

facility containing five or more printers, copy machines, scanners, facsimile machines, 3D printers, or similar machines in any combination, and rooms used primarily as janitorial rooms or closets where the use or storage of chemicals occurs, shall comply with all of the following:

1. The enclosing walls shall extend from the floor surface to the underside of the floor, roof deck or solid ceiling above and shall be constructed to resist the passage of airborne chemical pollutants and shall be constructed and sealed as required for 1-hour fire-resistance-rated construction assemblies. Alternatively, for janitorial rooms and closets, all chemicals shall be stored in *approved* chemical safety storage cabinets.
2. Doors in the enclosing walls shall be automatic or self-closing.
3. An HVAC system shall be provided that:
 - 3.1 Provides exhaust airflow to the outdoors at a rate of not less than 0.50 cfm per square foot (2.4 L/s/m²);
 - 3.2 Maintains a negative pressure of not less than 7 Pa (0.146 Psf) within the room; and
 - 3.3 Prohibits the recirculation of air from the room to other portions of the building.

803.5 Filters. Filters for air conditioning systems that serve occupied spaces and handle a component of outdoor air shall be rated at MERV 11 or higher, in accordance with ASHRAE Standard 52.2, and system equipment shall be designed to be compatible. The air handling system design shall account for pressure drop across the filter. Filter performance shall be shown on the filter manufacturer's data sheet.

SECTION 804 SPECIFIC INDOOR AIR QUALITY AND POLLUTANT CONTROL MEASURES

804.1 Fireplaces and appliances. Where located within buildings, fireplaces, solid fuel-burning appliances, vented decorative gas appliances, vented gas fireplace heaters and decorative gas appliances for installation in fireplaces shall comply with Sections 804.1.1 through 804.1.3. Unvented room heaters and unvented decorative appliances, including alcohol burning, shall be prohibited.

804.1.1 Venting and combustion air. Fireplaces and fuel-burning appliances shall be vented to the outdoors and shall be provided with combustion air provided from the outdoors in accordance with the *Mechanical Code* and the *Fuel Gas Code*. Solid-fuel-burning fireplaces shall be provided with a means to tightly close off the chimney flue and combustion air openings when the fireplace is not in use.

804.1.2 Wood-fired appliances. Wood stoves and wood-burning fireplace inserts shall be listed and, additionally, shall be labeled in accordance with the requirements of the EPA Standards of Performance for New Residential Wood Heaters, 40 CFR Part 60, subpart AAA.

804.1.3 Biomass appliances. Biomass fireplaces, stoves and inserts shall be listed and labeled in accordance with ASTM E1509 or UL 1482. Biomass furnaces shall be listed and labeled in accordance with CSA B366.1 or UL 391. Biomass boilers shall be listed and labeled in accordance with CSA B366.1 or UL 2523.

804.2 [Reserved]

SECTION 805 PROHIBITED MATERIALS

805.1 Scope. The use of the following materials shall be prohibited:

1. Asbestos-containing materials.
2. Urea-formaldehyde foam insulation.

SECTION 806 MATERIAL EMISSIONS AND POLLUTANT CONTROL

806.1 Scope. To facilitate better indoor air quality for building occupants, projects shall comply either with Section 806.1.1 or with Sections 806.1.2 through 806.1.7.

If complying with Section 806.1 by meeting the requirements of Section 806.1.1, all testing results shall be submitted to the code official prior to the final inspection.

If complying with Section 806.1 by meeting the requirements of Sections 806.1.2 through 806.1.7, a log of all materials used covered by those sections, showing the allowable limits and the actual product concentrations utilized in the project, shall be submitted prior to the final inspection. For compliance using Sections 806.1.2 through 806.1.7, project teams shall maintain all spec sheets for relevant materials, and shall make them available to the code official upon request.

806.1.1 Post-construction, pre-occupancy baseline IAQ testing. After all interior finishes are installed, the building shall be tested for indoor air quality and the testing results shall indicate that the levels of VOCs meet the levels detailed in Table 806.1.1 using testing protocols in accordance with ASTM D5197, ASTM D5466, ASTM D6196, ASTM D6345, and ISO 7708. Test samples shall be taken in not less than one location in each 25,000 square feet (1860 m²) of floor area or in each contiguous floor area.