

# RECPI-3-21 Existing Building envelope (591)

IECC@: R502.3.1, R503.1.1

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## 2021 International Energy Conservation Code

**Revise as follows:**

**R502.3.1 Building envelope.** New *building* envelope assemblies that are part of the *addition* shall comply with Sections R402.1, R402.2, R402.3.1 through R402.3.5, and R402.4.

**Exception:** ~~New envelope assemblies are exempt from the requirements of Section R402.4.1.2.~~

**R503.1.1 Building envelope.** ~~Building envelope assemblies that are part of the *alteration* shall comply with Section R402.1.2 or R402.1.4, Sections R402.2.1 through R402.2.12, R402.3.1, R402.3.2, R402.4.3 and R402.4.5.~~ New *building* envelope assemblies that are part of the *addition* shall comply with Sections R402.1, R402.2, R402.3.1 through R402.3.5, and R402.4.

**Exception:** The following alterations shall not be required to comply with the requirements for new construction provided that the energy use of the building is not increased:

1. Storm windows installed over existing fenestration.
2. Existing ceiling, wall or floor cavities exposed during construction provided that these cavities are filled with insulation.
3. Construction where the existing roof, wall or floor cavity is not exposed.
4. Roof recover.
5. Roofs without insulation in the cavity and where the sheathing or insulation is exposed during reroofing shall be insulated either above or below the sheathing.
6. Surface-applied window film installed on existing single pane fenestration assemblies to reduce solar heat gain provided that the code does not require the glazing or fenestration assembly to be replaced.

**Reason:** To improve occupant health and safety, improve energy efficiency, and decrease greenhouse gas emissions

**Bibliography:** Based on professional knowledge and experience, feedback from other professionals, established research, and established local and national construction quality frameworks

**Cost Impact:** The code change proposal will neither increase nor decrease the cost of construction.  
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This code change proposal is understood to neither increase nor decrease the cost of construction.