Fremont
Building Official
Code Enforcement

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RESIDENTIAL INSULATION CERTIFICATION

For all new construction in Fremont involving living space; a Certification of Compliance to the New Hampshire Residential Energy Code is required. This certification can be obtained by contacting the Public Utilities Commission (PUC) in Concord, NH. This certification is required at the time of insulation inspection and before proceeding with additional work – sheetrock or wall coverage.

Each owner/contractor must complete an application for compliance with the NH Energy Code and submit to PUC. The application involves providing pertinent information of the building project such as total floor areas, heating system type and efficiency rating, window type and U-value, and door areas. A calculation of the rough openings for all windows in square feet is needed to provide for the percentage of glazing (glass) in the structure.

There are a number of methods available to show compliance. A performance based calculation, of gross wall area and glazing percentage, directs the applicant to a set of charts that specifies the insulation "R" value required for ceiling, walls, and floors – as well as for basement wall and slab if that is the planned insulating envelope. A software tool, Rescheck, is also available. A NH architect or engineer may also complete the application. In all cases a returned and certificated copy, stamped by the PUC is required to be submitted to the building official.

Contact Info for Public Utilities	**www.puc.nh.gov**
preferred method of contact mail or fax or call for appointment – provide your email on the application for quicker response Wes Golomb 603-271-6306	Public Utilities Commission 21 South Fruit Street Suite 10 Concord, New Hampshire 03301-2429

Consider the following when insulating:

- inspection of the insulation is required prior to proceeding with wall covering
- U-factor stickers on new windows should remain in place for inspection
- insure that thermal resistance value (R-value) is indicated on installed insulation for verification during inspection.
- blown-in attic areas need markers (in 1-inch high increments) attached to the rafters indicating the installed and settled thickness
- insure that the minimum R-value requirements of the certification is met
- make available the Rescheck checklist for your particular building project at the time of inspection
- check for fit of cutouts and placing of insulating bats around electrical boxes, etc.
- insulate behind tub and shower areas before installing the tub enclosures – these may be hard to get at later
- insulate behind any inaccessible structural framing coverings before securing/nailing
- insulate the space between a "spaced or open header" before closing off all access
- if basement walls are counted as conditioned space – they must be insulated – these should be inspected before backfill
- for all slab on ground areas both vertical and horizontal insulating is required
- crawl space areas are treated like basement areas – either the outside walls need to insulated or the ceiling/floor separating the crawl space from living space requires insulation
- floors must meet the R-value for floors in the certification unless exposed directly to outside air and then floors must meet the R-value for ceilings in the certification
- any framing, exterior siding material, or the like is not considered as contributing to the insulation values required

This information was compiled for specific purposes as an advisory check sheet and its use and interpretation otherwise is not intended - Thomas Roy – Building Official/Code Enforcement