Environmental Tobacco Smoke (ETS) control

EQp2 | Required

Intent

Prevent or minimize exposure of building occupants, indoor surfaces and systems to Environmental Tobacco Smoke (ETS).

Requirements

Option A. Prohibit smoking in the building.

- Prohibit smoking in the building.
- Locate any exterior designated smoking areas at least 25 feet away from building entries, outdoor air intakes and operable windows.

Option B. Establish negative pressure in the rooms with smoking.

- Prohibit smoking in the building except in designated smoking areas.
- Locate any exterior designated smoking areas at least 25 feet away from building entries, outdoor air intakes and operable windows.
- Provide one or more designated smoking rooms designed to effectively contain, capture and remove ETS from the building. At a minimum, the smoking room must be directly exhausted to the outdoors, away from air intakes and building entry paths, with no re-circulation of ETS-containing air to the nonsmoking area of the building and enclosed with impermeable deck-to-deck partitions and operated at a negative pressure compared with the surrounding spaces of at least an average of 5 Pa (0.02 inches water gauge) and with a minimum of 1 Pa (0.004 inches water gauge) when the door(s) to the smoking room are closed.
- Verify performance of the smoking room differential air pressures by conducting 15 minutes of measurement, with a minimum of one measurement every 10 seconds, of the differential pressure in the smoking room with respect to each adjacent area and in each adjacent vertical chase with the doors to the smoking room closed. The testing will be conducted with each space configured for worst case conditions of transport of air from the smoking rooms to adjacent spaces.

Option C. Reduce air leakage between rooms with smoking and non-smoking areas in residential buildings.

Note that Option C is for residential buildings only.

- Prohibit smoking in all common areas of the building.
- Locate any exterior designated smoking areas at least 25 feet away from building entries, outdoor air intakes and operable windows opening to common areas.
- Minimize uncontrolled pathways for ETS transfer between individual residential units by sealing penetrations in walls, ceilings and floors in the residential units, and by sealing vertical chases adjacent to the units. In addition, all doors in the residential units leading to common hallways shall be weatherstripped to minimize air leakage into the hallway. Acceptable sealing of residential units shall be demonstrated by a blower door test conducted in accordance with ASTM-779-03, Standard Test Method for Determining Air Leakage Rate By Fan Pressurization, AND use of the progressive sampling methodology defined in Chapter 7 (Home Energy Rating Systems (HERS) Required Verification And Diagnostic Testing) of the California Residential Alternative Calculation Method Approval Manual. Residential units must demonstrate less than 1.25 square inches leakage area per 100 square feet of enclosure area (i.e. sum of all wall, ceiling and floor areas).