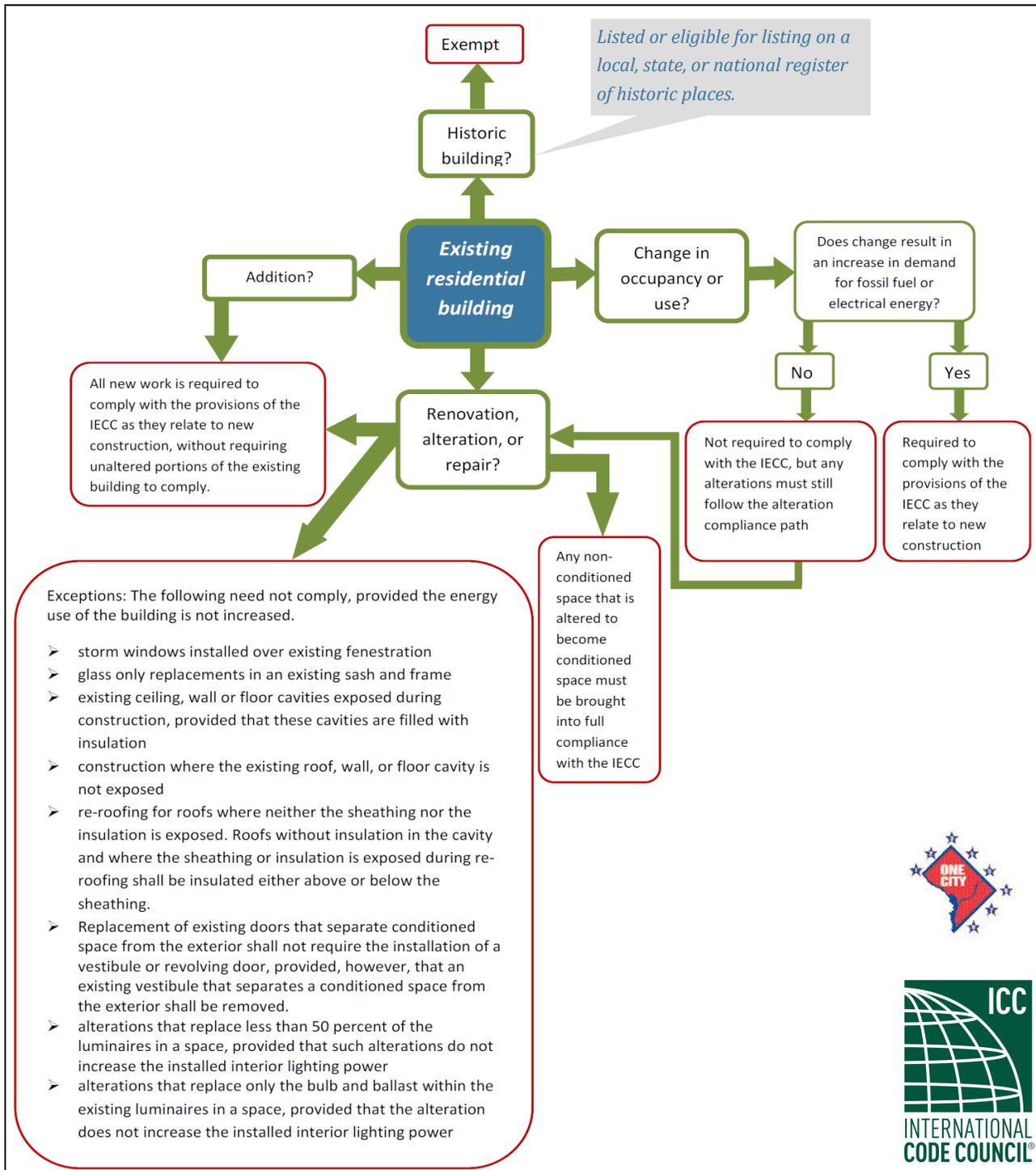
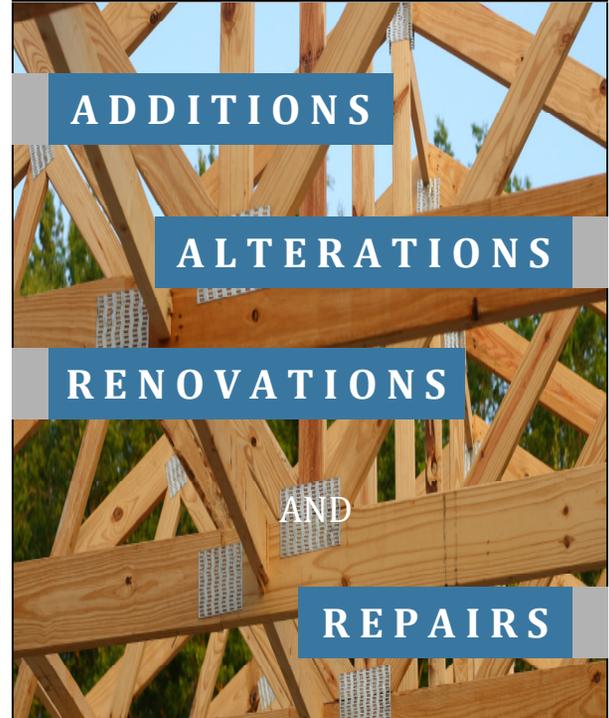


