



**“RESIDENTIAL PLAN CORRECTION LIST”
 SECTION R316 – INSULATION
 ADDENDUM**

On August 26, 2010 the City of Helena began enforcing the 2009 International Energy Conservation Code (IECC).

The following information replaces Section R316 as listed in the August 2009 version of the “Residential Plan Correction List”

Refer to the 2009 International Energy Conservation Code – Chapter 4, for Zone 6 - Residential Requirements and as amended by State of Montana Administrative Rules, 24.301.161 for complete code text and footnotes applicable to this table.

Component	Insulation or Efficiency Level
Ceiling	R-49 (R-38 is allowed if full depth is achieved in entire ceiling including over exterior wall plates)
Exterior wall	R-21 or R13 cavity+ R5 continuous insulation (see code text for steel framing)
Mass wall	R19/15 (R19 applies when more than half the insulation is on the interior of the mass wall)
Floor	R-30 over non-conditioned space (floor insulation must be in contact with underside of sheathing)
Basement wall	R-19 cavity or R15 continuous insulation (applies whether or not space is finished)
Crawlspace wall	R-19 batt or R10 continuous foam (Conditioned crawlspace - Insulation to cover entire foundation wall)
Slab on grade	R-10 or R-15 for in-floor heated slab – Insulation shall be placed from top of slab downward on interior or exterior for 4' by any combination of vertical or horizontal.
Window -U factor	U-0.33, up to 15 s.f. of glazing is exempt for U-value requirement
Replacement Windows - U-factor	U-0.33, up to 15 s.f. of glazing is exempt for U-value requirement
Skylights - U-factor	U-0.6.

_____ Identify on the building section, the location and type of insulation to be installed, including, but not limited to, walls, floors, ceiling and crawlspace.

- Insulation levels for different components of the building shall comply with 2009 International Energy Conservation Code. For a limited summary of component requirements, see “Residential Buildings Energy Code Summary 2010” published by Montana Department of Environmental Quality at http://deq.mt.gov/Energy/pdf/EnergyNotes_RESID_10_Apr%202010.pdf. Or, provide ResCheck compliance documentation form specific to this project.
- Exposed insulation materials, including facing materials, installed in a floor-ceiling, roof-ceiling, crawl space, attic or wall assembly is to have a maximum flame-spread rating of 25 and smoke developed rating of 450.
- Contractor shall fill out and affix “Energy Efficiency Components” labeling sticker as required by State of Montana – 50-60-803, MCA - See attached.