



# REScheck Software Version 4.1.0 Inspection Checklist

Date: 06/28/07

## Ceilings:

- Ceiling 1: Flat Ceiling or Scissor Truss, R-30.0 cavity insulation

Comments: \_\_\_\_\_

## Above-Grade Walls:

- Wall 1: Wood Frame, 16" o.c., R-13.0 cavity insulation

Comments: \_\_\_\_\_

## Windows:

- Window 1: Vinyl Frame:Double Pane, U-factor: 0.300

For windows without labeled U-factors, describe features:

#Panes \_\_\_\_ Frame Type \_\_\_\_\_ Thermal Break? \_\_\_\_ Yes \_\_\_\_ No

Comments: \_\_\_\_\_

Note: Up to 15 sq.ft. of glazed fenestration per dwelling is exempt from U-factor and SHGC requirements.

## Doors:

- Door 1: Solid, U-factor: 0.600

Comments: \_\_\_\_\_

This door is exempt from the U-factor requirement.

## Floors:

- Floor 1: All-Wood Joist/Truss:Over Unconditioned Space, R-19.0 cavity insulation

Comments: \_\_\_\_\_

Floor insulation is installed in permanent contact with the underside of the subfloor decking.

## Air Leakage:

- Joints, penetrations, and all other such openings in the building envelope that are sources of air leakage are sealed.
- Recessed lights are either 1) Type IC rated with enclosures sealed/gasketed against leaks to the ceiling, or 2) Type IC rated and ASTM E283 labeled, or 3) installed inside an air-tight assembly with a 0.5" clearance from combustible materials and a 3" clearance from insulation.

## Materials Identification:

- Materials and equipment are identified so that compliance can be determined.
- Manufacturer manuals for all installed heating and cooling equipment and service water heating equipment have been provided.
- Insulation R-values and glazing U-factors are clearly marked on the building plans or specifications.
- Insulation is installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.

## Duct Insulation:

- Ducts in unconditioned spaces are insulated to R-8.
- Ducts in floor trusses are insulated to R-6.

## Duct Construction:

- Air handlers, filter boxes, and duct connections to flanges of air distribution system equipment or sheet metal fittings are sealed and mechanically fastened.
- All joints, seams, and connections are made substantially airtight with tapes, gasketing, mastics (adhesives) or other approved closure systems. Tapes and mastics are rated UL 181A or UL 181B.

- Building framing cavities are not used as supply ducts.
- Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.
- Additional requirements for tape sealing and metal duct crimping are included by an inspection for compliance with the International Mechanical Code.

**Temperature Controls:**

- Thermostats exist for each separate HVAC system. A manual or automatic means to partially restrict or shut off the heating and/or cooling input to each zone or floor is provided.

**Heating and Cooling Equipment Sizing:**

- Additional requirements for equipment sizing are included by an inspection for compliance with the International Mechanical Code.

**Circulating Hot Water Systems:**

- Circulating hot water pipes are insulated to R-2.
- Circulating hot water systems include an automatic or accessible manual switch to turn off the circulating pump when the system is not in use.

**Heating and Cooling Piping Insulation:**

- HVAC piping conveying fluids above 105 degrees F or chilled fluids below 55 degrees F are insulated to R-2.

**Certificate:**

- A permanent certificate is provided on or in the electrical distribution panel listing the predominant insulation R-values; window U-factors; type and efficiency of space-conditioning and water heating equipment.

**NOTES TO FIELD: (Building Department Use Only)**

---

---

---

---

---

---

---

---