DOES MY PROJECT HAVE TO COMPLY?



The District of Columbia Energy Conservation Code as applied to:



RESIDENTIAL Insulation and Air Leakage



DEPARTMENT OF CONSUMER & REGULATORY AFFAIRS

Phone: 202-442-4400
Web: www.dkra.dc.gov

Definitions

Alteration is any construction or renovation to an existing structure, other than repair or addition, that requires a permit. Also a change in a mechanical system that involves an extension, addition, or change to the arrangement, type, or purpose of the original installation and that requires a permit.

Repair is the reconstruction or renewal of any part of an existing building.

Addition is the extension or increase in the conditioned space, floor area, or height of a building or structure.

Conditioned Space is an area or space within a building being heated or cooled, containing uninsulated ducts, or with a fixed opening directly into an adjacent conditioned space.

Residential Building in the IECC includes single- and multifamily buildings (R-2, R-3 and R-4) three stories or less in height above grade.

Building Thermal Envelope is the basement walls, exterior walls, floor, roof, and any other building elements that enclose conditioned space. This boundary also includes the boundary between conditioned space and any exempt or unconditioned space.

Requirements

Note: This brochure only addresses the insulation and air leakage requirements of the IECC.¹



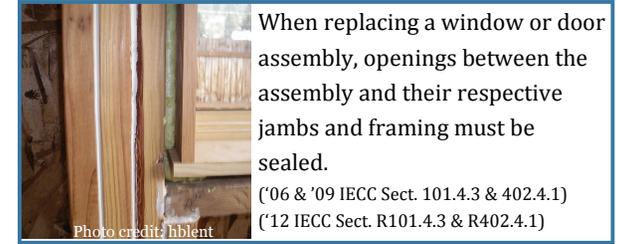
Any attic or other non-conditioned space that is altered to become conditioned space shall be brought into full compliance with the IECC. For insulation and air leakage the following sections apply:

'06 & '09 IECC: 101.4.3, 402.1, 402.2 & 402.4
'12 IECC: R101.4.3, R402.1, R402.2 & R402.4



If a cavity within the building thermal envelope is exposed and contains no insulation, or the insulation does not completely fill the cavity, the exposed cavity is required to be "filled" with insulation. Where the exposed cavity contains no insulation, the cavity must also be air sealed. Roofs without insulation in the cavity and where the sheathing or insulation is exposed during re-roofing shall be insulated either above or below the sheathing.

('06 & '09 IECC Sect. 101.4.3 & 402.4.1)
('12 IECC Sect. R101.4.3 & R402.4.1)



When replacing a window or door assembly, openings between the assembly and their respective jambs and framing must be sealed.

('06 & '09 IECC Sect. 101.4.3 & 402.4.1)
('12 IECC Sect. R101.4.3 & R402.4.1)



All portions of an addition shall comply with the applicable insulation and air leakage provisions of the IECC without requiring unaltered portions of the existing home to comply.

Alterations Project Checklist

- "Fill" all exposed cavities in building thermal envelope with insulation
- Air seal around windows/doors
- Air seal penetrations, joints and seams in building thermal envelope where the cavity is exposed and uninsulated
- Insulate roof where there is no cavity insulation and the sheathing or insulation is exposed during re-roofing

¹IECC is the International Energy Conservation Code and is published by the International Code Council (ICC). For more information about the IECC or to purchase a copy, visit www.iccsafe.org.

*This brochure is NOT an ICC publication, but has been reviewed by ICC technical staff for accuracy. Specific code requirements and the interpretation thereof are the sole authority of DCRA.

Specific questions regarding your project should be directed to your local code official. Questions about this brochure can be directed to Ryan Meres: ryan@imt.org