

1323.0513 SECTION 5.1.3, ENVELOPE ALTERATIONS.

ASHRAE Standard 90.1, Section 5.1.3, is amended to read:

5.1.3 Envelope alterations. Alterations to the building envelope shall comply with the requirements of Section 5 for insulation, air leakage, and fenestration applicable to those specific portions of the building being altered. When the wall cavity of the building envelope is exposed due to the removal of the interior wall finish materials, the wall cavity shall be insulated to full depth, or to a depth that provides insulating values as required for new wall construction.

Exceptions:

1. The following alterations need not comply with the requirements of Section 5 for insulation, air leakage, and fenestration, provided such alterations will not increase the energy usage of the building:

- (a) Installation of storm windows over existing glazing.
 - (b) Replacement of glazing in existing sash and frame provided the U-factor and SHGC will be equal to or lower than before the glass replacement.
 - (c) Alterations to roof/ceiling, wall, or floor cavities, which are insulated to full depth with insulations having a nominal value of not less than R-3.0/in.
 - (d) Alterations to walls and floor, where the existing structure is without framing cavities and no new framing cavities are created.
 - (e) Removal of less than 50 percent of a roof membrane or built-up roof covering, or the existing roof insulation is at least R-16 for buildings that are conditioned, or the existing roof insulation is at least R-10 for buildings that are semiconditioned.
 - (f) Replacement of existing doors that separate conditioned space from the exterior shall not require the installation of a vestibule or revolving door, provided, however, that an existing vestibule that separates a conditioned space from the exterior shall not be removed.
 - (g) Replacement of existing fenestration, provided, however, that the area of the replacement fenestration does not exceed 25 percent of the total fenestration area of an existing building and that the U-factor and SHGC will be equal to or lower than before the fenestration replacement.
 - (h) Walls that are back-plastered, walls that are more than 50 percent filled with insulation, walls without framing cavities.
 - (i) Small openings for purposes including installing, altering, or repairing plumbing, electrical, and mechanical systems, control, and expansion joints.
2. A vapor retarder is not required if the interior finish is not removed.

Statutory Authority: *MS s 326B.02; 326B.101; 326B.106; 326B.13*

History: *33 SR 1473*

Published Electronically: *June 17, 2009*