



# RESIDENTIAL

## SIMPLIFIED PRESCRIPTIVE BUILDING ENVELOPE REQUIREMENTS

2015 International Residential Code

**Climate Zone:** 5A

**Maximum Glazing *U*-factor:** 0.32

**Minimum Ceiling\* *R*-Value:** R-49

**\*Ceilings without attic spaces:** Where the design of the roof/ceiling assembly does not allow sufficient space for R-49 the minimum required insulation for such roof/ceiling assemblies shall be R-30. This reduction of insulation shall be limited to 500 square feet of ceiling area, or 20% of the total insulated ceiling value, whichever is less.

**Minimum Wall *R*-Value:** R-20 or R-13 cavity plus R-5 insulated sheathing

For floors one of the following four requirements must be met:

**Floor- Minimum *R*-Value:** R-30

**Basement Wall - Minimum *R*-Value:** R-15 continuous or R19 cavity

**Slab perimeter -Minimum *R*-Value and depth:** R-10 or R-15 at heated slab edge

**Crawl space wall - Minimum *R*-Value:** R-15 continuous or R-19 cavity

