

1323.0420 SECTION 4.2, COMPLIANCE.

Subpart 1. **ASHRAE 90.1 section 4.2.1.3 Alterations of existing buildings.** ASHRAE 90.1 section 4.2.1.3 is amended to read as follows:

4.2.1.3 Alterations of existing buildings. Alterations of an existing building, building system, or portion thereof shall conform to this standard as related to new construction without requiring the unaltered portion(s) of the existing building or building system to comply with this standard. Alterations shall not create an unsafe or hazardous condition or overload existing building systems. Alterations of existing buildings shall comply with the provisions of Sections 4.2.2 through 4.2.5 and one of the following:

- a. Section 5, "Building Envelope"; Section 6, "Heating, Ventilating, and Air Conditioning"; Section 7, "Service Water Heating"; Section 8, "Power"; Section 9, "Lighting"; and Section 10, "Other Equipment";
- b. Section 11, "Energy Cost Budget Method"; or
- c. Normative Appendix G, "Performance Rating Method" in accordance with Section 4.2.1.1.

Exception to Section 4.2.1.3: A historical building shall comply with this standard to the greatest extent possible without requiring alteration of elements or features determined to be historic by the historic authority having jurisdiction. Exempted components, elements, or systems shall be specifically identified on the construction documents by the designer as historic and exempt.

Subp. 2. **ASHRAE 90.1 section 4.2.1.4 Change of occupancy or use.** ASHRAE 90.1 section 4.2.1.4 is added to read as follows:

4.2.1.4 Change of occupancy or use. All spaces undergoing a change in occupancy shall comply with lighting requirements of section 9 as for new construction. Spaces undergoing a change in occupancy that result in an increase in demand for either fossil fuel or electrical energy shall comply with this standard.

Exceptions to Section 4.2.1.4:

1. A historical building shall comply with this standard to the greatest extent possible without requiring alteration of elements or features determined to be historic by the historic authority having jurisdiction. Exempted components, elements, or systems shall be specifically identified by the designer as historic and exempt.
2. Change of occupancy requirements associated with a tenant space within a multi-tenant building shall not be required to modify equipment common to multiple tenants or building envelope located beyond the tenant space.

Subp. 3. **ASHRAE 90.1 section 4.2.5.1.1 Information on building permit application.** ASHRAE 90.1 section 4.2.5.1.1 is amended to read as follows:

4.2.5.1.1 Information on construction documents. The following information shall be included on the construction documents as part of the building permit application:

- a. for systems that are required to comply with Section 4.2.5.1, the construction documents shall identify verification and testing providers;
- b. verification and testing providers shall review the construction documents to verify that the relevant sensor locations, devices, and control sequences are properly specified; performance and testing criteria are included; and equipment to be tested is accessible for testing and maintenance;
- c. functional performance testing and verification processes and system performance requirements shall be incorporated into the construction documents;
- d. energy code compliance path (Prescriptive, Energy Cost Budget Method, Normative Appendix G);
- e. insulation materials and their R-values;
- f. fenestration U-factors and SHGCs;
- g. area-weighted U-factor and SHGC calculations;
- h. mechanical system design criteria;
- i. mechanical and service water heating system and equipment types, sizes, and efficiencies;
- j. economizer description; equipment and systems controls;
- k. fan motor brake horsepower for fan motors one horsepower (hp) or larger;
- l. fan motor horsepower and controls;
- m. duct sealing, duct sizing, duct and pipe insulation and location, terminal air or water design flow rates;
- n. electrical distribution diagram(s);
- o. lighting fixture schedule with wattage and control narrative;
- p. locations of daylight zones on plans and provisions for functional testing of lighting controls;
- q. air sealing details clearly delineating the air barrier location and showing continuity between roof, wall, foundation, around frames and sleeves, and at other similar openings; and
- r. additional details as required by the building official to determine whether the work proposed will conform to this standard.

Statutory Authority: *MS s 326B.02; 326B.101; 326B.106*

History: *47 SR 983*

Published Electronically: *December 7, 2023*