

LEED-NC EQ 2.2

This practice is a prerequisite for Indoor Environmental Air Quality P2 – Environmental Tobacco Smoke (ETS) Control.

EverGreen Building Solutions has the tools and experience to conduct the blower door tests for compliance with **Option 3** of this practice. The LEED requirement specifies using ANSI/ASTM-E779-03. This standard has been replaced with **ANSI/ASTME779-10**. EverGreen uses the upgraded version of the standard in its testing which is consistent with the software provided by The Energy Conservatory.

LEED-NC V2.2 EQ prerequisite 2 states the following for Option 3:

OPTION 3 (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 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.
- All doors in the residential units leading to common hallways shall be weather-stripped to minimize air leakage into the hallway.
- If the common hallways are pressurized with respect to the residential units then

doors in the residential units leading to the common hallways need not be weather-stripped provided that the positive differential pressure is demonstrated as in Option 2 above, considering the residential unit as the smoking room. Acceptable sealing of residential units shall be demonstrated by a blower door test conducted in accordance with ANSI/ASTM-E779-03, Standard Test Method for Determining Air Leakage Rate By Fan Pressurization, AND use the progressive sampling methodology defined in Chapter 4 (Compliance Through Quality Construction) of the Residential Manual for Compliance with California's 2001 Energy Efficiency Standards (www.energy.ca.gov/title24/residential_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).