accessible and visible grease receptacle not to exceed 3.8 L (1 gal).